TULAROSA BASIN AND SALT BASIN REGIONAL WATER PLAN 2000 - 2040

Volume 2 - Appendices

South Central Mountain RC&D Council, Inc.

May 2002

Prepared by

in association with





LIVINGSTON ASSOCIATES, P.C.

Consulting Engineers

JOHN SHOMAKER AND ASSOCIATES, INC.

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Public Participation Program

APPENDIX

2.1

TULAROSA/SACRAMENTO RIVER BASIN 40 YEAR REGIONAL WATER PLAN

Steering Committee Meeting

INFORMATION PACKET

November 9, 1995



Regional Water Planning and Water Resource Assessment

What is regional water planning? A process whereby local communities and interest groups with common hydrologic and political ties work together to (1) develop information about the quantity and quality of their water resource, and (2) agree on management strategies for meeting current and future demand within the region. Regional planning is an ongoing public process which builds trust between competing interests by dispelling traditional myths and encouraging collaboration in solving water and related land-use problems.

Why is regional planning important to New Mexico and its citizens? Regional planning begins with open dialogue at the community level, allowing citizens direct involvement in developing water management alternatives; the resulting programs and projects have the public support necessary for successful implementation. Such planning is imperative if New Mexico has any hope of protecting its remaining water resources from out-of-state appropriators.

HB-310 and SB-467 both allocate \$750,000 to the Interstate Stream Commission (ISC) for regional water planning. Grant funds are disbursed to regional entities such as Councils of Government or Resource Conservation & Development districts which begin local public processes for developing 40-year water plans. The regions also receive training and technical support so their evolving strategies will provide guidelines for the development of a state water plan.

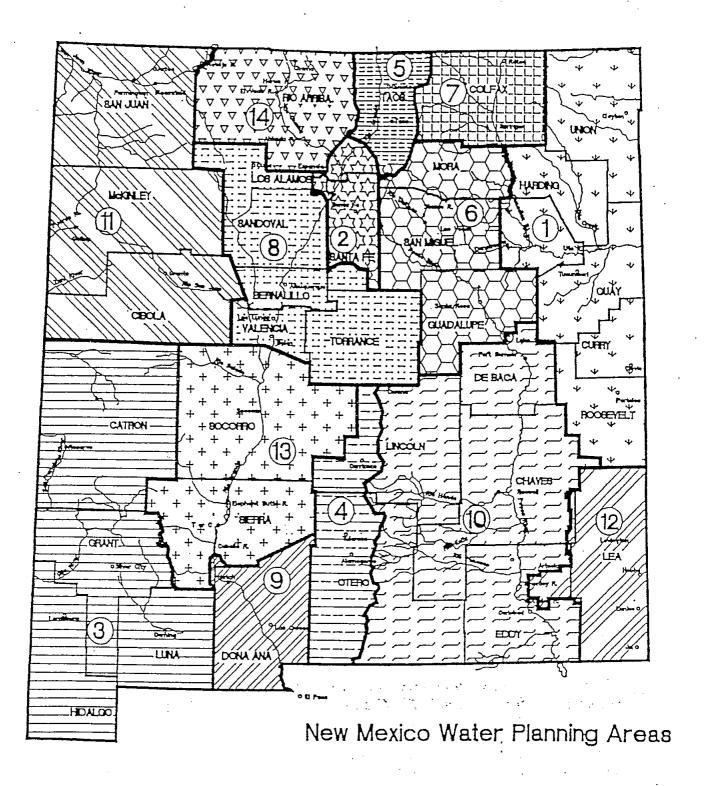
The ISC has received 13 planning proposals out of a potential 18 regions. It is anticipated that recurring annual appropriations over a five-year period and totaling \$4,000,000 will prepare every region in the state to make well-informed resource management decisions.

What is "water resource assessment for planning purposes"? A statewide inventory of surface and ground water resources on a regional basis. The level of detail varies, based on availability of data in a particular area, but an assessment for planning purposes relies primarily on compiling all existing data within a basin to provide the best analysis of a region's water supply without extensive and expensive investigation. It also provides an evaluation of water use within a region, and identifies additional data needs. This information is developed concurrently with regional planning, allowing local administrators to more wisely address issues like subdivision permits and landfill alternatives.

HB-386 and SB-468 appropriate \$700,000 and \$850,000 respectively for continuing the statewide water resource assessment. This level of appropriation recurring annually for three years will provide for a fundamental assessment of available surface and ground waters, supplying the data necessary for regional as well as state water planning purposes.

What is the difference between an assessment for planning purposes and the type of assessment proposed for the Middle Rio Grande? Assessments for planning purposes are performed with existing data to provide fundamental information to both planning regions and the State Engineer Office in a timely manner. The Middle Rio Grande investigation involves an intensified level of data collection for evaluating aquifer performance for a large population growth scenario, and will require \$10,000,000 in state matching funds and five years to complete. Time and funds are not available for this degree of investigation statewide. If performed, however, intensive studies such as the one proposed for the middle Rio Grande would serve to enhance knowledge of the resource, permitting further refinement of the regional plans that will be functioning as tools for water management decisions.

Is conservation a component of regional water planning? The Regional Water Planning Handbook, developed last year for the ISC by a citizen work group, requires that regions prepare a water conservation plan as a means of meeting current and future demands before more exotic or costly options are pursued. Copies of the handbook are available from the Interstate Stream Commission, (505) 827-6160.

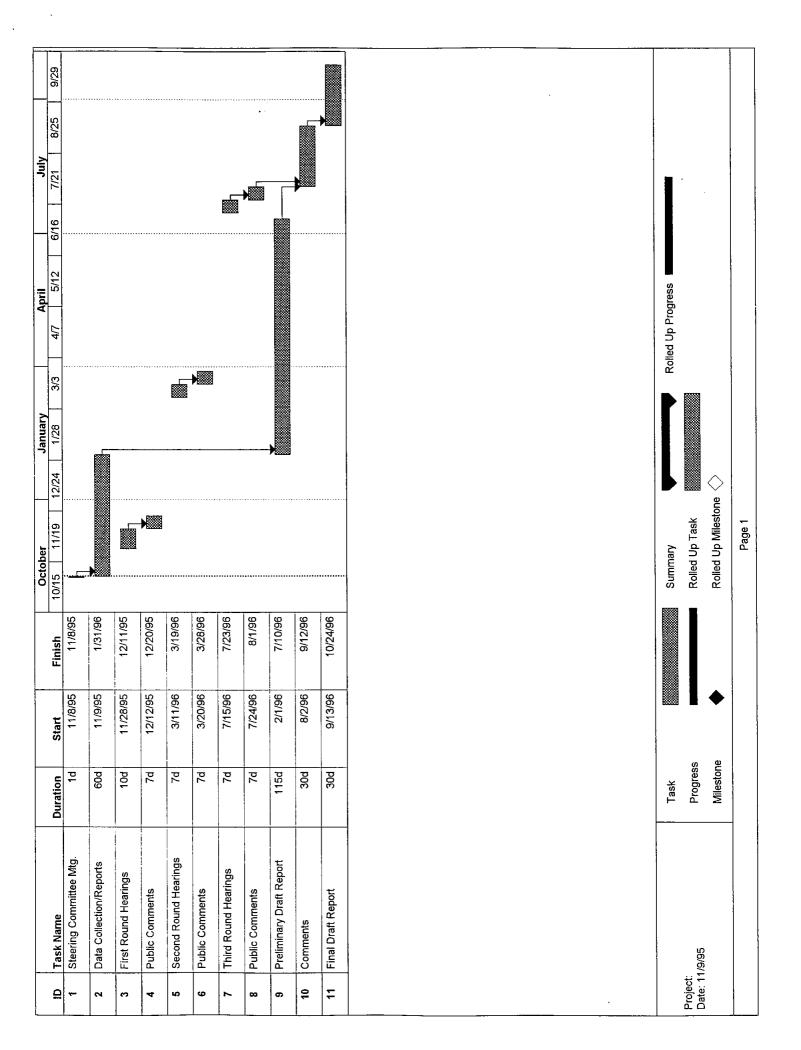


Proposed Regional Water Planning Boundaries

Further subdivisions of these areas will likely occur resulting in as many as 18 regions.

Tularosa/Sacramento River Basin 40 - Year Water Plan Preliminary Schedule of Public Hearings											
Community	First Round	Second Round	Third Round								
Alamogordo	Dec. 7, '95	March 14, '96	July 17, '96								
Carrizozo	Nov. 30, '95	March 13, '96	July 16, '96								
Corona	Nov. 28, '95	March 13, '96	July 16, '96								
Mescalero	Dec. 6, '95	March 12, '96	July 15, '96								
Timberon	Dec. 5, '95	March 11, '96	July 14, '96								
Tularosa	Dec. 4, '95	March 12, '96	July 15, '96								
Oro Grande	Dec. 8, '95	March 14, '96	July 17, '96								

bold indicates evening meeting



State Engineers Office

- County Profile Lincoln County, New Mexico Water Resources Assessment for Planning Purposes, the New Mexico Interstate Stream Commission and the New Mexico State Engineer Office, Santa Fe, New Mexico, 1974.
- County Profile, Otero County, New Mexico Water Resources Assessment for Planning Purposes, the New Mexico Interstate Stream Commission and the New Mexico State Engineer Office, Santa Fe, New Mexico 1975.
- 3. Fleming, W. M. Fleming. 1986. Analysis of Alamogordo's 40-Year Water supply and Demand. NMSEO Hydrology Report 86 2.
- 4. *Garza, S. and J. S. McLean. 1977. Fresh-Water Resources in the Southeastern Part of the Tularosa Basin. NMSEO Tech. Report 40.
- 5. Hydrographic Survey/The Water Rights Adjudication Process, Hydrographic Survey Section, New Mexico State Engineer Office, August, 1986.
- 6. Morrison, T.D. 1989. A Regional Model of the Basin Fill Aquifer Near Tularosa and Alamogordo, New Mexico. MNSEO Hydrology Report 89-3.
- 7. Nixon, J. 1982. SEO memorandum regarding the depletion of irrigation water for agricultural use in the Tularosa Basin.
- 8. Water Use in New Mexico in 1985, Wilson, Brian, New Mexico State Engineer Office, Technical Report 46, November 1986.
- Tolisano, J. 1986. Analysis of Alamogordo's Surface Water Supply. NMSEO Hydrology Report 86- 3.
- 10. Bjorklund, L.J., 1957. Reconnaissance of groundwater conditions in the Crow Flats area, Ortero County. Technical Report 8.
- 11. Sorenson, E.F., 1982. Water use by categories in New Mexico counties and river basins, and irrigated acreage in 1980. Tech. Report 44.
- 12. Hudson, J.D., and R.L. Borton, 1983. Groundwater levels in New Mexico, 1978 80. NMSEO Basic Data Report.
- 13. Fresnal (Creek) Hydrographic Survey, 1912
- 14. *Draft Amended Lower Pecos River Basin Study (Sacramento River Area of Otero County), 1992

USGS

- 1. McDonald, M.G. and A. W. Harbaugh, 1983. A Modular Three-Dimensional Finite-Difference Groundwater Flow Model. Book 6: Modeling Techniques, US Geological Survey.
- 2. Meinzer, O. E. And R. F. Hare. 1915. Geology and Water Resources of the Tularosa Basin, New Mexico. USGS Water Supply Paper 343.



3. *Orr, B.R. and R.G. Myers. 1986. Water Resources in Basin Fill Deposits in the Tularosa Basin, New Mexico. USGS Report 85-4219

US Bureau of Reclamation

- 1. Bureau of Reclamation, High Plains States Groundwater Demonstration Program, Phase 1 Report, 1987.
- 2. Bureau of Reclamation. 1986. Working Document For Alamogordo Municipal and Industrial Water Supply Study, New Mexico. Southwest Region, Amarillo.
- 3. *Bureau of Reclamation, Tularosa Basin Water and Energy Study, New Mexico, Southwest Region Amarillo, Texas. 1984
- 4. *DOI, Office of Saline Water. Saline Ground-Water Resources of the Tularosa Basin, New Mexico. Research and Development Report No. 561

City of Alamogordo

- 1. Herkenhoff and Associates. 1982. Water Master Plan Update: City of Alamogordo. Consulting report to Alamogordo.
- Leedshill Herkenhoff, "40 Year Water Study for City of Alamogordo, Village of Tularosa, Otero and Lincoln County", 1987.
- 3. Molzin Corbin & Assoc. 1990. Effluent Disposal Study for Alamogordo.
- 4. *Boyle Eng. Corp., 1995 Planning Level Water Treatment Study

Otero County

- 1. Otero County Water Resources Assessment for Planning Purposes.
- 2. *Leedshill-Herkenhoff, 1993. Otero County 40 Year Water Plan, 1990 2030

New Mexico State University

1. Cotter, D. J. and D. B. Croft, 1974. Water Application Practices and Landscape Attributes Associated With Residential Water Consumption, NM Water Resource Research Inst. Rpt 49.

University of New Mexico

1. *Historical and Projected Population Trends for Water Planning Districts in New Mexico: 1960 - 2060, Bureau of Business and Economic Research, July 1995.

USDA/NRCS/SCS

1. Sources of Irrigation Water and Irrigated and Dry Cropland Acreage in New Mexico, by County, 1986 - 1988.



- 2. Water Use By Categories in NM Counties and River Basins and Irrigated Acreage in 1980.
- 3. *Irrigation Water Management Study 1991

Misc.

- 1. Arizona Dept. Of Water Resources. 1988. Draft Management Plan for the Prescott Management Area.
- 2. Grisham, A. and W. M. Fleming. 1989. Long-Term Options for Municipal Water Conservation. JOURNAL AWWA, Vol 81, No. 3, pp. 34-42.
- 3. Hillen, D. 1983. Advances in Irrigation, v. 1: D. Hillen, ed., Academic Press.
- 4. Jacoby, B. 1990. Xeriscape Ordinances for New Development. Proc. Conserve 90 Conference, Phoenix, pp. 225 229.
- 5. Jensen, M. E. 1981. Summary and Challenges: Irrigation Scheduling for Water Conservation. Am. Soc. Of Ag. Engr., pp. 275 278.
- 6. Larsen, K. R. 1990. The Phoenix Water Resources Plan for 1990: a Holistic Approach, Proc. Conserve 90 Conference, Phoenix, pp. 391 398.
- 7. Maddaus, W. O. 1987. Water Conservation. AWWA, Denver.
- 8. Martin, W. E. et al. 1984. Saving Water in a Desert City. Res. For the Future Monograph.
- 9. Metcalf and Eddy. 1979. Wastewater Engineering: Treatment, Disposal and Reuse. McGraw-Hill.
- 10. Residential Water Demand, Alternative Choices for Management, Grima, Angelo P., University of Toronto Press, Toronto, 1972, 211 p.
- 11. City of Albuquerque Water Conservation plan



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Hondo CCD	0.07276	0.06854	0.06428	0.06025	0.05653	0.05312	0.04979	0.04637	0.04317	0.04898	0.01758	0.01627	0.01504	0.01389	0.01282
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es, by Wa		2020	Pro	1,0000	0.31890	0.68110	0.93192	0.76612	0.04720	0.09625	Profec	63,750	4,340	1,384	2,956	59,410	45,515	5,372	2,804	2	Projected Average Annual Growth Rates	2020-25	0.37	0.87	1.13	0.75	0.33	0.13	8.5	7.78	
owth Rat	LINDA	2016		1,00000	0.31482	0.68518	0.93378	0.77363	0.09165	0.08930		62,185	4,118	1,296	2,821	28,067	44,923	5,322	2,638	0 10	Projected	2015-20	0.50	1.05	1.31	0.93	0.46	0.26	0.19 4.33	38	
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ons, and		2000		1,00000	0.06075	0.30276	0.93925	0.79357	0.09506	0.07104		F7 065	3.467	1050	2417	53,598	42,534	5,095	2,162	3,808		30,000	990	1.25	1.51	1.13	0.62			1.43 2.16	
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TULAROSA/SACRAMENTO RIVER BASIN 40 YEAR REGIONAL WATER PLAN

Steering Committee Meeting

INFORMATION PACKET

February 21, 1996



TULAROSA/SACRAMENTO RIVER BASIN 40 YEAR REGIONAL WATER PLAN

STEERING COMMITTEE MEETING FEBRUARY 21, 1996

AGENDA

- 1. First round public hearings summary
 - Attendance
 - Comments
 - Press
- 2. Comments on effectiveness of notices, etc.
 - Lead time
 - Day/Night
 - Others
- 3. Second round public hearings schedule
 - Advertisement dates
 - Newspapers
 - Set times
 - Others
- 4. Data presented at second round
 - Population figures (revised)
 - Existing water uses (preliminary)
 - Future water uses (preliminary)
 - First round comments addressed
- 4. Bibliography update
- 5. Status of data collection
 - Communities
 - Corona
 - Carrizozo
 - Oro Grande
 - Tularosa

- Alamogordo
- Timberon
- Agricultural uses
- Recreational uses
- Domestic wells
- 6. Report materials
 - USGS mapping
 - NRCS mapping
 - SEO mapping
 - others
- 7. Scope/Other items
 - Other communities
 - Mescalero
 - Chapparal

TULAROSA/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN TIMBERON DECEMBER 6, 1995

SIGN-IN SHEET

1. Howard Shanks

2. Chris Murtishaw

23. Keith H. Kessler

3. Murtishaw

4. Mark Clark	
5. Jack Deaton	
6. Raymond Wilson	
7. Charla Jean Campbell	
8. Kenneth W. Bradshaw	
9. Sonny Griffin	
10. D. D.	
11. Curtis L. Reece	
12. Ruby L Reece	
13. S. Hollobaugh	
14. Helene M. Cook	
15. Butch Haupt	
16. Dave Ayers	
17. Ernestine Holler	
	18. Richard Moore 19. Paul R. Davis
20. Larry Watson	
21. Bill Berkebile	
22. Dwight Haisley	

- 24. Curtis Schrader
- 25. Debbie Goss
- 26. Sid Benson
- 27. Evert Hicks
- 28. Eddie Livingston

TULSTODS/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN TULAROSA DECEMBER 4, 1995

- 1. Linda Julien
- 2. Adam Kusmak
- 3. Joe M. Danzay
- 4. Guenna Rees
- 5. Jack Rees
- 6. Dan C. Abercrombie
- 7. Stephen E. DuBois
- 8. Richard H. Gutierrez
- 9. Howard Shanks
- 10. Margie Trujillo
- 11. Tom McKean
- 12. Jim Danlof
- 13. Ncolhand Dingledine
- 14. Eddie Livingston

TULAROSA/SACRAMENTO BASIN 40-YEAR WATER PLAN FIRST ROUND PUBLIC HEARING SUMMARY SIX COMMUNITIES, NOVEMBER 28 TO DECEMBER 19, 1995

NUMBER OF PARTICIPANTS: 109

QUESTIONS/COMMENTS: 63

TULAROSA/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN CORONA NOVEMBER 28, 1995

- 1. Greg Haussler
- 2. Hollis Fuchs
- 3. Sue Stearns
- 4. J. Gibbs
- 5. Nolan Vickrey
- 6. Ellis Hodge
- 7. Howard Haskey
- 8. Karen Lerner
- 9. Van Shamblin
- 10. Glenn Brim
- 11. Jim Edwards
- 12. Howard Shanks
- 13. Teresa M. Barajas
- 14. Keith H. Kessler
- 15. Curtis Schrader
- 16. Hazel Bickford
- 17. Robin Ofuffer
- 18. Robert D. Bishop
- 19. Timothy Sanchez
- 20. Eddie Livingston

TULAROSA/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN CARRIZOZO DECEMBER 8, 1995

- 1. Rene Burton
- 2. Greg Haussler
- 3. Keith Kessler
- 4. E. Williams
- 5. Carol Schlarb
- 6. Ruth Armstrong
- 7. Eddie Livingston

TULAROSA/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN OROGRANDE DECEMBER 11, 1995

- 1. Karen Lerner
- 2. Eric Bailey
- 3. Linda Wilkerson
- 4. Don Crottzau
- 5. Bob Larceval
- 6. Leslie Honsberge
- 7. Theresa Kaup
- 8. Bear
- 9. Al Tengelitsch
- 10. Mr. & Mrs Edward Johnson
- 11. Joe Bailey
- 12. Ellen Bailey
- 13. Don Wilkerson
- 14. Doug Essex
- 15. Delta Rumsey
- 16. Earl Johnson
- 17. Keith Kessler
- 18. Eddie Livingston

TULAROSA/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN ALAMOGORDO DECEMBER 19,1995

- 1. Angie M. Meck
- 2. David P. Gallagher
- 3. John Poland
- 4. Jean Dodd
- 5. Aubrey L. Dunn, Sr.
- 6. Joe Keeney
- 7. Rae Keeney
- 8. David Keeney
- 9. Joe P. Moore
- 10. Robert D. Bishop
- 11. Lisa Turner
- 12. Eddie Livingston

SOUTH CENTRAL MOUNTAIN RC&D COUNCIL, INC.

P.O.BOX 457, CARRIZOZO, NM 88301 PH: 505-648-2941

OFFICERS:

Bob Bishop, Chairman

Kelth Kessler, Vice-Chairman

Sue Stearns, Secretary/Treasurer

RC&D COORDINATOR: Howard Shanks

February 6, 1996

TO: Steering Committee Members - Tularosa and Sacramento River Basin Regional Water Plan

The initial round of public meetings for the Regional Water Plan was completed in December, and the next series of meetings is set for March.

Once again, we need your participation and attendance at a steering committee meeting to brief you on the progress of the Water Plan and get your input and ideas for the next series of meetings. The meeting is scheduled for February 21, 1996 at Alamogordo, New Mexico at the office of Livingston and Associates, 1200 Indiana Avenue (corner of Indiana and 12th Street). The meeting will begin at 1:30 p.m. and should last no more than 1 1/2 hours.

Hope to see you there.

Sincerely,

Robert Bishop, Chairman

RC&D Council

TULAROSA BASIN & SACRAMENTO RIVER REGIONAL WATER PLANNING MEETING

Alamogordo Chamber of Commerce

Thursday, November 9, 1995

WELCOME & INTRODUCTIONS 10:00 AM Keith Kessler,

Vice-Chairman

REGIONAL WATER PLAN: Howard Shanks,

Background Information RC&D Coordinator

PLANNING PROCESS: Eddie Livingston, Public Meetings (Schedule & Purpose) Livingston & Assoc.

Data Collection Population Projections

Other Information

STEERING COMMITTEE RESPONSIBILITIES Keith Kessler

QUESTIONS & COMMENTS

ADJOURN

SOUTH C'NTRAL MOUNTAIN ROLD COUNCIL, INC.

P. O. Box 457, Carrizozo, New Mexico 88301 Telephone: 505-648-2941

OFFICERS:

Robert D. Bishop, Chairman Reith Ressler, Vice-Chairman Sue Stearns, Secretary-Treasurer COORDINATOR
Howard Shank

October 23, 1995

TO:

Interested Parties, Tularosa Basin & Sacramento

River Regional Water Plan

SUBJECT: Formation of a Regional Water Planning Committee

The South Central Mountain Resource Conservation and Development (RC&D) Council is preparing to develop a Regional Water Plan for the Tularosa and Sacramento River Basins. The Interstate Streams Commission has appropriated funds for this purpose and the RC&D Executive Committee has selected Livingston and Associates, PC as a consultant to assist in the preparation of a draft report.

We need your participation on a Steering Committee to assure local involvement and input during the planning process. It is important that local people have an input into decisions regarding water issues for the future.

A meeting has been scheduled for November 9, 1995 in Alamogordo to establish a Steering Committee for this project. The meeting will be held at the Alamogordo Chamber of Commerce, 1301 N. White Sands Blvd., beginning at 10:00 a.m. We hope that you or a representative from your community or organization can attend.

Even if you cannot serve on this committee, we would appreciate your attendance at this meeting to explain regional water planning and how information gathered may be helpful to your community.

If you have any questions concerning the meeting or the study, please call the RC&D office - 648-2941. We look forward to meeting with you.

Sincerely,

Bob Bishop, Chairman

TULAROSA BASIN WATER PLANNING MEETING - CORONA AREA PARTICIPATION

The Public Participation portion of the meeting for Tularosa Basin Water Planning began at 11:20 a.m. Eddie Livingston of Livingston & Associates, thanked the council for allowing him to do the work. He distributed handouts with information explaining what the study entails. The State Engineer Office has mandated, by law, that this study be done - planning for the next 40 years so that we know how much water is available and how much is needed. Over 50 studies have already been prepared and this information will be incorporated into a usable plan but this study will include (which has not been done in the past):

- 1. Agriculture Use must be in the Plan
- 2. Water Conservation
- 3. Recreational use
- 4. Public participation

The basin is approximately 6,500 square miles. Howard Shanks said that ALL comments are important. The group was given a sheet which can be mailed to the RC&D office with comments for the plan.

Comments from Corona residents included: Water quality is a problem. The El Paso Natural Gas Co. wells are in the Tularosa Basin and can used by Corona but to date money has been a factor. The wells are located 15 miles from the Village, but hook up can be obtained within two miles if money can be found to pay for the connection. It was suggested that the Claunch-Pinto Study be used for the agriculture portion. It shows the results of controlling pinon-juniper and other brush species. Corona has no wastewater treatment plant. The village is entirely on septic tank systems. The school is the biggest user of water. Population projects are a key issue; there is a question whether University of New Mexico supplied accurate figures. As of July, subdividers must address water availability for a 40-year period as well as water quality. The new subdivision laws will regulate growth. Water conservation does not seem to be an issue in the Corona area. The system is approximately 50 years old but improvements have been made through a CDBG grant in the past 15 years.

Eddie displayed a variety of maps. These will be made available through a publication at a later meeting. The meeting adjourned at 12:40 p.m.

Tularosa/Sacramento River Basin 40 - Year Water Plan Preliminary Schedule of Public Hearings Alamogordo
Carrizozo

Commu

Alamogordo
Carrizozo

Gorona Community **Second Round Third Round Fourth Round** April 11, '96 July 17, '96 October 30, '96 April 4, '96 July 16, '96 October 24, '96 April 2, '96 July 16, '96 October 22, '96 October 17, '96 Timberon March 28, '96 July 14, '96 Tularosa April 9, '96 July 15, '96 October 29, '96 Oro Grande March 26, '96 July 17, '96 October 15, '96

WATER STUDY TO BEGIN ANOTHER ROUND OF MEETINGS

The Tularosa and Sacramento River Basin 40-Year Water study is underway and another round of public meetings is scheduled to begin the last week of March and into April. The study, funded by the Interstate Streams Commission, is attempting to answer the important questions about how much water is available - how much will be needed over the next 40 years - how do we balance future demands with supplies.

The South Central Mountain RC&D Council, located in Carrizozo, conducting the study along with Livingston and Associates, Consulting Engineers, of Alamogordo. The Tularosa Basin is located in western Lincoln and Otero Counties. The Sacramento River Basin is located in southeast Otero County and takes in the Timberon area.

Water planning is a priority in our state and water is the single most limiting factor for growth.

The public meetings are an essential part of the planning process. meetings will be held in major communities throughout the area to provide information on each community's water supply and to discuss problems related to supply, availability and future demands.

Following is a list of locations and times for these meetings. The general public is encouraged to attend.

OROGRANDE, NM : 6:30 PM, Tuesday, March 26th - Fire Station TIMBERON : 10:00 AM, Thursday, March 28th, Timberon HIGH ROLLS : 1:00 PM, Tuesday, April 2nd, Lions Club : 10:00 AM, Thursday, March 28th, Timberon Lodge

CARRIZOZO/NOGAL: 6:30 PM, Thursday, April 4th, Village Hall in Carrizozo

TULAROSA/LA LUZ: 6:30 PM, Tuesday, April 9th, Tularosa Village Hall

ALAMOGORDO/HOLLOMAN AFB: 6:30 PM, Thursday, April 11th - Alamogordo Civic Center 7:00

The eastern part of Otero and Lincoln Counties is in the Pecos River Basin and a similar study is being conducted by the Pecos Valley Water Users Organization and the Sureste RC&D. For information on that study, please call 396-2535.



LIVINGSTON • ASSOCIATES, P.C.

CONSULTING . ENGINEERS

Ms. Norma Cinert 30 Dusty Lane Tularosa, NM 88352

August 6, 1996

TULAROSA BASIN 40 YEAR REGIONAL WATER PLAN

Thank you for your interest in the Tularosa Basin 40 Year Regional Water Plan. As you requested, enclosed is a listing of attendees of the last public meeting held in Tularosa.

The next round of public meetings has not been scheduled, as we are still compiling the needed data. I will personally notify you when the date has been set.

If you have any questions, please call me.

LIVINGSTON ASSOCIATES, P.C.

Eddie C. Livingston, P.E.

President

rcd-001-01/el

Tularosa/Sacramento River Basin 40 - Year Water Plan Preliminary Schedule of Public Hearings										
Community	First Round	Second Round	Third Round							
Alamogordo	Dec. 19, '95	March 14, '96	July 17, '96							
Carrizozo	Dec. 8, '95	March 13, '96	July 16, '96							
Corona	Nov 28, '95	March 13, '96	July 16, '96							
Timberon	Dec. 6, '95	March 11, '96	July 14, '96							
Tularosa	Dec. 4, '95	March 12, '96	July 15, '96							
Oro Grande	Dec.11, '95	March 14, '96	July 17, '96							

bold indicates evening meeting

TULAROSA/SACRAMENTO BASIN WATER PLAN MAIL-IN COMMENTS FORM									
Name	Address	Phone No.							

Please send comments to:

South Central Mountain RC & D, Inc. P.O. Box 457 Carrizozo, NM 88301

Alamogordo Baily Arus

FRIDAY

October 13, 1995

50¢

Serving the Tularosa Basin since 1898





Lack of water may one day stagnate growth

By LISA TURNER
Daily News Staff Writer

Everybody knows Otero County is growing. But economic growth will eventually stagnate due to water scarcity, according to a report prepared by the University of New Mexico for the state.

That is one reason why the state and other agencies are preparing a 40-year regional water plan for the basin and the state, said Eddie Livingston, president and principal engineer for Livingston Associates, P.C in Alamogordo. The plan will consolidate information on water resources and other facts to promote wise water planning and use, Livingston said.

The plan, funded by the Interstate Stream Commission, will assess how much water is presently used and projects how much will be needed in the future based on population projections. No firm figures are available now because the plan is only in the first phase. Public input is needed to complete the first phase, and so the state will spon-

sor several rounds of public hearings in late 1995 and 1996, said Livingston.

A tentative schedule for initial local hearings includes a Dec. 7 meeting in Alamogordo, and meetings in both Mescalero and Timberon in early December.

The plan will investigate both surface and ground water sources, Livingston said. So far, the basin has relied almost exclusively on surface water. The basin's water supply is adequate, but residents cannot afford to squander the supply.

"It's a limited supply. There's quite a bit of ground water out there, but the quality of the ground water is good to very bad ..." Livingston said. Other sources of water for the local area include Bonito Lake, Alamo Canyon Springs, La Luz Fresnal Spring and Creek System and the well field near La Luz. The well field is used only during summer.

Although the local water supply is adequate now, the plan will help stretch out the supply of cheap, available water, he said.

Low increase seen in social security

WASHINGTON (AP) — The 47 million recipients of Social Security and Supplemental Security

since benefits rose 1.3 percent in 1987. Benefits rose 2.8 percent this year.

Thursday

Tularosa Elementary School will hold its mandatory kindergarten registration and optional developmental preschool screening clinics from 9 a.m. to 1 p.m. in the school auditorium.

Friday

The Alamogordo Chamber of Commerce and Southern New Mexico Center for Independent Living will give a free informative seminar on the American Disabilities Act from 7-9 a.m. at Holiday Inn. Call 437-8559 for details.

Texas Lottery

(AP) — Tuesday's games:

- Cash Five: 6-9-15-
- Pick 3, in order:
 1-0-5

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Weather

Tonight, clouds will decrease and southwest winds will diminish to 5 to 15 mph. Thursday will be windy but mostly sunny. Winds will be from the southwest from 20 to 30 mph with higher gusts. Yesterday's high 86

"The idea that we are doing two different types of projects is totally incorrect," said City Manager Bob Stockwell in response to Moncada's opening statements. then Johnson looked at Stockwell as he finished.

"What group are we talking about, Mr. Stockwell?" asked Johnson. "Some of us are receivrevenue bond issue, the puhas a 30-day window built is request a public vote.

Public comments inclusome made by Michael Da

Objections made to water plan based on slow county growth

By LISA TURNER
Daily News Staff Writer

Several people voiced objections last night during a hearing on a local water plan when they learned that usage projections are based in part on an assumed slow population growth.

About 40 people attended the meeting at the Tularosa village hall. The meeting was one in a series in the second of three rounds of hearings to garner public input on a 40-year water plan for the Tularosa Basin.

The plan, funded by the Interstate Streams Commission, is under development by a local firm, Livingston Associates, P.C.

University of New Mexico projections place Otero's population at about 67,000 by the year 2040. Livingston Associates were directed to use this figure when they contracted with the state to do the study. But several people felt the population projection was too low and could skew the study.

"We need to seriously pursue the population projection ... I just can't believe those (numbers)," said Robert Bishop, chairman of the Southcentral Mountain RC&D Council and former Otero County Commissioner. Others echoed his opinion.

The comprehensive water study is the product of a 1980s water rights dispute between New Mexico and El Paso. The study will give the state leverage in case of a similar dispute in the future. A plan illustrating the state's future water needs should road block an attempt by El Paso or anyone threatening to usurp

The regional plan encompasses the entire 6,500-square-mile Tular-osa Basin, incorporating the communities of Corona, Carrizozo, Tularosa, Nogal, Three Rivers, Mescalero, Alamogordo and Holloman AFB.

New Mexico water rights.

A draft is scheduled for completion in late 1996 after a third round of public hearings. The draft will inventory water sources, illustrate current water use and project future water consumption. The study will eventually be incorporated in a statewide plan.

The draft will include a summary of all existing water supply use, taking into consideration the quantity and quality of surface and groundwater resources in the basin, according to information from the South Central Mountain RC&D Council. The state is funding the study through the Council.

The regional plan encompasses the entire 6,500-square-mile Tularosa Basin, incorporating the communities of Corona, Carrizozo, Tularosa, Nogal, Three Rivers, Mescalero, Alamogordo and Holloman.

The next hearing will be in Alamogordo tomorrow at 7 p.m. in the civic center.



HAND-CRAFTED STYLE Thimble Style Show and \$ April, 13 in the Alamogorc Auxiliary members, hospit both will model hand-craft models an all-american \$ Auxiliary Member Kathy Bc show. Proceeds from the st students in the community Tickets are \$5 and can be \$ the door. Call Kay at 43

Tulie AD recommends closing

By SHARON ANDERSON Daily News Staff Writer

Tularosa School Board members were doused with facts and information on the local swimming pool at last night's regular meeting. usage drops as students head back to school.

Then, Miller continued, the pool could be reopened in late August through September for use by physical education classes.

"I really hate to see you shout

"The city's hands are tied Miller replied.

Superintendent Mike Dorexplained that the school dis initially became involved in operations as part of a joint 1

Vol. 5 No. 5

Published Monthly -- Price \$1.25

May 1996

Dinner Theater Is Back



he Timberon Little Theater members are working feverishly on a new play to be performed in Timberon on Sunday, May 26 as part of the Memorial Day Weekend

activities. The play, a comedy/melodrama entitled *Egad*, *What A Cad*, will be presented as the theater half of a Dinner Theater evening.

The dinner will be catered by Timberon's Hilltop Restaurant. It will be served buffet style and features an allyou-can-eat menu of beef brisket and enchilada casserole, plus green salad, several vegetables, desserts, dinner rolls, and drinks. The charge for the entire Dinner Theater is only \$10.00 for adults and \$6.50 for children.

If you enjoyed last year's presentation, you won't want to miss this one—and if you missed it last year—you REALLY don't want to miss this one. It should be even better, since "experience is the best teacher."

The dinner will be served at 6:00 P.M. and the play will begin at 7:30 P.M. If you can't make it for the dinner, walk-ins are allowed for the play. The charge is \$3.00 and since the Little Theater is a non-profit organization, all proceeds above expenses will eventually be put back into the community.

Timberon Representatives Appreciation Day

"You won't want to miss this one!"

Mark your calendars...tie a string around your finger...or whatever it takes!

The Timberon Community Action Group is designating Saturday, May 11, 1996 as "Timberon Representatives Appreciation Day." Twelve very important people have been invited to attend and to enjoy a day in our town—on the town. They are: Senators Don Kidd, Diana Duran, Tim Jennings, and Leonard Rawson; Representatives Dub Williams, Terry Marquardt, and Barbara Casey; County Commission Chairman Richard Zierlein, County Commission Vice Chairman Ronny Rardin, Commissioner Tim McGinn, Sheriff John Lee, and Deputy Sheriff Terry Montoya.

The public will have the opportunity to meet with all of them at the Chateau De La Shay, where a prime rib dinner with all the trimmings (for just \$8.95), will include a FREE SOCIAL HOUR from 6:30 P.M. to 7:30 P.M. But space is limited, so call early for reservations at 987-2342.

Many activities and facilities are being provided for the invited guests and their families, compliments of the businesses involved. These include golf provided by the TWSD Pro Shop, lodging at the Sacramento River Motel, dinner provided by the Hill Top Restaurant at the Chateau De La Shay, and horseback riding and video games at the Moss Ranch Stables.

Don't miss this "once in a lifetime" opportunity to meet and talk informally with your elected representatives.

Let's show them we appreciate that they care! Remember the date—May 11.

South Central Mountain RC&D Meeting

The South Central Mountain RC&D Council returned to Timberon on March 28, represented by Howard Shanks, Ed-Livingston, and Curtis Schrader. They up-dated their findings since their last visit in December of last year. The 40-year regional water plan they are developing will ultimately be part of the New Mexico State water plan. The Interstate Streams Commission and the office of the State Engineer are also supporting this draft. The population growth of our particular area is now calculated as 2.23% for the years 1996-2000. There will probably be another such meeting here in July or August of this year with more complete figures and

information. Thanks to the efforts of Bill Berkebile, the TCAG, and the Home Extension Club ladies who provided refreshments, the meeting was enjoyed by a good turnout of interested citizens.

Hooray!!!

After a great deal of PRODDING, PATIENCE, and VERY GOOD WORK done by our legislators, commissioners, and local volunteers, our road is getting some much needed attention. All who travel the 14-mile road out of Timberon can bear witness to the improvement.

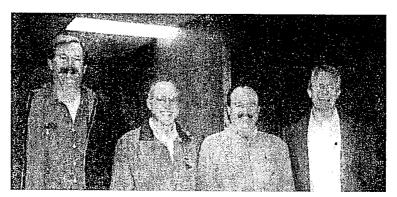
Vol. 5 No. 1

Published Monthly — Price \$1.00

January 1996

Economic Development Planning Session Held

On December approximately 22 people attended a meeting at the Community Center to hear and take part in a program presented by the South Central Mountain Resource Conservation and Development group. There were four guest speakers who explained the purpose of the RC&D, what it is doing and has



RC&D Directors (I to r) Keith Kessler, Howard Shanks, Curtis Schrader, and Eddie Livingston conduct Economic Development Planning Session in Timberon.

done, and what the directors are doing in our specific area. Howard Shanks, Keith H. Kessler, Eddie C. Livingston, and Curtis Schrader were here from 10:00 A.M. through 12:00 P.M. discussing the group's plan for the Tularosa and Sacramento River Basin. They are gathering additional information to combine with previously collected data in order to formulate a 40-year regional water plan. This study will include good input from the public in each area

"Santa Claus Is Coming To Town"

On December 23, SANTA will be flying into Timberon, weather permitting. He will go to AUDREY'S SNACKS and wants to meet ALL the children in Timberon. Santa will have a big bag of TOYS and a GIFT for all the kids. Audrey and Bill will have HOT CHOCO-LATE for them, too!

No matter what the weather is like, Santa will be here and he's expecting lots of children. EVERYONE, especially ALL TIMBERON CHILDREN are invited to visit with Santa. So mark your calendar for 5:00 P.M., December 23.

concerning the water supply and present and future water demands. They are interested in learning about the potential growth of Timberon in order to address the problems of such issues as: money for infrastructure, a monitor on the output from our water source, storage, water rights, availability

water for fire fighting, funding for sealing the lakes on the golf course (used as water storage for the Timberon area), and the possibility of recreational development at the old Sacramento Lake area.

Future meetings will be held throughout 1996. The public will be kept informed as to dates and meeting places, and it is hoped that Timberon residents will attend and take an active part. It is in their best interests to do so.

Timberon Has Christmas Glow

Timberon "Main Street" is really "Beginning to look a lot like Christmas!" Anyone traveling through town after sundown is in for a pretty sight. There are four businesses and three residential properties which have been entered in the Christmas Decorating Contest so far, and the entry date has been extended until December 14 in the hope that more will be into the holiday spirit and join in. There is nothing to lose and much to gain, besides making Timberon even more beautiful than usual...and that's pretty difficult to do!

Wishing you a Wishing you a

Mishing you a

Happy New Year!

dance to the music of D.J.

Don't forget to make your reservations for the TCAG New Year's Eve party. The date is (of course) December 31...time is 9:00 p.m...place is Chateau de La Shay...cost is \$10 per person. You can

"TRACY", have hors d'oeuvres, party favors and a very good time while greeting the New Year with friends. Just call 987-2258 or 987-2600.

 A group from the fisually Handicapped in, D.C., meeting with ed are teacher Susan

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Wride, Naomi Yazzie, Bingaman, Christella Garcia, Leonel Parks, Isaac Valencia and escort Charles Wride. White Sands Mall

Pictures and opening dates are subject to change or deletion without notice. Check with theatre or current newspaper for

till holed up, two to leave

firmed they were Val Stanton and her 5-year-old daughter Mariah.

"She's out. That's good," said Tom Spillum, Mrs. Stanton's brother-in-law.

Authorities also did not identify the third-party negotiators meeting with the Freemen. Sen. Bob Brown, the president of the Montana Senate, confirmed they are state legislators.

Brown, a Republican who represents the ski resort town of Whitefish, said the negotiations were proposed by a state legislator from outside the Jordan area who has ties to someone with the Freemen.

That lawmaker recruited others to take part in the talks, Brown said. He declined to name the legislators involved.

The standoff began March 25 after federal agents arrested Freemen leaders LeRoy Schweitzer, 57, and Daniel Petersen, 53.

The Freemen have renounced all established authority, set up their own government, issued millions of dollars in bogus checks and threatened to kill those who stand in their way, authorities have said.

Schweitzer, Petersen and others face federal charges of writing millions of dollars in bogus checks and money orders, and threatening to kidnap and murder the federal judge who was involved in the foreclosure of the farm that serves as their base.

ROUNDUPS

The revenue to operate NMSU-A is derived from State and county funds and student tuition. Recently the state legislature voted to reduce the state share of operating costs for the school by an amount equal to three percent of student tuition.

NOTICE OF PUBLIC MEETING

FOR THE

TULAROSA/SACRAMENTO RIVER BASIN 40-YEAR REGIONAL WATER PLAN

The public is invited to attend the second round of hearings and provide input to the planning process for a regional water plan for the Tularosa and Sacramento River Basins.

TIME LOCATION

TUESDAY, APRIL 9, 1996 6:30PM TULAROSA VILLAGE HALL

THURSDAY, APRIL 11, 1996 7:00PM ALAMOGORDO CIVIC CENTER

SPONSORED BY THE SOUTH CENTRAL MOUNTAIN RC&D COUNCIL. FOR INFORMATION CALL LIVINGSTON ASSOCIATES, P.C., CONSULTING ENGINEERS AT 439-8588



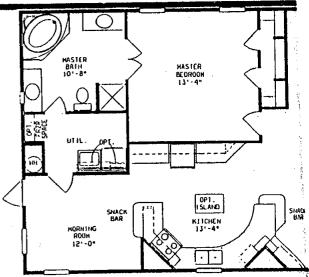
Wednesday





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p.m.; ×4:45 Rural e at neet ada).

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9070.

call 437-4788. For information, • The Otero County Land Use Advisory Council (PLUAC) will hold a public meeting Tuesday at 7 p.m. in the County Commission meeting room, Otero County Courthouse room 104. An agenda is available for public viewing in the Otero County Administrative Office, room 101. For information, call 437-7427

• The Golden Gears will hold a regular meeting this Tuesday at 7 p.m. at VFW Auxiliary bldg. For information, contact Jack at 434-0200 or Mac at 434-8952.

• Chapter AO, PEO Sisterhood will meet this Tuesday at 7:30 p.m. at the home of Doris Duggan, 306/ Scenic Dr. Call 437-4634 for regree

Wed. Dec. 6

• The Bookmobile from the New Mexico State Library will be at Oro Grande Post Office, from 11:15 a.m. to 12:45 p.m. For information, call the Rural Bookmobile Southwest Office at (505) 537-5121.

• We Will Survive Widowed will not meet this Wednesday. Meetings will resume on Dec. 13, at 220 Fuerto Rico Ave. For information, call 434-3236.

• The Otero County Health Office holds a satellite clinic every Wednesday from 9 a.m. to 12 p.m., and 1:15-3 p.m. at the Community Center in Tularosa. Services include TB testing, immunizations, STD info, and family planning information. Advanced appointement is needed for PKU and pregnancy testing. For information, call 437-9340.

• Duplicate Bridge will meet Wednesday at 12:30 p.m. at Granada Center; call Ruby at 437-

· The New Mexico State University Alamogordo Jazz Ensemble will meet in rehearsal every Monday and Wednesday at 5:30 p.m. to prepare for several concerts. Intrumentalists are

noids its weekly open house every Wednesday from 6:30-8 p.m. at 1012 Cuba Ave. For information, call 437-0993.

• The New Mexico Symphony Orchestra will be at the Flickinger Center for Performing Arts Wednesday, at 7:30 p.m. For information, call 437-2202.

· Singles Together will meet Wednesday from 7:30-8:30 p.m. at DK's Cafe. All singles 21 and older are welcome to attend. For information, call 585-9736.

Thu. Dec. 7

· Alamo Squares will hold a general membership meeting Thursday at 7 p.m. at Paul's Family Dinning. Dinner will be at 6 p.m. For information, contact Jim Yeager at 437-0174.

• The second public meeting for the Regional Water Plan for the Tularosa Basin scheduled for Thursday, Dec. 7, has been rescheduled for Tuesday, Dec. 19, at 7 p.m. For information, call 439-

Fri. Dec. 8

• The Otero County Scottish Rite Club will hold their regular dinner meeting Friday at 6:30 p.m. at Paul's Family Dinning. All. Scottish Rite Masons and their wives are welcome and encouraged to attend. For information, contact Joe Ash at 434-0198.

· Kathy Manes, Children's librarian at the Alamogordo Public Library, would like to invite all children and families to a special family holiday story exchange Friday from 7-8:30 p.m. in the Sacramento room. For information, call 439-4140.

• The Alamogordo Woman's Club will hold their annual Christmas Party at the Woman's Clubhouse, 12th St. and Indiana Ave. Friday at 11:30 a.m. This will be a pot-luck luncheon. In lieu of gift exchange, bring toys for tots and non-perishable food for the needy. For information, call 437-4704 or 437-0311.

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PUBLIC SERVICE ANNOUNCEMENT:

NOTICE OF PUBLIC MEETING

FOR THE

TULAROSA/SACRAMENTO RIVER BASIN 40-YEAR REGIONAL WATER PLAN

The public is invited to attend the second round of hearings and provide input to the planning process for a regional water plan for the Tularosa and Sacramento River Basins.

DATE	TIME	LOCATION
TUESDAY APRIL 9, 1996	6:30PM	TULAROSA VILLAGE HALL
THURSDAY APRIL 11, 1996	7:00PM	ALAMOGORDO CIVIC CENTER

SPONSORED BY THE SOUTH CENTRAL MOUNTAIN RC&D COUNCIL. FOR INFORMATION CALL LIVINGSTON ASSOCIATES, P.C., CONSULTING ENGINEERS AT 439-8588

PUBLIC MEETING SCHEDULE

TULAROSA BASIN WATER PLAN

DATE	TIME	LOCATION
TUESDAY, MARCH 26, 1996	6:30PM	ORO GRANDE FIRE STATION
THURSDAY MARCH 28, 1996	10:00AM	TIMBERON LODGE
TUESDAY, APRIL 2, 1996	1:00PM	HIGH ROLLS LIONS CLUB
THURSDAY APRIL 4, 1996	6:30PM	CARRIZOZO VILLAGE HALL
TUESDAY APRIL 9, 1996	6:30PM	TULAROSA VILLAGE HALL
THURSDAY APRIL 11, 1996	7:00PM	ALAMOGORDO CIVIC CENTER

SECOND ROUND OF PUBLIC MEETINGS ON THE TULAROSA BASIN 40 -YEAR REGIONAL WATER PLAN, 2000 - 2040

WILL DISCUSS EXISTING AND FUTURE WATER USES

TULAROSA BASIN WATER PLAN

THURSDAY APRIL 11, 1996 AT 7:00 PM
ALAMOGORDO CIVIC CENTER

SECOND ROUND OF PUBLIC MEETINGS ON THE TULAROSA BASIN 40 -YEAR REGIONAL WATER PLAN, 2000 - 2040

WILL DISCUSS EXISTING AND FUTURE WATER USES

TULAROSA BASIN WATER PLAN

TUESDAY APRIL 9, 1996 AT 6:30 PM
TULAROSA VILLAGE HALL

SECOND ROUND OF PUBLIC MEETINGS ON THE TULAROSA BASIN 40 -YEAR REGIONAL WATER PLAN, 2000 - 2040

WILL DISCUSS EXISTING AND FUTURE WATER USES

TULAROSA BASIN WATER PLAN

THURSDAY MARCH 28, 1996 AT 10:00 AM
TIMBERON LODGE

SECOND ROUND OF PUBLIC MEETINGS ON THE TULAROSA BASIN 40 -YEAR REGIONAL WATER PLAN, 2000 - 2040

WILL DISCUSS EXISTING AND FUTURE WATER USES

TULAROSA BASIN WATER PLAN

TUESDAY APRIL 2, 1996 AT 1:00 PM HIGH ROLLS LIONS CLUB

SECOND ROUND OF PUBLIC MEETINGS ON THE TULAROSA BASIN 40 -YEAR REGIONAL WATER PLAN, 2000 - 2040

WILL DISCUSS EXISTING AND FUTURE WATER USES

TULAROSA BASIN WATER PLAN

TUESDAY MARCH 26, 1996 AT 6:30 PM
ORO GRANDE FIRE DEPT.

SECOND ROUND OF PUBLIC MEETINGS ON THE TULAROSA BASIN 40 -YEAR REGIONAL WATER PLAN, 2000 - 2040

WILL DISCUSS EXISTING AND FUTURE WATER USES

SPONSORED BY THE SOUTH CENTRAL MOUNTAIN RC&D

TULAROSA BASIN WATER PLAN

THURSDAY APRIL 4, 1996 AT 6:30 PM
CARRIZOZO VILLAGE HALL

SECOND ROUND OF PUBLIC MEETINGS ON THE TULAROSA BASIN 40 -YEAR REGIONAL WATER PLAN, 2000 - 2040

WILL DISCUSS EXISTING AND FUTURE WATER USES

TOWN MEETING

REGIONAL WATER PLANNING

CORONA SENIOR CITIZENS
CENTER

NOVEMBER 28,1995 10AM - 12 NOON

THE SOUTH CENTRAL MOUNTAIN RC&D COUNCIL

AND LIVINGSTON & ASSOCIATES ARE

CONDUCTING PUBLIC MEETINGS IN THE

TULAROSA BASIN TO DETERMINE FUTURE WATER

NEEDS AND PRIORITIES FOR OUR CITIZENS.WE

NEED YOUR INPUT.

FOR MORE INFORMATION CONTACT HOWARD SHANKS AT 505-648-2941

REGIONAL WATER PLAN FOR THE TULAROSA BASIN

MONDAY DECEMBER 4, 1995 AT 7:00 PM TULAROSA VILLAGE HALL

THE PURPOSE OF THE MEETING IS TO PROVIDE AND COLLECT INFORMATION FOR A REGIONAL WATER PLAN FOR THE TULAROSA BASIN

"PLEASE BE THERE, DON'T LET SOMEONE ELSE PLAN FOR YOUR FUTURE WATER NEEDS!"

Sponsored by the South Central Mountain RC&D, Inc.

NOTICE OF PUBLIC MEETING

REGIONAL WATER PLAN FOR THE TULAROSA BASIN

TUESDAY DECEMBER 19, 1995 AT 7:00 PM ALAMOGORDO CIVIC CENTER

THE PURPOSE OF THIS FIRST PUBLIC MEETING IS TO PROVIDE INFORMATION ON THE REGIONAL WATER PLANNING PROCESS AND SOLICIT PUBLIC INPUT ON A REGIONAL WATER PLAN FOR THE TULAROSA BASIN

Sponsored by the South Central Mountain RC&D, Inc. 505-648-2941 or 439-8588

SOUTH CENTRAL MOUNTAIN RC&D COUNCIL, INC.

P.O.BOX 457, CARRIZOZO, NEW MEXICO 88301 PH: 505-648-2941

March 19, 1996

TO:

All Interested Citizens

FROM:

Robert Bishop, Chairman

South Central Mountain RC&D Council, Inc.

SUBJECT:

The Future of Water in the Tularosa and Sacramento

River Basins

The South Central Mountain RC&D Council, Inc. and Livingston & Associates, Consulting Engineers, will hold a series of public meetings to obtain input, testimony and relevant information regarding the future use of water within the Tularosa and Sacramento River Basin of Lincoln and Otero Counties.

The South Central Mountain RC&D Council is a non-profit organization interested in rural development issues in our area, particularly in the wise use of our natural resources and in the economic viability of our rural communities.

Our organization is currently developing a 40-year water regional water plan with the support of the Interstate Streams Commission and the Office of the State Engineer.

The regional water plan will ultimately be a part of a state water plan which will assist decision makers to determine how to deal with water issues for the next 40 years.

The public meetings are an essential part of the planning process and are scheduled during the months of March and April at the following locations:

MARCH

OROGRANDE:

6:30 PM - Tuesday, March 26th - Fire Station

TIMBERON:

10:00 AM - Thursday, March 28th - Timberon Lodge

APRIL

HIGH ROLLS:

1:00 PM - Tuesday - April 2nd - Lions Club

CARRIZOZO/NOGAL: 6:30 PM - Thursday - April 4th - Carrizozo Village Hall

TULAROSA/LA LUZ: 6:30 PM - Tuesday - April 9th - Tularosa Village Hall

ALAMOGORDO/HOLLOMAN AIR FORCE BASE:

6:30 PM - Thursday - April 11th - Alamogordo Civic Center

TULARÒSA/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN CARRIZOZO DECEMBER 8, 1995

Name	Address	Phone No.
Rune Burton	Box 181 barryons	648-2102
Greg Haussler	Box 181 barrings Box 116, Capitan NOGAL, NIM HC 67 BOX 90 88341	354-2220
Reith Kessler	HC67 BOX 90 88341	336 - 48%
REWILLIAMS	BOX 100 NOGAL 88341	354-2200
Carof Schlarb	Box 247 CARRIZON	-448-2371
Ruth amother	Bef 622 Carriage	6KB-2435
,	UU	

TULAROSA/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN OROGRANDE DECEMBER 11, 1995

Name	Address	Phone No.
KAREN LEANER	Roswell - SNMEDD POBOX 9 ORO GRANDE	624-6133
Eric Bailey		(915.912.543) W J
Linda Wilkers	0	
DON CROTTERU	BOX 26 OROCRAME	434-0219
Bos LARCEVAL Leslie Honsberger	POBOX 73 Ord grande	437-2660
Theresa Kaup		,
BEAR	Hox 47 OG 88392	494 3039
ALTERS P. 75 ch	10 BOX 32 OG.	1120 - 116
mitmus Johnson	OLOGRADDE N.Me	1437 5412 137 5078
JOE BALLEY Ellen Bail	P.O'. Box 18 ORO Grande	437-5078
Don Wilkerson	ora Grande work	727
Doug Essay	Ore Grande	437 7015
Delta Rumsey	Bro Grunde	434-8666
Cal C. Molinson	BOX 36 Gro Brande HC 67 BOX 90	437-0447
Reith Kessler	HC 67 BOX 90 NOSal, N.M. 86341	336-4886

TULAROSA/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN CORONA NOVEMBER 28, 1995

Name	Address	Phone No.
Greg Haussler	Box 116 Capitan N.M.	354-2746
Hullis Fuchs	Box 261 Cap/tan NM Boy 98	354-2935
SUE STEARIS	NOGAL NM	354-2487
of Hills	Corona n.m.	849 4611
nalon Verbry	Corono h m	8497777
Ellis Hodge	CORONA	849-8502
anud Hacker	SEZOL //OEVAS	645-2418
KAREN KERNER	Roswell Zoswell	624-6/33
Yen Shambelin		354-3104
GLENN BRIM	1900 W. 2 POSWACL	622-6521
Jim Edwards	1216 Mecham Drive Ruidoso 88345	
Theresa N. Bar	Bux Ht CARRIDO MA	648.284 P.O.Ba
Reith H. Kessler	1 HC 67 BOX90	849-1437 336-4157-Fex 336-4886-055ice
CURTIS SCHRADEN	Nogal, N.M. 88341 Box 1317 CLOUDCROFT, NM88317	·
<u> </u>	Cedarvalo 87063	849-7755
Roben Saffer	Commo 3115 sper ct. 1100 201 - 200 Box 45 He-68 Box 45 Cedarvale N. M. 8700	849-2222
Robert D'Bishop	Palley 187109	244 0553
Temothy Sanches	Cedaruale N. M. 8700	09 849-1636
V		

TULARÖSA/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN TULAROSA DECEMBER 4, 1995

Name	Address	Phone No.
W.T. ALINDA JULIEN	52 GARDNER TUCAROSA	585-9639
Helen husmak	500 Rinta Rd. Tolans	o (505) 644-2797
(m) Vin in	Tylanasa na	
Duenna Rees	51 Landry Talarosa	505-585-2909
Jack Rees	/ (11
DAN C. ABORCO M SIE	BX 306 AZAMOGOKA	434-5210
Stephen & hendris	618 W1110W LA TU/10 ROSA	585 9491
Richard H. Delien	full Age of lakerosa	585-2080
Dewyl Sharky	RC40	648-2911
Margie Duyello	Tularosa,	585-4499
Tom Milea	Tulprosa	585-9008
Jim Danley	Tularosa	
Theother Dinglodine	Telasoca	
:		

TULAROSA/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN ALAMOGORDO DECEMBER 19, 1995

SIGN - IN SHEET

Name	Address	Phone No.
ANGLE M. MECK	1210 Post-AVE, ALAMO	439-1740
David. P. Com (After	P.O. Box173 Rolls	682-2720
JOHN POLANS	501 Sunglow Ave Alamogordo 1302 Cangon Rd	434-6474
Gun Didd	alamotorto	434-3041
Aubret L. Dunn Sr	BOX386 Alamogo-No,MIM	437.7623
JOG LEENEY	1206 CANYON PLACE ALAMOGORDO NUT	437-3678
Lae Keeney	11	11
David Keeney	923 Satura Cin Alamogondo	439-8293
JOEP. MODRE	1801 Granada Alamogovoo	43 7-3090 439-4220
ROBERT D. BISHOP	790 LABORCITA LALUZ 88337	437-4862
Lisa Turner	P.O. Bex 1603 Alamyordo	437-7120

×

TULARÖSA/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN OROGRANDE MARCH 26, 1996

Name	Address	Phone No. 915 • 775 - 3397
ERIC BAIRY	BOX9 Crobrade	434-6820
Jee BAILEY	BOX 18	437-5078
Doub Essex	MYPARE BEER	
Raul Rojas	PO. 33	434-6733
Lon Wilkerson	P.O. box 2	
Denoreua Clojos	· ·	434-6733
It Tought Tought	POBOX 33 POBOX 32	
Trax Raines	P.O. BOX 73	437-2660
hin miller	P. O Box 54	434-445-2
Earl & Johnson	Pro. Boy 36 MoGrande	437-0447
BODIE LIVING STON		439-8588

TULAROSA/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN TIMBERON MARCH 28, 1996

Name Print	Address	Phone No.
HOWARD SHAWKS	B1 x 457 (ARRIZIZI	648-2941
Jean Camphell	33D, Timbern	987-2272
GRACE MEYERS	Box 208.	787-2225
Mary Frances Seid	Box 203 -	984-2273
Straley Dorald		937.25.88
Mon deller	Box 3 Timberon	987-2334
BILL HOLLMEBLE	12 × 157 . 9	959 129
Deborn England	fo Box 34 Timperon	987-2480
FLO STAPLETON	POBY 102 TIMBERON	187-2575
ROSE MARIE NETZE.	e PoBrul 236 "	987 - 2384
Gloria Spradley	P.O. Bay 250 - TimbERAR	982-2531
JOHN H. STAPLETON	POBOKION TIMBERS	987-2595
Bab Cristip	Po Box 342 Timber	n 987-2523
Paula Cristip	PO BOX 342 Timberon	987-2523
DAVE AYERS	Box 115 TIMBERON	987-2312
Dwight Hzisley	Box 134 Timberon	987-2378
harry Watson		937-2542
BETTY L. REECE	70. Box 177	987-2253
CURTIS SCHRADER	Box 317, CLOUDEROFT	682-2411

TULAROSA/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN HIGH ROLLS APRIL 2, 1996

Name	Address	Phone No.
MEL PEARCE	29 OLD RANGER ROAD	682 3447
C/int ME (hery	25-27 Old Fire House R	682-2719
Joe Chambes	Box 487 High RILS Esa- NO Box 25/02 3 auta For 27507	682-2462
Phil Hareltine	3 auta For 275002	877-6160
CURTIS SCHRADER	BOX 317, CLOUDERDET	682-2411
EDDIE LIVINGSTON	1200 INDVANA	439-8588
	_	

TULAROSA/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN HIGH ROLLS APRIL 2, 1996

Name	Address	Phone No.
Aslen Richardson	24 Hild Rose	687-3206 11 11
(K.K. Kuhaiden	1 1 11 11	11 11

TULARÒSA/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN CARRIZOZO APRIL 4, 1996

Address	Phone No.
P.O.BOX 457 CARRITOZO	648-2941
HC 67 Box 90 Nogal	336-4886
12-16 Mecham Drive Ruidoso	258-3272
BOXZY7 CHRRIZOTU	648-2371
Box 601 Carrizozo	648-4-258
Box 181 CARRIZOZO	648-2102
Kay bee	149 2135
2 SANT PHOTOMONIA, NVM	420-2685
BOX 536 Carrizozo, NM	648-2158
Capilar 88316	354-3104
1200 Indiane	439-85 8 8
	-
	P.O.BOX 457 CARRITOZO HC 67 BOX 90 NOGA) 12-16 Mechan Drive Ruidoso BOX 247 CHRRIZOZO BOX 601 CARRIZOZO BOX 181 CARRIZOZO KAY 6-12 BOX 336 CARRIZOZO, NIM BOX 536 CARRIZOZO, NIM BOX 536

TULAROSA/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN TULAROSA APRIL 9, 1996

Name	Address	Phone No.
Wyfanaualf	P.O. Box 938	585 9082
CAROL GUILEZ	TalAROSA	
Chow Guilez	TulAROSA	785-46 48
Lisa Turner	Alamogordo	437-7/20
PSACKIE SANDOUAL	Tulie	585.4441
John Stockert	124 Sun Valley Ad Tulie	2 595-2946
Eddie Viail	P.O. Box 955	585-4920
Robert Baca	HC72 Box 5056	585-29/3
Morma & anist	30 Dusty Ly Julie	585-2057
Glady nosker	Glenear n.m	378-4654
Lovell noelle	Glenear ym	378-4558
Sharon Perry	18 Moon Sn. Tulies	585-2147
BILL & ROBYN HAYHURST	95 MTN MEADOWS Rd	585-9000
10NY TAFOYA	933 Reauth Ciacle	585-2575
Ray Quick	144 RockCLICT RD	474-0589
John H. HEES	51 GARDWERD RD TWA	585 - 2909
Bill Kinha Julier	52 Jardner Julie	585-9639
Durina Rela	51 Yordner Rol Tal	585-2909
Bob CAZR	POBOX 128	585-4986
J. HOWARD BLACKBURN	1002 PECAN OF	5-85-2026

TULAROSA/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN TULAROSA APRIL 9, 1996

Name	Address	Phone No.
James Williams STEPHEN C. DuBois	STRT# / BONT, NM 618 WILLOW LANE TV/DROSA.	671-4598 585 9491
ROBERT BISHOP	190 LABORGITA LALUZ, NM	437-4862
Bill Trammell	Box 965, Terlarosa BX 306 ALAMOGORO	
FRANN E. BIRD	PO Box 20 4 Tularas	585-9046
JOE B. BIRD HB SH AW	P.O. BOX 204 JULAROSA JULAROSA Tylarosa Rm	585-9046 585-1986
Soe a Donaxy my		l / l
KAREN LERNER SNM.	Bataan 201, Santa 7e 87 CAB 110 E 4EST POSWell 8	*
Methanica Markens	1 , chilloud one Tulomo 8	xx2-585-949/
Margee Suy ill	1208 Montezuna	585-449

TULAROSA/SACRAMENTO BASIN WATER PLAN PUBLIC HEARING IN ALAMOGORDO APRIL 11, 1996

Name	Address	Phone No.	
PAUL BURNETT	1826 LAMARCIN- ALAM	434-1533	
LESLIE BOWD	208 5. BOOKOUT	585-965S E	-Tularo
JOE KEENEY	1206 CANYON PLACE	437-3678	
Roe Leeney	71	1/	
Darrell Burrows	31 Ord Vista Dr	437-8715	
Williams	510 San fortres	437-2751	
Roy Quist	144 RockeliceRD	434-0589	aluz
Sharon Perry	18 Moon Lane Tules	585-2147	
norma E. Cinert	30 Ducky La Tuli:	585-2057	
Bob Fisk	Box 451 High Rolls	682-3680	į
Bill HORNBACK	POBOX 1586 Alamo	585 9063	
WIM WAGNER	CANYON KOAO -LALU:		
Barbara Wagner	841 Laboretta Canyon	Rd /1 11	
Dennis Ceinmins	3 Marble Tgo, Alangorob		
Charles Walker	Clouderoff	687 3508	
Thelma Walker		1/11/7-	
Evely-K. Cook	Box 3 La huz Box 3 La huz	437-1638	
Alvin Cook	Box 3 La huz	437-1638	
L			

(COMMENTS The do-goodue that keep hasking their trainer?) about the water
shartage here in alonggado, Dound Like the "little loy who wanted first to heep his
cake + sax it too! you can't have it both way "
If you had a cup of water + knew that was all you were going to get, would you
heep how day it out to ablangers?
I here's why one sense ble solution to the proven - gue ny my .
oral able space in the area with a house on trustness.
I saw this very same problem in yeela valley, la. They wanted lite- nood. They got it
this wanted Progress, and cost they got who a ghost town - businesses clased, people suft
town. all because of a lack of water, theed breeds discontent.
I have my eved. I was born here 81 years ago + have lived here eff ton all my
ale as acadesia me to see the lack of sense this modern generation uses, "you can't
- now your as he sail it the LORD Fed them MANNE 4thousson dies in
Name Lettye Potson Losee E-mail CATA 38'5 Chauns, Com
Daytime Phone Number 437-4411 City LALLE

Reclived 1-9-2001

105ert 162 great distubation mex Exelent Insert Well writens in Forms

City Heamogor

E-mail

Daytime Phone Number 434-494

Contact Me Kyes

Address 1409 Post Ave

Name Howard Bas

State

Realized

TRY TO ATTEND MEETINGS BUT DON'T MANAGE TO SUNCEED TOO OFTEN City old MO GO RD O APPRECIATE WHAT IS BEING DONE AND (FUTURE) PLANNED State GETTING OLD AND SLOW), PROCEDURES CAREFULLY. Daytime Phone Number 434-434 G-2055 Address 605 SUNBEAM FOLLOW THE Name RUDY M. Contact Me \square Yes \square No COMMENTS

ITS JUST KEEP CIT GROWNH-VS- BUTLOIME FIRSTER	70 MON 1184 (And N=10 MOLING) 0, 70 0=- 57 TW. (0.7 H=5= pho) 1 (3.7 2) phonolist " + H/W-5 P	R Denaw, W. Spibell. E-mail C. C. COX 35/9 Phone Number Me□ ves Me□ ves	
	γ \		



Mr. Livingston: 5 Feb 2001
Re Regional Water Planning:
le All of our Water Supplies
are limited and Shrinking
They are Shrinking because,
l. All of our Water Supplies are limited and Shrinking They are Shrinking because of Overuse, Woste and Pollution!
2. All of our Natural Resources
2. All of our Natural Resources are Limited and Shrinking
3. Therefore, Growth of Population,
Consumption, Waste and Pollution Must Stop
Must Stop
4. It is Physically Impossible,
to Sustain Perpetual Growth
5. Stability and Conservation
must be the Policies of
our Future
P



6. Strategies a. Water Conservation: Everybody Most Conserve, Including All Businesses/ b. Watershed Management? Our Public Lands shall Not be managed solely for Water Production/ They shall continue to be inauaged for Multiple Use, including Wildlife Overgrazing Damages Watersheds C. Desalin'ation: This process will be Too Exprusive for everything but Drinking/ d. Cloud Seeding: Too Dangerous / We do Not Know enough about it! Is we make it Rain here, by Cloud-Seeding, it will Not Rain somewhere else, down the Weather Stream

Face the Facts and Bite the Bullet /

TULAROSA/SACRAMENTO BASIN WATER PLAN MAIL-IN COMMENTS FORM		
Name Address BOOKOUT Phone No.		
LESCIEBOND FULAROSA 585-9655		
1. Jong term groundwater levels are the		
hist direct neasure of net depletion in the		
Lasin.		
2. Within your time and money constrainto.		
please review and comment on the assumption		
on " freturns" to the sixtur. My experience		
.// / / / / / / / / / / / / / / / / / /		
regt at the mountain front		
Tage go was proman pront		
,		

Please send comments to:

South Central Mountain RC & D, Inc. P.O. Box 457 Carrizozo, NM 88301

TULAROSA/SACRAMENTO BASIN WATER PLAN MAIL-IN COMMENTS FORM Name Address Phone No. 1826 LAMAN CIRCLE BURNETT continuing The population growth level, result in 36 years, So Here's a mathematical cer that the population Please send comments to: rate of growth slows. It could take 50 years to double, but it will happen some time in the 35 to 50 year time frame. South Central Mountain RC & D, Inc. P.O. Box 457 Carrizozo, NM 88301



Mr. Livingston: 12/30/95
Re your Water Study:

Here are some facts and Opinions about Water 14. Alama, Tulavasa Basin, New Mexico and the USA:

Facts Even the State Eugineers

In Alamagerro owns enough Water

Rights for about 45,000 people.

2. Cur undergrand Water Supply in

the Tolarcra Basin is shrinking

every day, because for many

years we have been pumping

water out of the ground foster

than it is being recharged.

The same is true for most

Basins in New Mexico.

3. Every drop of Surface Water in

the State of New Mexico.

Cverappropriated | There are more

Rights than Supplier |

OVER

Other Facts: 1. The Ogalalla Aguifer, a great under ground Sea OF water, has been pumped down to where many farmers can not afford to pump it aux more/ Water supplies all over the USA are shrinking because of Overuse and Pollution 3. Park Barrel Boundoggler like the Central Avizora Project are too expensive to be constructed anywhere else/ we can't balance the Budget and fond Boundoggles like this tool 4. In Alamo: Rainfall 100. Evaporatron 12 Feet Opigious 1. Water Rights are too expensive to buy, even is some one would sell them/

2 Desalimation will be too
expensive for most of us!
and only Temporary

3. Long-tern residents of Alahagordo have prior vights, senior vights, to their traditional aurounts of ore at reasonable , costs/ 4. Queenery around residencer is Necessary because it reduces cooling costs and conserves : Evergy / Evergy Conservation . Is an Absolute Nece-sity/ 5. Commercial Car Washes one outrageous wasters of Water and Energy because Washing cars is Not a necessity it is a loxury/ Car Waster I. must be phased out in a few years/ 6. Present residents of Alamo do Not want thrir water taken from them so that it can be sold to strongers Taxpayous Financial Resources are shrinking every day/ We can Not pay for more Water

4.

8. Perpetual avonth is Physically
Impossible because All of our
Natural Resources are Shrinking

Growth Must Stop | We do Not want to drink our Reclaimed Sewage!

10. New technology May help us but it would be foolish for want to gamble on that now!

10 Don't count your chickens outil they hatch!

11. The solution to our Water problems: Stop Growth Now!

In your report that the best solution to water problems, all over the Avid Southwest, is to Stop browth Now!

We Must Recognize Our Limits

Water Conservation is Necessary merely to maintain the Status Quol. Howell E. Rough, BSF Paul T. Burnett pburnett@zianet.com

1826 Lamar Circle Alamogordo, NM 88310-4741

Howard Shanks, Coordinator South Central Mountain RC&D council, Inc. P.O. Box 457 Carrizozo, NM 88301 March 24, 1998

derion 50. 40 - 30

Dear Howard,

As you know, I am very interested in the Regional Water Plan and would like to make a suggestion. You'll note I'm sending a copy to Eddie Livingston for consideration.

I propose that the RC&D Council incorporate in the Regional Water Plan a demonstration project for augmenting rainfall across the watersheds supplying the Tularosa Basin. I suggest that the Council contact Sandia and Los Alamos National Laboratories concerning the possibility of working with the RC&D Council in a technology transfer program to conduct a feasibility study, develop and action plan, and apply state-of-the-art technology in the proposed demonstration project. To make such a cooperative technology transfer initiative feasible, it may be necessary to set up or subcontract with a small business qualified to participate in existing Small Business Innovative Research or Small Business Technology Transfer Programs depending on the response and regulatory requirements. The point is to take advantage of the high-tech expertise available via technology transfer programs to attain the objective.

The technological basis for this proposal is straightforward. The natural water cycle of evaporation from oceans, rainfall over land masses, and runoff back into the oceans has been uninterrupted for many thousands of years. The objective of the proposal is to continually tap the stream of water vapor that passes above the surface on a daily basis, make use of that water in management of forest and human health, and recharge the sub-surface acquifers as an integral part of the natural water cycle.

From the technical perspective, the proposal would involve injecting condensation nuclei into the atmosphere from ground-based sites in a controlled manner along the trajectory of the moisture supply between the oceanic source(s) and the target area for rainfall augmentation. Ground based injection of condensation nuclei has been demonstrated to be practical in locations such as the former Soviet Union and early experiments elsewhere principally in endeavors to mitigate hail damage. I'm not aware of similar organized projects to augment rainfall over regions such as ours in forest management and water resource development program.

In preparing a long-term 40-year plan for developing and using our precious water resources, I'm convinced rainfall augmentation is an approach that should not be neglected, particularly in view of the progressive nature of technological evolution. I therefore encourage the RC&D Council to authorize and direct Mr. Livingston to investigate and recommend how a proposal for such a demonstration project can best be incorporated in the Regional Water Plan he is preparing.

Sincerely,

cc Eddie C. Livingston, P.E.

Paul T. Burnett

tularasa y Plan PF

4-17-98

Eddie -

In your regional water plan, I hope you came across the four years of stream gaging data that of flows of the Sacramenta River that ISC and the City of Alamogordo with the USGS funded in the mid eighties. The city's idea was to divert it at Alamo camyon or at some other point. The flow was significant and the water wasn't being used.

Proty

SE WIK have resongh to advant home nesidents and none water consuming it my. Citizens micht bo on estion with he should popula ourselves to by your sport, purvise out of water, and have none onsected making the Alternatives section on PG6 of this section the Mayor or City MANAGER. CONSERVATION COMMENTS Your "conservation Alternatives" section on be 6 of this section Source As it it was written by the Mayor or City wanteen. Conservation Source As it it was written by the city government; is A FRICE.

As stated in your Anticles And by the city government; is A FRICE.

Conservation of per household the mone the material the atility out conservation of conservations and property of the conservations and the perfect of government. The atility out conservations is no Appropriate government, make the conservations and the conservations of connect near perfect to more water conservations. AND OUR KIN MORE POLLING UNTIL THERE ITEMS FOR ADDRESSED, NO ONE IS G City Almospho State_ E-mail Jaytime Phone Number 443-725 Address 300 les pobles LET# - STEWSED that we will hims revoish Name Fred



Flood Control -Not Diversion

This is a great idea. I hope I don't blow it.

Alamogordo and Otero County are face with problems of flood control, underground water recharge, and keeping taxes low. Can one idea help with all of these problems both easily and economically?

This simple idea solution came from Mr. Keith Clements of Clements Pump Co. The idea of using retention basins to halt the flow of flood water is generally accepted. Mr. Clements idea was to divert flood water from the canyons into the two gravel pits, one of which is west of La Luz and one of which is at South Florida Ave. and Desert Lakes Road.

The gravel pit west of La Luz is large enough to hold all flood water from Dry and Fresnal-La Luz canyons. The gravel pit south of Alamogord can hold all flood water from Marble and Alamo canyons.

This idea is presented for your consideration.

Leon Beck

1300 Dewey Lane

Alamogordo, N M 88310-5556

Phone 437-2606

Email: lbeck@hauns.com

- 100 foot deep per examations



Facts About Water in Alamogordo, NM

- Average Annual Rainfall: 10 inches
- 2. Average Annual Evaporation: 144 inches (12 feet). Desert!
- Alamogordo owns enough Water Rights for about 45,000 people.
- But all of this water can Not be delivered to users in Alamogordo because of our Old, Leaking and Plugged-Up Water Lines; Bonita, et al. We can deliver enough water for only about 40,000 people.
- Our Ground Water Supply is Shrinking and has been Shrinking for many years, because we have pumped Water out of the ground faster than it has been re-charged. Water Tables have Dropped 10 feet in some areas. The Air Force has abandoned several large wells south of town.
- Mountain Water Supplies are Shrinking because of the Drought.
 - Our present population is over 30,000. 7.
- Our little "Surplus" should be Saved for Emergencies and Droughts.
- Purchase and Delivery of more Water Rights will be Prohibitively Expensive, if not Impossible!
 - All Water Supplies are Limited!
 - 11. Population Growth in Alamogordo Must Stop!

Harold C. Reynolds

Hoeold & Reynolding BSF

Alamogordo

437-0961

Facts About Water in New Mexico

- 1. New Mexico is 80% Desert and Semi-Desert. Average Annual Rainfall in New Mexico is 18 inches. Average Annual Evaporation Rate is 64 inches, 5 Feet!
- 2. Every drop of Surface Water in New Mexico is Over-Appropriated! In other words: There are More Water Rights than Water Supplies!
- 3. All of our Underground Basins have been pumped $\underline{\text{Down}}$! Some so far $\underline{\text{Down}}$ that it is barely economical to pump the Water.
 - 4. New Mexico suffers a Net Water Deficit!
 - 5. There is No Surplus Water in New Mexico!
- 6. There is No Free Water in New Mexico! Costs of Water Rights are Rising daily!
 - 7. We will get No Water from other States!
 - 8. Population Growth in New Mexico must Stop!

Harold C. Reynolds 1817 College Ave.

Horold C Reyncolds, BSF

Alamogordo, NM 88310

437-0961

E dhi Sirringston

BRACKISH WATER DESALINATION

The resources are available, the technology is here, the time is now.

Alamogordo can be made to bloom like a rose if it sizes the opportunity.

Tulania

Tilling Commission

The only dependable water supply that Alamogordo has is its use of the unlimited supply of brackish water existing in the Tularosa basis.

The most effective way of turning brackish water into high quality drinking water is by use of desalination.

The only barrier to the use of the desalination process is the high cost electricity. Us of solar energy generated electricity may now now a reduce this cost.

Solar generated electricity is already priced competitively with electrivity generated by conventional fuels in many locations. If you will notice the increase in your bill for natural gas and electricity this winter, you may well conclude that solar energy generated electricity may soon be the cheaper way no qo'. 1.

Alamogordo is blessed with many hours of bright sunshine. Tracking solar panel decks made in Albuquerque will catch the maximum amount of this sushine. Solar tracke maker is Zomeworks...

The only limit to the amount of electricity that can be generated by solar energy is the square footage of collectors you build. Solar energy is the only pollution free source of energy. It is inexhaustible and so far the politicians have not put a tax on it.

Every rose has its thorn.

You may immediately say that the cost of building adequate solar arrays is impractical because of the initial cost.

The age of cheap water is past. Regardless of what we don if we want more good water, we will have to pay more.

If we are forced to spend big bucks on a needed water supply, we should examine all possibilities and picky the one that the will give us the best results over a long period of time.

Leon Beck, 1300 Dewey Lane, Alamogordo, N M 88310-5556

John Marchan

LOOKING AHEAD AT FUTURE POTENTIALIINCOME FOR THE CITY OF ALAMOGORDO

The City of Alamogordo owns several hundred acres of land located northeast of the present city boundary line. This land land has great potential for residential and commercial development.

The use of this land to construct runoff water retention basins would destroy much pf.this potential value.

Potential income from this land could run into millions of dollars.

All other means of runoff water control should be carefuoly considered before building these runoff water reservoirs.

Leon Beck

1300 Dewey Lane

Alamogordo, N M 88310-5556

Phone 437-2606

Another factor to be considered is the danger of retaining a large amount of water above a populated area. Thy sudden release of this water would be disastrous.

1100

Observations onf Mountain Runoff Water from Dry Canyon on north to and including Beaman Canyon on the south.

Land Commen

This watershed runs off generally from northeast to southwest

The watershed is divided just north of Beaman canyon by a high ridge running from Beaman canyon to the west.

Dry canyon watershed is divided into two channels just west of canyon's mouth. The west channel goes southwest to Florida Aventhen west to railroad, then south to an exit to Red Arroyo and west. The east channel goes on a course paralell to the west channel and reaches Scenic Drive and Florida Ave and then winds its way southwest through developed land until it reaches Canal Street and the canal west of intersection of Scenic Drive and Florida Ave.

The Beaman canyon area is divided into three drain areas. nothernmost drain is out of an unnamed canyon just north of Beaman canyon and parallel to it. This is the northernmost drain area which is south of high ridge coming out on the nothern side of Beaman canyon. This area also flows to the southwest: The water from this canyon crosses the city pipe line and comes out at Scenic Drive just west of the Christ Community Church. Seaman canyon flows southwest to the city water line over a 500 foot front and reassembles just east of Christ Community Church, goes southwest to Scenic Drive, along Scenic Drive, then diverted to the east and then southwest where it goes under and over Scenic Drive and continues on southwest in two medium large arroyos. I believe that the water from Beaman and the unnamed arroyo to its north in the past have flowed to the abandoned city reservoir. This flow has now been altered by the placement of the city recreation area and goes to the east of this area. The watershed on the southeast of Beaman Canyon develops a considerable flow but joins Beaman Canyon water just east of the Christ Community Church. This is the third drain area

This is geogrphy of the subject runoff area.

Now what to do about controlling flood water in this area. There are many suggested solutions and each has its own merit. The Corps has proposed a catch canal running east to west just north of Christ Community Church. The City has proposed construction of a detention basin suitable to catch runoff water from both Dry and Beaman Canyons. The Corps plan would catch much of the runoff water provided Dry Canyon water could be brought that far south to go into the channel. I believe the city's plan for use of a detention basin would have much merit if a separate detention basin were built for both Dry and Beaman watershed. In order for the Beaman Canyon detention basin to catch most of this water it would have to be built just east of the Christ Community Chruch and would be very wide-unless there is much diversion of the unnamed cayon and Beaman canyon waters nearer their mouth.

The Dry canyon detention basin would not have to be built if the Dry Canyon water was diverted under Highway 82 into the large arroyo field on land belonging to the State of New Mexico. The flow of water out of the arroyo field could be stopped at the La Luz Road (know 2/2) as North Florida Ave.)

Phone 477-2606

Leon Beck, 1300 Dewey Lane,

Tulie Water Plan

Eddie Livingston

From:

"jc tate" <tatejohn@nm.net>

To:

<howard.shanks@nm.usda.gov>; <tombarb@lookingglass.net>; <elivingston@livingston-</pre>

associates.com>

Sent:

Sunday, January 21, 2001 6:47 PM

Subject:

water

From: John Tate, CDR USN (Ret) Carrizozo

To: Mr. Howard Shanks Mr. Eddie Livingston Mr. Tom Springer

Subj: RC&D etc

I read with interest the "Water Planning for the Future" insert in the recent Lincoln County News. I take this conservation issue VERY seriously (I invite you to inspect my home for verification), and I think "business should be conducted in a businesslike manner." That is: economics can be the basis for all actions and self-interest IS the basis for economics; but valid self-interest can only be sought and achieved through balanced analysis of valid data.

Permit me to make a few comments regarding the data and issues presented in the insert. (My comments are ordered by subject location in the article.) (By the way, I don't believe the thoughts below are novel. Part of my motivation in listing some of them is to learn why they are not popular or feasible.)

- 1. Rain water is discussed quite frequently but its local, artificial capture is not. Consider these numbers:
- a. Given an annual rainfall of 9 inches and a sample home's roof area of 1200 sq ft (30' x 40' or 20' x 60'), 900 cu ft (6732 gallons) of water is available to this dwelling's residents. Now, that equals 18.4 gallons/day.

I suggest this is roughly 2/3s of a day's reasonable internal DOMESTIC water usage per person. (The addition of a garage or car port will bring us up to a whole personday of water). Therefore I say, cistern incorporation into southwestern home designs ought not to be ignored.

b. Given the same 9 inches of annual rainfall, what if the streets of town X were equipped with gutters and drains that fed not the sewer but a reservoir? Could this be an economically useful source? What if such a design were planned into all new towns or town extensions or subdivision sites?

- 2. At page 2 it is stated that "[1] arge bodies of saline water resources underlie the basin...." (Two other assets we enjoy are solar and wind power.) Subsequently microfiltration and reverse osmosis methods of desalination are discussed. I suggest two additions to this scheme: first, consider wind and solar power for pumping the saline water to the surface and for powering its purification. Second, I suggest considering "solar stills" as a low volume alternative to filtering. The Navy proved the functionality of solar stills for use in at sea survival kits (water, water everywhere ...). They can be quite passive in design and operation. Could this have a domestic (low volume) application?
- 3. The water use chart at the bottom of page 3 may be accurate; but if so, it demonstrates the vast improvements in consumption possible by educating the public. But the table is not uniformly or coherently labled: is it per day per person? Is it daily for a family of X? In any case, please consider the following:
- a. My home is equipped with 1.6 gallon toilets. They function well for liquid waste. However two flushes are otherwise the norm. The six gallons indicated must be for at most one person-day using a conventional toilet; it could be for one person-day using a water-saving model; it cannot reasonably be for more than one person.
- b. 35 gallons for one person showering is preposerous! It is true that I was schooled by the Navy in efficient showering, but I cannot imagine using even one-fifth the amount listed. (For a simple counter-example you need only plug your tub before showering; the water will at most be a few inches up; hardly the level required for a bath (listed as 36 gallons).) Thus, this must be for multiple daily showers, however extavagant.
- c. I wash dishes (and pots and pans) by hand. I save that waste water for plants (separate from grey water). For a family of four, I use (and then re-use for plants) about four gallons a day. Ten gallons/day ought to represent a family.
- d. Brushing teeth: two gallons. This is patently absurd. One can quite reasonably brush one's teeth with a cup of water. 2 gal = 256 fl oz; at 8 fl oz per cup that means 32 brushings. A family of four @ four brushings per day (after each meal and at bed) is 16 brushings. Thus, even at two cups per brushing we achieve the 2 gallons listed; one gallon is more plausible for a family of four.

- e. Washing hands: two gallons? The same as teeth? I do not understand this figure in any context consistent with those above.
- 4. The data above for domestic consumption makes a strong case for several conservation techniques:
- a. Grey water. A small garden, several trees, or a nominal patch of grass can easily be maintained by grey water. Also, most of the "contaminants" of typical grey water are nutrients for plants.
- b. Composting toilets. Virtually no water is used and waste becomes fertilizer.
- c. Constantly escalating water use fees. Most urban homes and businesses already have water meters. However the cost per unit is flat or broadly stepped. Where is the incremental motivation for conservation? I suggest the incentive to save would be magnified by the use of constantly varying, monotonically increasing, marginal rates for water. (With modern compute time esentially free, this is a trivial calculation issue.)
- 5. The caption with the photographs of an "area of Nogal" mentions the daily consumption of 35 gallons of water by a mature Juniper. This may not be "net" figure. Deforestation in certain areas, most notably Haiti, have had a significant impact on climate specifically rain fall. It is quite possible that these "water guzzling" Junipers, through their cooling effect, in fact result in a net gain in water.
- 6. Xeriscaping could be integrated into zoning and subdivision planning. If I buy a house with a lawn, I'm going to want to keep it up; and I won't want to spend the money to convert to a xeriscape. I suggest the same is true for a home "equipped" with a xeriscape yard. (This is the west; we need to convince folks that converting your piece of it into England or Hawaii isn't wise ... rather, it's an unnatural act.)
- 7. Golf courses! (Dare we touch the sacred third rail?) Have you ever been to the Atacama desert in Chile? I have. they have golf courses there. The greens are fine sand, the fairways are course sand, the roughs are ROCKs! Oh, and the sand traps are sand traps.

Now, I admit that I've only touched domestic uses of water. Non-ranching agriculture and industry are not my areas of expertise. Still, I'm prompted to ask:

Could not hydroponic green houses be made into virtual closed water systems yielding both abundant produce and zilch water consumption?

On a more conventional scheme, couldn't plastic be laid below plant beds to inhibit water loss and plastic sheets be laid along plant rows to inhibit evaporation?

Finally, I'm forced to ask if some of the arguments about "water consumption" aren't misleading. We live in a closed system (the earth & its atmosphere). Do we really "consume" water? Or do we move it from place to place in varying degrees of purity? We may pump the Rio Grande dry before it reaches El Paso (or the Rio Bonito before it reaches Hondo), but have we lessened the world's water? If I pump X gallons from the aquifer and then pump Y gallons of waste water back into the ground, how much have I consumed? (How long before my waste water is purified (100 ft?) and reaches the acquifer (1 year?)?)

For industry and agriculture, what if I instituted a system such that I was billed for (or allotted on my own land) X units of non-exchanged water? That is, for every gallon of pure water that I return to the local (vice global) system, I am not billed. I believe this scheme is now in use for certain applications.

Two thoughts in closing:

- a. The southwest needs to recognize this problem is OUR problem, not the east's or Washington's. Therefore, this is one time the liberal city dwellers and the conservative ranchers had better sit down together and work together for a balanced, sensible resolution.
- b. Mr. Shanks, you're listed as having a Carrizozo address. I'm sorry we've not met. But I invite you over any time for a cup of Navy coffee and a visit. (Of course, Messers Livingston and Springer are also invited when in the area.) I'm located 2 miles south of Carrizozo at the intersection of US 54 and county road A5 (the house with the WINDOWS).

Sincerely, /s/ John Tate

PS I've got good! water, straight from the pump ... thanks be to God.

file

TULAROSA BASIN REGIONAL WATER PLAN QUESTIONNAIRE

How do you think w	e should meet our future wa	ter demands?
Please rate the following; 1 being the highest priority 5 being the least.		
	Conservation of existing sup	olies
	Treatment of saline ground v	vater vater
	Improving our watersheds	
	Controlling population growth	ו
	Repair Bonito pipeline	
	Other – Please list	
What is the greatest	concern you have regardin	g our water resources?
Please prioritize your concerns from the list, 1 being the greatest concern.		
	Water quality	
	Water right laws	
	Water costs	
	Import/export of water	
	Growth/development	
	Other	
Please feel free to fill this out later and return to either of the following address		
South Central Mountain RC&D Council P.O. Box 457		Livingston Associates, P.C. 500 Tenth St., Suite 300

Alamogordo, NM 88310

Carrizozo, NM 88301

TULAROSA BASIN WATER PLANNING COMMITTEE MEETING RECORD

DATE:
PLACE:
TBWPC MEMBERS PRESENT:
ORGANIZATION:
APPROXIMATE NUMBER OF ATTENDEES:
MAJOR COMMENTS AND RECOMMENDATIONS FROM ATTENDED

Comment Form Tularosa Basin, Sacramento River Basin, Great Salt Basin Water Plan

Date Place	ee	
Name Rep	ame Representing	
I want to comment about (please c	heck one of the following):	
☐ Conservation or Use of Water	☐ Acquifier Recharge or Depletion	
☐ Cost of Water	☐ Surface Water	
☐ Population / Growth	☐ Ground Water	
☐ Quality of Water	☐ Effluent / Wastewater	
☐ Rights / Regulations / Policies / Enforcement	☐ Storage or Distribution of Water	
☐ Other	☐ Use of Technology to Enhance Water Supply	
☐ Suggest consideration of an alternative or an issue ☐ Strongly recommend an action or policy		
Thank you fo	r making the effort to comment.	

... Tularosa Basin Regional Water Plan

100 Uses for \$1.00 Worth of Water (1,000 Gallons)

1.	Drink 8,000 glasses of water		
2.	Take 80 showers		
3.	Take 20 baths		
4.	Make 16,000 cups of coffee		
5.	Flush the toilet over 600 times		
6.	Wash hands 200 times		
7.	7. Wash over 140 loads of dishes 3. Wash over 20 loads of laundry		
8.			
	Wash your car 40 times		
	. Make plates of spaghetti		
	. Make bowls of frijoles		
	. Water house plants		
13.	. Make ice cubes		
	Water a backgard garden for a year. (100 sq ft 16 inches)		
>	* 1 mbileulas has land language		
1	* contributed by faul Burnett		
	I		

Gloria Vaugha

Tularosa Basin Regional Water Plan

100 Uses for \$1.00 Worth of Water (1,000 Gallons)

1. Drink 8,000 glasses of water	
2. Take 80 showers	
3. Take 20 baths	
4. Make 16,000 cups of coffee	
5. Flush the toilet over 600 times	
6. Wash hands 200 times	
7. Wash over 140 loads of dishes	
8. Wash over 20 loads of laundry	
9. Wash your car 40 times	
10. Make plates of spaghetti	
11. Make bowls of frijoles	
12. Water house plants	
13. Make ice cubes	
14. Junimina Pools Home - City - Base	
15 dish Promits - Janes	
16. Road Construction) = Frankl Rits -	
17. agriculture - Ranchers - Ristaclipo, Recars, etc	
18 Gall Course	
19. Pules	

WATER SUPPLY AND DEMAND SURVEY

Would you kindly fill out the survey shown below? We are finishing the Tularosa Regional Water Plan and would like to include the data in order to highlight the specific water issues that the individual communities face at this time. The information that you have at hand will probably be sufficient, so no extensive research is required. Estimated values would probably suffice. If you already have some documentation relating to your water issues, we would appreciate getting a copy.

Thanks

Tom Springer, Chairman P.O. Box 1361 Cloudcroft, NM 88317 682-3040 tombarb@lookingglass.net

SURVEY

1.	Current Population (Year 2000):		
2.	Estimated Population (Year 2040):		
3.	Water Rights: a. Community Surface Water (amount, points of diversion*): b. Community Supplemental Wells (points of diversion*): c. Community Production Wells (amounts, points of diversion*): d. Domestic Wells (number of wells and locations*):		
4.	Current Water Supply (from the above listed sources): a. Community Surface Water[amounts, quality (TDS value only)]: b. Community Supplemental Wells [amounts, quality (TDS value only)]: c. Community Production Wells (amounts, quality [TDS value only)]: d. Domestic Wells [quality range (TDS values only)]:		
5.	Estimate of historical supply (amount that you might recall was available from the above sources during times of higher precipitation [by categories listed in 4 4b, 4c, and 4d]:		
6.	Current Water Demand (Year 2000):		
7.	Estimate of Water Demand (Year 2040):		

^{*} Please use the map supplied by mail to indicate the approximate points of diversion for surface water and/or wells.

Tularosa Basin, Sacramento River Basin and Great Salt Basin 40-Year Regional Water Plan Small Water System Survey

1. N	lame of Water System:		
2. A	ddress:		
3. C	ontact:		
4. P	hone: Fax:		
5. N	hone: Fax:_ lumber of residential meters:	Active:	
6. N	lumber of other meters:	Active:	
7. T	otal residential water use in 1998:	gallons	
8. T	otal other water use in 1998:	gallons	
9. Is	s your supply ground water?		
10.	Gallons of groundwater pumped in 1	998:	
11.	Number of wells in system:		
12.	Total ground water rights:	Acre-feet/vr	
13.	Is your supply surface/spring water?		
14.	14. Amount of surface water diverted in 1998:		
15.	Number of surface water diversion p	oints:	
16.	Total surface water rights:	Acre-feet/yr	
	Do you envision your system expand		
	How many additional meters do you		
in	the next 5 years? 10	years?	
2	the next 5 years? 10 0 years? 40 years?		
19.	Are residents moving in or out?	***	
20.	Is growth due to retirement, jobs, rur	al living or other? (circle)	
	-	,	
Plea	se complete form and return to:		
Livin	gston Associates, P.C.		

Livingston Associates, P.C. 500 Tenth Street, Suite 300 Alamogordo, NM 88310

439-8588

OROGRANDE PUBLIC HEARING

40,000 / Day

8-10 / Winter

Population - 62

42 Meters

Check 1990 water use

TIMBERON PUBLIC HEARING

3/28/96

SAC RIVER / CARRISA SPR USES:

* DOMESTIC CONSUMPTION

- Pop. (P.O., Ph. Otero Co.) (<500)
- Raw water storages <u>+</u> 350

* RECREATIONAL

- Fishing / camping / hiking / hunting
- Trout ponds
- Golfing
- Swimming pool
- Horseback riding
- RV parks

* EMERGENCY

- Hydro study (NMSU)
- Fire fighting?

* COMMERCIAL

- Tourism
- RV parks
- Laundromat (1)

* INDUSTRIAL

- Fish hatchery

* BASE FLOW

PUBLIC MEETING

HIGH ROLLS 4-2-96

COMMENTS

- Is depletion an accurate description?
- Water rights issues / non-government involvement
- Well construction SEO reg's enforced?
- coming led strata / water
- not enforced
- Need detailed hydrologic study for Basin
- Conservation? no current plan

PUBLIC MEETING TULAROSA BASIN WATER PLAN ALAMOGORDO

COMMENTS

- 1. WATER <u>SUPPLY</u> ELEMENT OF STUDY? DEMAND LIMITED BY SUPPLY. SUSTAINABLE SUPPLY.
- 2. METHOD OF CHECKING DATA <u>PRIOR</u> TO ACCEPTANCE BY PUBLIC?
- 3. WATERSHED MANAGEMENT NEEDS TO BE ADDRESSED.
- 4. RETURN FLOW FIGURES ARE NOT ALL "REUSEABLE" DUE TO LOCATION OR RETURN AND QUALITY.
- 5. HAFB WATER USE WEBS DIVISION MUN/INDUS. ETC.
- 6. PLAN NEEDS TO BE UPDATED REGULARLY.
- 7. QUESTION POPULATION.- TOO LOW NOW.

NAU - FOREST VEGETATION CONSUMPTION / SRP - CORONADO

- 5. How acct. for PWS and wells?
- 6. Is SEO going to meter Dom wells?
- 7. How project useage that requires a new permit?

TULARÖSA/SACRAMENTO BASIN 40-YEAR WATER PLAN FIRST ROUND PUBLIC HEARING COMMENTS VILLAGE OF CORONA - NOVEMBER 28, 1995

- 1. Purchasing 2 old El Paso Gas water wells
- 2. Connecting Lines (2 miles)
- 3. Claunch Pinto Studies
- 4. Watershed treatment needs to be investigated
- 5. No WW treatment plant
- 6. Population Projections? Tularosa Basin population drops more than Pecos.
- 7. Need more responsible county zoning.

TULARÖSA/SACRAMENTO BASIN 40-YEAR WATER PLAN FIRST ROUND PUBLIC HEARING COMMENTS VILLAGE OF TIMBERON - DECEMBER 6, 1995

- 1. quality good all surface
- 2. problem dollars needed for infrastructure
- 3. sleeping giant will boom when road gets improved in 1997 2000.
- 4. road 1997? maybe highway dept. just out in summer.
- 5. unplatted areas 2 sections, (52,000 + platted lots), (will need to go to county for subdivisions)
- 6. check with phone company/power company for last years growth rate.
- 7. flow rate carrisa spring? some USGS monitoring
- 8. water storage for future use needed
- 9. carrisa springs source good
- Basil Smith study -North American Land Development - John Mobley
- 11. base flow in stream?
- 12. sacramento lake recreation.
- 13. water rights, don't know how many have.
- 14. hydro power? May be able to generate power.
- 15. sac lake fire fighting, recreation lake storage and seepage
 4 lakes in district need liners (\$25,000 each)
 7 lakes potential 45 ac-ft water storage 500,000 gallons

TULAROSA/SACRAMENTO BASIN 40-YEAR WATER PLAN FIRST ROUND PUBLIC HEARING COMMENTS VILLAGE OF TULAROSA - DECEMBER 4, 1995

- 1. Population Projections? How Obtained? Accuracy?
- 2. Federal Water Rights? Are Feds taking water rights for themselves?
- 3. Beneficial Use policy <u>contradicts</u> conservation (by "use or lose") and planning for <u>maximum</u> needs. Have to use water anyway if your farms are fallow or under economic hardship.
- 4. Include precipitation data/weather patterns.
- 5. Obtain well drillers information get USGS/SEO water level data.
- 6. Tularosa is on moratorium due to H2O shortage.
- 7. What about excess surface water not being used. Flood and storage of off season flows.
- 8. Water rights history and research.

TULARÖSA/SACRAMENTO BASIN 40-YEAR WATER PLAN FIRST ROUND PUBLIC HEARING COMMENTS VILLAGE OF CARRIZOZO - DECEMBER 8, 1995

- 1. If Bonito line is abandoned will Nogal/Carrizozo still get their H2O?
- 2. Population decrease does not make sense.
- 3. Find out reasons for population decrease/increase 1990 1995 (retirement community).
- 4. Currently do not use sewerage effluent. Overflow goes to Valley of Fires Ranges. (From evaporating ponds)
- 5. Any conservation measures No.
- 6. Golf course east pond leaks (would hold rain water storage)
- 7. 80-100 gpm water use (approx. 1 million gal./mo.) Summer run 2 wells 75% of time
- McBride well east of town.
 Salty well tried to plug off.
- 9. Superfund Site: Cyanide (gold leaching) was pumped into SAS system EPA stopped (BOR oversite).
- 10. 20 30 miles of livestock piping put in each year.
- 11. Spring S.W. of Oscuro (Malapair Spring Brackish) on WSMR -White Sands (Pupfish live in endanger species)
- 12. Water Level Decline?

TULAROSA/SACRAMENTO BASIN 40-YEAR WATER PLAN FIRST ROUND PUBLIC HEARING COMMENTS VILLAGE OF OROGRANDE - DECEMBER 11, 1995

1. 100 years age of pipeline 42 miles

military - 60,000 gpd circle cross - 30,000 gpd usps -

- 2. leakage/age/freeze
- 3. city cooperation/general users
- 4. funding
- groundwater good quality/sand filter
 45,000 gpd I5-20 gpm 100,000 gallons storage (need more)
- 6. first 5 miles worst upper section
- 7. 100,000 gpd rights use 40,000 gpd
- 8. juniper reservoir (lower) 6" good 4" above encrusted
- 9. 3,000' replaced \$8,000 \$9,000, \$2 3 million to replace
- 10. slow growth or no growth
- 11. 4 lane highway impact growth?
- 12. good source 4 miles range camp johnson water source

TULAROSA/SACRAMENTO BASIN 40-YEAR WATER PLAN FIRST ROUND PUBLIC HEARING COMMENTS CITY OF ALAMOGORDO - DECEMBER 19, 1995

- 1. Question ownership of water and ability to transfer water.
- 2. Question population growth.
- 3. Lack of water may limit growth.
- 4. How can the influx of people be estimated.
- 5. Base projections on utility or telephone hook ups.
- 6. More conservation practices implemented.
- 7. Study possibility of desalinization.
- 8. Question population projection for Alamogordo.
- 9. Look at the impact of vegetative change (in watershed) on water yield (ie; removal of "high use" plants).

Public Comments

APPENDIX

2.2

PUBLIC COMMENT SUMMARY

Over the six year period of time since the first phase of the Tularosa Basin RWP began a large number of public comments have been received, both verbally at the meetings and by means of written responses to questionnaires and newspaper articles. In addition, there were extensive suggestions provided at the regular meetings by visitors. In order to be able to analyze such a large number of inputs without reading every written comment in detail, an attempt has been made to categorize the comments into a relative few number of topics. The results of this categorization are shown in Appendix 2.2 in the form of a small-print, four-page summary.

The first column of the Table indexes the comments by an index number which makes it easy to refer to a particular type of comment, key word, meeting place, or date.

The second column lists the type of comment made by the person who attended the meeting or wrote a letter or note. In general, the comment related to passing along information that the attendee was personally familiar with at the "grass roots" level, or consisted of an observation, a question, a suggestion, or probing into the purpose of the RWP. Some people were clearly advocating a particular slant to the RWP that might be of benefit to them or, at least, not harm their water situation.

The third column, probably the most valuable, contains one or more key words in the comment that was made. This key word can allow a sort to be performed in order to determine the most frequently cited areas of concern. For example, the topic of population or, especially, growth in population appears relatively often, as do comments on water supply, demand, and solutions to the shortages of water being experienced in the area.

Columns 4, 5, 6, 7 and 8 provide the date of the meeting if it was noted; the name and address of the person who made the comment, if it was made available; identifies whether the forum was a public hearing (meeting), a mail-in comment, or a response to a newspaper article; the number of people who were in attendance at the meeting; and, finally, the place of the meeting, respectively.

The 9th column lists the number of major comments that were provided at each meeting or in each letter or note. For example, about seven major comments were offered at the meeting in Corona as shown by Index Numbers 1 through 7.

Finally, the tenth column provides the highlights of the comments themselves. The latter information was used throughout the preparation of the RWP to the extent possible.

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Comment	Purchasing 2 old El Paso Cas water wells,	Connecting Lines (2 miles)	Claunch - Pinto Studies	Watershed treatment needs to be investigated	No WW freshment right.	Dominion Beninshing patter	r phuatuni riojetuoir i maiosa basan populauon grops more train recos.	Need more responsible county zoning.	Population Projecions? How Obtained? Accuracy?	Federal Water Rights? Are Feds taking water nights for themselves?	Beneficial Use policy contradicts conservation (by "use or lose"") and planning for maximum needs. Have to use water	anyway if your farms are fallow or under economic hardshin.	Include mention data function returns	Invalue pro-principle and profits and prof	Colami wen chimers information - get Oocas see water jevel gata	Tularosa is on moratorium due to water shortage.	What about excess surface water not being used. Flood and storage of off-season flows.	Water rights history and research	יו מיי ויויין אין מיי מיי וייין אין אין אין אין אין אין אין אין אין	quanty - Rood - an surface	problem - dollars needed for infrastructure	sleeping giant - will boom when road gets improved in 1997 - 2000	road - 1997? Maybe - highway dept just out in summer	translated among an applicate last full and the translation.	mipative decreases a security (22,000 + 1015) (Will lifed to 20 to county for subdivisions)	check with phone company/power company for last years growth rate.	thow rate - Carrisa Spring? Some USGS monitoring	water storage for future use needed	Carrisa Springs source - good	Basil Smith study - North American Land Develorment - John Mohley	has flow in stream?	Company of the second s	Sacintellon Lake - recreation	water rights. Don't know how many have.	hydro power? May be able to generate poweer.	Sucramento Lake - fire fighting, recreation; lake storage and seepage; 4 lakes in district need liners (\$25,000 each); 7 lakes	potential - 45 ac-ft; water storage 500,000 gallons	If Bonito line is abandoned will Nogal/Carrizozo still get their water?	Population decrease does not make sense.	Find out reasons for nomination decrease function 1905 feativement community.	Currently of not use sememore extensions are a form ones to Vollan of Blue D more Brown amountains and a	A new content of the	Any conservation interaction (1) and (COUL COURSE EAST DOUIG FEATS (WOULD FROM WRITE STORING)	80-100 gpm water use (approx. 1 million ga/mo.); summer run 2 wells - 75 % of time.	Metinde well - east of town; salty well - tried to plug off.	Superfund Site: Cyanide (gold leaching) was pumped into SAS system - EPA stopped (BOR oversite).	20-30 miles of livestock piping put in each year.	Spring S.W. of Oscuro (Malapaii Spring - Brackish) on WSMR - White Sands (Pupfist live in endanger species)	Water Level Decline?	100 years age of pipeline 42 miles; military - 60,000 gpd; Circle Cross - 30,000 gpd; usps -	leakage/freeze	City cooperation / general users	funding	groundwater - good quality / sand filter; 45,000 gpd 15-20 gpm 100,000 gallons storage (need more)	first 5 miles - worst - upper section	100,000 gpd - rights use 40,000 gpd	juniper reservoir (lower) 6" good 4" above - encrusted	3,000' replaced - \$8,000 - \$9,000, \$2 - 3 million to replace	Slow growth or no growth	4 lane highway impact growth?	good source - 4 miles - range camp Johnson water source	Question ownership of water and ability to transfer water.	Question population growth	Lack of water may limit growth	How can the influx of people be estimated?	Base projections on utility or telephone hook ups.	More concernation medical innovated	roce construction in practice in input incident. Study notestibility of desainization	study possibility of desaillization.
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Question population projection for Alamogordo. Look at the impact of vegetative change (in watershed) on water yield (ie; removal of "high use" plants). Water quality is a problem The El Paso Natural Gas Co. wells are in the Tularosa Basin and can be used by Corona but to date money has been a	index. The wells are located 15 miles from the Village, but hook up can be obtained within two miles if money can be found to pay for the connection.	It was suggested that the Claunch-Pinto Study be used for the agriculture portion. It shows the results of controlling pinon- juniper and other brush species.	Cofone has no wastewater greatment plant. The valuage is entarely on septic tank systems. The (Corona) school system is the biggest user of water.	Population projections are a key issue, there is a question whether Unigersity of New Mexico supplied accurate figures.	The new subdivision laws will regulate growth. Water concension does not seem to be an issue in the Corona area	The (Corona) system is approximately 50 years old but improvements have been made through a CDBG grant in the past	15 years.	Atamogordo Daily News Tradune: "Lack or water may one day stagnate grown." Alamogordo Daily News Headline: "Ohischans made to water nlan based on slow county mouth"	Timberon Newsletter Headline: "South Central Mountain RC&D Meeting"	Tamberon Newsletter Headline: "Economic Development Planning Session Held"	Long term groundwater levels are the best direct measure of net depletion in the basin.	Within your time and money constraints, please review and comment on the assumptions on "returns" to the system. My experience in Arizona is that there is virtually no groundwater recharge in basins except right at the mountain front.	the canographics are greated as the public inearing in ration of at least 100,000 by 2035. If the fail to plan for continuing growth the basin will choke. The plan needs to focus on how to catch more of the water that swillable and be continuing growth the basin will choke. The plan needs to focus on how to catch more of the water that's swillable and be	sure the containment system is enlarged and kept in good condition to prevent leakage before the water can be used and then recogled to recharge the hasin. *Note: The nomitation crouds rate of shout? 92, now used that us a soon soon according to	most registers, a counge are onsert. Note: The population growth rate of population in 36 years. So there is an authematical certainly that the normalistic multiplies the area test in doubling the population in 36 years. So there is an authematical certainly that the normalistic multiplies the area of some and are a second and the second of the secon	uar us promanon wat in 10,000 mess ure present the O. B.Owal Brows. It could take 50 years to double, but it will happen some time in the 35 to 50year time frame.	Mr. Livingston: Re your Water Study; Here are some facts and opinions about water in Alamo, Tularosa Basin, New Mexico and the USA: Facts from the State Engineer: 1. Alamogordo owns enough water rights for about 45,000 people.	Our underground water supply in the Tularosa Basin is sturinking everyday, because, for many years we have been pumping water out of the ground faster than it is being recharged. The same is true for most basins in New Mexico.		Every drop of surface water in the state of New Mexico is overappropriated! There are more rights than supplies!	Other facts: I. The Ogalalla Aquifier, a great underground sea of water, has been pumped down to where many farmers can not afford to pump it any more!	2. Water supplies all over the USA are shrinking because of overuse and pollution!	 Pork Barrel Boondolges like the Central Arizona Project are too expensive to be constructed anywhere else! We can't balance the budget and fund boondoggies like this too! 	4. In Alamo: Ranfall 10". Evaporation 12 feet! Per year	Opinions 1. Water rights are too expensive to buy, even if someone would sall them!	2. Desalination will be too expensive for most of us! And only temporary!	 Long-term residents of Alamogordo have prior rights, senior rights, to their traditional amounts of water use at reasonable costs! 	 deenery around residences is necessary because it reduces cooling costs and conserve energy! Energy conservation is an absolute necessity! 	
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RWPComments Update

Public Comments

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	5. Commercial car washes are outrageous wasters of water and energy because washing cars is not a necessity, it is a luxury! Car washes must be phased out in a few years!	6. Present residents of Alamo do not want their water taken from them so that it can be sold to strangers!	7. Taxpayers financial resources are shrinking every day! We can not pay for more water!	8. Perpetual growth is physically impossible because all of our natural resources are shrinking!	9. Growth must stop! We do not want to drink our reclaimed sewage!	10. New technology may help us, but it would be foolish for us to gamble on that now? "Don't count your chickens until they hatch!"	11. The solution to our water problems: stop growth now!	l urge you to recommend in your report that the best solution to water problems, all over the arid southwest, is to stop	growth now! We must recognize our limits! Water conservation is necessary merely to maintain the status quo!	40,000 / Day 8-10 / Winder	Population - 62	42 meters	Check 1990 water use	Domestic Consumption: Pop (P.O., Ph. Otero Co.) (<500); Raw water storages +/-350	Recreational: Fishing? / camping / mixing / muning; Irout ponds; Colling; Swimming pool; Horseback nding; RV parks Emeroney: Hydro study (NMSI): Fire fichting?	Commercial: Tourism: RV parks: Laundromat (1)	Industrial: Fish Hatchery	Base Flow;	is depietion an accurate description	Water ngitis issues / non-government involvement Well construction SEO rects anticreed?- coming led stort / water not anticreed	Need detailed hydrologic study for Basin	Conservation? No current plan	Water supply element of study? Demand limited by supply. Sustainable supply.	Method of checking data prior to acceptance by public? Watershad Menonement treads to be addressed	retension in anafement necession of admission. Return flow figures are not all "reuseable" due to location or return and onality	HAFB water use Webs Division Mun/Indus, Etc.	Plan needs to be updated regularly	Question population - too low now Need to explore ways to more effectively utilize water in Tulanosa greek that nos out in the desert, named to the winter	though the state of the state o	and recreation benefits. This would require diverting water from the niver to an off-site reservoir.	Comment from school superniendent that the school system was the biggest water user in Thiarosa. It is expensive to water narks and ball fields with treated water. Successed delling wells for sunctionantal use or use admissis water from	where pairs are one nears water reason water. Suggested drining wers to supplemental use of use entirent water norm Village treatment plant.	Comments regarding need to improve watersheds in the upper and lower regions.	Comment from Villens treetes that the Dirch commention and Villens and to most with south other and use souther south	Continent from Yange unsee that the Drivit Corporation and Yange need to work with each other and foll against each other to better utilize water in the creek.	Several comments regarding desalination and some concern that wells should be located outside immediate area of Tularosa so that existing wells would not be affected.	Commonst that the executable is the modes about 1 and to each to the first 1 and the first in th	Continent that are containmines in the region should all work together to utilize desaunation water or frest water piped from other areas (Salt Basin or Grapevine Canyon area).	
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RWPComments Update

Public Comments

Routh Binding regair is immortant and installing former ningling to accommodate fithus uniter numling is accomm	Suggested getting biddens in polants are a flarger pipeline (24-30") when submitting bids.	importation of water from other areas, i.e. Sait basin, crapevine Canyon, Carrizozo, is preterred over development of wells in the Tularosa /Alamogordo area.	Village is upgrading their wastewater treatment plant and collection facilities duough colonias grants.	Questioned reliability of data on which we are basing our study Those who lise on river on concerned shout the immare of direction river to a case with 1844 and the immare. I coul and	riose min ire di consolica goodi die impacs of droidig irea to atesavoli. Viat at die dipacs, iego diu enviolimental?	Suggested moving desalination well field to the north of Tularosa to take advantage of elevation (pressure).	Possible new industry in community (carbon recycling). Could use up to 20 million gallons per year. New jail will also increase water use in Carrizzozo. County Commissioner, Bill Schwettman, concerned that demand figures do not reflect influx of tourism. Cited example in Ruidcon that on any otiven weekend the nonlinition awallet in 10 fifth olise. In seconces to Billie comments it should be	noted that the use figures are captured in each community, which includes noted, restaurants, etc. Carrizzzzo residents relaterated the dependence on Bonito Lake water and noted that the railroad has retained some water	rights that might be available for lease that could benefit Nogal and Carrizozo. Comments regarding water rights and some interest in Alamogordo regarding water rights in the Carrizozo area that are not	currently being used. Gary Scott, General Manager, Turberon Water & Sanitation District stated that their main priorities were to install a water transmission line from the filtration plant to the main water storage tank and to drill another well to provide additional water for finding for the transmission line (704.6 Only and will dell well used to see the transmission line (704.6 Only and will dell well used to see the transmission line (704.6 Only and will dell well to see	their own funds. Some residents thought more storage was needed (storage tanks). Cary indicated they have three fakes, which provide storage and first the lakes were subject to evenomental that have have been with howing storage and first more three fakes, which provide storage and first more three fakes, which provide	to reduce seepage. Concerns were expressed about flows in Carrias Spring, which is their main water source had diminnished from 250 ppm	to 120 gpm and other water sources were needed.	Discussed aquifer storage as a possible consideration for spring flows that were not being captured. Concern from residents in La Luz, Laborcita Canyon area regarding Alamogordo's development of their springs, aquifer	rechange, etc. having impacts to downstream users and effect on vegetation (riparian areas) along La Luz creek. A group of	ov or more resudents met in the Lat Luz area prior to this meeting to plan on ways to stop more diversions of La Luz creek. Concern over lack of County control over subdivision development in the La Luz area. Need county land use plan to	protect rural communities around Alamogordo to preserve custom and culture of rural areas. A comment was made that Alamogordo was an "oasis in the desert", indicating that too much water was heim used to	water parks, playgrounds, etc. Need more use of native vegetaation that requires limited water.	Comment that La Luz canyon needs to be metered to determine flow rates.	Need to control saft cedar that is spreading in ripanan areas. Supported the watershed restoration, flood water storage, desalination, aquifer recharge and conservation alternatives.	They also agreed with the need to utilize Salt Basin water for New Mexico's needs. Indicated that their water system was in good shape. The water levels in their wells have not declined since they were	drilled in the 50s. Would like more information related to costs of other alternatives.
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	Lines	Importation, Well locations	Funding	Studies	Storage, Surface water	Desalinization, Well locations 1/23/2001	Gowth	Growth, Population	Surface Water, Rights	Rights	Information Lines, Well locations, Funding 1/17/2001	Storage, Surface water	Flow	Aquiffer, Storage, Flows	000000	Cooperation, Flooreins, August	Growth, Problems	Conservation, Vegitation	Meters, Flow	Vegitation	Vatershed, Storage, Desalinatio 1/25/2001	Lines, Supply Costs
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Analysis of Sacramento Watershed and Tularosa Basin Development

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THE PROBLEM:

There is a growing water crisis in the Sacramento Mountains region today, due to three primary factors: drought, over-forestation, and unwise water use by humans. Precipitation is beyond our control. Therefore we should address the factors we can influence. Over-forestation uses up water because trees draw large amounts of water from the soil and transmit it to the atmosphere. Forest thinning is therefore necessary, but is not the primary subject here. Water use planning and implementation is an area where humans can have the greatest control, and where the greatest problems lie, and hence is the focus of this paper.

The interconnectedness of the watersheds within the Sacramento Mountains and of the underground aquifers in the Tularosa Basin require that any major water development or planning take this mutual dependence into account. Until now, there has been a tendency to analyze only the effect of water extraction on adjacent or downstream users and it is becoming apparent that this incomplete approach has resulted in severe damage to watersheds and upstream flows. Here, we discuss these issues.

BACKGROUND:

The population of the Tularosa basin is predominately located on its eastern side and the western slopes of the Sacramento Mountains. The mountains create a rather abrupt escarpment incised by numerous canyons. Some of these canyons have, or had, prior to diversion, perennial stream systems fed by springs that receive water from rainfall and snow pack arising in the mountains. The Tularosa Basin adjacent to the mountains is filled with at least 2,500 feet of alluvial deposits (gravel, clays, and sand) which act as the primary aquifer for moderately good quality water. In general, westward from the mountains, the concentration of dissolved solids increases steeply. The general flow of underground recharge for the basin fill is from northeast to southwest, and from the mountains to the east.

The mountain creeks contribute to recharge of the underground aquifers in the basin and in the canyons through fractures in rock formations along the creek beds. There is insignificant recharge through soils, because here they are relatively impermeable to heavy rainfall. The points of origin for the creeks are springs and seeps along the mountains. It is important to note that water in the mountains, valleys, and the basin are interconnected hydrostatically; you cannot affect one area without ultimately affecting another.

ADVERSE HUMAN INFLUENCES:

The courts recognized the La Luz/Fresnal watershed as a perennial stream system; however the City of Alamogordo has progressively diverted all natural spring flows into pipelines at their source; the previously perennial flow has been completely destroyed for a period of over eight months of the year and streams now only run at a fraction of their former flows (if at all) for the rest of the year in the La Luz/Fresnal and Alamo Canyon watersheds. The result is to cut off a key source of recharge of waters not only to the mountain aquifers but also to the basin's alluvial underground storage aquifers.

Eliminating the spring flows has also permanently damaged the ecosystem, resulting in the loss of wildlife and the riparian mountain flora. Without the support of flora along the streams, thunderstorms in the canyons cause severe erosion and the city of Alamogordo and adjacent areas will continue to be at risk from flood waters. It is estimated that in a single storm approximately 2500 acre-ft (over 814,628,519 gallons) of water is released from the La Luz-Fresnal canyons, which flows into the desert where it seeps into the soil or evaporates. The amount of fresh water from a single storm is close to the entire current annual production from the diverted springs. The La Luz/Fresnal area gets an average of four such storms per year.

The City's collection systems do not capture rainwater that flows down the canyons. This intermittently abundant rainwater is essentially wasted as it races down the canyons and out into the central basin and either evaporates, or seeps into the predominately brackish underground water storage areas. In spite of the intensity of flows, their brevity prohibits any significant recharge into the alluvial underground storage system. The City has sacrificed quantity for quality and low cost. By capturing water from the springs at a higher altitude, Alamogordo gains purer water with gravity flow and hence free delivery. Those who live locally pay the cost through a damaged watershed, failing wells, and a dehydrated and damaged geology and ecosystem.

Any reduction of fresh water recharge can result in the mineralization and "plugging up" of the dehydrated formations and wells, which will irreversably restructure the subterranean geology in unpredictable ways that are unlikely to be beneficial. Minerals naturally deposit out in such conditions: evidence of this may be seen in La Luz Canyon where numerous hard caliche deposits lie where streams once flowed. Dewatering can result in sinkholes which can damage homes, and be a hazard to man and livestock; sinkholes already exist in the La Luz canyon area near Calico Peak Rd. Further, the loss of hydrostatic pressure, which normally helps to support existing strata, will cause them to collapse, further compressing the formations and making them permanently less permeable. These are potential problems in the Tularosa Basin as well as in the canyons, especially near large well fields.

The City of Alamogordo is also taking a large volume of water out of the ancient alluvial storage system at the northeastern boundaries of the City through its use of wells. This pumping of groundwater is excessive because it removes more water than is being recharged, an action referred to as mining of water. Mining of water at this lower elevation must preferentially draw down the water table in the adjacent mountains, because the lowered pressure caused by the wells is compensated by inflow of water at higher hydrostatic pressure created by gravity acting upon the mountain aquifers (simply put, water runs downhill to fill a void, and "finds its own level"). This effect is evidenced by the large number of wells and springs that have dried up in the mountains. This draw-down will diminish the natural underground reserve currently used by

individual households wells and well-dependent municipal systems such as the Village of Cloudcroft and La Luz. This mining of water can also result in both the diffusion of salts into adjacent fresh water aquifers in the basin, and physical movement of the very brackish central basin water in an easterly direction, so potentially contaminating the basin fill along the mountain slopes, utilized by the City of Alamogordo and numerous domestic wells at the base of the Sacramento Escarpment.

Alamogordo also obtains and shares with Holloman AFB the water from Bonito Lake, fed by a large watershed near Ruidoso. This diversion likely affects other areas of the Sacramentos adversely.

PROPOSED RO SYSTEM & ITS CONSEQUENCES:

The City of Alamogordo is planning a Reverse Osmosis (RO) system designed to exploit easily removed water having low Total Dissolved Solids (TDS). The plan is to construct a well field within the shallow basin-fill area north of Tularosa and east of Highway 54. This RO system will mine vast quantities of water (in the order of 12 million gallons of water per day) and will inevitably draw down the water table throughout the mountains NE of Tularosa (White Mountain Wilderness and Mescalero Reservation) for the reasons just explained. The RO system will have an added effect of lowering the water table all along the basin fill aquifer that runs along the western base of the Sacramento Mountains. It is likely that the highly brackish water in the west of the basin will be drawn eastward into the fresher, shallow basin water table in the well field area. In effect, Alamogordo proposes to dewater the entire mountains and mountain front. Sooner or later, this will affect the cities of Carrizozo, Tularosa, Nogal, Mescalero, possibly Ruidoso and others, as well as isolated households and ranches. Although the City has claimed that the RO plant will hardly affect the water table, it is clear that the claim is based upon untested, and we believe, unrealistic assumptions.

The City of Alamogordo has proposed to make RO water available (at a high cost) to other local communities in need. However, it is evident from the foregoing information that Alamogordo will first create a water deficit, and then offer water for sale in the very areas from which it has removed the water: this plan is unconscionable.

Exploiting water sources to the north where the recharge and hydrostatic support for Tularosa and the city of Alamogordo is located (because these sources are at a slightly higher elevation) is a very damaging and shortsighted idea. Any new system must be designed to exploit the vast water resources to the west or south of the City of Alamogordo. Alamogordo prefers the North, partly because gravity ensures cheaper delivery.

ALTERNATE SOLUTIONS:

A recent study by Dr. Larry November suggests that large volume, low-salinity water can be found south and west of the city of Alamogordo. These "underground rivers" or interconnected areas of increased porosity and permeability (high transmissivity) must be investigated: they offer the highest probability of a long-term solution to Alamogordo's water needs, without creating harm elsewhere. These solutions may be more expensive than the current RO proposal, but only if the hidden costs of the current plan are ignored, including that of long term watershed and ecosystem damage. We have to stop thinking of water as an almost free resource just because it has been obtained without much apparent cost in the past (we are beginning to confront those IOUs now).

Retuning the diversion points in the La Luz-Fresnal watershed from the spring heads to points closer to the outlet into the basin will allow the recharge of already overstressed mountain aquifers.

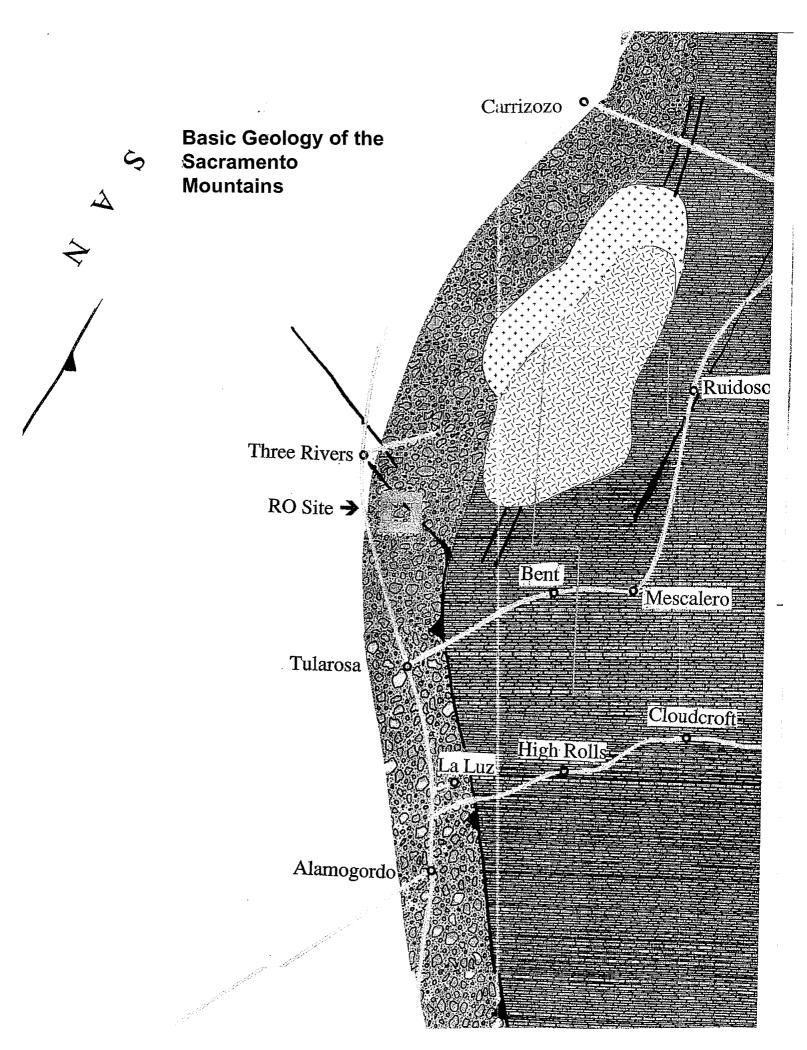
Retention dams must be built in the canyons. Retention dams in the canyons would have many positive benefits to the natural ecosystem:

- Restoration of aquifers
- Erosion control
- Utilization as collection points for domestic water during flood only
- Flood protection for the city of Alamogordo and adjacent areas

Intelligent forest thinning must also be performed throughout the mountain areas. Thinning will allow more snow and rain to reach the forest floor and become part of the water cycle, and less water will be disseminated by trees. Forest thinning will also reduce catastrophic fires and the accompanying watershed destruction.

CONCLUSION:

The bottom line is we can't change drought: we can control forest & water use. We must plan on a regional basis and act wisely, starting right now!



December 13, 2001



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The Sacramento Mountains Watershed Restoration Corporation (SMWRC) is a non-profit, 100% volunteer organization formed by a group of concerned citizens living in Otero County, New Mexico.

The SMWRC seeks to restore damaged watersheds in the Sacramento Mountains, as exemplified by the dried-up La Luz/Fresnal stream system, and by doing so protect residents' water interests and the water-dependent ecosystem. SMWRC supports related issues such as improved local forest management and maintenance of wildlife habitat. We are working within the political and legal framework of local, state, and federal agencies.

As president of the SMWRC, I have attended many of the Regional Water Planning Meetings. I have actively expressed concern for the ecosystems of the Sacramento Mountains and for the concerns of individual well owners throughout the county.

Since early 2001, the SMWRC has expressed to the committee the need to consider public welfare in its recommendations to the State Engineer's Office. The SMWRC supports the following definition of public welfare as drafted by Ms. Consuelo Bokum in her report "Implementing the Public Welfare Requirement in New Mexico's Water Code":

"Public welfare includes, but is not limited to, the following considerations:

- (1) health and safety;
- (2) economic consequences, including impacts on the existing economy and area of origin 151 of water rights, maintenance of traditional rural and agricultural economies, recreation, and external costs;
- (3) encouragement of conservation and discouragement of waste or impractical or unreasonable uses of water
- (4) environmental and ecological consequences, including impacts on fish, wildlife and plants, ecologically critical areas, riparian ecosystems, wetlands, and watershed management;
- (5) sustainability, sustained yield, groundwater recharge, and aquifer management;
- (6) water quality;
- (7) loss of alternative uses of water that might be made within a reasonable time if not precluded or hindered by the proposed application;
- (8) opportunities for reuse of return flows;
- (9) protection and enhancement of historic, cultural and natural resources, and aesthetic values;
- (10) preservation of public and trust lands, water and open space;
- (11) scientific study;
- (12) whether high-quality water is being used when locally available low-quality water would suffice; and
- (13) public welfare as defined in the regional and state plans or by elected officials in land use planning."

The definition is extensive but clearly reflects the need to begin considering non-monetary values as equal in importance. Long-term public welfare goals will mean greater returns to the economic investments made now.

The SMWRC contends that the past actions of the City of Alamogordo of diverting water from spring heads directly into their municipal water system violates the mandate to include public welfare as a criteria in permitting the right to use the publicly owned waters of the State of New Mexico. The environment and the residents depending on aquifers between the springheads and the City's municipal system have been denied the use of waters to which they are rightly entitled. The only justification for the City to move diversion points from the original dam at the mouth of the canyons into the Tularosa Basin was to reduce the cost of water purification. By moving upstream, the City reduced the overall amount of available water to them. Although this may make economic sense to the City, the public welfare concerns are totally ignored and the consequences could be a geologic disaster – the collapse of those aquifers below the springheads.

Public welfare would dictate a holistic approach that would include all plans and programs to develop and maintain watersheds. Forest management, flood control capture and aquifer replenishment, reclaimed water systems, desalination, ground water development, etc. could all be tied in together to offer the best and most appropriate method of water appropriation. Making qualitative assertions based upon quantitative analyses will deny the public welfare its due consideration.

Sincerely,

Rick Warnock President date=2 Dec 01 subject=DYNAMICS OF LARGE AQUIFERS author=Laurence J. November, Ph.D. La Luz Physics, P.O. Box 217, La Luz NM 88337 505-437-8095 nov@nso.edu

SUMMARY

We study a "leaky bucket" model for representing large aquifers. In a leaky bucket, the static water level is determined by the balance of water influx and outflux through the sides. If the influx of water into the bucket is reduced, the water level must go down exposing a smaller surface area and allowing a smaller outflux until a new lower static water level is reached where the outflux balances the influx. In the initial stages of pumping water out of a leaky bucket aquifer, the water-table level should decline at a rate determined by the total volume of the aquifer independent of the influx rate. Only 'after a settling time for the system, which is characteristically hundreds or thousands of years for an aquifer miles across, does the water table reach a new lower equilibrium level where the outflux balances the influx minus the pumping rate. Thus we propose that the gauging of extraction rates in large aquifers be based solely upon the rate of water-table decline. From the size of the Boles subbasin, we estimate that 20,000 acre feet can be extracted with less than a 10 inch static-level decline per year. Acceptable rates of decline that balance water need against well-owner impact must be determined.

1. BOLES SUBBASIN WELL-DATA ANALYSIS

The geological anomaly we call the Boles subbasin has been known since stratigraphic maps were prepared in the early 1950's (see overview by Garza and McLean 1977, US Department of the Interior Report 561). A well-defined subbasin is delineated by a limestone ridge located about 8-12 miles from the mountains running parallel southward from just south of Alamo Canyon to Grapevine Canyon or further south. The subbasin is fresh-water filled alluvial material within about 3 miles of the mountains with 300-700 ppm total dissolved solids with decreasing quality away moving west; it is approximately rectangular in cross section with a 1200 foot average depth and is at least 20 miles in length with a water density of about 0.2. Roughly the basin contains a total of 10 million acre feet of water of less than 1000 ppm, which represents a 1000 year water supply for city of Alamogordo plus HAFB, which combined currently use about 10,000 acre feet per year.

Water was extracted from the Boles subbasin in the HAFB well field at an average rate of about 4000 acre feet per year from about 1960 to

1985. Unexpectedly large declines were reported in the mid 1980's (Morrison 1986), which led to a substantial curtailment of pumping. The report "Analysis of Ground-Water Data for Selected Wells near Holloman Air Force Base, NM 1950-95", (USGS 96-4116) by G. F. Huff replots the HAFB water-table data as well as data from USGS test wells that were operated in the same time frame. The new rendering plots individual well measurements rather than averages and leads to quite different conclusions about the water-table depletion.

A 30 foot root-mean-square (rms) noise is evident in the data in figures 5-11 in the Huff report (USGS 96-4116) with suggestions of long-term trends of comparable amplitude. The 30 foot rms noise in the pumping wells is consistent with the pumping draw down seen in the HAFB wells. Observers do not always follow consistent testing procedures, like waiting for a substantial recharge to occur following pumping to take measurements. The time for a substantial recharge after pumping may actually be months.

While substantial declines were reported in Morrison (1986), it is evident from Huff (1996) that the trend lines are not consistent from well to well even within a single field. In the B field, which was the best sampled, the water table levels for B2, B5, B37, and a USGS test well (17S.09E.25.343, identified here as B103), went up as much as 30 feet over the test period (except that B103 was only measured after 1986); B17 and B34 were constant or down a comparable amount, and the two B USGS test wells were down about 12 and 20 feet respectively (17S.10E.18.432A and 17S.10E.19.323A identified as B101 and B102). Since the long-term trends are not larger than the draw-down noise it appears that the HAFB data can only lend general guidance.

The consistent declines with smaller noise noted for the two USGS test wells B101 and B102 seem more indicative of a real effect. Those two wells show similar looking long-term behavior but with very different 12 foot and 20 foot declines over the period 1960-1985. Even though the test wells were not pumped, their proximity within 0.5 miles of pumping wells puts them in the cones of depression of the surrounding pumping wells. Cones of depression may range up to 10 miles for production outputs. The smaller noise seen in the test wells is consistent with what we might expect for an average over the sporadic operation of the HAFB B wells. The HAFB wells are turned on and off according to water demand or due to technical or preferential constraints on the operators. Draw down due to overlapping cones reflects mainly the rate of pumping, and should not be taken as indicative of declines in the static level for the greater reservoir. The rapid recovery in the water table level seen in B103 after the pumping stopped as shown in figure 10 of the Huff report (if the first data point is to be believed) suggests too that the declines seen in B101 and B102 were mainly proportional to the rate of extraction.

The greater decline seen in B102 was a little less than 1 foot per year during the first years of operation. Taken over the area of the aquifer a 1 foot decline amounts to a large loss of water. The Boles subbasin has an area of about 200 sq. miles or 128,000 acres, and would be depleted 1 foot with an extraction of 25,600 acre feet of water (accounting for a partial water filling for the sediment of 0.2). Extracting 4000 acre feet per year could only have produced a drop of 0.15 feet per year = 1.9 inches per year. Pumping 600 acre feet per year, which was approximately the yearly average for the B well field, would produce a 1 foot drop per year in a 3000 acre aquifer or an aquifer about 4 sq. mile in area, which is larger than the distributional spread of the B wells. A rate of 1 foot per year is about the initial declines seen in the B101 and B102 wells.

The declines seen in B101 and B102 might be taken to place certain constraints on the static water decrease in the outer aquifer. Certainly the smaller static-level decline of 12 feet seen in B101 gives an upper limit for what the static level decline in the outer overall aquifer could have been. Reportedly the water-table level in the Boles-Acres well, located a few miles miles to the south-west of the HAFB B field, could not have declined much during the test period. The electric pump in their well is located about 10 feet below the bottom of its cone of depression, and no depletion effects were ever seen though that well was operated throughout the period.

2. ESTIMATING THE INFLUX

After a long period of pumping with a steady rate of static-level decline, a large aquifer will reach a new equilibrium. In that equilibrium an inner pumping "cone of depletion" forms surrounded by an outer aquifer with a new equilibrium static level.

As water is pumped from a well, new water enters from the sides of the cone of depletion at the horizontal transmissivity velocity for the sediment vh, giving an influx rate into the cone that equals the pumping rate in equilibrium

Fp = f Ac vh = f a pi r dp vh, (cone influx)

where f is the partial water filling factor, Ac is the vertically projected surface area of the cone, r is its radius, dp its depth, and a is a geometric factor that depends upon the shape of the cone; for a cylindrical cone with a flat bottom a=2, and for a triangular-shaped cone a=1.

Estimates for the size of the cone can be obtained in different ways. The initial rate of decline in the well field R(t=0) must balance the pumping rate as described in the section 1.2

 $Fp = f pi r^2 R(0)$.

For the B well field for the period Fp = 600 acre feet per year, R(0)=1 foot per year, f=0.2, to give Fp/R/f=3000 acres, from which we obtain r=1.2 miles. The total time to deplete the cone Tcone must be indicative too of its total volume

Fp Tcone = $f pi r^2 dp$.

Taking Fp=600 acre feet per year, dp=30 feet characteristic of the decrease seen in the pumping wells, f=0.2, and Tcone=20 years, which seems typical of the two USGS wells B101 and B102, gives similarly r=1 mile. Substituting r=1 mile back into Equation (cone influx) with dp = 30 feet and with a=1, we obtain vh = 215 feet per year. While this transmissivity velocity is much larger than estimates obtained using Darcy's rule from the contour gradient, it is in line with more sophisticated numerical models that allow for a distributed water influx (Huff, 2001 private communication).

The properties of the larger aquifer can be understood assuming it to be characterized by a uniform flow of velocity vh down a channel of width W and depth D. Then the total flux is

F = f W D vh.

For the Boles subbasin W=10 miles, D=1200 feet, f=0.2, and with vh=215 feet per year the total flux is F=62,500 acre feet per year.

Initially after pumping begins, the static level in the aquifer decreases to account for the water extracted, but after a settling time, which is a few times the crossing time for the aquifer, it reaches a new equilibrium having a decreased static level; the setting time can be defined

T = 3 W / vh.

Taking W=10 miles and vh = 215 feet per year, gives the approximate settling time T=750 years.

A "leaky bucket" model for the aquifer provides an estimate for the long-term equilibrium static-level decline. Water feeds into the top of a rectangular leaky bucket at an influx rate F, and spills out of the area of the sides the bucket everywhere uniformly. In equilibrium the outflux through the water-covered area of the bucket must balance the influx F. If some water is siphoned out of the top of the bucket too at the pumping rate Fp, then the water level in the bucket must go down exposing less of the bucket outer surface to the outflux. In equilibrium the total outflux Fo balances the net influx F-Fp, Fo=F-Fp. The depth of the water in the bucket is taken to be D without pumping, and Do=D-Dp with pumping from the surface. The rates are proportional to the depths F to D, Fo to Do, and Fp to Dp, so all of the quantities change in proportion

F/D = Fp/Dp = Fo/Do.

or

Dp = D Fp / F. (static decline)

Taking F=62,500 acre feet per year, D=1200 feet, and Fp=600 acre feet per year for the Boles well field, we obtain Dp=15 feet. A static decline of 15 feet seems consistent with the asymptotic decline seen in the USGS test well B101 although the 25 year test period is much shorter than the settling time required for the larger aquifer. Our implicit assumption that the horizontal transmissivity velocity is constant with depth seems consistent with the relative uniformity of composition for the alluvial fill.

3. SUSTAINABLE PUMPING RATES

The volume of fresh water in the Boles subbasin is staggering by any estimate, and the settling time that it takes the system to reach a new equilibrium after sustained pumping is typically thousands of years. Thus the only real impact to well owners in this subbasin or in other larger aquifers is the yearly rate of static decline experienced with sustained pumping. The rate of influx only sets the long-term steady equilibrium level, which can not be reached in our lifetimes or in many future lifetimes.

The following table shows the initial rate of decline R(0) in inches per year for various pumping rates Fp in acre feet per year from Eq. (static decline), as well as the equilibrium static level decline Dp in feet for 3 influx rates, F=25,000, 50,000, and 75,000 acre feet per year. The scale for the whole Boles subbasin of 200 sq. miles is assumed, with a water filling factor f=0.2, and a depth of D=1200 feet.

Fp R(0) Dp(25,000) Dp(50,000) Dp(75,000)

4000 af/y 1.9 in/y 192 f 96 f 64 f 8000 af/y 3.8 in/y 384 f 192 f 128 f 12000 af/y 5.6 in/y 576 f 288 f 192 f 16000 af/y 7.5 in/y 768 f 384 f 256 f 20000 af/y 9.4 in/y 960 f 480 f 320 f

settling times = 3700 y 1800 y 1225 y

The settling times given in years on the chart are just a function of the transmissivity velocity and directly related to the influx. A static level decline of 50 feet might be considered acceptable over the lifetime of a well, say 100 years, or about 6 inches per year. It is important that estimates of declines in the static level be widely

publicized, so that new wells are drilled making adequate allowance for the expected static level decline.

4. BASIN FLOOD-WATER INFLUX ESTIMATES

We have made informal measurements over the years at 14 Fresnal Canyon Road just below the junction of Fresnal and La Luz Canyons in an approximately rectangular creek channel about 30 ft wide. Typically within an hour after heavy rainfall in the upper canyons a flood front passes moving at about 15 miles per hour with a violently turbid silty flow following, which carries much debris and even large rocks. Large floods range in depth from about 3-5 feet with a flow rate of about 20 feet per second at that location. Typically the depth increases over several hours to about 4-6 feet and then subsides slowly thereafter returning to a normal flow after about 18 hours. An estimate for the average flux is F=30 feet width x 4.5 feet depth x 20 feet / second x 10 hours = 2250 acre feet. The measurements are accurate only within about 30%.

Floods range enormously in size, duration, and number per year. Taking four large floods as typical for Fresnal Canyon gives about 10,000 acre feet per year total flood volume. Fresnal Canyon is fed by about 25 sq. miles of high ground with about 20 inches per year rainfall giving about a total of 26,700 acre feet per year, so floods account for about 35% of the total rainfall. Thus in the 75 square mile source area for either the Fresnal/La Luz/Cottonwood bowl or for the southern Sacramentos, Alamo to Escondido Canyons, we estimate a total flood influx of about 30,000 acre feet per year.

Flood waters exiting the Fresnal/La La/Cottonwood bowl appear to remain in a single channel until past Hwy 54 about 4 miles from the mountains. After that the flow spreads into different channels and may dump largely around the vicinity of the La Luz Gate to HAFB. Flood waters are probably largely absorbed into the ground, as evaporation rates are much less than ground absorption rates, evaporation typically being a fraction of an inch per day off a static surface whereas transmissivity velocities in dry ground are a number of feet per day, and plant transporation rates are quite small too. So that water should be absorbed somewhere, but the distribution seems very uncertain. It is notable that well water quality appears to IMPROVE going down from about 3000 ppm at Hwy 54 to about 1000 ppm west to the La Luz gate of HAFB along Hwy 545. Flood waters from the southern mountains appear to be mainly dumping into the area between the mountains and Hwy 54 into the fresh water portion of the Boles subbasin as no major stream beds cross the highway.

5. CONTAMINANTS

Slight salinity increases of about 10% TDS were noted by Morrison

(1986), contrary to approximately constant levels shown in the USGS report (96-4116) within the noise levels, so the measurement remains uncertain. With a transmissivity rate of vh=215 feet per year, 25 years is required for horizontal migration over one mile. As presumably contaminants must be carried with the water, horizontal migration effects are probably not important with such long migration times. It may be that pumping causes vertical mixing in the aquifer with salinity increasing with depth. With extensive pumping salinity levels may increase and then level off after an equilibrium mixing level is reached.

The upper panels of figures 16-24 (USGS 96-4116) show significant increases in nitrate levels of about a factor of 2 over the 25 year measurement period. Fortunately the base levels of about 0.5 mg/l as N appear to be still somewhat below the range for natural nitrate in river water (standard= 0.76 mg/l as N), and still well below what is considered unacceptable for municipal use (10 mg/l as N). The one well SA1 seems anomalous showing currently about 2 mg/l as N and a factor 3 increase over the measurement period. That well is located at the mouth of San Andres canyon with no established structures in its vicinity, so it seems that the salinity increases seen can only be attributed to the small stream influx. Streams can accumulate large amounts of nitrates from plant matter along their coarse. Such large differences between wells suggests that nitrate mixing is small consistent with the timescales for horizontal migration.

Sanding of wells has been a problem in the HAFB B- D- and SA-fields. Whereas improper handling of sand can lead to deterioration of the pumps, clogging of water lines, and caving in of well holes, good technical solutions seem to be available for avoiding sand infiltration. Alamogordo's two large storage tanks at the base of Alamo Canyon might provide adequate control storage if new wells are drilled in the Boles subbasin.

6. CONCLUSIONS

The volume of fresh water in large aquifer subbasins in the Tularosa Basin besides just in the Boles subbasin suggest that there are many possibilities for Alamogordo plus HAFB to obtain their current 10,000 acre feet per year or more without causing undue hardship to particular well owners. However allocation guidelines set by the NM State Engineer have led to an extreme imbalance in impact. Whereas no declines are reported in any of the large subbasin aquifers like the Boles subbasin, water-table declines of more than 50 feet per year are reported in the vicinity of the village of La Luz. Alamogordo is able to obtain only about 3,500 acre feet per year from the entire La Luz/ Fresnal watershed, which appears to be the main source that feeds the aquifers near the village of La Luz. Their diversions leave the streams dry with much adverse effect on wells in the canyons, on the environment, and for livestock grazing. At the

same time volumetric estimates indicate that 10,000 acre feet per year could be taken from the Boles subbasin without causing static level declines of more than 5 inches per year.

Flood influx estimates for the Boles subbasin and influxes from transmissivity velocity estimates of about 50,000 acre feet per year appear in general agreement. While such estimates are subject to large uncertainties, they also are really unimportant, as the influx only sets the equilibrium static level which is not reached for hundreds or thousands of years. With proper analysis especially around the pumping cones during times of high pumping much more accurate data could be obtained on the water influx and its distribution.

To: The Regional Water Planning Committee and LIVINGSTON ASSOCIATES, P.C. Consulting Engineers Alamogordo, New Mexico 88310

Reference the Draft of the 2000-2040 Regional Water Plan

As a member of the Public Land Use Advisory Committee of Otero County, I am concerned that the Draft Regional Water Plan lacks adequate details on two important subjects that you have touched upon but have failed to adequately investigate and elaborate on for value in the final Draft. Retention ponds and aquifer recharge by injection have both immediate and long term benefits and problems associated to them.

The retention pond concept has been utilized throughout history along water flow paths and flood plains. They have been constructed to catch and restrict the uncontrolled water flows from large and small watershed areas to the benefit of aquifer and ground water recharge, agriculture, livestock and wildlife use, maintenance of riparian areas and flood control. With the seasonal flooding in this region, we need to utilize this method to control the excessive flows. Floods cause irreparable damage to property, both public and private. Groundwater recharge to aquifers is lost because the water runs out to the flats where it is wasted due to mixing with the large body of polluted water located there. This can be avoided by the construction of retention ponds at regular intervals from the upper reaches of the watershed drain areas to the lower reaches along the flow path. The long-term benefits from using retention ponds will be aquifer and ground water recharge, more water available for consumptive use by residents and wildlife, and minimal damage to life and property.

Bureaucracy has directly caused the deterioration of our forest and watershed areas because of past forest management practices. Most of the degradation has resulted because of lack of action or just plain neglect. The concept of aquifer recharge by injection wells sounds good on paper but I perceive serious problems that need be investigated before continuing otherwise, irreversible damage to the aquifers, water in storage and compression, collapse or migration of the subterranean materials in the area may be caused. Thorough investigation and adequate testing by verifiable and scientific means need to be made before considering the utilization of this method of water storage. Continuous testing at regular intervals during the term of this practice will also be needed to detect any impacts, immediate or long-range changes caused by the injection process.

Otherwise this practice can cause realignment, redistribution or disturbance and changes in the layers of materials in the vicinity adjacent to and in the aquifer below the surface creating damage of greater value and consequence than water storage achieved makes it worth.

The Armour Research Institute has reported dissolved solids content from 672mg/l to 1,700 mg/l and sulfate content from 112mg/l to 799 mg/l in the La Luz creek. Supposedly untreated or partially treated waters of poor quality injected into the proposed Aquifer Storage and Recovery system can irreversibly contaminate it. Irreversibly means forever in this situation. Regardless of the so-called treatment, the water injected can never be certified safe or the same as the aquifer waters. No one can guarantee that it will remain in the specific aquifer or basin thereby preventing contamination and damage to other inner connected aquifers or basins. This problem cannot be shrugged off without considering the legal consequence. Who stands for the liability and responsibility of this damage, the City, the plan developers, or no one? Are there scientific studies available to confirm that the water will be adequately retained in this specific aquifer and basin? Will the water migrate and not be retained in place for recovery? If the need is for additional storage why not construct additional safe surface reservoirs and leave the existing aquifer alone?

It is apparent to me that the Regional Water Planning Committee has failed to acknowledge and follow the guidelines as outlined in Title 16 U.S.C. Chapter 18, Watershed Preservation and Flood Prevention and Title 33 U.S.C. Chapter 15 Flood Control. Therefore, in my opinion, the final draft is not adequate much less complete.

Respectfully submitted

PO Box 1586

Alamogordo, N.M. 88310

1-505-437-7116

December 14, 2001 3001 Fifteenth Street Alamogordo, N. M. 88310

Reference: The Regional Water Plan

To Concerned Individuals and Organizations:

Light rains in the Sacramento Mountain Canyons work their way into the soil up in the Canyons. They find their way into the lower aquifer areas similar to the way that snow melt gently releases water to be absorbed. Heavy rains result in surface accumulations that exceed the capacity of the surface areas to absorb them and the runoff causes erosion and damage in it's paths. The potential recharge to ground water aquifers from these runoffs is lost. The water races down the west Side of the Sacramento Mountains in flood proportions and comes to rest mixing with the saline water in the center of the Tularosa Basin where it becomes unusable.

Light rain in the Alamo Canyon areas result in beneficial flows in the Alamo Springs collection and pipeline system. Recharge of area water wells, especially in the Boles Well Field area, also occurs. Heavy rain creates large runoff flows, which become a flood threat to the south side of the City of Alamogordo, the Golf Course and the Airport. These heavy flows do not produce beneficial recharge to the aquifer areas.

Development of involved canyon areas with a series of stair stepping retention ponds to hold the water and allow it to be absorbed at a slow rate, closer to that of snow melting, would create more beneficial aquifer recharge. This would also help in the management and reduction of the flood threat, damage, and erosion.

The 2007 North Diversion Ditch portion of the Alamogordo Flood Control Project relates to the Regional Water Plan because it is still in the planning stage. Consideration needs to be given to placing stair stepping retention ponds at various points coming down the canyons from the upper elevations of Dry, Mule and Beeman Canyons. They could be located and designed to allow the captured water to slowly seep into the aquifers the way snow melt does and to prevent water from collecting until it runs out of control and creates damage. The large cement diversion ditch (The North Diversion Channel) that the COE currently plans to construct does not accomplish aquifer recharge and the prevention of erosion damage, especially to the County properties in the North Diversion Channel's discharge path. The concentrated floodwaters that are to be diverted off of the city will be directed out onto County properties to destroy them. The City and COE will be evaluating a single large detention dam as a possible alternative to the North Diversion Channel in January 2001. It is to be located at the base of the mountains. The COE has indicated it will not be a justifiable alternative if it costs more than the North Diversion Channel. The COE stated that they will then have to revert to building the North Diversion Channel to collect and concentrate the City's floodwaters and divert them out on to destroy private property in the County.

If smaller stair stepped retention ponds are developed in the canyons beginning at higher elevations and coming on down the canyons as part of the watershed development on National Forest Property, they will negate the need for the massive North Diversion Channel. With cooperative effort and planning now, this can be integrated into the Forest Restoration and Watershed Restoration and Management efforts and the funding for the City's flood control project reduced and/or shared. The benefits of

increased groundwater in the aquifer will be realized as a bonus. This flood prevention effort is recommended as the best solution. It will reduce overall costs and prevent the destruction of County properties that will receive the forces of the diverted floodwaters.

The recommendation to integrate efforts for watershed improvement to minimize run off and accomplish flood control while improving the groundwater recharge is the way to go. Private property should not have to be destroyed to save money for a Flood Diversion Project. It is important to study and follow the procedures outlined in U.S. Code Title 33, Chapter 15 – Flood Control and Title 16, Chapter 18 - Watershed Protection and Flood Prevention. The North Diversion Channel portion of the Alamogordo Flood Control Project is currently in the study phase. Full cooperative consideration needs to be made by all agencies involved in the Forest and Watershed Restoration, the City of Alamogordo and the U. S. Army Corps of Engineers immediately. All future flood control projects should be engineered with consideration and efforts to improve our land and water resources. With cooperation, we can minimize damage to our ecosystem and accomplish all of the available benefits.

Construction of the North Diversion Channel (Ditch) of the Alamogordo Flood Control Project is scheduled in the year 2007. Data has been collected and considerations for options are to be discussed in January 2002. The government procedures for the U. S. Army Corps of Engineers (COE) provide for the participation of the Agriculture Department in the development and funding of flood control projects to protect our topsoil and environment by preventing flood damage and erosion. We need to request that the COE participate with the Agriculture Department and the other government agencies involved in our ongoing Forest and Watershed Restoration. Specifically the COE needs to reengineer the Alamogordo Flood Control Project to eliminate the \$9.4 million dollar North Diversion Channel and develop stepping retention dams or ponds up and down the Dry, Mule and Beeman Canyons to accomplish flood prevention. By working with the Forest Service, the Agriculture Department and other government agencies and following existing government procedures to minimize erosion and surface destruction they can create beneficial recharge of the aquifers at the same time and accomplish the necessary flood prevention in a cooperative effort that is less expensive. Maximum benefit can only be realized if this approach is integrated into the ongoing Forest and Watershed Improvement and Maintenance efforts.

Since the Regional Planning Committee has not invited the COE to participate in the Regional Water Plan or any collaborative interdisciplinary effort, I will forward this request to the COE and ask that they meet with County Officials in January and consider the changes outlined to you and documented in this letter. It is my belief that it is essential to get all agencies to follow the NEPA Procedures and those outlined in U.S. Code Title 33, Chapter 15 - Flood Control and Title 16, Chapter 18 - Watershed Protection Flood Prevention and get involved with Forest and Watershed and Flood Prevention and Control, to help bring about maximum improvement and benefit to our watershed.

Monroe A. Curtis

Monsoe a. Curtis

Chairman Otero County Planning Commission

(505) 437-3324

Watershed Preservation and Flood Prevention 12/13/01

U. S. Code Title 16, Chapter 18 - Watershed Preservation and Flood Prevention and U. S. Code Title 33, Chapter 15 - Flood Control.

Examination of the Declaration of Policies for these chapters makes it easy understand that we can apply the intent of Congress to our particular situation in regard to the watersheds surrounding us. It is also easy to see that the Corps of Engineers has been negligent in prosecuting Flood Control for Alamogordo (see attached synopsis).

The Interstate Stream Commission has the task to investigate and discover means to maintain, improve and manage our streams and watersheds to the end that we will realize improved water sources and reserves, thereby improving the quality of our environment.

If we implement the best available science and interdisplanary skills of capable entities and funding avenues, we can and will achieve these goals.

Now these particular Chapters provide for the means to make a functioning watershed. We desire to retain as much water as possible on the watershed in order to recharge the aquifer by every possible method. Most certainly we should utilize methods that are readily available to us. Title 16, Chapter 18 and Title 33, Chapter 15 provide us with immediate solutions.

With the Federal assistance we can drastically reduce the overall cost per acre-foot of water collected for recharge.

The total amount of runoff realized from the western slope of the Sacramento Mountain range is estimated to be about 86,000 afy. With the restoration of the Forest in progress, this amount will increase. We need to retard this runoff and utilize it to help recharge the aquifer. As a by-product of this action, we would be preserving the watershed and helping to maintain our ecosystem. It also decreases the amount of flood control measures required on the bottom of the watershed (Which is the intent of the aforementioned U. S. Codes).

Forest restoration is a proper management technique and is already in progress. This action of preserving our watershed will only improve our stance of being good stewards and proper managers of our ecosystems.

It is the future that we are planning for, let us be wise in our decisions today so as to preserve our future.

//Signed//
Ted W. Dyer
Vice President
New Mexico Research Institute

Alamogordo was built in a flood plain to utilize gravity to bring surface water to town lots for irrigation. Irrigation water distribution was rotated into the various sub units of the city ditch system. Only a single section of the ditch system had water delivery at any given time. The balance of the ditch system served to collect and drain rain (floodwater) from inside the city limits. Any water collected was then available for any resident to utilize for additional irrigation above and beyond the scheduled and controlled irrigation flows. What was not utilized was collected by the south ditch and diverted west under the railroad tracks to the old city dairy for irrigation of the alfalfa fields. The original flood control ditches at Indian Wells and south of Washington Street protected the city from flood flows from outside the original city limits.

The city diverted the irrigation water from the La Luz & Fresnal Canyons into a new potable water system at La Luz, New Mexico. This water was no longer available for irrigation. The city failed to keep the irrigation ditch system in place to serve a drainage function so the internal rain or floodwater was no longer collected, controlled and utilized. Waters from Dry and Beeman Canyons and the Tays Hocomb Ditch were still collected in the irrigation dam off of north Florida Street but were not productively utilized for any purpose.

Alamogordo expanded outside the early boundaries and looked to duplicate the original North and East (Indian Wells and Washington Street) perimeter Flood Control Ditches further out. Plans were conceived and presented to the citizens for approval, but were evaluated and voted down. This included the previous COE plan in 1988. The COE performed an Environmental Assessment for the entire area surrounding Alamogordo as part of the 1988 plan. That flood control plan was referred to as the "Big Ditch".

Once the Big Ditch was voted down in 1988, the City looked at improving the existing flow paths that were functioning to maximize their capability to drain the area. The floodwater from Dry and Beeman Canyons and the Tays-Holcomb Ditch which had previously been diverted and collected to be utilized for surface irrigation now created a flood hazard. These floodwaters had been collected in the irrigation dam down stream from the potable water filtration and treatment plant that had been built at La Luz so they could not be utilized. Later, the COE ordered the old irrigation dam breached to minimize the flood hazard that existed should the dam rupture. The floodwaters were then allowed to flow out of the breach to the south and fill the streets from curb to curb south into the Indian Wells Ditch. Dry canyon was diverted to the west above the dam site and later some was diverted to the south and into the Indian Wells Ditch. These flows from outside

the city entering the Indian Wells Ditch are what the sheriff photographed and is being used by the COE to visually demonstrate the need for flood control inside the old city. The Indian Wells Ditch has never overflowed into the old city since it was constructed in 1898.

The City contracted with an engineering firm, (Bohannan-Huston) to study and devise a flood control plan ditch for the north part of the city. Bohannan-Huston designed a scaled down north diversion channel similar to the "Big Ditch Plan" which had been rejected by the citizens and voted down. The city engineering department reviewed the existing Tays-Holcomb Ditch, the McKinley (Middle Ditch), and Marble Canyon (South Ditch) flow paths. They were to be left in place and cement lined. Although it was recognized that Alamo Canyon could flood the area south and west of the city it was excluded from the first go around of efforts to improve the existing ditches.

The city then looked for a source of grant money or some way to get funds to pay for improving the existing ditch system and the new Bohannan-Huston North Channel. Senator Domenici answered the request for assistance. He brought the COE back into the picture and proceeded to get funding. The COE looked over the City's plans for the several small ditches. Improvement to the existing Tays-Holcomb ditch was not considered economically justifiable and was excluded from federal funding. The City's plans for the South and Middle Channels and the Bohanan-Huston North Channel plan were justified for federal funding by the COE.

Realizing that they could not get a bond issue passed by the voters for the city's portion of the funding, the city commissioners proceeded to fund the city's portion with the gross receipt tax income. The project was spread over several years to allow for the matching funds to be collected. This allowed the City Commissioners to bypass the voters and accomplish the flood Control Project without the voter's evaluating the plan for approval.

Once in control, the COE failed to adhere to their own guidelines and charter as outlined by U.S. Code Title 33, Chapter15, (Flood Control). This chapter is extremely clear as to what shall be done when the Army Corps of Engineers is involved in a flood control measure. The COE admitted to using the old Environmental Assessment for the 1988 Project for the new 1998 Project. They had failed to perform an update and consider the impact the new plan would have on the private properties in the County. In 1998, the Project Manager Peter Doles stated, "I made a judgment call, and issued a Finding of No Significant Impact (FONSI) to be submitted without investigating or considering the (new plan) impact on private properties in the County". He was to go back and identify

properties that would be flooded in the County. He was to document his findings and recommend purchase of properties to be flooded and to report back to the City and impacted property owners. He was to outline possible changes to the North Diversion Channel part of the project (west side channeling in Section 14 & 23) or a detention dam to control flow volume to protect the private properties in the County from flooding. He was reassigned away from the project and did not keep his promises.

A critical and crucial part of the entire project rested on the ability of the COE and City to construe a Benefit to Cost ratio that would ensure funding approval through Congress. The statistics used were outlandishly fraudulent. The City of Alamogordo's existing flood channels (Indian Wells and Washington Ditches) were not entered into the computer programming at their existing capacity. They were depicted at an abnormal and extremely low capacity to exaggerate the flood threat that the computer program would generate to be encountered at Ninth Street and New York Avenue and Tenth Street and White Sands Boulevard. Thus they were able to falsely justify the funding for the North Channel of the project.

Considerations as outlined in U.S. Code Title 16, Chapter 18 Watershed Preservation and Flood Prevention were not made but should have been. The COE stated that they were restrained to the existing approved North Ditch Plan because of the funding had already been justified and approved.

The COE did not follow the guidelines of NEPA, and totally disregarded the Federal, State Laws, and the Local ordinances governing flood control, collection, concentration, and diversion of waters, consideration of the Human Element, and required involvement of other Agencies. Because of their disregard and violation of established laws and procedures, County properties are to be destroyed. If the COE had involved the Department of Agriculture as provided by law, the preservation of our properties and prevention of land erosion and considerations for improving the watershed could have resulted in improvements. This would have resulted in a win-win solution for the City and the County by overcoming existing problems instead of just justifying funding of a damaging and wasteful cement diversion ditch for a flood control plan.

The COE's non-compliance to NEPA procedures and requirements has caused a gross violation of civil rights of all of the property owners of the Red Arroyo and surrounding area. The property owners of the Red Arroyo area were in meeting after meeting with the COE representatives, as well as with the City of Alamogordo and the County Commissioners, voicing concerns and requesting recognition and corrective action. They also provided suggestions and alternative solutions to this fraudulently construed, improperly and illegally funded and poorly

designed project which were not entered into the record or evaluated as required in the NEPA procedures.

In the comment section of the Environmental Assessment, our detailed and documented inputs, requests for consideration, comments and data were excluded. This represents a flagrant violation of NEPA. We filed and served Administrative Notices to each of the COE project members, City Commissioners, and Otero County Commissioners outlining violations of Federal and State Laws, Executive Orders, City and County Ordinances. The COE's attitude has been that they will do as they please and destroy us in their wantonly cruel manner to implement the fraudulently justified flood control project.

We have had communications and correspondence with the aforementioned parties for over five years. In addition to these agencies, we have also communicated with Senator Domenici, Senator Bingaman, Representative Skeen, Governor Johnson, Lt. Governor Bradley, the N.M. State Engineer, the N.M. Attorney General, the N.M. Environmental Protection Agency, the U.S. Inspector General, the Secretary of the Army, the Director of Civil Works, and the Council on Environmental Quality, NEPA oversight, and their respective staff members.

Something is wrong when a flood control project collects and concentrates the city's floodwaters in a more dangerous and destructive mass than existed when it threatened the city and then spends millions of tax dollars to divert it out to destroy privately owned properties in the county. The North Channel of the Flood Control Project is designed to do just this. The diverted floodwater's destructive force is to be magnified by collection and concentration and then transferred out onto privately owned property. The COE states that they have a court case precedent that allows them to legally do this. A large detention dam has been discussed but may be too expensive to build. Several smaller detention ponds, which are cheaper to build, have not been considered.

Failing to take the proper steps to achieve flood control and prevent erosion and damage to adjacent private properties is not what millions of taxpayer's dollars should be spent on. Destruction of private property is not what Flood Control is about. To do no damage to a neighbor in accomplishing flood control is well understood by the courts and the COE's procedures. Bullying weaker taxpayers with destruction using the government's financial and police strength in order to accomplish flood control for the city in this manner is not the "American Way". Falsifying facts and failing to follow proper procedures to get taxpayer's dollars to fund this project is unlawful and grossly unfair. The "American Way" is to work out a win-win solution to the problems we face or at the very least, to do no damage to innocent third parties.

Installation of several small catch basins or retention ponds at upper elevations in the canyons would benefit the water shed by providing recharge to the aquifer. The Department of Agriculture is required to be involved to help in the development of flood control projects for maximum benefit considering soil The County Planning participation and the erosion and aquifer recharge. Department of Agriculture have been bypassed. The entire western slope of the Sacramento Mountain Range is encountering flood run off. Large amounts of this water can be collected in retention ponds, which will result in improved watershed and aquifer recharge. This will also reduce the soil erosion presently encountered because of wasteful floodwater run off. This project should have been developed considering the big picture and accomplishing these worthy improvements to our environment. We do not need crude massive cement flood diversion ditches to generate destructive forces that cause increased erosion and destruction of our lands while wasting precious water. Retention Ponds would allow us to develop our watershed and bring more water into the aquifers for everyone's benefit.

The Otero County Commission admonished the COE in a meeting between the COE and County on April 3, 2000. The County Commission admonished the COE because they had not included the County in the planning of the flood control project. The County stated that this was a violation of the NEPA process. The COE admitted to being remiss and stated that the County would be included in the future. In September of 2000, the COE called for a planning meeting between the City and the residents of the Red Arroyo, and continued to exclude the County.

Because of this flagrant disregard for NEPA and other specific instances of disrespect of Federal, State, and Local Laws and Ordinances, we keep asking for the involvement of, and direct oversight of all responsible Agencies and Departments regarding the Alamogordo Flood Control Project and the illegal destruction of private properties in the County.

Sincerely

Ted Dyer

Vice President New Mexico Research Institute

Otero County has taken the lead in Forrest and Watershed Restoration. Flood Prevention and Control and Disaster Management are the responsibility of the County to protect the health and welfare of the citizens.

Watershed management is considered as the best option for water in this basin. Records clearly indicate a drought at the beginning of the 20th century. Alamogordo's stream flow records from the La Luz and Fresnal Creeks show that flows were almost twice as high then as now. Less annual precipitation then and more stream flow than now clearly shows that we presently have an unhealthy stream system.

Otero County is of the opinion that more emphasis should be put on improving watershed conditions to increase the yield of water. Best available science and data (ie: Garrett Study) indicates improving watershed conditions through watershed management will increase the yield and have positive benefits to all aspects of a healthy forest as well as positive social economic impact. The cost table should reflect that increasing water yield through proper forest and watershed management will benefit the forest holistically. The County believes the reference in the watershed enhancement section questioning the benefits to the watershed yield should be removed.

With Forrest and watershed restoration already underway, retention dams, ponds and meadows will be developed to prevent flooding due to the increased water yield, which will be realized. These flood prevention measures need to be in place and adequate to prevent erosion and damage. They need to be developed to maximize aquifer recharge to realize the benefits without creating flood damage and erosion as a result of the increased water yield.

All flood prevention and control projects and measures must be developed with County participation and approval. U.S. Code Title 16, Chapter 18 "Watershed Protection and Flood Prevention" and Title 33, Chapter 15 "Flood Control" requires collaborative interdisciplinary cooperation between all local, state and Federal Government Agencies. Considering the work being done on the Forrest and Watershed Restoration, critical attention and effort to flood prevention must occur simultaneously or sooner. Present runoff creates flood hazards for the areas surrounding the base of the watersheds. The increase to Forrest and watershed restoration requires restoration of meadows and open fields as surface water detention areas to reduce the runoff. Construction of retention ponds at different elevations to capture the runoff and accomplish flood and erosion prevention enhances our entire ecosystem and increase the volume of water recharged into the aquifers.

Concerning cloud seeding, planning, implementation and control procedures must be submitted to and approved by the County(s) to be impacted and to the appropriate government agencies. Flood prevention measures must be in place and adequate to prevent flood damage and erosion to properties.

The County believes this plan should recommend and address adequate monitoring of the Alamogordo City Desalination Plan to determine and evaluate cumulative effects on rural residents and agriculture water users.

PENDIX

5.1

Surface Water Rights

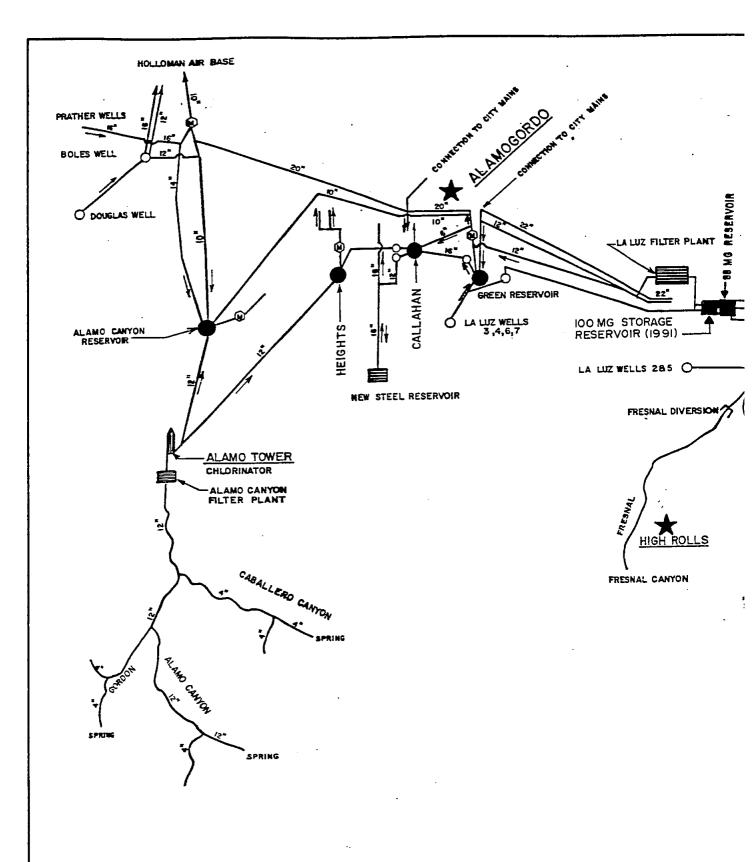


FIGURE ADAPTED FROM <u>CITY OF ALAMOGORDO WATER MASTER PLAN.</u> GORDON HERKENHOFF and ASSOCIATES, INC. ALBUQUERQUE, NM, MAY 1975

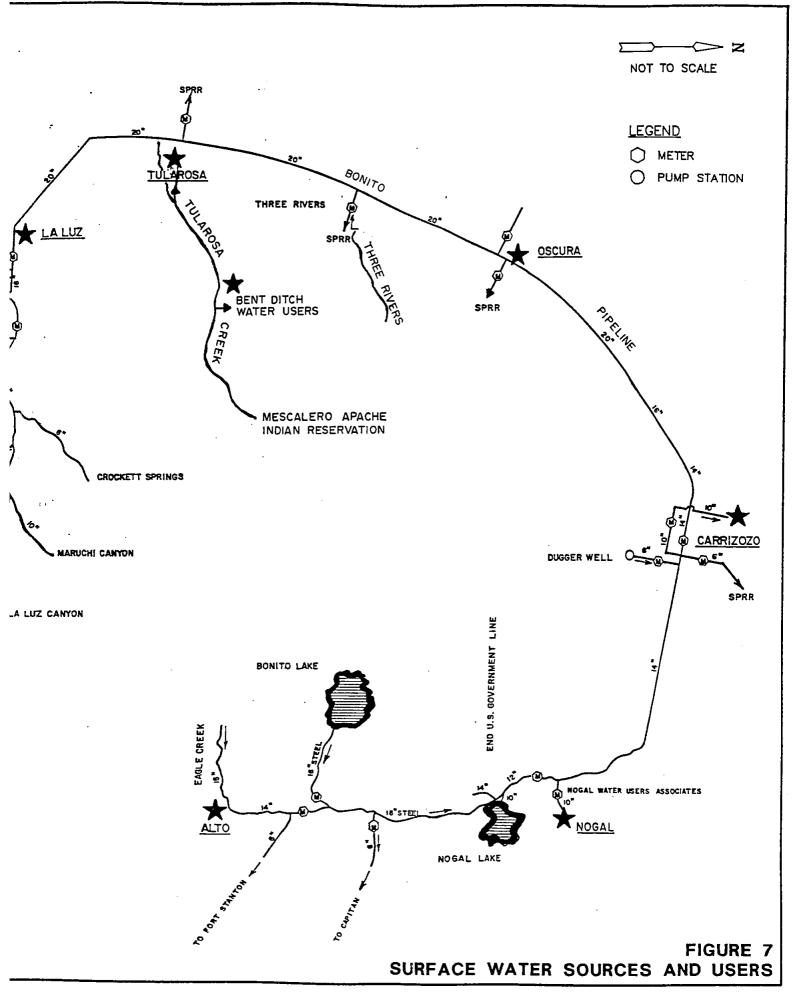


TABLE 8 Surface Water Rights, La Luz-Fresnal Drainage (AFY) (SEO Compilation; Tolisano, 1986)

File Number	Priority	La Luz	Fresnal
XII, 01121*	1866	combines on t	ooth: 11,563**
013, 2245	1866		644.8
02808	1880		3
02584	1880	42	
01578	1881	3	
01579	1881	3	
111	1884	44.3	
IV	1884		41.1
V	1884		12
0919	1884	36	
01409	1884	40	
01118-01120*	1884	596.1	
01383, 01411, 01412	1884		58.8
01562*	1897	50.46	
VII	1901		463.5
V	1901		138
VIII	1901		527.1
IX	1901		165.5
01455, 01456*	1901		120.3
02549	1904		18
01418	1907	6	
02861	1907	9	
129	1908	318	
0181	1908	180	

Surface Water (SEO	TABLE Rights, La Luz Compilation; T	-Fresnal Draina	ge (AFY)
File Number	Priority	La Luz	Fresnai
417	1910	588	
650	1912	165	
779	1913	120	
01438	1926	165	
2192-2194	1937		9
2624	1947	270	
2783	1953		3
2634	1954	422.3	
2869	1955		3
2886*	1956	65.54	1
2959	1958	9	
3242	1970	47.4	
3663, 3680, 3681	1980		2.32
3829	1982	3	
02953	1983	3,183.1	2,209.4
TOTAL		12,147.7**	10,200.32**
* Indicates Alamogord	o right		
** Combined water right and Fresnal to obtain between the two in a	n totals, but in actu	3 afy evenly divided uality, rights could b	between La Luz e distributed

5.2 GROUNDWATER RIGHTS - "In 1931 the New Mexico Legislature enacted the groundwater code, which closely followed the surface water code and extended the state engineer's responsibility to include the administration of ground water within declared groundwater basins. The state engineer may declare a geographical area a groundwater basin when he determines that it has reasonably ascertainable boundaries". (Ref. 11)

Ground Water Rights

APPENDIX

5.2

2711.	THE MAY LAST MANE	FIRST MANE WELL LOCATION DESIGNAT	WELL LOCATION	DESIGNATION	USE	WATER AMT	ACREAGE INST	INST	DRILL DATE
1-1313	URIGHT * WIMBERLY		15510E33	221	SUBDIV.	758 AF/YR			19860602
T-1341	RANKIN	DAVID	18S10E07	400	DOM, IRR, STK	246 AF/YR	8		
1-1656	BARHAM FAMILY	PARTNERSHIP	05S11E28	312	STK	3 AF/YR		PERM	EXPIRED
1-1657	BARHAM FAMILY	PARTNERSHIP	05S11EO4	343	STK				EXPIRED
1-1672	USMR		19S0SE19	214	EXPL.			PERM	19880620
T-1678	DENNIS	ESTHER	17S09E26	321	MOG	3 AF/YR		PERM	EXPIRED
1-1691	BLACK HILLS RANCH		06S08E26	343	DOM	3 AF/YR		PERM	EXPIRED
1-1697	SCHLEGEL	WOODROW A.	05S10E03	310	H00	3 AF/YR		PERM	EXPIRED
1-1745	MILSON	TREV	16S10E05	200	МОО	3 AF/YR		PERM	. 19881101
1-0304	SLOAN SUE CALLAHAN	EDITH JOYCE HELEN	03S09E25	340	STK	6 AF/YR		DECL	1978
1-0303	SLOAN SUE CALLAHAN	EDITH JOYCE HELEN	03S09E36	120	STK DOM	6 AF/YR		DECL	1925
1-0257	HARVEY INVESTMENT		03S10E01	101 3	STK DOM	11 AF/YR		DECL	1930
1-0260	HARVEY INVESTMENT		03S10E08	757	STK	3 AF/YR		DECL	1958
1-0256	HARVEY INVESTMENT		03S10E13	107 4	STK	6 AF/YR		DECL	1930
1-0259	HARVEY INVESTMENT		03S10E27	214	STK	5 AF/YR		DECL	1956
1-0261	HARVEY INVESTMENT		03S11E16	544	STK	5 AF/YR		DECL	1959
1-0918	HIGHTOWER	LAND & CATTLE CO.	03S11E25	414	STK	3 AF/YR		PERM	19840623

Rec ID	ΣI	File Num	Last Name	First Name	Well Location	lise	Water Amt	Acreage	Inst	Drill Date
173		T-0291	Harvey Investment		04S08F10 323	4 t t	4 AF/Vr	•	1000	, 5001
2 0		1 0200					17/17		י בר.	0761
3/0		Z-8870-I			_		IO At/Yr		decl	1962
369		T-0288	Harvey Investment.		04S08E25 132	stk dom	10 Af/Yr		decl	1910
374		T-0292	Harvey Investment		04S08E29 333	stk	10 Af/Yr		decl	1970
331		T-0258	Harvey Investment		04S10E32 131	stk	6 Af/Yr		dec1	1946
1965		T-1715	Langworthy	Vernon Jr.	04S11E26 224	dom	3 Af/Yr		perm	19880830
371		T-0289	Harvey Investment		05S07E02 122	stk	6 Af/Yr		decl	1932
383		T-0301	Gallacher Ranches		05S08E07 340		4 Af/Yr		dec1	1958
382		T-0300	Gallacher Ranches			stk	4 Af/Yr		decl	1960
372		T-0290	Harvey Investment		05S09E03 234	stk	10 Af/Yr		decl	1971
380		T-0298	Gallacher Ranches		05S09E20 410	stk	4 Af/Yr		decl	1950
375		T-0293	Gallacher Ranches		05S09E25 340	stk dom	5 Af/Yr		dec1	1940
384		T-0302	Gallacher Ranches		٠.	stk	5 Af/Yr		dec1	1930
381		T-0299	Gallacher Ranches		6.1	stk	15 Af/Yr		dec1	1920
796		T-0647	Knight	Thomas A.	_	stock	3 Af/Yr		perm	Expd
1149		T-0950	Knight	Thomas A.	_	stk	3 Af/Yr		perm	19850720
1454		T-1212	Bond	Dimmitt E.	_	irr	3 Af/Ac	147	decl	19610000
1455		T-1212-E	N.M.S.H.D.	Temporary	_	Const.	3 Af/Yr		perm	Expd
1456		T-1212-S	Bond	Dimmitt E.	Ξ	irr	supl	supl	dec1	19640000
1453		T-1211	Bond			irr	3 Af/Ac	28	decl	19701000
343		T-0269	Harkey	Howard E.		stk dom	l Af/Yr		dec1	19740805
1767		T-1521	Harkey	Е. І.	- •	dom stk	3 Af/Yr	_	pat	19870720
1457		T-1213	Wilson	Walton	-	dom stk	5 Af/Yr		dec1	19440000
2092		T-1842	Harkey	Howard		dom stk	3 Af/Yr		perm	
378		T-0296	Black Hills Ranch			stk	3 Af/Yr		decl	1940
1707		T-1459	Black Hills Ranch		-	dom/stk	3 Af/Yr		dec1	1900 est.
379		T-0297	Black Hills Ranch		06S08E19 300	stk	19 Af/Yr		decl	1910
376		T-0294	Black Hills Ranch			stk dom	8 Af/Yr		decl	1932
1665		T-1403	Black Hills Ranch		_	don	3 Af/Yr		pmt	expired
377		T-0295	Black Hills Ranch		٠.	stk	8 Af/Yr		decl	1945
338		T-0264	Gallacher Ranches		-	stk	5 Af/Yr		decl	1960
340		T-0266	Gallacher Ranches		~	stk dom	4 Af/Yr		decl	1960
342		T-0268	Gallacher Ranches		•••	stk	5 Af/Yr		dec1	1948
339		T-0265	Gallacher Ranches			stk	5 Af/Yr		decl	1952
2005		T-1755	Bar W Ranch	•	~	stk			dec1	19770704
919	×	T-0742	Christ	Com. Church	-06S10E21	dom			perm	19850430
341		T-0267	Gallacher Ranches		06S10E23 410	stk	5 Af/Yr		decl	1930
337		T-0263	Gallacher Ranches			stk	5 Af/Yr		decl	1950
1758		T-1513	Ballenger	к. г.	-	dop	3 Af/Yr	-	pat	19870528
454		T-0373	Hawk	Ruth A.	_		3 Af/Yr		perm	198307
577		T-0463	Crenshaw	Robert A.		frr dom	100 Af/Yr	Ŋ	dec1	1980
1450		T-1208	U.S.F.S.	Lincoln	06S13E19 112	stk	1.1 Af/Yr		decl	Unknown

Rec ID M	File Num	Last Name	First Name	Well Location	Use	Water Amt	Acreage	Inst	Drill Date
		•			,				;
1436	T-1194	Ferro	Leonard	06S13E20 341	\$	3 Af/Yr		perm	19850800
1955	T-1705	Mixon	Merrill J.	06S13E20 344	Ę	3 Af/Yr		perm	19880907
1137	T-0938	Неумапп	Ivy	06S13E21 111	<u> </u>	3 Af/Yr		perm	19840713
700	T-0318	Pettigrew	David G.	06S13E21 430	go-p	3 Af/Yr		perm	Expired
1336	T-1108	Becker	Ronald & Jennifer	06S13E30 233	don	3 Af/Yr		perm	19850528
1832	T-1582	Siebert	Paul & Linda	• •	irr dem	20 Af/Ac	2	decl	1980
391	T-0309	Bonner	Tom Cathy	06S13E30 440	Ę	3 Af/Yr		perm	19820824
1014	T-0825	Journey	Ed M.	06S13E3Z 120	Ę	3 Af/Yr		perm	19840314
438	T-0357	McKinley	Weldon	07S08E08 320	stk ton	13.55 Af/Yr		dec1	1960
805	T-0654	Shrecengost	Margaret P.		irr	3 Af/Ac	5.6	dec1	1925
908	T-0654-S	Shrecengost	Margaret P.	07S09E19 422	irr stk	supl	supl	decl	1925
803	T-0653	Shrecengost	Margaret P.	07S09E34 242	1rr stk	3 Af/Ac	30	decl	1931
804	T-0653-S	Shrecengost	Margaret P.	07S09E34 242	irr	supl	supl	decl	1931
2008	T-1758 (Bar W Ranch	1	07S10E11 440	don Stk			decl	1900
1418	T-1176	Valley of Fires	State Park	07S10E20 430	drk & san	3 Af/Yr		perm	19850907
1731	T-1488	McBrayer	Mrs. A. J.	07S10E28 200	F. Stk	3 Af/Yr		decl	1920
1732	T-1489	McBrayer	Mrs. A. J.	07S10E28 200	DOM, Stk	3 Af/Yr		Decl	1955
1733	T-1490	McBrayer	Mrs. A. J.		DOM, Stk	3 Af/Yr		Decl	1950
1174	T-0970	Hefker	Jack R. Sharon L.	07S10E28 413				decl	1950
1175	T-0970-S	Hefker	Jack R. Sharon L.	-				dec1	1950
357	T-0276	Siddens	H. Frances		1rr			decl	195101
352	T-0274	Siddens	H. Frances	-	1rr	4 Af/Ac	65	decl	195111
353	T-0274	Siddens		_	irr		65	perm	19840601
354	T-0274-S	Siddens	H. Frances	-	ırr		65	dec1	195205
355	T-0274-S-2	Siddens	H. Frances	-	frr	4 Af/Ac	91	decl	195303
356	T-0275	Siddens	H. Frances	4	stk	2 Af/Yr		dec1	195407
358	T-0277	Siddens	Edward H. Frances E.	•	ırr			decl	195304
862	T-0693	Sunbelt Mining Co.		_	monitoring	test		perm	19830901
1173	T-0969	Hefker	Jack R. Sharon L.	_	ırr	2 Af/Ac	'n	decl	197008
392	T-0310	Garrett	Jack	• ,	Į			perm	19830212
615	T-0492	Garrett	Jack	٠.	trr	3 Af/Yr	2	Expd	
2006	T-1756	Bar W Ranch			stk			decl	1930
1135	T-0936	Callaway	W.M.	•	stk	3 Af/Yr		perm	19840629
1136	T-0937	Gallaway	W.M.	4	stk	3 Af/Yr		perm	expired
2007	T-1757	Bar W Ranch			stk			dec1	1930
1449	T-1207	U.S.F.S.	Lincoln	•••	stk	0.66 Af/Yr		dec1	unknown
1122	T-0923	Cardin Cronin	Jewell V. Nancy A.		ij	3 Af/Yr		decl	19761129
694	T-0559	O Bar O Ranch			don	3 Af/Yr		perm	19830514
807	T-0655	Shrecengost	Margaret P.	-	øtk	3 Af/Ac	61	decl	1930
808	T-0655-S	Shrecengost	Margaret P.		frr stk 60m	Bupl	supl	decl	1930
2009	T-1759	Bar W Ranch			stk	1		dec1	1960
1141	T-0942	Hemph111	Robert E.	08S09E33 230	stk	3 Af/Yr		perm	19841010

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STATE OF THE STATE

Drill Date	1981	19890519	19840620	196508	1077	1001	1944	198009		196806	197507	197804	195307		1976	E C	1056						_		1 19830705	_			19830521			_			_	1 19590000	_	. –	-	•	٠-	•	1 195609			
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Acreage				,	Þ			٣		21	12	: :	17	,	۰ م	7	9	40	- (2.0	2.0	17.0	1 Ac					_	•			002	8						000	007	0 :	310	»=	34		
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Use		COM MILI	Į.	Ē	trt	Ē	.5	11.	Į	1	ırı	irr	irr	frr de	irr	irr de	stk dom	trr do	ŧ	frr/den/stk	trr/dem/stk	trr/dom		! !	f :	5 .	*	#	*	dop	stk de	mnu	Irr, Mun	stk	stk	at k	atk	atk	8tk	ırr	frr fishpond	irr	ırr	H.	1rr	
Well Location			312	08S10E02 lot 3	08S10E02 141	08S10E02 310		-		•		• •		08S10E03 000		08S10E03 200	08510E03 310	08S10E04 310									• •				• •	08S10E14 222		08S10E21 410			08S10E25 300	08S10E31 400			08S11E02 424		08S11E06 440	_	08S11E06 440	
First Name		Cimarron Mining	- E	Choldo F	ollette E	Salvador - :: • tt-::	K.M. J. ray	Jovita H.	Salvador	Arnold or Dorotha	Arnold W.				KOY H.	or hand	W.D. FRALIE	WOODDOM.	Dr. A.N.	Pete D	Fred B.	Fred B.	Albert & Elizabeth	Conception A.	S.B.	William F. Beatrice	uillam F. Beatrice	Montle .1.	utiliam & Helen	Tool ti	moder w.	Town of	100 N & Christine	Jack N. Christine R.	peach Tor-	panch Inc.	Ranch Inc.	Kanen Inc.	Kanch The	Ranch inc.			Robert A.	G.B.	 	G. D.
V Acet	המסך זומוונג	. Consent in	SW FILLELALS U	Boykin	Fields	Ortiz	King	Torres	Ortiz	10000	boyce		Boyce	Boyce	Harman	Carrizozo Schools	LaMay	Schlegel	Spencer	Narvaez	Vega	Vesa	Hernandez	Morrales	no.1.4	boykin St t	Sheenan	Sheehan	Stephens	Baker	Pafford	Lindsay	Carrizozo	Harkey	Harkey	Stephenson	Stephenson	Stephenson	Stephenson	Stephenson	Crenshaw	Crenshaw	Crenshaw	Sidwell	Sidvell	Sidwell
! ?	File Num		T-1723	T-1808	T-0922	T-0473	T-0917	T-0925	7777 I	110477	4781-I	T-0506	T-0506-S	T-0506-S-2	T-0670	T-0505	T-0932	T-0369	T-0270	T-1369	T-1046	T 1046-8	1-1040-2	1-1000	T-0325	T-0874	T-0652	T-0652	T-0697	T-1199	T-0604	T-0513	T-0247	T-1654	T-0857	T-1221	T-1222	T-1223	T-1224	T-1225	T-0255	T-0458	T-0462	T-0254	T-0254-S	T-0254-S-2
	Rec 10		1973	2058	1121	289	1116	1136	47 T T	590	2079	632	633	634	824	631	1131	057	344	1637	1967	5071	1265	1311	904	1068	801	802	866	1441	446	643	314	1904	1048	1465	1466	1467	17.68	1469	228	576	41.5	375	326	327

perm 19820725 perm 19820725 perm 19820722 perm 19820722 perm 197805 dec1 1975 dec1 1975 dec1 1977 dec1 1977 dec1 1977 perm 19880909 perm 19880909 perm 19880909 perm 19860919 perm 19860919 perm 19860919 perm 19860919 perm 19850828 pmt 19850828 pmt 19850828 pmt 19850828 pmt 19850828 perm 19850720 perm 19820712 dec1 197505 perm 19820712 perm 19820712 perm 19820712 dec1 197505 perm 19820712	
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H H	3 Af/Ac 3 Af/Ac 3 Af/Yr
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1110 1110 1110 1110 1110 1110 1110 111	08S13E3Z 344 09S08E25 314 09S08E25 32Z 09S08E26 334 09S08E31 000
Cecilia Cecilia Cecilia Robert A. Paul M. Paul M. Paul M. Paul M. Paul M. Stephen Stephen Stephen Stephen Stephen Stephen Stephen Paul M. Geraldine/Don Rex T. Adaline Edward and Barbara Joe W.M. W.M. W.M. W.M. Ferd Ferd Ferd Ferd Ferd Ferd Ferd Ferd	Fern Sawyer Fern Sawyer Viva A. Frank Viva A. Frank Ross L.S. Jeffery J.
Kuhnel Kuhnel Kuhnel Kuhnel Crenshaw Chavez Chaver Beatty Beatty Beatty Beatty Beatty Beatty Chaver Chaver Chaver Chaver Chaver Callaway Unna Carpenter Carpenter Carpenter Slocum Slocum Slocum Slocum Slocum Slocum Slocum Slocum	Eidson Eidson Keehn Keehn McDonald Drake
File Num T-0328 T-0329 T-0459 T-0490-S-2 T-0490-S-2 T-0490-S-2 T-0490-S-2 T-0490-S-3 T-0490-S-3 T-0490-S-3 T-0490-S-3 T-0490-S-3 T-0490-S-3 T-0331 T-0338 T-1019 T-1072 T-1072 T-1072 T-1073 T-0931 T-0333 T-0334 T-0335 T-0336 T-1209 T-1209 T-1209 T-1209 T-1209 T-1209 T-1209 T-1209 T-1209	T-033/ T-0252-S-2 T-0245 T-0246 T-0244 T-0242
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Drill Date	1950 1975 1956 unknown 1965	1982 1916 1982 1955	19860321 1958 1954 1960 1968 1939 1940	1976 Expd 1973 1981 1981 1981 1973 unk 19851014 1951 pre 195504 1953 unk 1955 pre-1915 Expd 19830523	19830523
Inst	deci deci deci deci	dec1 dec1 dec1	pmt decl decl decl decl decl	beci decil	perm
Acreage			15 10 10	100 100 100 3 Af/Ac 284.1 302.5 302.5 319.8 4	
Water Amt	3 Af/YT 3 Af/Ac 3 Af/Ac 3 Af/YT 3 Af/Ac	3 Af/Ac 3 Af/Ac 3 Af/Ac 3 Af/Ac 3 Af/Ac	3 Af/Yr 60 Af/Yr 60 Af/Yr 192 Af/Yr 40 Af/Yr 10GPH 4GPM 3 Af/Yr	3 Af/Ac 3 Af/Ac 3 Af/Ac 3 Af/Ac 3 Af/Ac 3 Af/Ac 45 Af/Ac 645 Af/Yr 645 Af/Yr 645 Af/Yr 3 Af/Ac 3 Af/Ac 3 Af/Ac 3 Af/Ac 3 Af/Ac 3 Af/Ac	
Use	sth stk & dom stk & dom stk stk	stk stk stk stk	d tri	str. exploratory fir fir fir fir stk stk fir	exploration
Well Location	10S10E02 131 10S10E02 131 10S10E04 440 10S10E05 220 10S10E05 222 10S10E17 343		科馬教科 特	- NNNNN	13S04E11 332
First Name	Lincoln Natnl Forest Ranch Inc.		Lee & Beulah Fred Fred Fred Connie Laura E.	Walter Walter Walter Walter Walter Walter Corp. Corp. Corp. Corp.	
	Cattle Cattle Cattle Cattle	Cattle Cattle Cattle Cattle	:1e		
Last Name	U.S.A. Three Rivers Three Rivers Stephenson Three Rivers	Rivers Rivers Rivers Rivers Rivers	Moor LaMay LaMay LaMay Roberts McKinley McKinley	Three Rivers Cattle Merrick Merrick Merrick Merrick Merrick Three Rivers Cattle Three Rivers Cattle Three Proman Exploration Permian Exploration Permian Exploration Permian Exploration Permian Exploration USDI Three Rivers Cattle	W.S.M.R.
File Num Last Name	T-0262 U.S.A. T-1557 Three Rivers T-1556 Three Rivers T-1230 Stephenson T-1555 Three Rivers T-1553 Three Rivers	Three Rivers Three Rivers Three Rivers Three Rivers Three Rivers	γ	Exp1 -S-3 -S-2 -S-3 -S-3	T-0550-Exp W.S.M.R.

	Drill Date		=	Exnd			-			Expd				. •	•		1066	1001001	19850305	19850903	19890119	19860110	expired	19830126	Expd	1965	pre-1963	1984061	19560701	19850603	19570201	1973000	1080000	1975	19860808	19860325	10021120	130/1120	pdxa	19890324	19820924	1948	19860905		1952	19831012	1970
	TUBE		perm	Derm	ממצי	2700		100	perm	perm	dec1	decl	decl	Joh	der		1000	ן ני	pera	perm	perm	perm	perm	perm	perm	decl	dec1	Derm	dec1	EL de	deci	decl	1000	Dec	part			F 1	perm	perm	perm	dec1	pet	perm	decl	perm	decl
4	ACTERGE										25	40	183,75	1955	supl	<u>.</u>											5		40		40	1.5	.5				_	1				35		•	35		m
Water Amt	1		rest	test	100 Af/Yr	test	test	test	100+	1891			1100CPM		sup1	3 Af/Yr	3 Af/Yr	3 Af/Yr	3 Af/Vr	3 45/22			3 Ar/Yr	3 Af/Yr	3 Af/Ac		3 Af/Ac	3 Af/Yr	3 Af/Ac	3 Af/Yr	3 Af/Ac	10.5 Af/Yr	10.5 Af/Yr	11 Af/Ac	3 Af/Yr	3 Af/Yr	3 Af/Yr			2 Af/V=	31/16			3 At/Yr		3 Af/Yr	3 Af/Ac
Use				expl monitor	E1]	expl monitor	expl monitor	expl monitor		1d 1	TIL 04	111	ırı	irr	ırr	ŧ	Btk		io.		ļ <u>.</u>	3 (40 8	BEK COM	construction		irr san	E	irr	ŧ	frr		a irr	den stk frr	2	ę ę		Ş	den att				#Q#				irr stk men
Well Location		13SOAF18 212		-	_				13S05E27 232	•				-					13SIIE26 134	13S11E26 134																	_		13S11E27 142	13S11E27 200		_					
First Name										F.C.	F. C.	Reinh Don	Harren F Co	D-1-1 D-:	To 1/E 11	arn/ragre	James V.	Esperidon M.	Waldon W & Lil	Dan or Sherry	Dorothy S. Andrew	Darrell	James V.	James V.	James V.	James V	T.Pl.and Rev	W41140m	Northert M	MATTER M.	WRITIA	John J.		nerbert & Lenore	Branch and n	Darrett and Patricia	C1 miny	Jan	Chris	Joe Barbara	Michael L.	E.B.	Joe Ben	Michael L.	1086 I. I. ea	Lisa Joe	
Last Name	:	W.S.M.R.	W.S.M.R.	W.S.M.R.	W.S.M.R.	A X	Z X X		A.C.FI.N.	Stover	Stover	Perry	Yates	Perry	Davennort /Deluce	H+10c	X	Sort	2001100	rannell	Dyke	Turner	Hiles	Hiles	Hiles	Hiles	Nelson	Mauer	Lentz	Mauer	Trentman	Trentman	Spokler	Larkev	Covington	James	X Car	Monday	rielidez	Keinhardt	Davalos	Sloan	Sanders	Davalos	Gallegos	Gallegos)
File Num	E	1-0333	T-0514	T-0550-S	T-0622	T-0621	T-0620	T-0661	T-0021	1-00/1	T-0028	T-0564	T-1797	T-0564-S	T-1754	T-0872	T-1067	T-1175	T-1767	1010	0/71-1	T-1311	T-0371	T-0578	T-0871	T-0870	T-0905	T-0084	T-0943	T-0084-S	T-1383	T-1383-S	T-1534	T-1375	T-1291	T-1594	T-0706	T-1787	T_0313	1-0313	1-0086	T-1392	T~1833	T-0086-5	T-0714	T-0822	
Rec 1D M	848		944	685	797	992	765	815	101	101	500	669	2047	700	2004	. 9901	1287	1417	2017	1520	1520	0/07	452	/1/	1065	1064	1100	112	1142	113	1647	1648	1780	1639	1552	1844	875	2037	305	116	110	1657	2083	117	884	1010	

Rec ID M	File Num	Last Name	First Name	Well Location	UBe	Water Amt	Acreage	Inst	Drill Date
101	T-0822-C	College	14ee Too	13611636 330	Jan. 146	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	•	
1730	T-1487	Cott.			IIN BUK	3 AF/Ac	i	decl	198010
110	T 0006 6 3	Donnalon	Michael	•	Com, mail, com	3 AI/AC	C :	dec.l	1968
110		Davalus	Elchael L.		ırr	4 At/Ac	25	dedl	197709
77.	1-0090	Provencio			111	100 Af/Yr	21	decl	1957
124	T-0090	Provencio			ııı	100 Af/Yr	21	CLOW	19850513
125	T-0091	Provencio	Marcial B.	13S11E28 433	irr		12	dec1	unknown
838	T-0684	Scraggs	Ronald E. D.J.	13S11E28 440	ŧ	3 Af/Yr		der	197210
1685	T-1430	Kirk	Stanley	13S11E28 440	ě	3 Af/Yr		T E	19870102
1946	T-1696	Stockmeyer	Juan	13S11E32 142		3 Af/Yr		1 0 0	19880707
1598	T-1336	Murphev	John	•	ŧ	3 AF/VT			1005001
1848	T-1598	Callahan	Stephen		.g	3 Af/Vr	-	, L	19671136
1861	T-1611	Bird	Travis			3 Af/VT	•	1 1	170/1120
564	T-0450	Davis	Thomas D. Mariorie		tu t	3 AF/Ac	. 0	7 de 1	19870722
1035	T-0844	Brace	Johnnie E.		stk (C)	3 Af/Yr	,	#140	19840525
776	T-0763	Mendez	Johnnie R. Pablo I C	13S11E35 133		2 Af /Ac	=	der 1	1958
1226	T-1009	Anderson	Norman S.	•	į	3 Af/Yr	:		10850024
1227	T-1009-S	Anderson	Nancy S.		i luii B	3 Af/V+			15650100
1242	T-1023	Garcia Gonzales	Trene Ceneva		don don	3 45/2=		her e	1900/100
756	T_0611		Don't Name 1	•	f) AL/ 1E		Toep	1980
007	110011	nernandez	Faul Norvell		100	3 At/Yr		pera	19830630
740	1-0512	N.M.S.H.D.			construction			Expd	Expd
	T-0474	N.M.S.H.D.			construction	3 Af/Yr		perm	Expd
X 6/91	T-1419	NMSHD			Constr	3 Af/Ac		pmt	expired
813	T-0659	W.S.M.R.			expl	test		perm	Expd
1628	T-1366	East	Stanley B	14S09E01 122	ŧ	3 Af/Yr		ont.	expired
26	T-0040	Johnson	J.C.	14S09E10 100	stk den	100 head		decl	1916
179	T-0140	Owens	Harry C.	14S09E10 240	frr		07	decl	19711728
959	T-0774	McNiel	Charles A. Alice J.	14S09E10 314	frr stk dom	3 Af /Ac	10.0	derl	1969
735	T-0594	Holiday	Ira	14S09E10 320	frr	3 Af/Ac	06	decl	197407
736	T-0594-S	Hollday	Ira	14S09E10 320	tt	gup1	8up1	dec1	197407
165	T-0128	White	Hurshel Carley C.	14S09E10 424	irr den		.04	dec1	196610
1092	T-0897	Jones Jones Seth	David S. D.W. Jim W.	_	ırr		20	dec1	1962
953	T-0768-S-4	Spirnock	Andrew P. Martha R.	14S09E11 340	frr	6 Af/Ac	320	decl	1970
951	T-0768-S-2	Spirnock	Andrew P. Martha R.		ırr	6 Af/Ac	320	dec1	1970
966	T-0810	Spirnock	Andrew P. Martha R.	_	stk 60m	3 Af/Yr		perm	19840309
950	T-0768-S	Spirnock	Andrew P. Martha R.	14S09E11 422	ırr	6 Af/Ac	320	dec1	1970
952	T-0768-S-3	Spirnock	Andrew P. Martha R.	14S09E11 430	trr	6 Af/Ac	320	decl	1970
676	T-0768	Spirnock	Andrew P. Martha R.	14S09E11 442	frr	6 Af/Ac	320	decl	1970
135	T-0100	Hust	George T.	14S09E12 314	frr	3 Af/Ac	80	dec1	196002
789	T-0640	Wood	Joseph P. Jr.	14S09E12 444	frr	3 Af/Ac	80	decl	1980
119	T-0087	Mills	W.O.	14S09E13 311	irr den	3 Af/Yr	06	dec1	1954
1128	T-0929	Miller	Woodard C.	14S09E13 322	frr	3.1 Af/Ac	20	decl	1950
1724	T-1481	Potter	Thomas C	14S09E13 420	io.	3 Af/Yr	,	pat	19870406
								•	

Drill Date		1959	1959	198105	19860110	0061	19600824	19/4	1965	expired	Expd	19491006	19710916	unknown	1958	198108	1958	1960	195610	197607	1000015	17650313	1935	1913	19880402	1970	19/1	100001	19660616	19000419	10880213	19880211	10880210	10800210	1088021	1088021	10880720	10800301	19890201	10000301	19690501	19871116	19871117
Inst	1	deci	decl	Toan	per l	יים .	decl	dec	dec1	perm	perm	dec1	decl	decl	dec1	decl	decl	decl	נייים	5	2 2	100 P	dec.	מבנד	par dool	100	Toan	Tod.	ber .	her .				1 0 0	1 100		Por B	1 2 2	perm.		perm		
Acreage	90	200	07 [2	60	3	ç	07	120		;	70	30.0					113	75	30	3	113	677	•	7	0,4	ena Luna	Tano		140	2												
Water Amt		3 46/0-	3 Af/Vr	3 AF/Vr	6 AF/Ac		KO AF/VT	11/14 00	5 At/Ac	3 At/Yr		3 At /Ac	3 Af/Ac		3 Af/Ac	supl		4 Af/Ac		3 Af/Ac	3 Af/Yr		200 head	3 A F /V+	7 Af/Ac	7 Af / Ac	8mm	3 AF/Vr	3 A F / VT			3 Af/Yr		# Af/Yr	3 AF/Yr	3 AF/Yr		# AF/Yr	3 Af/Yr	3 Af/Vr	11/200		
Vse	1		trr den	- 7		ort de			Ĕ 4	•	8TK	ırr					irr &	ırr	frt	Arr	ŧ	frr	8 tr	. Engl		frr	İrr	£	ŧ	tr	Ē	400	Ę	NO#	Į	nop morp	00	- Pole	P Op	wo.p	Cond	Cond	Cond
Well Location	14S09E13 430		_	14S09E14 210		14S09E14 223													14S09E22 232	14S09E22 400	14S09E22 434	14S09E23 112		-		14S09E23 230		14S09E23 242	14S09E23 243	14S09E23 411	14S09E23 433	14S09E23 433	14S09E23 433	14S09E23 433	14S09E23 434	14S09E23 434	14S09E23 434	14S09E23 434	-	14S09E23 443	14S09E23 444	14S09E23 444	
First Name	Roy E.	Jess	Robert J.	Ralph D.	Howard O.	Howard O.	Donald C. Edna Kay	Fov R.P.	B.P. & Wilma	Edward D	Edward D	10001100	rewellyn S.	,	Ernest K. Eloise H.	or n. Eloise	3.5.	Ailen K.	W.H. Jr. W.H. sr.	Ernest R. Eloise H.	Jim & Wanda	Allen K.	J.C. Grace M. Nettle	Walter V.	Ed S.	Ed S.	Ed S.	Donna K.	Barbara	Will H.	Faith	Earl	Darel	Ronald B.	Dona1d	Carlos	David	Librado E.	David L.	Manuelita	Lonnie	Lonnie	Lounie
Last Name	Tucker	Gililland	Marsh	Carrell	Wood	Mood	Hinkle	Nowell Gililland	Gil111and	Hyman	Hyman	Dougharts	Johnson	Tourist I	Total		Journson	Irammell	Danley	Lewis	Danley	Tramme11	Johnson Hall Danley	Peterson	Turner	Turner	Turner	Lewis	Kollars	Cook	McBride	Gump	Evans	Morrison	Free	Montoya	Gonzales	Munoz	Ramsey	Salgado	Nowe11	Nowe11	Nowell
File Num	T-0102	T-0103	T-0469	T-1269	T-0447	T-0108	T-0517	T-0129	T-1110	T-0696	T-0042	T-1055	T-0039	T-0079	T-0979-S	T-00/1	10001	1-0005	T-00/0	T-0041-A	T-1814	T-0085-S	T-0037	T-1641	T-0143-S	T-0656	T-0656-S	T-1681	T-1648	T-0021	T-1651	T-1652	T-1662	T-1784	T-1653	T-1663	T-1704	T-1783	T-1781	T-1/82	T-1658	T-1659	T-1660
Rec ID M	138	139	585	1528	559	144	649	166	1338	865	59	1274	55	1184	1185	5.7	717	100	001	28	7004	11.5	53	1891	182	809	810	1931	1898	24	1901	2061	1912	2034	1903	1913	1954	2033	2031	7037	1908	1909	1910

Drill Date		10871110	12071110	19620203	19/305	1956	197401	1916	19871111	19530212	19790415	1057	1050	066	900006	1943	9750322	EXPIRED	195303	195509	972	9840820	9531130	70001103	cancerred	2/2	Expa 105502	9000	1958	1904	1973	005001	10001	195101	10101	710017	0850828	195106	00100	104504	1,0001	2,50730	19340/10	2077	unknown 194902
Inst	•	made	1	deci	dec.		decl	decl	post	decl				-, ,-	_ •			_	dec1 I	dec1 1			. –	•	-		Perm L		deci 1		•			•	•			_	•	-		7 .	7 -		deci ur deci 19
Acreage				0 71		٥/٠٥	67.5		-	41	7	37			,						01	-	80				70							_					00,00						9 90 90
Water Amt			6 Af/Vr	3 AP/Ac	3 75 A£ /A-	2.7.3 AL/AC	3./5 At/Ac	100 head	3 Af/Yr	3 Af/Ac	7 Af/Ac	3 Af/Yr		3 AF/Ac	AH / H	- AF / C			3 At/Ac		3.1 Af/Ac	3 Af/Yr	3.5 Af/Ac	3.5 Af/Ac	200	3 Af/Vr	3 Af /Ac	7 AF /Ac	7 AF/Ac					3 Af/Ac		7 Af /Ac	3 Af/Yr	3 Af /Ac		7 AF/Ac	3 Af /Ac	3 Af /Ac	20 AF/Ac		3 Af/Ac
Use		Cond		irr i		11.	111	9CK (100)	į.	ırr	ırr	irr don	irr dom		\$		† .		ırı	##	irr	ŧ	irr den	irr	frr	dop	iii	11.	ir.	frr	ļī.	trr	tr	frr	frr	frr	.5	ırı	frr	fri	tr.	1	ir.	<u> </u>	frr
Well Location		14S09E23 444	14S09E24 112							-		14S09E25 132	14S09E25 132	14S09E25 132						•	-			14S09E26 142	14S09E26 200	14S09E26 220	14S09E26 222	14S09E26 222		14S09E26 224	• •	14S09E26 242	14S09E26 242	14S09E26 242	14S09E26 242	14S09E26 400	14S09E26 411	14S09E26 412	14S09E26 412	14S09E26 412	_		_	14S09E26 441	
First Name	•		Donald R. Gregory P.	Jack Barbara L.	Joseph	Joseph	1 C Nottion		1	Mrs. Eloise C.	Artis D.	Dee W.	Dee W.	Paul D.	Roy E.	Tony Lorraine	B 1.	4 4 5	ו מר חבר	rar	Woodard C.	Robert Anthony	Joseph L.	Joseph L.	Harry .	Jacky D.	Ivan	Jacky D.	Jacky D.	Jacky D.	Harry C.	Harry C.	Harry C.	Јевв	Harry C.	Jesse R.	Raymond A.	L.R.	W.R.	Ralph E. Jr.	William G. Mozelle T	William G. Mozelle T		Andrew G.	Јевве
Last Name		Nowell	Mendonca .	Shores	Hanawalt	Hanawalt	Johnson Danley	-	Sutherland	Tour	Tave	Simpson	Simpson	Bates	Tucker	Mendez	Larson	Mirrohy	Mirrh	Main pur	Miller	Chavez	Hutto	Hutto	Owens	Cates	Tucker	Cates	Cates	Cates	Owens	Owens	Owens	Ramsey	Owens	Simpson	Васа	Case	Simpson	Simon	Ritch	Ritch	Guy	Herrera	Simpson
File Num	1771 1	1001	1-1021	T-0723	T-0468	T-0468-S	T-0038	T-1606	T-0015	7-0421	1740-1	1-0009	S-6800-I	T-1262	T-0104	T-0187	T-1139	T-0046	T-00%6-8	7-0030	1-0950 1-0950	1-0900	7200-I	T-0027-S	T-0158	T-0788	T-0123	T-0415	T-0415-S	T-0415-S-2	T-0029-S-2	T-0029	T-0029-S	T-0030	T-0130	T-0169-A	T-1158	T-0001	T-0004	T-0170	T-0061	T-0061-S	T-0159	T-0169	T-0005
Rec ID M	1101	1370	1.240	893	583	584	54	1856	18	578	121	177	771	1520	140	233	1371	94	65	1170	1160	33	5,7	34	197	973	160	519	520	521	38	36	37	39	167	210	1398	_	4	212	06	91	198	509	5.

Rec 1D M	File Num	Last Name	First Name	Well Location	Use	Water Amt	Acreage	Inst	Drill Date
211	T-0169-S	Herrera	Andrew G.	14S09E26 444	<u> </u>	7 45 (4.	e L	•	
902	T-0730	Wilson	Clyde P.		1	7 AI / AC	<u>ک</u> د	decl	1957
96	J-0066	Roach	Valor W	•	111) AI/AC	9	decl	1962
136	T-0101	Owens	Horris	•	777		80	dec]	19560402
137	T-0101-S	Orene	Horas C	•	117	4 At/Ac	80	dec1	1954
131	T-0007	D)01001	narry c.	•	irr	4 Af/Ac	80	dec1	196301
1535	7500-I	DOOROUE	Deral L. Doris M.		irr 📲		80	dec1	1952-53
1313	0/71-1	barnes	John & Lynette	14S09E34 211	frr	225 Af/Yr	45	deci	19710900
1312	I-108/	Hicks	Ray E. & Dee A	14S09E34 221	ırr	i	2.0	doci	1070
99	T-0047	Cooksey	James A.	14S09E34 422	frr	3 Af/Ar	07	4001	105500
1738	T-1494-S	Maes	Lucio		irr stk	126 AF/Vr	3 19	deci	193309
657	T-0525	Bradburn	Earl D. Dollie	14S09E35 110		3 AF/Vr	9	מבנד	1979
1684	T-1426	Madrid	Amador R.	14S09E35 111	? \$	3 Af /Vr		13d	1905025
1737	T-1494	Maes	Lucio	_	irr ath for	126 AF/Vr	0,	par dos1	19861212
1256	T-1038	Torres	Joe H.			3 AF/A0	07 1	Toan	1979
1257	T-1038(D)	Torres	Joe H.		at k	3 Af/vr	0.0	appı	19850327
1263	T-1045	McSwane	Noble I.		1,4	2 AE/A-	(perm	1965032/
1996	T-1746	Anderson	Down or Lattern	•	MOE/TEL/COM	3 AI/AC	2.0	dec.]	unknown
855	T-0689	Michorb	May of paveline	٠,	ę.	3 At/Yr		perm	19881110
856	T_0689 (n)	Mobot	WALLIAM F.	•	1FT BUK dom	3 Af/Ac	30	dec.1	unknown
878	T 0690 T	Miebach	Willam F.		£	3 Af/Yr		perm	19790511
0.00	1-0009-3	Miebach	William F.		frr	3 Af/Ac	30	perm	19850316
750	1-0689-En1gd	Miebach	William F.		frr	3 Af/Ac	20	appl	
11/6	T-0971	Wright	Robert W. Sr.		ŧ	3 Af/Yr	}	מיקין ה	19841016
6//	T-0634	Hayse	John M.	14S09E35 300	ırr	6 Af/Ac	75	der	1065
780	T-0634-S	Hayse	John M.	14S09E35 300	trr	lans	l una	40.1	1068
781	T-0634-S-2	Hayse	John M.	14S09E35 300	frr	[ans	din.	4001	197308
515	T-0413	Howell	Vida Rae	14S09E35 322	tr	3 AF/Ac	rdne VO	dec.	197306
516	T-0413-S	Howell	Vida Rae			3 Af/Vr	Ç (מבנד	UNIVERSITY
88	T-0059	Ritch	Lessie M.		frr	3 Af/Ac	2 6	Tour Tour	1973
	T-0534	Fifer	Robert B.	14S09E35 400	1	3 Af/Vr	3	ן הערד מערד	193500
029	T-0537	Albert	Dale E.	14S09E35 400		3 Af/Yr		n to d	17050211
673	T-0540	Adams	Peter Jr.	14S09E35 400	100	3 Af/Yr		her a	19830303
693	T-0558	Campbell	John	14S09E35 400	doe	3 Af/Yr			19830321
720	T-0581	Hyde	William A.	14S09E35 400	a don	3 Af/Yr			100307.75
721	T-0582	Queenan	Robert A.	14S09E35 400	P P	3 Af/Yr			19830428
795	T-0646	Gleradorf	William A.	14S09E35 400	don't	3 Af/Vr		per i	12020420
797	T-0648	Tidwell	Fred L.		100	3 Af/Yr		perm	17030031
816	T-0662	Frye	David	14S09E35 400		1 Af/v-		מיום ו	10010101
1043	T-0852	Permenter	Charles E.		- C-	3 Af/Yr		perm	19830527
1868	T-1618	Bass	Connie Jo	14S09E35 424		3 Af/Vr	-	Pet E	15040350
1621	T-1359	Markland	David		1	28 Af /Yr	-	Part Part	19600204
1952	T-1702	Germann	Rene or Deborah	14S09E35441	de stk frr	46 Af/Yr	٠,		0710191
82	T-0056	Freake	Ronald	14S09E36 112		3 Af/Ac			1979
						***	7		17070403

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Drill Date	73.7.2	1954 /	1954	1954	1954	19840901	19871208	1935	1955	1058	1966	1953	1953	197108	•	19880829	Expd	Expd	19890512	1950		19820326		19870814	19880304	19880324	19860122	19870319	unknown	19860915	1951	19720908	197207	19870822	19820403	expired	Expd	19841026	19880318	19770330	19810608	19711108	19711221
Inst		dect	decl	derl	der	Derm	pat	decl	dec 1	dect	deci	decl	decl	dec1	Derm	perm						decl		pit:	pat.	put.	perm	pet	decl	part	decl	dec1	dec1	CLOW	dec1			ретв	_	_	decl	deci	decl
Acreage		\$	80	01	2	01	-	80	100) 	100	160	160	40						180	10	5.5			1	-			20		160	160	160	'n	5				-	5	10	'n	2
Water Amt	 	3 Af/Ac	3 Af /Ac			3 Af/Ac	3 Af/Yr	3 Af/Ac	3.75 Af/Ac	4 Af/Ac	3.75 A£/Ac	3.75 Af/Ac	3.75 Af/Ac	7 Af/Ac	3 Af/Yr	3 Af/Yr	3 Af/Yr	3 Af/Yr	3 Af/Yr			5 Af/Ac	24 Af/Yr±8	3 Af/Yr		3 Af/Yr	3 Af/Yr	3 Af/Yr		3 Af/Yr		4 Af/Ac	4 Af/Ac	30 AF/Yr	7 Af/Ac	3 Af/Tr	3 Af/Yr	3 Af/Yr	3 Af/Yr	7 Af/Ac	5 Af/Ac	5 Af/Ac	5 Af/Ac
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First Name	" Janelson	TOTAL UTTER	Fred	Leo Karen	Manuel Viola	-Manuel Viola	Guadalupe	Lila E.	н.с.	Charlie L.	н.с.	H.G. J.S.	H.G. J.S.	W.D.	Carmen B.	Inez	James	Jim	Jimmy	R.D.	Jerry C & Frances L	Murphy M.	Marvin	Mike & Virginia	Mark	Pat & Anne	Robert A.	Samuel A	Warren D. Mary F.	Joseph	R.D.	Don C. Linda R.		Tommy or Temmy	William J.	Toumy & Tammy	John D.	William	Tony	Donald V.	Donald C.	Robs N.	Fred L.
Last Name	4. 100 0 0 1 - 1 - 1 - 1 - 1 - 1	basater	Lasater	Reyes	Reyes	Reyes	Gallegos	Juul	Hanawalt	Harris	Hanawalt	Hanawalt	Hanawalt	McGracken	Васа	Hagan	Germany	James	Germany	Champion	Walker	Marvin	Murphy	Lopez	Schmidt	Turi	Willingham	Talley	Thomas	G11111and	Champion	Blackstone	Tularosa Farms Inc.	Gililland	Lock	Gililland	Morton	Lawrence	Sanchez	Horick	Hensley	Burleson	Parker
File Num	T 0056	9500-1	T-0052	T-0052-A	T-0052-B	T-0052-B	T-1567	T-1010	T-0504	T-0503	T-0504-S	T-0467-S	T-0467	T-0152	T-1835 ^	T-1727	T-0610	T-0607	T-1817	T-0024	T-0024-A	T-0510	T-1806	T-1562	T-1624	T-1630	T-1271	T-1468	T-0650	T-1382	T-0022	T-0157	T-0156	T-0024-B	T-0454	T-1198	T-0527	T-1011	T-1636	T-0194	T-0426	T-0141	T-0142
Rec ID M	60	6 :	7.5	76	7.7	78	1813	1228	629	628	630	582	581	191	2085	1977	755	752	2067	27	28	049	2056	1808	1874	1880	1530	1714	799	1646	25	196	195	30	570	1440	629	1229	1886	240	533	180	181

Drill Date		198010	10700705	1077	7/61	197809	19720415	19830608	19870530	1011	1951	expired	1976	19830810	19860507	1972	19870601	10770670	10730620	1772026	1930	77,003.75	19870104	1955	197808	19841015	19761200	195101	1945	196801	196805	195012	19831114	6111000	1051	19670512	100/061	1930	19//0120	19831107	19840217	1951	19820803	19541231	19550205	1967	1951
Inst		dec1	dorl	4021	nec.	decl	dec1	perm	. E	1	Toen	perm	decl	perm	perm	dec1	Pert	derl	100	dect	קיין קיין	Toan	pat	dec1	decl	perm	dec1	decl	dec1	dec1	dec1	decl	Derm	appl	decl	der.1	100	קטין קיין	Toap	perm	perm	decl	perm	decl	dec.1	decl	decl
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First Name	William I Sr		· .	Julia	James B. Julia C.	Dean	Larry Don	Doimond	Raymond	R.D.	Dean	Albert	Ншех	10.0	1000	r.r. billie	John	Sam H.	Sam H.	Toumy or Tammy	Wesley Corine	Darren	Rov .I.	· · · · ·	t - 1t t	courrey K. Famera b.		Nettie J.	,	K. Eloise	Ernest R. Eloise H.		John J.	Robert M.	George T.	Rowena Dale	Dan M.	George B. Mabel M.	Harry Y.	Leonard S. Linda	Toron F	n-11f	HOTTIE	Julian	Julian	Lloyd C.	Julian
Last Name	Defmler	Date :	Lay.	Lloyd	Lloyd	Davis	Kellv	C a E C S	23,00	Champion	Davis	Sainz	Smith	Flint	D4.0hh::::	Singing	Comez	SHICH	Smith	Gililland	Weehunt	Weehunt	Beanblossom	Roadrunner Ranch	Cordona	Doi: 0.00	Detailer	Dantey	champion	Lewis	Lewis	Johnson	Mirabel	Ortiz	Hust	Swope	McGuire	Fisher	Yanaga	Ellison	Bates	None	Morrison	Mortinos	December 1	verry	Marcinez
File Num	T-0801	T-0149	T. 0012	1-0212	1-0213	T-0427	T-0601	T-1477	T_0033	1-0023	T-1059	T-1640	T-0687	T-1314	7-0215	T-1/01	T 0170	110140	1-0148-A	1-0024-B	T-0/00	T-1425	T~0105	T-0973	1-1002	T-12/6	T-0010	T-0016	T_0082	T-0982-C	T-0001	T-0014	T-0/62	1-0400	0700-1	T-04/2	T-006/	T-0191	T-0726	T-0796	T-0057-A	T-0378	T-0443	T-0057	T-0580	T-0057-6	6-/COO-1
Rec ID M	986	189	268	007	607	534	246	1720	76	1020	6/71	1890	841	1573	272	7521	187	001	007	67	600	1683	141	1178	1219	1492	21	31	1188	1189	17	706	580	200	683	938		757	836	981	82	097	555	78	730	2 4	3

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Drill Date	19841031	19561108	197603	19851116	19810915	19820827	19820826	19810415	19810215	19800315	19820415	19810201	19820415	19790801	19790815	19820402	195906	19890403	195212	197205	19720328	1972	1945	197608	19860424	195102	195501	19560210	unknown	19730702	19530415		1953	19520116	Expd	195306	Expd	19870327	19491116	195308	1955	19830308
Inst	perm	decl	decl	Derm	dec1	Derm	0.0	decl	decl	decl	decl	decl	decl	dec1	dec1	decl	decl	Derm	decl	decl	decl	decl	dec1	decl	perm	decl	decl	decl	dec1	dec1	decl	pera	dec1	decl	perm	decl	perm	pmt	dec1	dec1	dec1	perm
Acreage		10	'n					2		ı		-		2	· 67	m	1		57.00	22	~	2	25	20.0	70	20	70	45	32.465	1.5	1.5	29.000	40	18.352		80			40.0	70	80	
Water Aut	3 Af/Yr		5 Af/Ac	3 Af/Yr		3 Af/Yr	3 Af/Yr	7 Af/Ac	7 Af/Ac	3 Af/Yr	3 Af/Yr	7 Af/Ac	3 Af/Yr	7 Af/Ac	7 Af/Ac	7 Af/Ac	28 GPM	3 Af/Yr	3 Af/Ac	3 Af/Yr	3.5 Af/Ac	16 Af/Yr		3 Af/Ac	3 Af/Ac	3 Af/Ac	3 Af/Ac		3 Af/Ac							3 Af/Ac	3 Af/Yr	3 Af/Yr	3 Af/Ac		3.5 Af/Ac	3 Af/Yr
Use	į	ırr	trr don	ŧ	5	dob	do.	frr	Irr	1	Ę	ırr	1	frr	frr de	ırr		1	trr	frr de	ir.	frr en stk	irr	irr den	irr	frr	ırr	ltr	ırr	irr stk deg	tr	frr stk den	trt	ırr	stk den	irr	stk dom	Ş	ırr	ırr	frr	*
Well Location	14S10E20 300	14S10E20 421	14S10E20 440	14S10E20 441		14S10E21 200	14S10E21 200	14S10E21 200	14S10E21 200	14S10E21 200	14S10E21 200	14S10E21 200	14S10E21 200	14S10E21 213	14S10E21 220	14S10E21 220	14S10E21 330	14S10E21 421	14S10E29 122	14S10E29 122	14S10E29 140	14S10E29 142		14S10E29 24 EN	14S10E29 310	14S10E29 312	-	_	_								_			-	-	14S10E32 110
First Name	T.J.	Everette W.	John L. Paula E.	3.0.	Richard E.	Larry G.	Donn M. Jr.	Jerry	Frank A.	Scott R.	Julia I.	Thomas E.	James R.	Burley E. Jr.	Robert M.	Robert M.	Joe H.	R. Vern	Jesse B.	Wiley W.	Demesto S.	Charles & Shirley	R.D.	Dan E.	Herbert B.	Herbert B.	Elinor Ann	Joe	Ronald W.	David C.	Burchard K.	Nancy A.	Billie M.	James E.	Nancy A.	Fred	Ronald W.	Fred±	Luther	W.S.	Randy Louis	Harry Jr.
Last Name	Reed	Myers	Wiesehan	Wilson	Mellstrup	Ospuru	Palmer	Watson	Mackewich	Hurt	Koontz	LaSure	Taylor	Baker	Rice	Rice	Vandyke	Stephen	Guillion	Carr	Silva	Pase	Champion	Virden	Shaw	Shaw	Gunter	Wohlenberg	Walker	Woods	Moller	Walker	Bean	Walker	Walker	Apel	Walker	Skaggs	Watson	Toncray	Richards	Wilcox
1 File Num	T-0954	T-0077	T-0188	T-1258	T-0346	T~0394	T-0398	T-0401	T-0417	T-0418	T-0419	T-0420	T-0422	T-0407	T-0509	T-0509-S	T-0081	T-1796	T-0003	T-0479	T-0985	T-1820	T-0026	T-0978	T-0010-S	T-0010	T-0076	T-0075	T-0013-B	T-0154	T-0455	T-0013-A	T-0494	T-0013	T-0711	T-0006	T-0712	T-1470	T-0002	T-0036	T-0820	70798
Rec ID M	1153	105	234	1516	427	767	867	501	524	525	526	527	529	508	638	639	109	2046	3	296	1192	2070	32	1183	11	10	104	103	16	193	5/1	15	. /19	14	881	9	882	1715	2	52	1007	983

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Drill Date		1952	1951		Expd		19510920	19510905	1959	19510909	1959	1959	19551005	1958	197605	expired	19860207	unknown	19881017	19881024	19890500	1980	1980	1980	1000011	19830/15	198/0812	19631111	19860227	12000270	pre-1962	pre-1962	pre-1902	1940	193303	604/61	19880505	197409	197409	604/61	19740629	126	1975	
Inst		dec1	dec1	appl	perm	perm	decl	decl	decl	dec.1	dec1	dec.1	dec1	dec1	decl	part	perm	dec1	perm	Derm	Dera	100	der 1	der.	מבר ד	perm	בונה המונה	¥073	pera	Dad T	dec.	deci	תברד קיים	dect	deci	Toan	perm	deci	. , .	•	decl	-		perm
Acreage		125	125	190			13.3	27.3	57	I3.3	57	57	4	=======================================	10			2				07	ניווש	sin1	oup	rdne 1	1		-	7 (7)	OOT COM	oup.	140	80 8	8 8	3	-	aup.	Idne	Tdns	7	40.0	20	sup1
Water Amt		3 AT/AC	3 AI/AC	400 AI/II	3 AF/V=	3 46/4-	3 AL/AC					3 AI / Ac	3 AI/Yr	2 Af/Ac	2 At/Ac	3 Af/Yr		1 Af/Ac	3 Af/Yr	3 Af/Yr	3 Af/Yr	3 Af/Ac	8up1	lans	Fring Fund	3 45/40	3 Af/Vr	3 46/8	2 Af/VT	3 46/40	o na / na gun 1	ginj	4 AF/Ac	3 Af /Ac	3 Af/Vr	3 AF/Vr	oun!	land Land	sup.r	Tdno	S AL/Ac	3.0	3 AF/Ac	sup1
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First Name	Bessie	Bessie	Vernon L. Joy H.G.	Julio Bertha	Sammy and Robbin	Charite	Charlie	John E. Joyce C.	Charlie	John E. Joyce C.	John E. Joyce C.	Alvino G.	Tohnnia R. Pahlo I C	4 6	Frederick Manuel	Inc	Tohanda D Eaten D	าลาคร	Lizabetn	LIVIN	William R.	Eddie L.	Eddie L.	Eddie L.	Eddie L.	Ira M.	Mary Edith	Marlin	Ira M.	Јашев G.	Јашев G.	James G.	James M.	S.A.	Ira	Benjamin	Ira	Ira	Ira	John T. O. Grace	Fred 1.	Wolfer C Derei	Walter S. Darel	ċ
Last Name	Toncray	Toncray	Goakes Wetterholm	Baca	Salazar	Klopfer	Klopfer	Taylor	Klopfer	Taylor	Taylor	Saenz	Mendez	Mendez	Saenz	Twin Forks Ranch.	Mendez	Voing	Valder	p14:	bow ling	Abeyta	Abeyta	Abeyta	Abeyta	Young	Logan	Virden	Young	Havens	Havens	Havens	Lackey	Ramsey	Holiday	Torres	Holiday	Holiday	Holiday	Curtis	Shinkle	Rav	Rav	Ś.
File Num	T-0044	T-0044-S	T-0444	T-0677	T-1708	T-0009	T-0007	T-0516-S-2	T-0008	T-0516	T-0516-S	T-0055	T-0766	T-0762	T-1456	T-1282	T-0764	T-1738	T-1750	T-1910	T-0571	1,0071	I-05/I-S	I-05/1-5-2	T-05/1-5-3	T-1563	T-0728	T-1283	T-1625	T-0835	T-0835-S	T-0835-S-2	T-0019	T-0043	T-0595	T-1664	T-0595-S	T-0595-S-2	T-0595-S-3	T-0216	T-1363	T-0879	T-0879-S	1
Rec ID M	61	62	256	831	1958	6	7	879	œ	979	249	81	247	943	1704	1542	945	1988	2000	2060	202	902	907	607	01/	1809	006	1543	1875	1024	1025	1026	77	09	/3/	1914	738	/39	740	273	1625	1073	1074	

	Drf11 Date	•	1988052%	unknown	1965	19790216		19850826	198003	19880711	1960041	10260	10011176	17011123	195112	19540/10	901961	1001001	198/0/10	1000403	198011	1973	19890321	19590403	1950	1900031	19880818	1900	10800222	1000010	17000019	10800.03	1957 pre	1057 110	1957 pre			195/ pre	10000000	150,0508	19860609		19880419	19870727	19871231	
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;	Water Ant	,	3 Af/Yr	supl	4 At/Ac	4 Af/Ac	3 Af/Ac	3 Af/Yr	5 AF/Ac	3 Af/Yr	3 AF/Ac	3.0 AF/Ac	3.5 AF/Ac	3 AF/Ac	5 Af/Ac	3 Af/Yr	3 Af/Ac	3 Af/Yr	3 Af/Yr	3 Af /Ac	7 Af/Ac	3 Af/Yr	3 Af/Yr	120 AE/Yr	3 Af/Yr	3 Af/Yr	206 Af/Yr	60 Af/Yr	3 Af/Yr	3 Af/Yr	3 Af/Yr	3 Af/Yr	3 Af/Ac	sup1	supl	Bup1	8up1	3 Af/Ac	3 Af/Yr	3 Af/Yr	3 Af/Ac	3 Af/Yr	3 Af /Yr	3 Af /Yr	• · ·	
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First Name		Fred	Ridley & Sidnia	Ridley & Sidnia	Bernard B.	42	Ridley & Sidnia	George H.	William & Linda	Edward Margaret	Edward Margaret	James Edward	Edward Margaret	James Edward	Mike Debbia	Top Top	Rov. Jr.	John W.	Perry G. Janete C	Louis E	Esther	Robert & Bostons	Roy It	Sandro	William C	Dale or Charma	Harold M.	Wanda	Roy Jr.	Aletandro & Terese	Maryanne	Farmers Market	Farmers Market	Farmers Market	Farmers Market			Wolvetin	ייי אַ	4	David & Norman	Danie,	Atchard	CITIOLG		
Last Name		Utter	cardner 61	Burner	out liet.	Cardner	gardner	bremner Terts	Julien	ncarring	McArthur	Lutz	McArthur	Ringler	Smith	Rowland	Tucker	Braziel	Ward	Carmack	Baca	Hu11	Tucker	Essary	Rich	Petree	Guthrie	Mills	Tucker	Hernandez	Bobowski	Van Winkles	Van Winkles	Van Winkles	Van Winkles	Van Winkles	Morris	Morris	Nabors	Rankin	O-Daniel	Brown	Smith			
M File Num	7-1514	T-1161-0	T=1161	T-0233	T-1161-8-2	T-1177	T-0699	T=169%	T-0178-5-2	T_0 0/10 T	T-01/0-5-3	4-0110-1 4-0110-1	1-01/8-S	1-0234	T-0491	T-0430	T-1445	1-1634	T-0486	T-0432	T-1942	1-1/90	T-1523	T-1728		T-1766			•		_				-	-S-4							T-1610 S			
Rec ID	1759	1402	1401	297	1403	1419	868	1944	223	224	225	222	222	71.9	527	767	1096	1004	5,00	0.5	2040	0507	1769	1056	1956	2010	2043	1964	1303	1002	1214	1215	1216	1217	1218	1207	1067	7007	2038	1930	0061	1/01	1860			

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		Drill Date		19880511	19870904	19760000	19770000	19850409	19840207	19830106	FYDIDEN	10000co	1900008	19740329	19821116	19830626	19720612	19881114	1960	1959	19840201	19870429	1969	19831201	10000001	19090403	1975001	1970	10850700	17050709	chired	190/1104	C061	9090606	OTonone	1071	17/1	976	9890602	198/0529	198/1109	Expd	Expd	Expd	Expd	Expd 19850806	2222
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First Name		Steven		Calvin & Carol	Calvin & Carol	Ashlev H	Voteh W	Tomas M	Lenna M.	James K.	Carl or Nancy	Jerry F.	Michael W. Fern I.	Frank D.	Richard & Mary	Mike E.	Berthil V Puet 1	Billia W	Tomos		Jon & Paula	James E.	Raymond L. Jackie	Jearl L.	Steven O.	Johnny F. and Diana	Sergio & Marilyn	Clarence	Harry S.	Michael or Sharon	James & Matilda	Jerry R.	Debra	Elias	Clarence J. & Joy E.			#O.		14 C 1.444.	o Suditing	C. Judith	c. Juaith	C. Judith	arold C Lader n	databa .	
Last Name		Gross	Nichols, Baca, Wentzel	McKinney	McKinney	Carr, Jr.	Nitcher	Darcy	Wheeler	Grubb	Adomon	UOSIIIRDA	nleser	Jones	Salerno	Fuller	Berg	Bean	Farmer	an					•	elas		u to			-	_					•		Robbins	Reynolds H	Reynolds	Reynolds H	Reynolds n				
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Rhodes Weatherman Kamees Nowell Cinert Cinert Ginert Werner Nowell Bishop Poindexter Lessentine June Perry Sidwell Lewis Lewis Lewis Lewis Lewis Malone Blazer McArthur Trujillo Howell Howell Howell Wendez Owens Hoppers Malone Jones Jones Townsend Wester Valle Smith Badaluco Dodson	Dave & Dee		E :	3 Af/Yr		perm	19880402
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Cinert Werner Nowell Bishop Poindexter Lessentine June Perry Sidwell Lewis Lewis Lewis Martin Edwards Malone Blazer McArthur Trujillo Howell Howell Howell Howell Wendez Owens Hoppers Townsend Wester Valle Smith Badaluco Dodson	George N.	15S10E06 422			•	decl	19760723
Werner Nowell Bishop Poindexter Lessentine June Perry Sidwell Lewis Martin Edwards Malone Biazer McArthur Trujillo Howell Howell Howell Howell Wendez Owens Townsend Wester Valle Smith Badaluco Dodson	George N.	15S10E06 422	irr		11	dec1	1970
Nowell Bishop Poindexter Lessentine June Perry Sidwell Lewis Lewis Lewis Martin Edwards Malone Biazer McArthur Trujillo Howell Howell Howell Hopers Hopers Hopers Hopers Wester Valle Smith Badaluco Dodson	Mark S.	15S10E06 423	irr	3 Af/Ac	21	decl	19820306
Bishop Poindexter Lessentine June Perry Sidwell Lewis Lewis Lewis Lewis Lewis Lewis Lewis Lewis Lewis Lewis Lewis Lewis Lewis Lewis Lewis Lewis Lewis Malone Blazer McArthur Trujillo Howell Howell Howell Howell Howell Howell Wester Vester	Alfred S.	15S10E06 424	irr Can		2,25	decl	197912
Poindexter Lessentine June Perry Sidwell Lewis Lewis Lewis Lewis Martin Edwards Malone Blazer McArthur Trujillo Howell Howell Mendez Owens Jones Townsend Wester Valle Smith Badaluco Dodson	Danny E. Nelda Ann	15S10E06 424	irr den))	decl	unknown
Lessentine June Perry Sidwell Lewis Lewis Martin Edwards Malone Blazer McArthur Trujillo Howell Howell Mendez Owens Townsend Wester Vester Vester Valle Smith Badaluco Dodson	D.W.	15S10E06 433	irr	3 Af/Ac	63	dec1	19710901
June Perry Sidwell Lewis Lewis Lewis Martin Edwards Malone Blazer McArthur Trujillo Howell Howell Mendez Owens Hoppers Malone Jones Townsend Wester Valle Smith Badaluco Dodson	Richard	15S10E06 434	frr 9	3.25 Af/Ac	13	decl	19740215
Perry Sidwell Lewis Lewis Martin Edwards Martin Edwards Malone Blazer McArthur Trujillo Howell Howell Howell Hopers Malone Jones Townsend Wester Valle Smith Badaluco Dodson	Richard W.	15S10E06 434	frr den	3.25 Af/Ac	13	decl	197003
Sidwell Lewis Lewis Martin Edwards Malone Blazer McArthur Trujillo Howell Howell Mendez Owens Hoppers Malone Jones Townsend Wester Valle Smith Badaluco Dodson	Elzy Sharon Y.	15S10E06 440	-	3 Af/Ac	, r	decl	198111
Lewis Lewis Martin Edwards Malone Blazer McArthur Trujillo Howell Howell Howell Howell Mendez Owens Hoppers Malone Jones Townsend Wester Wester Valle Smith Badaluco Dodson	Leroy E.			3 Af/Ac	18	dec1	19700306
Lewis Martin Edwards Malone Blazer McArthur Trujillo Howell Howell Howell Hoppers Malone Jones Townsend Wester Wester Valle Smith Badaluco Dodson	Kay Jernigan	15S10E06 444	irr stk 🗫	3 Af/Ac	15	dec1	197109
Martin Edwards Malone Blazer McArthur Trujillo Howell Howell Mendez Owens Hoppers Hoppers Malone Jones Townsend Wester Wester Valle Smith Badaluco Dodson Wall	Kay Jernigan			3 Af/Yr	}	perm	expired
Edwards Malone Blazer McArthur Trujillo Howell Howell Howell Hoppers Owens Hoppers Hoppers Hoppers Wester Wester Valle Smith Badaluco Dodson Wall	Waburn D.	15S10E07 232	ırr	195 Af/Yr	32.5	dec1	19750000
Malone Blazer McArthur Trujillo Howell Howell Howell Mendez Owens Hoppers Malone Jones Townsend Wester Wester Valle Smith Badaluco Dodson Wall	Frank	15S10E07 234	ıtr	3 Af/Ac	53.0	dec1	197303
Blazer McArthur Trujillo Howell Howell Mendez Owens Hoppers Malone Jones Townsend Wester Valle Smith Badaluco Dodson Wall	Manuel & Carmen	15S10E07 242	irr 📭	423 Af/Yr	70	dec1	19490800
McArthur Trujillo Howell Howell Mendez Gwens Hoppers Malone Jones Townsend Wester Valle Smith Badaluco Dodson Wall	William K.			3 Af/Yr ,		perm	19890221
Trujillo Howell Howell Howell Homes Gwens Hoppers Malone Jones Townsend Wester Wester Valle Smith Badaluco Dodson Wall	Edward Margaret	-	irr dem	3 AF/Ac	20	dec1	19510905
Howell Howell Mendez Owens Hoppers Hoppers Hoppers Townsend Wester Vester Valle Smith Badaluco Dodson	Margaret G.			3 Af/Yr		perm	19890415
-S Howell Mendez Owens Hoppers Malone Jones Townsend Wester Valle Smith Badaluco Dodson Wall	Darwyn		irr den	3 Af/Yr	80	decl	1950
Mendez Owens Hoppers Malone Jones Townsend Wester Valle Smith Badaluco Dodson	Darwyn		trr	3 Af/Ac	80	dec1	197502
Owens Hoppers Malone Jones Townsend Wester Valle Smith Badaluco Dodson Wall	Johnnie R. Ester B.	~	irr stk	3.5 Af/Ac	09	dec1	1950
Hoppers Malone Jones Townsend Wester Wester Valle Smith Badaluco Dodson	Harry C.	•	ırr		116	deci	195512
Malone Jones Townsend Wester Wester Valle Smith Badaluco Dodson	Robert G. Roxena J.		ırr	2 Af/Ac	2	decl	197712
Jones Townsend Wester Wester Walle Smith Badaluco Dodson	Benjamin & Aurelia			303 Af/Yr		Decl	1954
Townsend Wester Wester Walle Smith Badaluco Dodson	John D.		stk den	3 Af/Yr		perm	expired
Wester Wester Valle Smith Badaluco Dodson	Ray & Loretta		irr/dom	3 Af/Ac	,	decl	19720911
Wester Valle Smith Badaluco Dodson	Ada V.		tr.	3 Af/Ac	51	dec1	19610320
Valle Smith Badaluco Dodson Wall	Ada V.	-	frr	3 Af/Ac	51	dec1	19610320
Smith Badaluco Dodson Wall	Louis S. Beatrice M.		frr 6		20	dec1	197412
Badaluco Dodson Wall	Guy L.		Ę			perm	19830708
Dodson Wall	Gerald A.		, C			perm	19850822
Wall	B111y	15S10E09 224	dom	3 Af/Yr		perm	19850429
	Arvel E.	15S10E09 233	frr		51	decl	196107
T-1444 Manzanares Ga	Gary	15S10E09 240	Ę			pat	19870404
1 Rodgers	Andrew	15S10E09 300	6	3 Af/Yr	-	D a t	19871021
	John E. Lila E.	15S10E09 340	Æ	3 Af/Yr		perm	Expd

First Name Well Location Use Water Amt Acresge Inst
E. 15510E09 340
Italia E. 15510E09 340 1rr 10 AF/Yr 15510E09 341 miti-com, stk 3.0 AF/Yr 15510E09 341Sk stk com 15510E09 341Sk stk com 15510E09 342Sk stk com 15510E09 342Sk stk com 15510E09 412 stk com 15510E09 412 stk com 15510E09 412 stk com 15510E09 412 stk com 15510E09 413 str com 103 AF/Yr 15510E10 113 str com 103 AF/Yr 15510E10 131 str com 15510E10 131 str com 15510E10 131 str com 15510E10 131 str com 15510E10 132 str com 15510E16 120 str com 15510E16 120 str com 15510E16 120 str str com 15510E16 120 str st
Lila E. 15510E09 340 irr 10 Af/Yr E. 15510E09 341 initi-Com, stk 3.0 AF/Yr L. 15510E09 3418\frac{1}{2} stk 6.0 3 Af/Yr L. 15510E09 3418\frac{1}{2} stk 6.0 3 Af/Yr L. 15510E09 3428\frac{1}{2} stk 6.0 3 Af/Yr L. 15510E09 3428\frac{1}{2} stk 6.0 3 Af/Yr L. 15510E09 421 irr fishpond 1 Af/Ac L. 15510E09 421 irr fishpond 1 Af/Xr L. 15510E09 434 irr for stk 64.8 D. & Nelle M. 15510E10 1133 irr for stk 64.8 J. 15510E10 131 irr for stk 64.8 I. 15510E10 134 irr for stk 64.8 I. 15510E16 122 for 3 Af/Yr I. 15510E16 123 for 3 Af/Yr I. 15510E16 123 for 3 Af/Yr I. 15510E16 134 irr for 3 Af/Yr I. 15510E16 134 irr for 63.8 III for 63.8 III fo
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E. 15510E09 340 irr 10 AF/Yr 19 15510E09 340 dom 3 AF/Yr 15510E09 341 mlti-fem, stk 3.0 AF/Yr 15510E09 341Sh stk 6m, 3 AF/Yr 15510E09 342Sh stk 6m, 3 AF/Yr 15510E09 342Sh stk 6m, 3 AF/Yr 15510E09 421 frr fishpond 1 AF/Ac 25 15510E09 421 frr fishpond 1 AF/Ac 25 15510E09 421 frr fishpond 1 AF/Ac 25 15510E09 421 frr fishpond 1 AF/Yr 20 15510E10 113 frr, 6m, 103 AF/Yr 20 15510E10 113 frr, 6m, 3 AF/Yr 15510E10 131 frr dom stk 64.8 AF/Yr 15510E10 131 frr dom stk 63 AF/Yr 15510E10 131 frr dom stk 63 AF/Yr 15510E10 134 frr dom stk 63 AF/Yr 10 15510E10 134 frr dom stk 63 AF/Yr 10 15510E16 132 frr dom stk 63 AF/Yr 10 15510E16 122 frest well 3.5 AF/Yr 15510E16 122 frest well 3.5 AF/Yr 15510E16 122 frr frr dom stk 63 AF/Yr 15510E16 122 dom stk 63 AF/Yr 15510E16 122 dom stk 63 AF/Yr 15510E16 122 dom stk 63 AF/Yr 15510E16 122 dom stk 63 AF/Yr 15510E16 122 dom stk 63 AF/Yr 15510E16 122 dom stk 63 AF/Yr 15510E16 122 dom stk 63 AF/Yr 15510E16 122 dom stk 64 AF/Yr 15510E16 122 dom stk 64 AF/Yr 15510E16 122 dom stk 64 AF/Yr 15510E16 122 dom stk 64 AF/Yr 15510E16 122 dom stk 64 AF/Yr 15510E16 122 dom stk 64 AF/Yr 11.74 AF/Yr
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E. 15510E09 340 4rr 10 AF/Yr 19 15510E09 340 4cm 3 AF/Yr 2. 15510E09 341 mlti-tem,etk 3.0 AF/Yr 15510E09 3418\frac{4cm}{2} stk tem, 3.0 AF/Yr 3.0 AF/Yr 15510E09 3428\frac{4cm}{2} stk tem, 3 AF/Yr 3.0 AF/Yr 15510E09 3428\frac{4cm}{2} stk tem, 3 AF/Yr 2. 15510E09 412 tem, 15510E09 412 tem, 15510E09 421 tem, 15510E09 434 tem, 16510E0 133 tem, 103 AF/Yr 20 15510E10 130 tem, 3 AF/Yr 15510E10 131 tem, 3 AF/Yr 15510E10 131 tem, 3 AF/Yr 15510E10 131 tem, 3 AF/Yr 15510E10 131 tem, 3 AF/Yr 15510E10 131 tem, 28 AF/Yr 15510E10 134 tem tem, 63 AF/Yr 10
E. 15510E09 340 4rr 10 AF/Yr 19 15510E09 340 4cc 3 AF/Yr 2. 15510E09 341 miti-ten, stk 3.0 AF/Yr 15510E09 341 miti-ten, stk 3.0 AF/Yr 15510E09 341S½ stk 4cc 3 AF/Yr 3 AF/Yr 15510E09 342S½ 4cc 3 AF/Yr 3 AF/Yr 15510E09 412 4cc 3 AF/Yr 3 AF/Yr 15510E09 421 4cc stk 64.8 9.8 15510E09 434 1rr 4cc stk 64.8 9.8 15510E10 113 1rr, 4cc 3 AF/Yr 20 15510E10 120 4cc 3 AF/Yr 15510E10 120 4cc 3 AF/Yr 15510E10 121 4cc 3 AF/Yr 15510E10
E. 15510E09 340 4rr 10 AF/Yr 19 E. 15510E09 340 4cm 3 AF/Yr L. 15510E09 341 miti-ten, stk 3.0 AF/Yr L. 15510E09 3428\frac{1}{2} stk 4cm 3 AF/Yr L. 15510E09 3428\frac{1}{2} stk 4cm 3 AF/Yr L. 15510E09 412 4cm 3 AF/Yr E. 15510E09 413 417 40m 103 AF/Yr E. 15510E09 133 417 40m 103 AF/Yr E. 15510E10 113 417 40m 103 AF/Yr E. 20
E. 15510E09 340 4rr 10 AF/Yr 19 15510E09 340 4cm 3 AF/Yr 19 15510E09 341 mlti-form, stk 3.0 AF/Yr 15510E09 3418½ stk 6cm 3 AF/Yr 15510E09 3428½ stk 6cm 3 AF/Yr 15510E09 3428½ ccm 3 AF/Yr 15510E09 400 1rr fishpond 1 AF/Ac 25 e 15510E09 412 6cm 3 AF/Yr
E. 15510E09 340 4rr 10 Af/Yr 19 E. 15510E09 340 4cm 3 Af/Yr & Ron 15510E09 341 mlt1-ffm, stk 3.0 Af/Yr 1. 15510E09 3418½ stk 6cm 3 Af/Yr

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First Name	2000	cerala Lois	Joseph	R.E.	R.E.	Oswald K.	Тършая	David 1	TAPA	Kenneth	Jose & Juanita	Robert J.	David L.	Dennis E	Тош	Claude & Dorothy	George H.	Lowell	Ralph D.	Robert	Gene	Wyatt	Gonzalo	Jeff	Doroteo N.	Doroteo N.	Trinidad R.	John E.	John M.	ີ .	James & Mary	Linda Jo	Patricia	J.S. or Dorothy	Thomas M. Shirley H.	David Lee Leila Jean	Rodney Paula	David L. & Leila J.	Patricia	David L. & Leila J.	Bennie & Hazel	-60	
Last Name	11.4 -1.	nucchens	Koca	Virden	Virden	Revnolds	Starr	Tohnson	John Son	Reynolds	Sisneros	Emmer 1 ing	Johnson	Albertin	Braziel	Hampton	Bremner	Stough	Vigil	Pickard	Thornton	Atkins	Estrada	Haden	Carrillo	Carrillo	Gomez	Layher	Dove	Myers	Roth	Burke	Rivera	Calkins	McGinn	Skaggs	Bechtel	Skaggs	Rivera	Skaggs	Strawbridge	Kluting	
File Num	1,700	1960-1	T-15/3	T-0710	T-0710-S	T-0649	T-1559	T-0453-S	2-040-1	T-1130	T-1141	T-1764	T-0453	T-1452	T-1458	T-1068	T-0600	T-0408	T-0380	T-0470	T-0190	T-0496	T-0623	T-1402	T-0802	T-0802-S	T-0632	T-1600	T-1030	T-1613	T-1370	T-1531	T-0786	T-1293	T-0211-S	T-0832	T-0524	T-1144-A	T-1144	T-1144-A	T-1144	T-1204	T-1789
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Inst			104	perm.	Dec.	dec.	pera	Pat	dec1	perm	dec1	pint	pera	perm	pat	pat	decl	perm	dec]	perm	appl	perm	dec1	decl	perm	perm	dec1	decl	dec1	deci	pera	Pat	perm	Toan	appı	pera.	decI	decl	decl	dec1	decl	perm	=	pat
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Water Amt		3 Af/Yr	3 Af/Vr	8/3 AF/V=	-0/34 CF3	11 /TU CO	2 AL /AC	3 At/Yr	IS AT/YE	3 Af/Yr	60 AF	60 AF	3 At/Yr	1	, 3 At/Yr	3 AI/Yr		3 At/Yr	53 Af/Yr	3 Af/Yr	3 Af/Ac	3 At/Yr	22.7 Af/Yr	22.7 Af/Yr	test	test	3 Af/Yr	3 Af/Ac	194 Af/Yr	194 AI/II	3 AE/NT	3 AF/VT	A A F / An			10 5 45/45	10.3 AI/AC	3 AL/11	1	3 At/Yr	100 Af/Yr	100 Af/Yr	3 Af/Yr	3 Af/Yr
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First Name		Louann	Ben	R.C.&Tonya/Don & Ern	Henry B. Shirley			James C.	Dennie Net1		Ryan	Don	Dennis C.	Chris & Burline	James A	Arch & Rosemary	Monteine M.	William D	Kannath	Monteine M	T D	Water Consumer Acces	Water Consumer Assoc	Mater Consumer Assoc	I C Dent Interior	Corres C	Stdney Don't	Labortde (DII) Cobd			George	Marjorie	Charles A. Rose R.	Pierre J. & Cherrie		T.	David M.	Jann J. Anrella	Beneriv		John C. L.E.		Artaur Vanna N	mayile n.
Last Name	Sotothic	פרארווזוה .	Stevens	Williamson/Miller	Polson ·	Polson	Comey	Мауо	Crimins	Ragen	Ragen	Martin	Crimmins	Gallegos	Bowen	Carroll	Baird .	Sandefur	Satathite	Baird	Jackson	La Luz	La Luz	11.5.6.5.	11.5.6.5.	Dodson	Gordon	La Luz	La Luz	Rolling	McBride	Mese	Bortfeld	Patneaude	Lewis	Herndon	Gentry	Gutlerrez	Coble	Mayo Mines	Mayo Miney	Zamora	Legite	; ; ;
M File Num	T-1834	1000 F		T-1357	T-0464	T-0464	T-1329	T-0376	T-0941	T-1128	T-1128-S	T-1345	T-1346	T-1325	T-1435	T-1626	T-0909	T-1331	T-0568	T-0996	T-1836	T-0451	T-0451-S	T-0541	T-0542	T-0186	T-0452	T-1056	T-1056-S	T-0722	T-1581	T-0878	T-0095	T-0903	T-0312	T-0109	T-0106	T-0069	T-0775	T-0375	X T-0375	T-1791	T-1381	
Rec ID	2084			1619	5/8	579	1591	458	1140	1359	1360	1607	1608	1587	1688	1876	1105	1593	704	1206	2086	565	266	674	675	232	267	1275	1276	892	1831	1072	129	8601	394	145	142	66	096	456	457	2041	1645	

	Drill Date		19890113	19890109	19890612	19860612	1000001	15020908	60116761	197205	197205	197205	prior 1974	1973		4101	19/3	19880219	19880603	1974	196907	19760820	108303	107007	19/00/28	19/103	19/403	Expd	19760820	19770000	1920	195204	19850221	19560204	19830503	19860611	195604	EXPIRED	1951	Inknoem	unknom		unkulown 10001010	01719261	9880411	9860326	19830719	7/311
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First Name		Wayne	John A.	Nancy	Richard	Carlos C.	George R.	Harrion E	Tarkey De	George K.	Charles & Elizabeth	George & Marianne	Milton & Elaine	Milton & Elaine	John C Clams	Dolffin	BILLIAU Den 7		Robert D. Gearoldine	Harvey E. Darlene	Henry C.	Patrick & Linda	Tack	Edward 1	10:4: 0:4:	For a sally		Henry C.	Dave	Clara	J.F.	L.W. (Boe)	Lowell M.	Daniel L.	Irene	Harry C.	William	Harry C.	Leon E.	T coal		• •		or Jane	-	-	Donald Wayne	
Last Name		Lesite	Oliver	Calliovette	unnu	Chavez ·	Schweers	Widner	Schweere	Dincen	Contraction	Schweers	Chestnut	Chestnut	McNew	Cordoza	Brown	Bross	Breeze	DI OWII	Schotter	Weathers	Strong	Meyer	Throckmorton	Burks	Schotter	Wofford	DTOTTO.	Codesity	Cadwallader	Carrel	Cunningnam	carter	rice	Owens	Odum	Owens	Hinkle	Hinkle	Hinkle	Fambronoh	Griffin	Comallia	Pickerd	Beehe	9000	
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	Use		don	atk dom	frr don	HOD TIT	i i	dom irr	dom irr	frr dom		111111	LIE, SIK, dom		irr stk dom	ф	at k dom			BUK dom	irr	dom	don	don.	100	100	# P	go .	0 010	frr dom	dob	dop	ф	dr & gan		dop		M-dom	Dom		Com C	ö	111	irr 1		dom irr	don.	don Hills	7708	
;	Well Location		15S10E32 241	15S10E32 320	15S10E32 323					15S10E32 344	15S10E32 431				-	15S10E33 130	15S10E33 130						15S10E33 231	15S10E33 231	-						•	• •	15S10E33 343	15S10E33 420	15S10E33 430	_	15S10E33 441	-	-	_						-		15510E36 111		
Tiret Name	TTTO Name	Achtel e n .	Asidel & Belva	led W. Esther L.	m.H.	Jeffrey	Otis & Mozelle	Otis & Mozelle	Tarko R Jose I	Tree-t	Joseph & Margaret	Мах	Patricia	Patricia	Make 1	ritchael A.	ATTAL	Harold	Alvie S.		Rossife A	Donold 1	T DIBION	Vincent J.	James Jr.	Mike and Connie	Andrew	Richard F. Linda M.	Robert Outney	Ran 1	i pul	Annay	Angel	•	Kodney	Mark	Jack	1	Tom	James	Connie H. Constr	C.J.	C.J.	H.L. Sophie M.	Thomas F & Gladve K	Lalie L.	Lalfe L.	City of		
Last Name		Barney	Ewert	McClendon	C411	uatro	carren .	Garren	Muncy	Clever	Pollat	וויוזלי	HOLIMan	Holiman	Shultz	Ellerd	11111	out.ii. 1e		Bowlin's Inc.	Montoya	Staples	Scarna	No. No.	TOO!	Shipley	radilla	Evans	Wade	Martinez	Martinez	Mendoza	Ikard-Newsom	Eaton	Faton	Geron	Min Bonden Handle	Have to Linding	Charles Charles	Dest	Dantey	Dugan	Dugan	Taker	marsh	Sanchez	Sanchez	Alamogordo		
M File Num		T-1832	T-0816	T-1342	T-1385	7-1289-6	T-1200	1-1200	1-03//	T-1178	T-1267	7-0907	1 0001	1-050/-5	T-0562	T-0882	T-1389	7-0355	0000	9/00-1	1-036/	T-1474	T-1822	T-1722	T-1703	T-1721	T-0012	T-0912	1-0133	T-1099	T-1800	•	τ T-0913	T-0987	T-1456	T-1466	T-1528	T-1667	T-1739	T-1352					-			7-8-2500-1		
Rec ID	c c	7807	1003	1604	1650	1549	1548	7.50	60,1	1420	1526	1102	1103	607	760	1077	1654	436	106	877	1110	1111	20/2	1972	1953	1971	1108	174	1227	7700	007		1109 X	1194	1705	1712	1774 X	1917	1989	1614	1212	1213	110	1577	967	830	(3	,		

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Drill Date	1965	19590305	195601	196910		19851007	19860903	Expd	19820720	19820/20	19840515	10050404	19850405	19860211	19780828	197211	19850216	19880314	19730129	19850320	19890225			19830503	19851025	19850312		19860612	19710000	1959	19840629	19851028	19840504	19830401	19840627	19880321	19850528	19840706	19840927	19870227
Inst	deci	decl	dec1	dec1	perm	perm	pat	pera	CLON	perm	per E	n Tod	PCT B		decl	der	Deta	out	decl	perm	pera	perm	perm	perm	perm	pera	perm	part	dec1	decl	pera	perm	perm	perm	Derm.	ont.	Derm	Derm	Derm	pat
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Water Amt	645 Af/Yr 375 GPM	30 Af/Yr	30 Af/Yr	30 Af/Ac	3 Af /Yr	3 AI/II	3 At/Yr 3 Af/V=	2 Af /v=	3 AF/Vr	3 Af/vr	3 Af/Yr	3 AF/VT	3 Af/Yr	3 AE/Yr	2 Af /Ac	3 AE/Yr	3 Af/Yr	3 Af/Yr	2 Af/Ac	3 Af/Yr	3 Af/Yr		3 Af/Yr	3 Af/Yr	3 Af/Yr	3 Af/Yr	3 Af/Yr	3 Af/Yr		5 Af/Ac	3 Af/Yr	3 Af/Yr	3 Af/Yr		3 Af/Yr				3 Af/Yr	3 Af/Yr
Use	mun dom Ind mun	frr		irr dom	#OP	HOD	HODE NOW			do le	don	dom	g op	dom	frr dom	irr dom	don	don	frr dom	dom	dom	cond	don	stk dom	don	dom	dom	do∎	1rr	ırı	dom	dom	dom	don	dom	dom	dop	dom	don	ф
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First Name	City of City of	Wilson W.	Wilson W.	M.C. I.LUCILLE	Ronald Dean	Donald & Toroco		Patrick	Patrick	Terry	D.L.	Bob J.	Harry	David G.	Marion C.	Robert C.	William c.		Robert C.	Don	Raymond	Raymond	Thomas	Jerry	Larry D.	Јашев	James M.	J. K.	Mable M.	Johnnie G.	Robert William	Ruben	Albert	Arnold Flo G.B. Theo	Kathy L.	Rodney & Kerry	Tim	Dennis	Bernard F.	Ted S
Last Name	Alamogordo Alamogordo	Nichols	Nichols	Simpon	Nowell	Hall	Burns	Vandergriff	Vandergriff	Glissmann	Burton	Palmer	Savage	Sword	Koffman	Rethmel	Hobson	Holmes	Sanders	Taylor	Walker	Walker	Schwander	Holder	Daugherty	Cummings	Stevenson	Meents	Frary	Coll	Richardson	Ortega	Reiser	Kolb Oliver	Hood	Eaton	Turri	Belknap	Garreck	Hardw1ck
File Num	T-0032-5-6 T-0032-5-3	T-0063-S	1-0003	T-1803	T-1181	T-1390	T-0374	T-0403	T-0403	T-0836	T-1060	T-1062	T-1063	T-1281	T-0206	T-0153	T-1044	T-1577	T-0175	T-0908	T-1786	T-1831	T-1830	T-0547	T-1119	T-1043	T-1825	T-1340	T-1264	T-0165	T-0928	T-1116	T-0883	T-0553	T-0893	T-1633	T-1112	T-0910	T-0965	T-1450
Rec ID M	44	976	178	2053	1423	1655	455	503	504	1027	1280	1282	1283	1541	258	192	1262	1827	218	1104	2036	2081	7080	089	134/	1971	5/07	7091	7751	507	771	1344	8/01	889	1088	1883	1340	1106	1169	1699

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First Name William N. Geraldine	James A. Klad W. L.S.	Alex & Tammy	Nobert O David	Bessle B.	Water Users Assoc	Water Users Assoc.	Samue 1	Jin D.	water Users Assoc.	C. Glenn	Control A. Susan D.	Constance Dayld A		Glenn S. Grace			William	Colvin	Jin	rat Dollar	Tohn C	Glenn C	William to Ta		•	H	_				6 Elizabeth 1	ī	John C. 15	.,,	Reference 15	, .	
Last Name Deming Haltmar	Haltmar Zimmerle Valden	Chavez	Duncan	Bollie		Hayward	Baker	Rolling Hills	Schm111	Narveson	Dembrowsky	Schneider	Flinn	Flinn	Film Fig.	Film	Agnes	Rowland	Raub	Wade	Myers	Agnew	Reed	Jones	Aones.	Danh	Maulaby	Soderlund	Tooke	nshin	atten Anderson		pld		Lessentine		
M File Num T-0384 T-1278 T-178-c	T-0520 T-1568	T-1461	T-0538	T-0200-S	T-0200-S-2	T-1735	T-1202	T-0200	1-0083	7-1580	T-1500	T-0200	T-0207	T-0207-5-7	T-0207-S-3	T-1644	T-0890	T-0773	T-0555	7-0036	T-133	T-1061	T-1709	T-1286	T-1335	T-1597	T-1316	T-1322	T-1156	1-1392 T 1/0/	T-1404	T-1/94	T=013¢	T-1206	0671_1		
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Last Name		Thomas	Shyne	Tyson	Swiger & Humio		Shyne	Shano	ouyue n	Bearden	Nueva	Gallegos	Stanfill	Alexander Mana as	Sulpinou Januari	CHILL	Dugan	Sunbelt Molding	Dugan	Barker	Kidwell	DOL-TOR Inc		NM Drilling Too	Valatt Dool E-	Fuller	Word	T. 000	A Comail Biololo	Dickle	manattey	Sanchez	Wildman	Wildman	Arnold	Martin	Ganow	Maupin	Maupin	Maupin	Vann	Harvey Investment	Rofessort	Rotavert		Noilord	ennett		
M File Num	E	0690-L	1-1034	T-1047	T-1033	T-0683	T-1035	T-1036	T-1356	T_0659	1-0638	1-0364		X T-0998-A	T-1365	7-0009	1 0000	1-0998-A		A T-0781			T-1049	T-1344	T-1741	T-1295	T-1587	T-1131			•	•				_		-2-5		_s_			T-1235 (D) B		T-1167				
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Last Name	Alton	Calkins	Bishop	Lunt	Dyer	Mainz	Alamo West Fire Dent		Hernandez	Consoldantal	Statutoff	Stolnhoff	Dungan Maiot	Comes	Plos	W.C.	to more than the same of the s	Worrell	coston	Worrell	roston	Loya	Cady	Harvey Investment	Anderson Curtis	Woolley	Collins/Petree	Garcia	Cano	Young	Sutton	Norman	NOTE AT	WILCOX	beane	out ban	Autan	Summers uf 14	niicon Martinii	Solloss	Compress	Dewolf	17	
M File Num	T-0543	T-0549	_	7 I-1612	T-1642	T-0724	Q T-1748	T-1499	T-0792	X T-0873	T-0968	T-0034	T-1362	T-0365	T-1827	T-1183	T-1673	T-0665	T-1233	7-158	T-1585	T_1765	T-0176	0570-1	1-0425 H 0666	1-0863	1-1/68			1-151/	11-0603								_		_	T-0363		
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First Name		Royce	Russell	James Margie	R.L.	Clifton Barbara	Clifton Rarbara	I the bank and	TROIRG .M.	William H. Gordon L.	Wilma	Wilma	Wilma	Jackto F. Mary C	No.	E. FIREY		Jackie or Mary J	Walter W. Jr.	Clifton Barbara	B. Darrell Rufus	B. Darrell Rufus	Orlando Ir	Tackeen M In		Willam & Kayoko	rred C.	Roy J.	Stallberg	Paul	Willie S	Wayne W.	Marc	Robert	Nick	John R.	- Воу Кова	Ray Rosa	John P.	John P	Mary Louis	Tally but elle	Johnny & Peggy	Kenneth K.	Julious	Wendell	Robert T.	••
Last Name	•	Jones	Roberts	Cox	George	McDonald	McDonald	Zink	Rlanchard	Dien de de	nasii	Hash	Hash	Duva11	Duvall	Duva 11	Physe11	Mili	TT TOUT II	McDonald	Morgan Morrell	Morgan Morrell	Lucero	Wagner	Ford	Austin	Austin		realiberg &	Lewis	brady	Watt	Estrada	Estrada	Chacon	Dudley	Stone	Stone	Mobbs	Mobbs	Woods	Martin	Kilby	Tayo	Lave	Plumb	r tumn	•
M File Num	7.17.64	1-1404	1-1203	1-03/6	1-084/	I-0639	T-0639-S	T-0735	T-0031	T-1090	7-1000-0	10000	1-1090-S-2	T-0205	T-0205-S	T-0205-S-2	T-1453	T-0192	T_0630.0	7-8-6500-T	7700-1	7-00-7	T-0217	T-0201	T-1760	T-0641	T-0642	T-0051-8	7-0881	T_1/496	11490	1-1204	1-1004	1-1605	1-1601	I-1503	1-0/84	T-0785	T-1071	T-0927	T-1261	T-1234	T-0519	T-0823	T-1074	T-1256) 	
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First Name	Paul	William	Billy E.	Roland	Larry A.	Towns	Too E	000 F.	GUILLETMO		Ethel	Duane E.	Alfonso H.	Lyle	Larry	Charles D. Mary M.	Juanemia Earl Thomas	Juanemia&Earl/Thomas	David	Stallberg	Frank	William R.	William R.	Ralph H. Jane	Ralph H. Jane	Ralph H. Jane	Timothy C.	Lawrence B. Julia		Gerald E	Marguerite	Orlando Lourdes	Orlando Lourdes	Richard P Marguerite	Richard P.		James E.	Тhomas H.	Paul W.	James E.	Maye A.				
Last Name	Carabajal	Winder	brewer	SSOE	Spaethe	Barron	Molinar	Burrola	Eldridge	Pershina	Hillshuch	Salas	Wolfe	Aragon	Drive	Schussen	Shirper / T.	Act.		Stallberg &	HOSTING	ALLES	Arias	ncDougal	McDougal	McDougal	WOLLE	Makinson	Anglin	Ang 11n Ef	roster	Armijo	Armijo E	roster	roster	natvey investment	Nees .	Alexander		Kees	Jones	Jones	Alexander	:	
•	T-1109 T-1200	T-1440	T-1239	1001	1-120b	I-0841	T-0831	T-0391	T-0219	T-1379	T-0721	T-1373	T-1410	T-1586	T-0748	T-1614	T-1747	T-1505	T~0051_c_2	T-1436	T-0172	T-0533	T-0779	T-0782	T-0783	T-0166	7-0803	T~1368	T-1368-e	T-0731	T-0776	T-0780	T-0818	T-0349	T-0147							1-0182 T 0130	•		
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| Drill Date | 2007 | 10,80010 | 1240071 | 19830425 | 19860/14 | 194802 | 19831206 | 198201 | 19830603 | 1000001 | 19830601 | 19830914 | 19840116 | 19850103 | 19820108 | 19820108 | 10851100 | 60117061 | | | 19860121 | 19860830 | 19820819 | 19830429 | 19831102 | 19740623 | 1956100B | 1065000 | 0000000 | 10001 | 10210861 | 10210861 | 126/021 | 1964 | 1304061 | rxpa | Existing | Existing | 1957 | | 19840110 | 19840404 | Expd | 19830110 | 19830527 | 19830614 | 19830608 |
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| Water Ant | | 3 Af/Ac | 3 AF/Vr | 3 AF/V= | 77/17 / | o AI/Ac | 3 Af/Yr | 3 Af/Yr | 3 Af/Yr | 3 AF/Y+ | 3 4 C /Va. | 3 AI/1I | 3 AT/YF | 3 Af/Yr | 3 Af/Yr | 3 Af/Yr | 3 Af/Yr | 22405 AF/Vr | ann lana | 3 A £ /v_ | 31/1E | | 3 Af/Yr | 3 Af/Yr | 3 Af/Yr | 3 Af /Ac | | 28 Af/Yr | lang | MdDOU7 | E 1900t | 3 Af /v= | 1050 46/92 | 3 Af /vr | 3 Af /v= | 71 / TF / V- | 11/11 0.4 | 4.6 AL/Yr | SIS GPM | 8up] | 3 Af/Tr | 3 Af/Yr | 3 Af/Yr | 3 Af/Yr | 3 Af/Yr | 3 Af/Yr | 3 Af/Ac |
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dop | dop | | 5 5 | | z nouseholds | con don | com dom | dom | mop pur unm | men ind dom | | | 100 T | gog: | Hop | don | 1rt | COM | frr & dom | mun ind don | 111 | 111 | E C | Time does from | don don | 1 a | water elide | | 7 | | mop pur unu | dom | dom | dom | dom | dom | | irr dom |
| Well Location | | | 16S09E35 220 | 16S09E35 221 | | • | - | | - | 16S09E35 440 | 16509835 440 | | | - | - | | 16S10E01 Lt.3 | 16S10E04 140 | 16S10E04 230 | • | | ٠- | ٠. | | _ | _ | 16S10E05 121 | 16S10E05 124 | 16S10E05 140 | 16S10E05 144 | | | | | | | | | | - | | | | | | 16S10E05 300 | 16S10E05 300 |
| First Name | | | Charles D. Mary M. | Marilyn E. | Stallhere | Dennia H | | TOH | Total | Jean B. | Johnny J. | a nartnershin | Kenneth P | Total D | Jean D. | Ton | Lillian | City of | City of | Francisco & Dolores | Floyd | Charles | Cidites
Eddt | rante | Jack | | Madeline A. Edward J | Dave | City of | Mike | Mike Pittman | Jim | City of | Michael D. Melanie J | Donald Leroy | Alfredo Ramon | Alfredo Ramon | City of | Often of | | Jonn G. | Charlie Jr. | Juri Carmen H. | James T. | Tomnite C. | Earl R. | Loyd E. Amonda J.E. |
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First Name		Cora	Drue A.	Juri Carmen H.	Harry J.	Mary Lou	Mary Lou	Harry	Don	Jesse V.	Manuel M & Cormon v	Larry	Johnson 1	Now West	Nora Wiseman	James A. Lois A.	Otto A.	James D.	Trev	Charles	Ted	City of	City of	City of	Charles		Fitness	Donne & Fitness Ctr.	W. II. A	Alton 1	Rud	0 00	Cor G.	Bonne	Marton	Oner Tario	oran rerry	Dan.	png.	pag pag	Susan & Mike	Ike	Alberto	Bob	William G. Rosalyn Y	
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First Name	William G. Rosalyn Y	B111y D.	Ruby Ruth	Ruby Ruth	Tom	George P	T.W.	W.G. Jr.	James D. Barbara E.	Barbara	Ike	Robert Janet	Robert M. Janet	Berni	Charles	Barry L.	Water Users Assoc.	Daniel	Water Users Assoc.	John C.	Frank Procter Natal1	Aubrey L. Stella	Tommy	Visually Handicapped	Visually Handicapped	Visually Handicapped	Roy	Fred W. Mazie M.	Martha	Lelain or July	Rudy	Frank	Marvin E.	Patrick L. Sr.	John & Toots	Elwood L.	W.L.	Jack Reva	Billy G. Alice M.	Kathryn M.	Clara Alfredo Ramon
Last Name	Frazier	Black	Alexander	Alexander	Braziel	Kizzo	Gray	Pearce	Wagner	Wagner	Norton	Smith	Smith	Harrison	Durrett	Burke	Canyon Hills Area	Kalina	Canyon Hills Area	Hunsaker	Jensen	Daugherty	Higgins	N.M. School	N.M. School	N.M. School	Holcomb	Wilcoxson	Julian	Vawn	Hernandez	Medeiros	Weber	Henry	Green	Lowe	Anderson	Buttram	Weiman	McMurry	Saulsberry Paz
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Harrist	<u>-</u>	124	Grabman	Edward G.		117	3 AL/AC	₹	appl	
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Üse	•	gop.	stk	dom	don.	H	EOD .	giop .	mbl home dom	dom		0+1	ter der	fre 3	der dom	TOE T	E02		מרה מספ	dom dom	dom com	#O#	40B	dom.	dob.	dom	cond	dom	dom	GOE	MDI NOME dom		TEL COM DOM	dom of	don con	400 E		irr dom	dom	dom	con	dom	frr dom	don not
Well Location	•			16S11E04 L11/4	16S11E04 1.21/4					16S11E04 200	16S11E04 240										_				٠.					10511E03 130			•				• •							IKCTIPOR 220
First Name	Charles D		charles F.	Russell	Jin	Jacques A.	Lector C		warren A. Sr.	Richard	Walter B. Jr. Marian		Leonard & Carol			Kenneth C	Albert N. & Virointe	Sugan	Gare	Montford H. er w		Tool all	Terry	More to the state of the state	Tohn W	Join F.	D.:	Michael J.	Tomes D	Worten A Cr		Herbert and But.	Norman A.	John O.	B. Vernon	Wallace	William T	Chorles 1.	Cliai res o	Kichard L. M. Kenetta	16511E05 300	Kalph	R.E. J.K.	
Last Name	Разе	000		EITIOLL	Mood	Rouault	Le Page	Henry	Took	1807	Farrar	Wiborg	Caswell	Caswell	Crawford	Bonne 11	Ogle	Campau	Vann	Woody	Beckvold	Bash	Buttram	Falcle	Price	Indian Wtn Inda	Wetr	Grady	Howes	Henry	Anderson	Forehand	Rankin	Lewis	Hudman	Comstock	Fisher	Davis	# 11 12 12 12 12 12 12 12 12 12 12 12 12	Indian West 1 - 1 -	Hohne	D	frlesen	Jenson
M File Num	T-0887	T-0888	T_1066	9901-1	1-1100	T-0340	T-0951	T-0865-S-2	T-1773	6//1-1	7-1004	T-0588	T-1574	T-1574-S	T-0316	T-1407	T-1013	T-0900	T-1028	T-0048	T-0616	T-0678	T-0976	T-0339	T-0906	T-1564	T-1780	T-1761	T-0342	T-0865	T-0967	T-0012	T-0060	T-0045	T-0058	T-1772	T-0093	T-1484	T-0138	T-1565	T-1819	T-0,0,0	10404 10404	0000-1
	1082	1083	1286	2001	0767	421	1150	1059	2023	1991	1771	67/	1823	1824	398	1668	1231	1095	1246	29	761	832	1181	420	1101	1810	2030	2011	423	1057	. 1711	13	88	63	87	2022	127	1727	177	1811	2069	505	25.	

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Drill Date		198112	19860509	19830/13	17050710	100112	190112	1707170	natrdya	195500	108,0330	19601015	19830421	19850807		19840214	195608	196005	19840409	Expd	19870429	19581008	19830110	1960	1918	1915	19861112	19880725	19861111	193508	195607	1964	pre-1956	pre-1978	19821025	19841026		19880612	19840425	19870327	19800318	1973
Inst		Toep	perm	pera	Per H	4001	7 200	F 10 C	1 1	par don't	מפנד	der!	Derm	pera	perm	perm	decl	dec1	Expd	Dera	clow	dec1	perm	decl	dec1	dec1	pmt	perm	pat	decl	decl	decl	c.0.	dec1	perm	pera	perm	pint	perm	pat	decl	decl
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Water Ant	0 Af/v=		3 Af /vr	3 Af /Yr	9 AF/Vr	9 Af/Yr	3 Af /Yr	3 Af /Yr	3 Af/Yr	3 AF/Vr	3 Af/Yr	3 Af/Yr	3 Af/Yr	3 A#/Yr	3 Af/Yr	3 Af/Yr	supl	1.25 Af/Ac	test	test	3 Af/Yr	3 Af/Yr	3 Af/Yr	0.5 Af/Yr	3 Af/Yr	9.67 Af/Yr	3 Af/Yr		3 Af/Yr		3 Af/Yr	63 AF/Yr	3 Af/Yr		3 Af/Yr	3 Af/Yr	3 Af/Yr	3 Af/Yr	3 Af/Yr	3 Af/Yr	1 Af /Ac	3 Af/Yr
Use	Echa dom	dom	don don	dop	com dom			dop	dom	dom	dom	1rr dom	dom	don	dom	dom	mbl home dom	frr dom	test well	test well	frr dom	1rr dom	dom	dom	dom	don	dom	Exp1	don		irr dom	dom, irr	dom	dom	dom	stk dom	drnk 6 san	dom	qom	dom	ırr	irr com dom
Well Location	16S11E05 321				16S11E05 323	16S11E05 323			16S11E05 324		-	16S11E05 412	_	-	_	-	-		•	_	•	16S11E05 434	_	-	•••	_			100,000	17S08E36					-	17S09E09 222				17S09E11 221		17S09E12 111
First Name		Michael	Norman	Sammy W.			Harry & Sarah	David	Russ	н.А.	Mrs. R.G.	Cecil J.	Randell L.	Mark	Russell J.	Тош	Warren A. Sr.	William T.	Tom	Тош		Cecil J.	Gary	Laurence E.		Laurence E.	Bobby L		William H		Charles	Jim H. & Gerladine	William	George Alma	John	Leon	Larry H.	Greg	James	Roy H	Charles	Gary R.
Last Name	Indian Lodge Mt.	McGrath	Nelson	Seek	Indian Lodge Mt.	Indian Lodge Mt.	Peters	Gilbreath	Weir	Wilson	Tantzen	Walker	Hodgkinson	Harwell	Weir	Fosseen	Henry	Fisher	Fosseen	Fosseen	Walker	Walker	Katz		Y.M.C.A. of El Paso	Sharp	Moore	Wood	Stx	White Sands Ranch	Walcott	DeLong	Robertson	Maki	Robertson	Green	Falin	Hall	Bonne11	Weblemoe	Winebarger	Holland
File Num	T-0236-S-2	T-1299	T-0618	T-0619	T-0236	T-0236-S	T-1089	T-1107	T-1358	T-0053	T-0849	T-0098-S	T-0574	T-1148	T-1771	T-0770	T-0865-S	T-0094	T-0826	T-0827	T-0098	T-0098	T-0366	T-0198-S	T-0560	T-0198	T-1414	T-1690	T-1409	T-0224	T-0054	T-1310	T-0830	T-0959	T-0347	T-0972	T-1841	T-1602	T-0850	T-1467	T-0238	T-0495
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Rec ID	302	1560	763	164	300	301	1314	1335	1620	79	1040	134	713	1383	2021	955	1058	128	1015	1016	132	133	7447	246	695	245	1674	1940	16/0	787	80.	1569	1019	1911	875	1177	2091	1852	1041	1713	305	. 819

ID M File Num	<u> </u>	Last Name	First Name	Well Location	Use	Water Amt	Acreage	Inst	Drill Date
T-0522		Cumings	Ton	17S09E12 111	ţ	2 45/45	·		
T-0862		Weaver	J.F. Betty J.		117	2 A E /W=	7	decl	198301,19
T-0239		Weaver	James F.	٠.		3 AI/1E	•	perm	expired
I-0694		Pruiett	Henry Betty	•	777	1 A1/AC	7	dec1	10901861
T-1620		Abbott	Jovee	_	E 6	2 AE/V=		perm	19830830
T-1268		Marquardt	John		# E	3 AE/II	-	ם	19880225
T-1005		Nardecchia	Anthony C. Jr.		do do	11/14 C		perm	19860325
T-1698		Flanary	Gary or Shirley		don don	3 AI/1I		perm	19841115
T-1413		Coker			E C P	3 At/Yr		perm	19880726
T-1692		Simpson	John F It	•	10 m	3 AL/XI		탪	19861215
T-1740		Lowrimore	Miles of off	٦.	dop.	3 Af/Yr		perm	19880713
T-1802		Corbett	Daniel B		E CO			perm	19881208
1112		VA	David E.	_	don	3 Af/Yr		perm	19790417
1111		misquez	E.N.		dom	3 Af/Yr		Derma	19850607
187		Creel	George H.	17S09E13 122	İrr	3 Af/Ac	2.5	1000	1026
T-1693		Goodwin	Gewin & Jeanette	17S09E13 131	do do	3 Af/Vr		ון מנר	1970
T-1080		Wareing	John & Elizabeth	17S09E13 132	trr/dom	6 46/40	,	per a	19050/10
-1080-	T-1080-En1gd	Wareing	John & Elizabeth	_	177		7 4	deci	8/61
r-1730		Fussell	Thomas	-		2 Af/v=	0.0	appı	
T-1290		Walker	Dale	-		3 AE/V		perm	19880824
T-1337		Galleros	Mike	-	E 10 P	3 AI/II		ᇤ	19860304
T-0981		Havs	Wilhour I			3 AI/II	;	pat	19860620
T-1353		Forsythe	Total		irr		2.44	decl	197606
I-1527		Mitchell	Ctowen 1			3 AI/YI	,	perm	19860626
T-0481		Clendenen	United D.	٠.		3 At/Yr		part	19870822
T-0859		Black	M. Wallell		BTK dom	3 At/Yr		dec1	19820611
1-05/5		Johnson	nay name		dob.	3 Af/Yr		pera	19840502
10010		Johnson Setera	Koy	-	don	3 Af/Yr		c.0.	19830304
6700		SOKOT			dom	3 Af/Yr		Derm	19841022
1-0/40		Hays	Robert L.		stk dom	3 Af/Yr		Der	198312
7-0885	,	Tr1-H Construction		17S09E13 310	dom	3 Af/Yr		Der B	19840509
T-0988(1)	1	Goss			dom	3 Af/Yr		Derm	19840917
1-1008		Dimitrov	George V.	17S09E13 310	dom	3 Af/Yr		E Lac	19841121
I-1075		Kinnecome	Bruce	17S09E13 312	dom	3 Af/Yr		1 100	17041171
T-1411		Taylor	Debra	17S09E13 312	dom			1	TOOLOOL
T-1816		Kowalzyk	Tadd		[E			Per	19800500
T-1449		Brubaker	John, Jr.	17S09F13 313		3 45/0-		אמן. הושל	13030303
T-1079		Valdovinos	Micaela		100			pac	19880811
T-0372		Pace	Perry Dean					herm	19000329
T-0651		Hillabush	Duane E.					perm	19830124
I-0603		88	Michool I.					perm	19850509
T-1095		Storell	Thomas W. C. Brat. B				•	perm	19830603
T-1408		Color	Emory K. & Ruth T.		qop.	3 Af/Yr	•	perm	expired
1001		28188	Ted & Winnie Mea		don	3 Af/Yr		pat	9861020
-1391		Krupovage	Dan C.	17S09E13 331	dom	3 Af/Yr		pat	19860925

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Use	do	dom	don	don		irr dom	irr	de f	dr & san		drnk (con	fre con 1-1	irr dom	frr. dom	frr dom	frr stk dom		don	ir	frr dom	frr dom	frr dom	dom	g op	don	dop	Irr	dom	ırr	irr	trr	frr dom	ırr	irr dom	don	dom	frr	dom	dom	frr dom		,
Well Location	17S09E13 331			1/S09E13 342	17509513 400					-				17S09E24 113	17S09E24 121	17S09E24 123	٠.			_		•					1/509E24 212									17S09E24 240	17S09E24 242	17S09E24 244	17S09E24 300	17S09E24 312	17S09E24 312	
First Name	Tony R.	Len	Dennia & Tohana	W. Warren	Gove H.	Gove H.		C/O Sid Anderson	Terrence	Joe	Enterprises, Inc.		William H.jr. Paula		Robert O. Opal A.	rerry "1	Karı	NAT.	Raymond T	C E Design	V.b. Dena Karl	Warren	Kathy	Kathy	Jimay	Jimy or low	Lloyd	Ted	W. Warren	W. Warren	Eric A.	Harry & Danhne	Harry & Danhne	,	Tohn) 	Constant	Cordon M.	James K.		Merentu n & Helen A	
Last Name	Matherly .	Kane	Taylor	Clendenen	Sandifer	Sandifer	Alamogordo, City of	Copies Irap Club	Condin	Conolona	Burrons	Herror	Weatherly	Rains	Pace	Soards	Soards	Weatherly	Green	Newton	Soards	Naugle				ygr qgr				F	1			irly			it.			#C		The second secon
M File Num T-1593	T-1300	T-0341	1-1/01	T-0484	T-0416	T-1277	T-1012	T-1623	T-1327	T-1526	T-0134	T-0596	T-1333	T-0800	T-1670	T-0171-S	T-0386	T-1332	T-0759	T-0708	T-0171	T-1417	T-0552	1-0851	T-1298	1-1/0/	1-1518	771175	1-0482				S	_				T-0880		T-0821		•,-
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	,	Drill Date		19840901	19860701	196211	198312	1968	106317	71000	unknown • • • • •	1975	19830810	9840505	9850811	9840529	19840524	9840224	7040254	9840808	9350824		prior 71	9830514	0961	9851218	9851107	9870405	1861	9851206	9880323		1965	1967	19860425	0961	196108	1965	expired		1962	expired	19860625		19830505	}	19850207
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	Use		dom	dom	1	1 1		1rr dom	irr	frr stk	don	e de la		E 00 7	8 0.	E CD	dom	фoр	dom	don	dom		i dos	frr dom		TOPE TOPE	E 10 F	E I	una	dob.	e dom	don.	irr	irr		9	irr stk dom	m nu .	dob.	dom.	irr	dom	dom		stk dom	ırr	dom
	Well Location		17S09E24 312	17S09E24 312	17S09E24 330						17S09E25 1(W2)	17S09E25 100								17S09E25 131	17S09E25 132	_	•						•						1/20022/244	1/309E20 300							322	324	330	330	1/509E26 330
	First Name	;	Bradley J.	Bradley J.	Henry G.	James W.	Richard Henry Lenors	Donot be M	Panell House Market	Called Fell Machigan	calvin L. Betty J.	Harry Catherine	Glen R.	Michael Cecilla	Norman M. Irmeard F	Aleafa	c	rancis o. Eana	o Ten	Andy	David L. or Lori		Kenneth C.	Earl Connie	Leon & Sue	Joe	Sue Ellen	Edwin	Jeff	Richard	4	Recel U			Counts			و ا			1 100		Cordon f Uclos	o nelen		• 0	•
-	Last Name	111 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MILLIBES 114114	C	carter	French	Sandoval	Carter	Ellis .	Gibson	100000	Garton	Kobinson	Ashe	Spide11	Gonzalez	Norris	Brackeen	Corola	Carcia Carcia	William P. P. P. P. P. P. P. P. P. P. P. P. P.	Munsey & Dunivan	Williams	Scroggins	Loftis	Gascoigne	Loftis	Boles	Odell	Ruecroft	Cooper	Leftwich	Wade	Abbott	Scroggins	Pearson	Boles	Veater	Munoz	Misquez	Liston	Williams	King	Arana	Arana	Crain	
	File Num	T-0962	T-0962-c	T-0111	1 0111	1-0/38	T-0173	T-0114	T-0132-A	T-0964	T-0680	7-08/5	1-0643	1-1155	T-0884	T-0891	T-0842	T-0911	T-1171	T-1799	T-1140	T-0597	1000	1-0500	7811-1	T-115/	I-14/1 - 1001	T-1085-S-3	T-1200	T-1637	T-1845	T-0127	T-0502	T-1302	T-0499	T-0115	T-1085-S-2	T-1159	T-1847	T-0317	T-1367	T-1498	T-1844	T-0308	T-0456	T-1040	
	Rec ID M	1165	1166	147	21.0	710	017	150	171	1168	834	1036	1205	10701	1079	1086	1033	1107	1413	2049	1372	728	623	1424	1301	1397	1200	1509	7661	1887	2095	164	627	1562	622	151	1308	1399	2097	399	1629	1742	2094	390	572	1258	

Drill Date		1005011	0700001	19851029	196308	19860912	19630826	10870607	100/00/	19840125	196306	196406	Expd	19880720	19631216	196108	196310	1961	195610	19630615	1050	1939	19720420	1976 pre	1981	19830111	19851227	19831108	19871110	19870120	19790320	19840321	19851220	19851227	1954	1954	197406	1045	1057	1524	1934	1951	1930	12020502	19800508	19840529
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Water Amt		3 Af/vr		17/17	O AL/AC	3 Af/Ac	4 Af/Ac	3 Af/Yr	3 Af/Yr	27/27				3 At/Yr		3 Af/Yr	5 Af/Ac	3 Af/Yr	242 Af/Yr	0.5 Af/Yr	944 AF/Yr	3 AF/Ac	3 AF/Ac) 01/AC	210 AI/II	3 Ar/Ir	3 Af/Yr		3 Af/Yr	3 Af/Yr	3 Af/Ac	3 Af/Yr	3 Af/Yr	3 Af/Yr	1000 GPM	3 Af/Ac	10 Af /Yr	5-10GPM	700 GPM	3 AF/Ac	3.5 AF/Ar	700 Af/Yr	3 AF/YT	3 AE/Yr	3 Af/Yr	3 Af/Yr
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First Name		Kenneth C.	David & Janis	Davis Garcia	Doyle Corole	Maria Galuia	Marvin E.	Vernon L.	David L. Madalyn J.	Pansey Fern Mackrain	Jack and Ruby	Kenneth W Welfne C		4000	riliam n. Fiancis A	noy w.	Kuben G.	Earl Connie	Edwin	Delore	Edwin	Clifford A.	Cec11	Edwin	Pomposo .	M Chancel A T ACT	٥,	nomer D.	Barbara			Dwight L. Lois	Los Nínos	Bf11y	0	W.L. S.M. L.H.		W.L. S.M. L.H.	City of	W.L. S.M. L.H.	Jo	City of	Timothy C.	Ted	Claud & Carol	Don Sharon
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File Num		C/71-1	1-1201	T-0121	T-0121-S	T=0112	T-1515	1717	I-0/6/	T-0110	T-0117	T-0889	T-1700	T-0113	1-0092	T_0116	7_0.49	T-1085	11007	1-0118	1-1085-5	T-0144	T-0935	T-1085-S-4	T-0393	T-1266	T-0719	T-1500	7-1/33	1.0700	1-0/09	I-0840	1-1231	T-1232	T-0032	T-0507	T-0225	T-0508	T-0032-S	T-0507-S	T-0814-S	T-0814	T-1779	T-1511	T-1792	T-0877
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First Name		Richard	William L.	Glenn Vicki	Gerald W.	John H.	City of	City of	8411	מייים מייים		Alke	Norma Jean	City of	Kenneth	Louise & Clyde		Tooot	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	τις οι •	Joe	City of	Donald	Jules	William	Anastacio	Bentlev	Tom	Donald E.	Total		T & I	Corole Volenda	4	Arthur and Annotte	Mark	Tohn	Dollar And One	Nobelt and Susan	John H.	Phillip D.	Glen W.	Daniel	Charles	Rick A.	Larry
Last Name		BOSS	Sanford	Broyles	George	Rees	Alamogordo	Alamogordo	Glidden	Johnson		noose,	Zambrowski.	Alamogordo	Nicholson	Daugherty	Houghtaling	Hitchcock	Alamogordo	Training of the	A 1 1	ALamogordo	Chavez	Krzenski	Dukeshar	Cruz	Phillip	Braziel	Carpenter	Braziel	Braziel	Weds	Aratza I.P.	- 5	Levya	Rice	Hated	Worshall	Vert	Second and	Swoveland	Fritsch	Fritze	Knowlton	Clarke	Bean
File Num		1-1009	T-0530	T-0701	T-1712	T-0521	T-0734	T-0734-S	T-1619	T-1749	1-1203	T_1576	0/61-1	1-0/34-5-3	I-1/16	T-1197	T-1669	T-1717	T-0734-S-2	T-1621	T_1021 T_0724c. c	1111	1-1130	1-1168	T-1260	T-1114	T-1115	T-1129	T-1245	T-1250	T-1525	T-1677	T-1154	T-0734-S-4	T-1729	T-1617	T-1752	T-1308	1-1800	T-168	11004	T-1522	1-10/4	1-16/6	7-1088	T-1699
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First Name	Gary	Bruce Pat Kenneth t	Tohn D. Manne	Frank	Robert E.	Robert L.	Charles H.	Lennie L.	David E. Anita	Charles	Bob	Lewis T. Melda	Charle T. Melda D.	Charles H.	Tondon Water	Darrell Norene	Charles H	John	Carolyn S.		Charles R.	Rex	Donald D. Helen J.	Donald Helen	G. 12.	Rollan P.	-	Lee R.	Lee R.	Donald J.		Karla	Јашев	Eldon E.		м.	Cilnton 1	2		
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First Name	Tohn f Morecare	Don't a nargaret	DYART	Richard C. Janet	Dan C.	James Reith	George W.	James D.	- 10 + 10 + 10	Cilncon D.	Edward and Carole	Donald R.	John & Lorraine	Perry	Richard & Sharon	Pichard C	Botti Dans	Detty Dale	betty Dare	U.S.A.F.	Betty Dare	Betty Dare	Betty Dare	11 S A 12	11 G A 12	1 2 4 4	U.S.A.F.	U.S.A.F.	Joint Venture						Albert & Parsy	Michael	Alan D	Const.	Delle T	Donald E.	Gerald Sharon	Robert	Hans, Jr.	Patrick T.	Lawrence	Paul	Manuel & Lucy	
Last Name	Keelin	Walter	10000	Jones	Abercrombie	Swinford	Simon	Mowell.	Hooser	Richlon	Maria .	Mueller	Barr	Brunson	Boyes	Babin	Douglass	Donal acc		rolloman A.F.B.	Douglass	Douglass	Douglass	Holloman A.F.B.	Holloman A.F.B.	Hollomen A T B	Hollower A H B	Boll none	Dell Adnen		White Sands Ranch	White Sands Ranch	White Sands Ranch	White Sands Ranch	Chavez	Barnes	Foreman	Moherly	Monton	Include	LIVIngston	Baker	Jorgensen	Bingle	Hanway	Turner	Morales	
M File Num	T-1743	T-1506	T-0789	7-1530	0001-1	7-0062	T-0809	T-1252	T-1251	T-1687	T-1120	1001	1-1091	1-1629	T-1069	T-1731	T-1255-S	T-1255-S-3	T-0756-8-4	7.1255 0.4	1-1233-8-4	T-1255-S-5	T-1255-S-2	T-0756-S	T-0756	T-0756-S-2	T-0756-8-3	7-1737	F-0613	1-0613	T-0226	T-0227	T-0228	T-0228-S	T-1805	T-1360	T-0326	T-1560	T-1561	T_0380	1-0109	1-0523	T-1465	T-1683	T-0698	T-1405	T-1558	
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Last Name	0-441	Gochenone	M41fors	Griffer	Roth	Charre	Zavero	Mains	Harper	Houck	Overstreet	Przekota	Blevins	Anderson	Gutterrez	Walker	Woods searge	Woods	P41	M. 1.e.y	MALISON	Kimnel	Johnson	Johnson	Henderson	Henderson	Barraza	Koush	Monrreal	Lujan	Williams	White Sands Ranch	Sands	Sands	Oliver	Oliver	Oliver Oli	Baboot.	Amont	Ment	P:-4	Dance	rapson E.11	ruller			
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Well Location		18S09E24 222	18S09E24 224							18S09E26 224				_	18S09E26 422	18S09E35 120	_		•		-		18S10E06 442	18S10E07 111	18S10E07 111	18S10E07 112	18S10F07 121	•	•	-			•	_		18S10E18 210	18S10E18 210	18S10E18 210	18S10E18 210			٠.	_					18S10E29 344
First Name	•	Richard Arthur	Inc.	Terry G.	Terry C	M win	HTV TU	Alton J.		Alton J.	Alton J.	A1+011	Atton 3.	Alton J.	Alton J.	Alton J.	Alton J.	Alton J.	Alton	A14.2 T		Mrs. Kaymond L. Sr.	Betty Dare	Tom	Tom	•	Ralph M.	Marvin C	of Almonordo	Dobort T	Tours	1	Fauline M.	Gordon J.	Ray V	Alvin L.	Alvin L.	Alvin L.	Albert C.	William	Course D Tourse 1		Donald E.		Arthur & Laverne	8	ď,	John & Karen
Last Name		Hewitt	C.A.W.	Salomon	Salomon	Anderson		nira	Ward	Ward	Ward	Ward	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Ward	Ward	Ward	Ward	Ward	En ro	3 9	Days	Douglass	Fosseen	Fosseen	White Sands Ranch	Lermayer	Green	Waste Management	Reding	1001100 10011001	Moss	FIGURE .	Booth	Williams	Bowers	Bowers	Bowers	Poitra	Mantz, Jr.	Atkina	Shaffor	Desir Gene	baun corp.		ď	45	Cross & Whyte
File Num	1110	1-11/9	I-12/2	T-0955	T-0955-Enlgd	T-1118	T_1236	1120	1-1123.	1-1125-5-3	T-1125-S-4	T-1125-S	1-1125-5-5	1125 0 0	7-0-6711-1	T-1244	T-1242	T-1243	T-1240	T-1241	T-1785	000	I-1255	T-0828	T-0829	T-0231	T-1323	T-1326	T-1823	T-0573	T-1380	T-1710	17/17	1-1504	1-1441	T-0/27	T-0727-S	T-0727-S	T-0797	T-1259	T-0808	T-0934	T_1206	1-1300	1-100/	T-1249	T-1249-S	T-1249-S-6
Rec ID M	17.21	1741	1531	1154	1155	1346	1482	1253	1256	1336	1357	1354	1358	1355	1,00	1490	1488	1489	1486	1487	2035	1508	1000	/101	1018	295	1585	1588	2073 0		1644	1969	1636	1602	7601	760	868	668	982	1517	966	1133	1651 V		7071	1490	1497	7001

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Drill Date		19750000	19750000	19750000	1977	197310	197910	19820506	19820420					1977	1925	1977	1920							1977			701000	19820506				19750000	19770000		1981	19870402	.9840615	19870214	19870401	19840502	111040
Inst		decl	dec.1	dec1	decl	c.0.	c.0.	dec1	decl	appl	appl	appl	appl	dec1	dec1	decl	decl	appī	appl	appl	appı	app1			appl	app.	appı		app.	appl	appl	-	dec1 1	pat	dec1 1	_				perm 19	•
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Water Ant	Supl	Supl	supl	sup1	3 Af/Ac	rdns	123 At/Yr	150000	130GPM	2 AE /AC	5 Af/Ac	5 AF/Ac	73 AF/Vr	26. AF /v_	73 AF/Vr	2/ 46/v=	5 Af /Ac	5 Af /Ac	5 Af/Ac	5 Af/Ac	5 Af /Ac	5 Af/Ac	73 Af/Yr	5 Af /Ac	5 Af/Ac	5 Af/Ac	3.5 Af/Ac	35 Af/Yr	35 Af/Yr	35 Af/Yr	5 Af/Ac	53Af /Yr	/3 Af/Yr	3 At/Yr	3 At/Yr	3 4£/v_	3 AE/UL	3 AL/IT	test	3 Af/Yr	
Use	ırr	frr	11 ‡	111	frr dom set			14	frr dom	frr dom	frr & dom	irr & dom	frr/dom	1rr/dom	1rr/dom	1rr/dom	frr & dom	irr & dom	frr dom	frr dom	frr dom	irr dom	1rr/dom	irr & dom		irr dom	lr.	ıtı.	1rr	111 111	trr dom	fre & Jam	don a tri		Cond	don don	Exp1	Cond	test well	stk don	-
Well Location	18S10E29 414	18510E29 424	_		_	_		18S10E30 443		18S10E31 120				_	_	18S10E31 222		18S10E31 240						٠.	-	٠.	_, .	10510E32 122	18310E32 123	_	• • •					18S10E32 320	18S10E32 320			18S10E32 340	
First Name	John & Karen John & Karen	John & Karen	John & Karen	Virginia	Orthodox Church		Carolyn	Kobert J. Carolyn N.	Aiton J.	Atton J.	DIRM	7754	Alton 1	A1101 J.	Alton J.		Ward Alfon I	=	Pich	7.07	7.07	Alton I		7 1 2	Ward	Tames W Jens M		Jane		J.	Walter	Alton J.	Pam	Jesse	Tom	Frank J. Jr. Olga I.	Tom	Tom	raymond E.		
Last Name Cross & Whyte	وب	٠,	Cross & Whyte	St. Anthony	St. Anthony	Hitching	Hutchinson	Ward	Ward	C.A.W.	C.A.W.	Ward	Ward	Ward	Ward	C.A.W.	Ward	C.A.W.	C.A.W.	C.A.W.	C.A.W.	Ward	C.A.W.	C.A.W.	C.A.W.	Barker	Barker	Barker	Barker	Mard	Dennis Hand	Ward	Sull 14::o=	Brazzon Rrazzon	Burler	Braziel	Braziei	Walker	Roberts		
H File Num T-1249-S-2	T-1249-5-3	7-S-6471-1 L-1249-S-V	T-0920	T-1017-S	T-1017	T-0485	T-0485-S	T-1237	T-1238	T-1184	T-1185	T-1133	T-1134	T-1135	T-1136	T-1186	T-1180	T-1189	T-1188	T-1190	T-1191	1-113/	T-1187			1-0433	1-0436	7.07.24			•			•		T-1455-Exp1	•	1	T-0771 R		
Rec ID 1498	1499 1501	1500	1119	1236	1235	602	603	1483	1484	1426	142/	1207	1360	130/	1308	0761	1422	1431	1430	1432	1360	1420	1429	17.25	541	247	542	543	1485	1544	1414	1721	1364	1719	1118	1703	1/18	1052	904		

	Drill Date			19770000	198103	19770000		106210	010001	196311	196305	196702	1935	19861216	10030113	12000113	expired	19840521	19831011	19840409	Expd	19860522	77(040/1	0-11-13	EApa	Expd	19870803	196501	196507	196405	196008	195108	195312	19831118	195409	19840223	Exmd	10/01	0+6	cxpa	1948	9820912	Expd	20926	010	1950	950	1942
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20 + CA	water Amt	3 Af /Vr	73 45 /2-	11/14 (4 01/AC	O AL/AC	test	1191 Af/Ac	422 Af /Ac	1361 AF/An	126.1 45.74	1341 AI/AC		3 Af/Yr	3 Af/Yr	3 AF/V=	3 46/0	3 15 /II	3 At/Yr	3 At/Yr	test	3 Af/Yr	3 Af/Yr	test	test		l and	T die	rdna	Tdne	idns	supl	Bupl	Bupl	supl	3 Af/Yr		3 AE/Yr		3 45/Vr	0 1 46 /22	0.1 Ar/Yr	5 At/Yr	supl	3 Af/Yr	3 Af/Yr	3 Af/Yr	3 Af/Yr
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First Name		Connie	Alton J.	Larry Teresa	Fay F.								Robert and Rachal	Mohile umen	1 C1	J. Carlene	Burl	Tom	Thomas J.		II. S. Army	con una													II.S. Army	(mru :)												٠
Last Name	D - 1	Moderts		Vall Winkle	noore	W.S.M.R.	WSMR		ENCOME.	anon:	Moral Maria	White Sands Ranch	Burton	Whites Lone Star	Reid	Cot == 1	Taidea	Kruczek	Kruczek	W.S.M.R.	W.S.M.R.	W.S.M.R.	a W S	M M S M	0 A 0 3	W. O. H. R.	T.O.T.K.	W.O.A.K.	W. S. R.	W.S.M.R.	W.S.M.R.	W.S.M.R.	W.S.M.R.	W.S.M.R.	W.S.M.R.	W.S.M.R.	San Anoughtine Rench	M. P. W. P.		San Augustine Kanch	В. Е. М.	B.L.M.	W.S.M.R.	San Augustine Ranch				oem Augustine Nanch
File Num	T-1483	T-1173	T-0839	T-1205	C071 +	1/00-1	1-15/0-S	T-1570-S-2	T-1570	T-1570-8-3	T_0333	1-0232	T-1418	T-0370	T-1372	T-0866	T_0704	1000 E	1-0653	T-06/4	T-0892	T-1732	T-0660	T-0717	T-1497-E	T-0688-5-00	T-0688-5-10	T-0689-C-08	1 0000 5	1-0088-5-06	I-0688-S	T-0688-S-03	T-0688-S-04	T-0688-S-05	T-0793	T-0747	T-0284	T-0746	T-0283	T_0/10	1-0410	1-0411	-S-11	T-0279	T-0285	T-0282		
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lise	dom	atk stk	atk	mun mil dom	mun mil dom	exploration	mun mil dom	expl monttor	expl monitor	expl monitor	Btk	mun mil dom	data monitor	expl monitor	test obs.	test mon	test obs.	expl monitor	data monitor	monitor	monitor data	Cond	dom	expl monitor	military dom	Expl	expl monitor	military dom	military dom	expl monitor	military dom	military dom	Expl	Exp1	expl monitor	construction	Tud dom	dom	dr & san
Well Location	22S04E22 200					22S04E24 144	22S04E24 212						-								• •				23S05E08 210	-			23S05E09 440		23S05E15 430	23S05E16 110	٠.	23S05E16 341	23S05E31 111				26506EZ0 2(N%)
First Name															U.S. Army		U.S. Army					Tom	Larry		Fort Bliss Texas			Fort Bilss Texas	Fort Bliss Texas		Fort Bliss Texas	Fort Bliss Texas				Company Inc.		Eliseo E.	Reigh (M.D.)
Last Name	San Augustine Ranch	San Augustine Ranch	San Augustine Ranch	W.S.M.R.	W.S.M.R.	W.S.M.R.	W.S.M.R.	W.S.M.R.	W.S.M.R.	W.S.M.R.	San Augustine Ranch	W.S.M.R.	W.S.M.R.	W.S.M.R.	W.S.A.K.	W.S.A.K.	X. X. X.	X. X. X.	K.S.M.R.	X. X. X.	W.S.M.R.	Braziel	Perry	W.S.M.R.	Army Deptartment of	W.S.M.R.	W.S.M.R.	Army Deptartment of	Army Department of	W.S.M.R.	Army Deptartment of	Army Deptartment of	W.S.M.R.	W.S.M.R.	W.S.M.R.	Ortega Construction	El Paso Natural Gas	Fernandez	reck
File Num	T-0287	T-0280	T-0281	T-0688-S-02	T-0688	T-0536	T-0688-S-07	T-0446	T-0476	T-0478	T-0278	T-0688-S-12	T-0/44	T-0/18	1-09/4	1-0806	I-09/5	1-0441	1-0/45	1-06/3	T-U6/5	T-1480	T-1680	T-0440	T-0944	T-1733	T-0438	T-0945	T-0946	T-0439	T-0947	T-0948	T-1734	T-1516-E	T-0477	T-1015	T-0243-S	T-1590 T-0020	1-0939
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Rec ID	368	361	362	844	842	699	849	558	593	595	359	854	921	999	000	1100	1100	747	776	770	679	1/23	1930	548	1143	1983	546	1144	1145	547	1146	1147	1984	1761	594	1233	310	1138	1130

MANAGEMENT STATES

FILE NUM	H LAST MANE				Part of the second second second		1.000		3
		FIRST NAME	WELL LOCATION	DESIGNATION	nse	VATER ANT	ACDEAGE		
1-1856	FRITZ	NORBERT	DASODE01					I CHI	DRILL DATE
1-1857	MCGRATH	MICHAEL F.		/4 NE 1/2		3 AF/YR	200	DECL	1052
1-1858	BAKER				XO 2	3 AF/YR	_	PERM	1080
1-1859	IMMACULATE CONCEPTION CHIPCH JONACIO ENGINE	SUACTO CUBTOURS				3 AF/YR		PERM	1000
1-1860	RATKA	TOWNER CARLINDEZ	•	/4 NU1/4	WANTS 12.72 AF/YR 4	4.24 ACRES			6061
1-1861		INCINE.				TOR CENETARY 3 AF/YR	•	DEDM	1080
1-1862	3	JUE B., FRANCES E.			Mod	3 AF/YR	- 4	DEDM	1909
T-1047	5	KENNETH	15S10E16	SE1/4 SW1/4 NE1/4	IRR. STK. DOM. 2			E NE	
2001		JANET L.	15S10E33		-	2 AF/YR	2	DECL	1975
1		MICHAEL	18S09E13				a.	PERM	
T-1866	nses		22SUAF14		DOM:		⋖	APPL.	
1-1867	BRANDON	DONNA		SW1/4 NE!/4		3 AF/YR	EXPL.	EXPL. WELL PERM	
1-1868	FRANCIS	EDWARD ANDREA				3 AF/YR	Δ.	PERM	1989
1-1869	ERBES	JAMES R				3 AF/YR	α.	PERM	1989
1-1870	BOYCE	ARMOIN U DOBOTUA			DOM 33	S AF/YR	۵	PERM	1080
1-1871	STAGGS	INC. CUIDICK			DOM	. AF/YR	۵	PERM	1080
1-1872		JOE, SHIRLEY			DOM 3	AF/YR		DEDM	1707
1-1873		BEN, JANE		SW1/4 NE1/4 NE1/4 DO	DOM, IRR 6	AF/YR		יראי	1989
T-1874		KANGUILINO		142 S		AF/VD		ָ	1975
1.1075		RONALD	16S11E05	.3 OF LOT 4 Dr			Σ /	FCK3	1989
1013	KLAND	JOHNNY B.	14S09E35 2		710		ď	PERM	1989
1-18/6	*	GREGORY	17S09E13 3		10 House		Z	PERM	1989
T-1877	PASE	CHARLES, SHIRLEY		10 tot 10	£ :	AF/YR	2	PERM	1989
T-1878	HANEY			Ļ	30M	AF/YR	P	PERM	1989
T-1879	RUPP	IRA		341/4 SE1/4 LOI 15	m		2	PERM	
T-1880	ZIMMERMAN	EMANUA: 10FMF			COND	AF/YR	2	PERM	1989
1-1881	in squan	WILLIAM VICKI		132 DOM	£	AF/YR	A	PERM	1989
1-1882	~	141 T. C. C. C. C. C. C. C. C. C. C. C. C. C.			¥	AF/YR	2		100
1-1883	٠	MAL GEODGE E TENETIA I			DOM, STK 3	AF/YR	PG		1989
1-1884	F7.1	or c., 100 ica c.		N1/2 SV1/4 NE1/4 DOM	E	AF/YR	PE		
			08S10E03 NI	NW1/4 SE1/4 NW1/4 DOM	¥ 3	AF/YR	A	PERM	
1-1885		ROY E.	18S09E02 22	222 DD	DOM. STK		! !		
1886		JACK	17S10E07 13	132	•	Ar/ 1K	PE		1989
1-1887	CHESSER	DEE W.			n		PE	PERM	1989
T-1888	GREEN	MARVIN & NILADINE			M	AF/YR	PE	PERM	1990
1-1889	CHELF				M	AF/YR	PE	PERM 1	1989
1-1890	WHITE	JESSE 1	•		M	AF/YR	PE	PERM 1	1989
1-1891	SHARPE	REVEDI Y A		7/LMN 7/LMN	M	AF/YR	<u>8</u>	PERM	
1-1892		" L. BCVERLI A.		SW1/4 SW1/4 NW1/4 DOM	ĸ	AF/YR 3	DE	ARATION	1074
			15S10E13 SE	SE1/4 SW1/4 NW1/4 STK	3	AF/YR	DE		•
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FILE MON	LAST NAME	FIRST NAME	WELL LOCATION	DESIGNATION	USE	WATER ANT	ACREAGE	WATER ANT ACREAGE INST	DRIII DATE
1-1893	COMPARY	***************************************				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
1007		AND BELLEVIEW	16810E05	231	DOM	3 AF/YR		PERMIT	1001
1-1694	KAMBO	WILLIAM D.	15S11E23	321	DOM	3 AF/YD		F 2 H C L C	2000
1-1891	SHARPE	KEITH L. BEVERLY A.	09S13E05	133				YEKSI I	0661
T-1895	GARMAN	MARY C.	08S10F04	SU17, SE17, WILL	***			WELL RECORD	1989
1-1896	GARMAN	MARY	08610604	1			m	DECLARATION	1956
1-1897	TESTA		10001000	MW1/4 NW1/4 SW1/4	, STK	3 AF/YR	2	DECLARATION	1956
T-1808	21000	MINE C.	15STUE 29	NW1/4 NW1/4 NE1/4	HOQ	3 AF/YR		PERMIT	
0001		JOHN S.	16S10E33	432	MOQ	3 AF/YR		PERMIT	1001
1000	AMA	DAVID	16511E05	SW1/4 NW1/4 LOT 23	₩0a	3 AF/YR		DEDMIT	2
T-1900	GEORGE	GERALD WAYNE	13S10E31	331		Z 45/VD		LEVEL I	1
T-1901	AMERICAN LODE CORP.		19S12E13	2/1nv 5/1ns	2	3 Ar/rK		PERMIT	1990
T-1901-S	AMERICAN LODE CORP.		19S12E13	Su1/2 Nu1/2	5	1050 AF/TK	-	סבכר	1887-1902
1-1902	HERRELL	TOMMIE		NU1/6 SU1/6 SU1/6 MU1/6		TUU AF/YR	_	DECL	1902
T-1903	HERRELL	TOWNIE				S AF/YR	_	PERMIT	
1-1904	HERRELL	TOWNIE		7/L NA 1/4 NA 1/4 NA 1/4		3 AF/YR	_	PERMIT	
1-1905	HEBBELL	TOWNIE				3 AF/YR	_	PERMIT	
1-1906	119091		(35 IUE35	NET /4 SET /4 SW1 /4 NUT /4		3 AF/YR	_	PERMIT	
1-1907	E COURT	IOMALE	15S10E35	1333		3 AF/YR	•	PERMIT	1990
1000	ייניייייייייייייייייייייייייייייייייייי	IOMMIE		1334	CONDITIONAL	3 AF/YR			1001
1-1906	מכני בייני	TOWNIE		SU1/4 SE1/4 SU1/4 NU1/4	CONDITIONAL	3 AF/YR	-		
1-1909	MCCLEWDON.	M. H. OR EDNA		SE1/4 SE1/4 SW1/4 NW1/4	CONDITIONAL	3 AF/YR		PERMIT	
0161-1	JW JONES CONSTRUCTION CO.		06S08E35	111	2				1000
1-1911	BAILEY	DAVID	14S09E34	NE1/4 NE1/4 NE1/4					
T-1912	WORRELL	BETTY J.	16S09E13	•				רבאשון מרמים	
T-1913	HOBBS	DONALD	06S11E05	341					DASI.
T-1914	DANLEY	DWANE OF EFFIE					•		0661
1-1915	ANDERSON	KENNETH					<u>.</u>		1990
T-1916	DUGGAR	GREG M.					•		1990
1-1917	DUGGAR	M 0385			, STK		a.	PERMIT	1989
1-1918	DUGGAR	. 1		4 NWI/4 NE1/4		AF/YR		DECLARATION	1982
1-1919	DIGGAP	מערם ש.		.	, STK	3 AF/YR	3	DECLARATION .	1977
1-1920		פאנה שי	U8512E35	LOT 3	STK	AF/YR		DECLARATION	1977
1-1921	BRAZIEL	D NHO!	15511631		COMBINED WITH SURFACE WATER	ICE WATER RIGHT	. 4386		
1-1022	1000			3/LMN 4/LMS	₹	AF/YR	}	PERMIT	
7741-1	טאריטהא	JAMES		NE1/4 SE1/4	DOM 33	AF/YR	•	PERMIT	
1-1925	IALL	אורו	16S10E06	SW1/4 LOT 8	DOM 33		•	PERMIT	
1-1924	MACIAS	JOSE L. & JAN MARIE	16S09E26 4	42	DOM 3		. Д.	•	1001
1-1925	TAUL	RAY L.	18S10E24	122	¥OO				2 6
1-1926	RUPP	IRA	16S11E05 2	0	DITIONAL				0661
T-1927	CARTER	LINDA F.	15S10E20 2	214					064
					,	אוייא	L		0861

		FIRST NAME	WELL LOCAT	TON DESIGNATION	USE	UATED ANT			
1-1928	ВОЛИА	INCEDIA					ACKEAGE	INST	DRILL DATE
1-1929	DARR		1/S10EU/	132	MOQ	3 AF/YP			
T-1040	THE HOUSE STRUCTURE	22.1	14S10E12	223	¥00	3 AC /VD		FERMI	1990
9000	STEPHENSON'S KANCH INC.		09S09E24	222	71.0	3 AT / 1K		PERMIT	1990
1581-1	KETCHAM	BRIAN	17S10E17		318			PERMIT	1990
1-1932	PITSCH	WILLIAM 1.	18S09F13		W O 1			PERMIT	1990
1-1933	NUNLEY	ROY L.	12c10e31		¥00	3 AF/YR		PERMIT	1000
T-1934	HUBER	HAROLD	1800001		STK	3 AF/YR		PERMIT	1001
1-1935	LUJAN	3301 108E	185UYE 24		DOM	3 AF/YR	_	PEDMIT	1000
1-1936	BRAZIFI	100	15810E33		DOM	3 AF/YR	•		1990
T-1937	HAVE	5	17S10E17	543	CONDITIONAL		- •	rekal I	0661
T-1020	35.10	NHOC	14S09E35	3424	# T	Z / Z / N	=	PERMIT	1990
1717	JUHNSON	DALE	15S10E16	2131	5 6	5 Ar/TR	~	PERMIT	1990
1-1943	PENN	LAMONT		2 SE1 2/ SU1 2/	End.	3 AF/YR		PERMIT	1990
1-1944	KIMMELL	WALTER			IKK, DOM, STK	10 AF/YR	14 AC C	DECL	1981
T-1945	BURGESS	ANTHONY J. & RUTH A.			HOS	3 AF/YR	-	PERMIT	1990
T-1946	GILLIGAN	TEX			X 00	3 AF/YR	•	PERMIT	1990
T-1947	GALLEGOS	CHRISTOPHER			₩	3 AF/YR	ш,	PERMIT	1990
T-1948	EAST	CHABLES			DOM	3 AF/YR	a.	PERMIT	1001
T-1949	BEHL ING	DARRELI		1/4 LOT 21	₩OQ.	3 AF/YR	α.	PERMIT	
1-1951	HELDT	JAMES D			MOD	3 AF/YR	•	PERMIT	1001
1-1953	CHILDRESS	ROREDT & TANAV			DOM	3 AF/YR	ته	PERMIT	1991
T-1955	CHILDRESS	DODEST & TAMES			МОД	3 AF/YR	. Δ	PFDM11	0661
T-1956	JACKSON	COBERT & LAMMIT		NU1/4 NU1/4	STK	3 AF/YR	. Δ	DEDMIT	,
1-1958	ROI IN	JOHNNIE		SW1/4 SE1/4 DI	DOM, AG	3 AF/YR	<u> </u>	C. 4041.00	
1-1050	GODDON	DORRIS		131 Di				DECLARA! ION	
1-1060	000000	JOHN S.		141 D(¥00		. i	PEKM1.	1990
7-1063	ZHENZ	RAYMOND W.	15S10E22 2	231 DC	¥00		S	PEKMIT	1990
1,1067	IORBULL	G. BRIAN	14S09E26 W	W1/2 SW1/4 NE1/4 NW1/4 DC			a.	PERMIT	1990
0061-1	AI CCI XX	TOMMY A.	16S10E17 N				ā.	PERMIT	
T-1967	НАМ	DON			5 2		4	PERMIT	
T-1968	MAYER	RICHARD			E 100		đ	PERMIT	
1-1969	BERRY	LARRY F.			X 00		P	PERMIT	
1-1970	MARTINEZ	JULIAN D.		NW 1/4 NE 1/4		3 AF/YR	<u>a</u>	PERMIT	
1-1971	FELDBUSCH	NICHOLAS		•	DOM, STK	3 AF/YR	ď	PERMIT	
1-1972	MILLER	SCOTT A		NE 1/4	DOM	3 AF/YR	P.	PERMIT	
1-1974	НООО	ROBERT & THEBECA			MOM	3 AF/YR	P	PERMIT	
1-1975	FOSTER	IOHN E			МОМ	3 AF/YR	8	PERMIT	
1-1976	BERGER				MO4	3 AF/YR	: <u>H</u>	PERMIT	
			13S11E34 SE	SE1/4 SE1/4 NE1/4 DOM	¥	3 AF/YR	. 4	PERMIT	
							,	•	

Application Status - Location Map 7-125 (99.) SE-1911 = 10 Control of the Contro T-550 6 Abs. 1 135 7-1038 F-T-0997 T-0995 J-0618 I-1080 - NIGN 175 T-8586 FOLGO'S I-0456 J-0894 T-0955 195

DATE: June 1, 1990

DISTRICT 4, LAS CRUCES BASIN: TULAROSA

STATUS	Recommendation to contact of the second	Recommendation to Santa Fe 1/30/90	Protested	Pending receipt of documentation from applicant	Pending district office ection	Pending disposition of prior filed	applications Pending receipt of affidavit of	Publication Recommendation to Santa Fe to cancel	Pending receipt of affidavit of publication	Pending issuance of notice for publication
DATE AFFIDAVIT FILED	1/24/90	11/28/89	1/05/90	3/26/90	3/30/90	4/11/90				
DATE NOTICE ISSUED	10/23/89	10/23/89	12/08/89	2/16/90	3/01/90	3/15/90	5/03/90		5/24/90	
DATE APPLIC. FILED	68/90/6	10/18/89	12/06/89	2/13/90	2/20/90	3/15/90	3/21/90		5/23/90	5/29/90
PROPOSAL	Change Location of Well	Change Location of Well	Change Location of Well, Place and Purpose of Use	Change Location of Well	To Appropriate	To Appropriate	Supplemental	Cancellation of Permit	Change Location of Well	To Appropriate
FILE NO.	T-1864	T-471 into T-1864	T-1523 into T-321	T-1797-S-7	T-1920	T-959	T-1570	T-464	T-1357	T-1961
APPLICANT	Michael Riley	Michael Riley	Donald A. Weber	Harvey E. Yates Co.	Greg M. Duggar	Zivadin Babich	White Sands Missile Range	Henry B. and Shirley Polson	Richard and Tonya Richardson	Eileen M. Serna

DATE: June 1, 1990

TRICT 4, LAS CRUCES IN: TULAROSA

, STATUS	Pending disposition of prior filed applications	Pending disposition of prior filed applications	Protested	12/30/86 issued emergency authorization; protested 2/2/87	Pending disposition of prior filed applications	Protested	Transmitted to Santa Fe 11/10/87	Denied 1/19/90; Hearing requested	Pending disposition of prior filed applications	Pending disposition of prior filed filed applications	Pending disposition of prior filed applications	Pending disposition of prior filed applications	Pending disposition of prior filed applications
DATE AFFIDAVIT FILED	2/28/86	98/60/1	12/01/86	1/29/87	5/08/87	8/03/87		10/20/88	9/12/88	6/02/89	5/30/89	9/11/89	9/29/89
DATE NOTICE ISSUED	12/16/85	6/13/86	10/21/86	12/30/86	4/14/87	7/08/87		9/26/88	8/11/88	4/28/89	4/27/89	8/17/89	68/80/6
DATE APPLIC. FILED	12/11/85	98/70/9	10/08/86	12/22/86	4/08/87	6/29/87		7/08/88	8/04/88	4/19/89	4/19/89	8/11/89	8/28/89
PROPOSAL	To Appropriate	, To Appropriate	Change Location of Well	Change Location of Well	To Appropriate	To Appropriate	Cancellation of Permit	Continue with Pre-Basin Intent	To Appropriate	To Appropriate	To Appropriate	To Appropriate	To Appropriate
FILE NO.	T-1265	T-1341	T-294	T-1255	T-1483	T-1530	T-1151-S	T-1000-C	T-1707	T-1805	T-1806	T -1284	T-1859
APPLICANT	meth Henderson	/id Rankin	ck Hills Ranch	S. Army, Holloman AFB	mie K. Roberts	ı C. Abercrombie	ton Chestnut	liam Danley	my and Joy Yarbrough	ert and Patsy Chavez	'vin Murphy	and Simpson.	aculate Conception Catholic Church

RICT 4, LAS CRUCES N: TULAROSA

DATE: June 1, 1990

APPLICANT	FILE NO.	PROPOSAL	DATE APPLIG. FILED	DATE NOTICE ISSUED	DATE AFFIDAVIT FILED	
H. Torres	T-1038	To Appropriate	12/12/84	12/14/84	1/29/85	Pending disposition of prior filed
iam F. Miebach	T-689-Enlgd	To Appropriate	1/30/85	2/06/85	3/04/85	Pending disposition of prior filed applications
Wareing	T-1080-Enlgd	To Appropriate	3/29/85	4/01/85	6/26/85	Pending disposition of prior filed applications
olmn M. Ramsey	T-864	To Appropriate	4/15/85	4/18/85	5/29/85	Protested 5/17/85
y Salomon	T-955	To Appropriate	6/25/85	7/01/85	8/29/85	Pending disposition of prior filed applications
ton D. Hooser	T-1162	To Appropriate	7/31/85	8/02/85	9/09/85	Protested 8/28/85
a J. Ward	T-1180	To Appropriate	8/21/85	8/26/85	10/09/85	Pending disposition of prior filed applications
a J. Ward	T-1184 thru T-1193	To Appropriate	8/28/85	9/05/85	11/04/85	Pending disposition of prior filed applications
re Jan Patneaude	T-903	To Appropriate	8/28/85	9/11/85	10/09/85	Pending disposition of prior filed applications
n Sanchez	T-995	To Appropriate	8/28/85	9/02/85	10/09/85	Pending disposition of prior filed applications
j N. Rankin	T-1196	To Appropriate	9/04/85	9/10/85	10/09/85	Pending disposition of prior filed applications
ı J. Ward	T-1236 thru T-1244	To Appropriate	10/09/85	10/11/85	12/02/85	Pending disposition of prior filed applications

DATE: June 1, 1990

FRICT 4, LAS CRUCES
IN: TULAROSA

STATUS	Protested; pending disposition of prior filed applications	Pending disposition of prior filed applications	Sent to Santa Fe 11/05/84 (NOTE: apparently should be changed to declaration number); applicant filed claim of right 11/06/85	Pending disposition of prior filed applications	Pending disposition of prior filed applications	Protested; pending disposition of prior filed applications	Pending disposition of prior filed applications	Protested (NOTE: Previous file No. 3936 changed to declaration number 03411 3/09/90); original original refiled 3/04/87	Pending disposition of prior filed applications
DATE AFFIDAVIT FILED	12/27/83	3/14/84	11/05/84	6/25/84	7/23/84	8/10/84	12/10/84	11/05/84	5/08/87
DATE NOTICE ISSUED	11/07/83	2/09/84	78/90/6	5/18/84	6/22/84	7/23/84 & 2/25/85	10/05/84	10/01/84	3/20/87
DATE APPLIC. FILED	11/03/83	2/03/84	4/18/84	5/16/84	78/90/9	7/12/84	8/31/84	10/01/84	9/12/84
PROPOSAL	To Appropriate	To Appropriate	Temporary Change Point of Diversion & Place & Purpose of Use	To Appropriate	To Appropriate	To Appropriate	To Appropriate	Change Partial Point of Diversion/Surface	Application to Supplement and Appropriate
FILE NO.	T-734 thru T-734-S-5	T-805	3917(T) (T-371/T-578)	T-894	T-916	T-944 thru T-948	T-997	Т-996 & 03411	T-996
APPLICANT	y of Alamogordo	old M. Guthrie	es V. Hiles .	rge or Blanche Johnson	redo Ramon Paz	L. of the Army/Ft. Bliss	vin Morris	teine M. Baird	ceine M. Baird

DATE: June 1, 1990

TRICT 4, LAS CRUCES IN: TULAROSA

APPLICANT	FILE NO.	PROPOSAL	DATE APPLIC. FILED	DATE NOTICE ISSUED	DATE AFFIDAVIT FILED	STATUS
y Lou Bloom	T-399	To Appropriate	7/28/82	8/05/82	9/02/82	Recommendation to Santa Fe 9/07/88
ry J. Schoefield	T-400	To Appropriate	7/28/82	8/05/82	9/02/82	Recommendation to Santa Fe 9/07/88
e H. Sandifer	T-416	To Appropriate	8/09/82	8/19/82	9/16/82	Letter to applicant 5/03/90'
n & Lila Juul	T-424	To Appropriate	8/09/82	10/18/82	11/17/82	Recommendation to Santa Fe 5/25/89
ard & Elsie J. Grabman	T-429	To Appropriate	8/16/82	8/30/82	9/28/82	Recommendation to Santa Fe 5/10/89
: H. Rowland	T-430	To Appropriate	8/25/82	9/02/82	10/05/82	Recommendation to Santa Fe 6/12/89
nes H. & Jane N. Barker	T-434, T-435 & T-436	To Appropriate	9/01/82	9/02/82	10/05/82	Recommendation to Santa Pe 5/02/89
non Goakes & Joy G. & C. Wetterholm	T-444	To Appropriate	9/10/82	10/19/82	11/23/82	Recommendation to Santa Fe 5/08/89
red B. Arana	T-456	To Appropriate	10/06/82	10/08/82	.11/03/82	Recommendation to Santa Fe 5/16/89
bert M. Ortiz	T-466	To Appropriate	10/14/82	10/18/82	11/26/82	Recommendation to Santa Fe 6/12/89
vis T. & Melda Reed	T-529	To Appropriate	1/12/83	2/08/83	3/29/83	Recommendation to Santa Fe 6/07/89
G. & Rosalyn Frazier	T-569	To Appropriate	4/20/83	4/21/83	5/23/83	Recommendation to Santa Fe 7/13/89
ırles H. Hartman	T-586-En1dg	To Enlarge/To Appropriate	4/27/83	5/05/83	6/01/83	Letter to applicant 8/17/89
Darrell Morgan & Rufus :rell	T-628	To Appropriate	6/08/83	6/15/83	7/20/83	Recommendation to Santa Fe 6/27/89
eresa Elbendary	T-725	_To Appropriate	10/12/83	10/21/83	11/28/83	Protested; pending disposition of prior filed applications

DATE: June 1, 1990

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TRICT 4, LAS CRUCES

N: BUECO

Transmitted to Santa Fe 5/06/86 for Pending disposition of prior filed application; temporary permit HU-91(T) issued 5/24/83 Protested; hearing requested STATUS Protested 5/23/85 Protested 2/20/85 Protested Protested Protested Protested action AFFIDAVIT 5/14/85 10/08/85 5/06/81 5/09/83 8/10/84 4/01/85 4/01/85 2/15/85 4/16/85 DATE FILED 3/06/85 € 3/27/85 3/27/85 8/26/85 7/13/84 2/25/85 1/24/85 2/27/81 3/14/83 2/25/85 DATE NOTICE ISSUED 3/06/85 7/19/85 12/24/80 3/14/83 7/12/84 1/22/85 2/19/85 APPLIC. FILED DATE Amended Appropriations Amended Appropriations Supplemental Well PROPOSAL To Appropriate To Appropriate To Appropriate To Appropriate To Appropriate To Appropriate HU-119 thru HU-126, HU-128 HU-107 thru HU-110, HU-106 thru HU-130 HU-159 thru HU-193 HU-112 thru HU-117 HU-153, HU-153-S, FILE NO. HU-156 & S HU-153-S-2 HU-93-S HU-79 HU-91 ke Section Water Company G Maintenance Co., Inc. 3 Maintenance Co., Inc. ot. of Army/Ft. Bliss ot. of Army/Ft. Bliss pt. of Army/Ft. Bliss APPLICANT ate Land Office 1 D. Merrill u Mathews

Water Rights
Information, NMOSE
Administrative Area,
Memo from OSE to
SMWCC

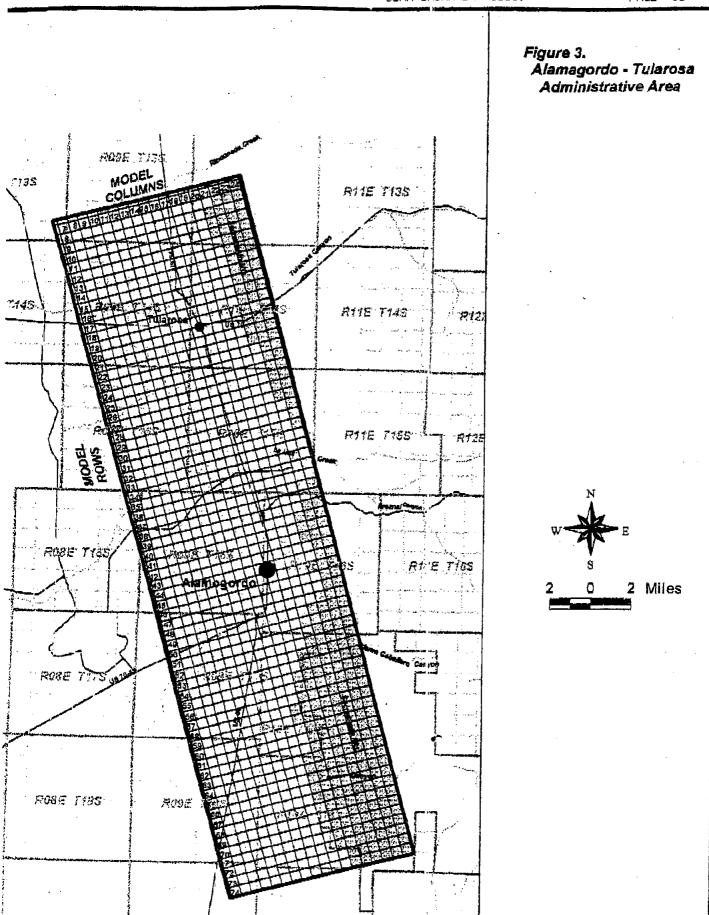
APPENDIX

5.3

ROUE TISS

R008 7 45

STOR TIPS



8.7. Adequacy and Reliability of System

A water supply system is considered to be fully adequate if it can deliver the required fire flows to all points in the distribution system with usage at the maximum daily rate. When the delivery is also possible with the most critical limiting component out of service for a specified length of time, depending on the type of component, the system is considered to be reliable (American Water Works Association, 1989, p. 32).

Distribution system components are often taken out of service for maintenance. In addition, system components fail on occasion. For this reason, utilities should construct their distribution systems with loops, backup pumps, backup power supplies, and storage tanks so that if any component fails or is out of service the effect on the availability of water is minimized.

9. WATER RIGHT REQUIREMENTS AND LIMITATIONS

9.1. Doctrine of Prior Appropriation

In New Mexico, water resources are administered under the Doctrine of Prior Appropriation. A person who takes water and applies it to beneficial use is an appropriator; and the taking of the water constitutes the appropriation, which includes a priority date. This priority entitles the appropriator to receive a full appropriation before those with junior, or more recent water rights receive their appropriations.

9.2. Owning a Water Right

All natural waters in streams and watercourses, or underground, belong to the public and are subject to appropriation. An appropriation water right, like equipment or furniture, is considered property and can be separated from the land and transferred to another location subject to statutory requirements. The appropriator "owns" only the right to use the water and not the "corpus," or body of water itself. Beneficial use is the basis, the measure and the limit of the right and priority in time gives the better right. All beneficial uses are considered equal regardless of the value resulting from the use. Municipalities, county governments, and certain other political subdivisions of the state may condemn water rights for public purposes provided that this action is approved by the court and original owners are reasonably compensated.

9.3. Obtaining a Water Right

To obtain a right, an application must be filed with the State Engineer for a permit to appropriate water. The applicant must specify the source of water, purpose and place of use, point of diversion, and amount of water to be used. After the application is filed, the applicant presents all essential facts in a legal notice which is published in a newspaper circulated in the area where the water will

be appropriated, once a week for 3 consecutive weeks. Protests to the application must be filed with the State Engineer within 10 days of the last date of the published notice. If a protest is filed, a hearing may be required before the State Engineer before the application is acted upon. An application will be denied if unappropriated water is not available, if the new use will impair existing water rights, or would be contrary to the conservation of water in the state, or detrimental to the public welfare of the state. If the State Engineer concludes that unappropriated water is available and that other criteria are met, the application is approved and it becomes a permit to appropriate water. The permit states when construction should be completed and when the water will be applied to beneficial use. The completion deadline depends on the size and complexity of the project; and an additional period of time may be allowed for the application of water to beneficial use. When construction is completed, or at the construction deadline, the site is inspected, and a certificate of completion is issued provided that all requirements are met.

This procedure applies to all surface waters, but only to ground water in declared underground basins. When the State Engineer finds that the water of an underground source has reasonably ascertainable boundaries, he can assume jurisdiction over the appropriation and use of such water by declaring the basin. Within a declared underground water basin, no well may be drilled without a permit and drilling may be done only by a well driller licensed by the State Engineer Office. The State Engineer declares and extends basins to protect prior appropriations, to guarantee the water's beneficial use and to ensure the orderly development of the resource. A basin may be declared without prior notice, however, after declaring the basin, a public hearing is required on the declaration within a specified time. The State Engineer has no jurisdiction outside declared underground basins, except to prevent waste. Declaring a basin has no effect on water rights initiated before the declaration date. After that date, however, those wanting a water right or wanting to drill additional wells to fulfill an existing right must apply to the State Engineer for a permit. If the water in a basin has been fully appropriated, no new water rights can be issued. The important effect of declaring an underground basin is that applicants bear the burden of proof to show that unappropriated water is available and that the appropriation will not impair existing surface or groundwater rights, would not be contrary to the conservation of water in the state, or detrimental to the public welfare of the state. Water right owners outside the underground basin boundaries are protected by the appropriation doctrine. If they believe their water right may be impaired, they have recourse to the courts, not the State Engineer.

Applications to appropriate small amounts of underground water for individual domestic use, livestock watering, public works projects such as the construction of highways, and mineral exploration, are exempt from normal administrative procedures which require the advertisement of the application and public hearings, except where there are judicial constraints imposed by state or federal courts. The diversion from a well permitted for any of these purposes is limited to a maximum of 3 acre-feet in any year.

9.4. Quantifying a Water Right

The amount allocated to a new right depends on reasonable need and water availability. For community water systems that will be supplied by groundwater, consideration should be given to economic constraints, maintenance requirements, and limitations of aquifer performance, that may effect the feasibility of pumping a well continuously for extended periods of time. It may also be prudent to provide a margin of safety in the determination of the sustainable yield which allows for some diminishment in well yield over time. Therefore, as a matter of practicality, the diversion right for some community water systems may be taken as a percentage of the production capacity of the existing well, provided that this value does not exceed the amount of water specified in the water right application.

9.5. Changing Ownership

If the seller of a parcel of land has water rights that the buyer expects to obtain with the property, the buyer should require that the water right be conveyed in the property deed and that all documents related to the water right be conveyed to the buyer. Under a 1996 state law, the buyer must file a change of ownership form in the State Engineer Office and then at the county clerk's office in the county where the water right is located. Those who inherit or purchase water rights must also complete and file a change of ownership form.

9.6. Separating a Right from the Land

Although the right to water is conveyed with the sale of irrigated land, unless reserved in the deed, a water right can be sold separately from the land and applied to a new use in another area provided that the transfer will not impair other rights in the move-to location, would not be contrary to the conservation of water in the state, or detrimental to the public welfare of the state.

9.7. Changing the Place or Purpose of Use

A water right transfer does not always mean a new owner. A transfer can mean that the owner wants to change the use of the water, the amount of the allocation, or the location of a well under a recognized right. Changes in place and purpose of use or changing the location of a well require filing an application with the State Engineer and proof that the change will not impair existing rights, would not be contrary to the conservation of water in the state, or detrimental to the public welfare of the state.

THOMAS C. TURNEY STATE ENGINEER



STATE OF NEW MEXICO STATE ENGINEER OFFICE

tularisa 40 yes

LAS CRUCES OFFICE P.O. Box 729 PHONE: (505) 524-6161 FAX: (505) 524-8160 www.ose.state.nm.us

December 3, 2001



Mr. Eddie Livingston Livingston & Associates 500 Tenth Street Alamogordo, NM 88310

RE: Groundwater modeling scenarios in the Boles Well Field area

Dear Mr. Livingston.

I have applied the Tularosa Groundwater Model, developed by Tom Morrison (1989) to the two scenarios that Mr. Springer requested in his email dated November 4, 2001. Three different runs were made. Run 1 utilized the locations that he referred to in his email dated November 2, 2001 (178,10E.18.432 and 178,10E.19.323) with 4,000 ac-ft/annum spread equally through six cells in that general area. Mr. Springer mentioned Boles Well Field so I modeled 4,000 ac-ft/annum spread equally through six cell in the area where our data shows existing wells (slightly west of the locations provided), this was Run 2. In the last model run I applied 10,000 ac-ft/annum spread equally through 12 cells, encompassing the area referenced and the location of the existing Boles Well Field. The time period for all model runs is 40 years. The following paragraphs explain the process I followed and summarize the resulting data enclosed.

Run 1

Locations provided by Mr. Springer were cross-referenced with the groundwater model grid to determine which cells to use. A 4,000 ac-fi/annum withdrawal rate was spread equally (79,560 cubic-feet/day per cell as the required units for the ground water model) through the following six cells; R56:C14, R56:C15, R56:C16, R57:C14, R57:C15, and R57:C16. The model was run for a 40-year period and results show a drawdown in these cells of 117 to 187 feet (figure 1). Figure 2 shows that when the drawdowns are added to the total drawdown effects of approved applications to date, the total drawdown would be anywhere from 188 to 260 feet in these cells. Not only are there dramatic effects in the cell location, but throughout the general area. Drawdown is more than what would be allowed under the Tularosa Underground Water Basin Administrative Criteria for the Alamogordo-Tularosa Area (Turney, 1997).

Run 2

I again used the 4,000 ac-ft/annum withdrawal through six cells (79,560 cubic-feet/day per cell), however, the location of the six cells in this run are in the area where our data shows the existing Boles Wellfield; R55:C11, R55:C12, R56:C11, R56:C12, R57:C11, and R57:C12. The model

was run for a 40-year period and results show a drawdown in these cells of 84 to 92 feet (figure 3). Figure 4 shows that when the drawdowns are added to the total drawdown effects of approved applications to date, the total drawdown would be anywhere from 148 to 160 feet in these cells. Drawdown effects are not as dramatic in this area as in the previous location. It seems that effects lessen as pumping withdrawal is moved west. They are still however, more than what would be allowed under the Tularosa Underground Water Basin Administrative Criteria for the Alamogordo-Tularosa Area (Turney, 1997).

Run 3

In this scenario I applied 10,000 ac-ft/annum withdrawal through twelve cells (198,900 cubic-feet/day per cell). Cell locations encompass the general area you referenced and the location of the existing Boles Well Field; R55:C11, R55:C12, R56:C11, R56:C12, R57:C11, R57:C12, R56:C13, R56:C14, R56:C15, R57:C13, R57:C14, and R57:C15. The model was run for a 40-year period and results show a drawdown in these cells of 368 to 472 feet (figure 5). Figure 6 shows that when the drawdowns are added to the total drawdown effects of approved applications to date, the total drawdown would be anywhere from 429 to 542 feet in these cells. The extent of the area affected from this hypothetical situation is of course much greater.

I have not reviewed the paper prepared by Larry November that you referred to or the analysis done by Rick Huff, however, based on the Tularosa Groundwater Model, developed by Tom Morrison (1989) and the data I used it seems that these withdrawals would cause significant drawdown, not to mention water quality issues. Freshwater thickness in this area ranges from 0 to approximately 1000 feet with the greater freshwater thickness to the east (Turney, 1997). In many of these cells more than half if not all the freshwater could possibly be effected.

I hope this information helps you with your presentation. If you have any questions or need further information, please call me.

Singerely,

Andrea J. Mendoza, M.S.

Water Resource Master

Low Yield Derivation Climatic Data

APPENDIX

6.1

DERIVATION OF "LOW VALUE" OF 65,609 AFY FOR YIELD FOR EASTERN TULAROSA SUB-BASIN

The estimated sustainable yield of water for the Eastern Tularosa Basin is 129,349 AFY, as shown in Table 6-25. This amount of yield is based upon long-term averages for total precipitation in the Sacramento Mountains, particularly as determined at the Cloudcroft weather station. As noted in Section 6.1.2 and 6.1.3, precipitation, which is comprised of rainfall and snowfall, tends to be very variable, not only in the eastern sub-basin but throughout the planning area. Precipitation, as measured at the Cloudcroft weather station, shows an average of about 26.5 inches per year over a time period of about 100 years (91 years of actual data, since some years are missing). The standard deviation of this data set is about 6.7 inches (~ 25%), a value that is rather large.

Although many people feel that we are in a drought period, it is found by analyzing the precipitation data further that, even though a linear regression fit over the recent time period from 1990 to 2001, inclusive, shows a negative slope (a general decline), the precipitation for every year [except two, 1995 (25.17 inches), and 1999 (21.12 inches)] has been above the long-term average. However, a marked decline in spring and stream flow has occurred over the eastern sub-basin and the Salt Basin within the last few years in particular. This fact may indicate that snowfall in the form of snow pack (even though snowfall contributes only about 30% of the total precipitation, when snowfall is converted to wet water at about 10%) may be a more important parameter in determining yield and recharge; consequently, the yield value of 109,349 AFY can be expected to be on the high side for near-to-mid-term planning.

An analysis of the snowfall data for the Cloudcroft weather station shows that snowfall in the Sacramento Mountains is even more variable than rainfall. The long-term average (from 1914 to the present) is 83.7 inches *. The snowfall data set has a standard deviation of 38 inches, a value that is much larger than that for precipitation. Furthermore, the linear regression fit shows a negative slope of – 2.24 inches per year between 1990 and 2001, inclusive, and the average annual snowfall over that time period is only 67.8 inches, a value that indicates a reduction by about 20% relative to the long-term average. Only three times in the last twelve years has snowfall exceeded the long-term average of 83.7 inches; consequently, a somewhat lower value for sustainable yield might be more appropriate for planning purposes, particularly in view of the substantial downward trend in the amount of snowfall that has been observed over the last decade.

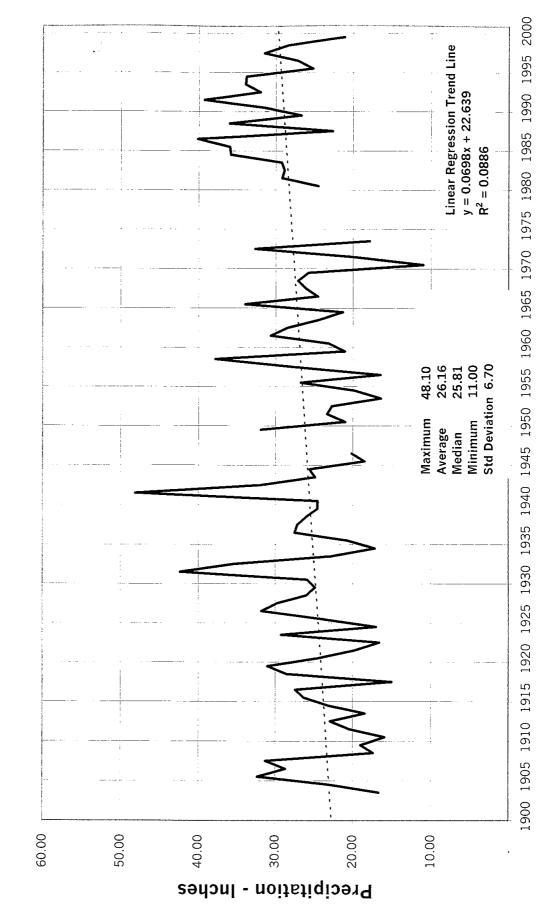
The approached that has been used in this planning document for estimating a reasonable lower yield for the eastern sub-basin has been to analyze the average snowfall over five-year time periods, beginning (somewhat arbitrarily) in the year 1950. The following results are obtained:

YEAR FROM/TO, INCLUSIVE	AVERAGE, INCHES
1950 THROUGH 1954	51.2
1955 THROUGH 1959	83.3
1960 THROUGH 1964	88.7
1965 THROUGH 1969	76.9
1970 THROUGH 1974	N.A.
1975 THROUGH 1979	N.A.
1980 THROUGH 1984	109.6
1985 THROUGH 1989	80.9
1990 THROUGH 1994	78.2
1995 THROUGH 1999	60.4

The lowest five year interval for average snowfall is 51.2 inches per year for 1950 to 1959, inclusive. This value is a 38.8% reduction relative to the long-term average of 83.7 inches. If, in fact, the long-term average were actually 90 inches per year, the 51.2-inch value would indicate a 43.1% reduction. A reasonable reduction by a factor of 40% has therefore been assumed to generate the "low yield" line in Figure ? on Page ?

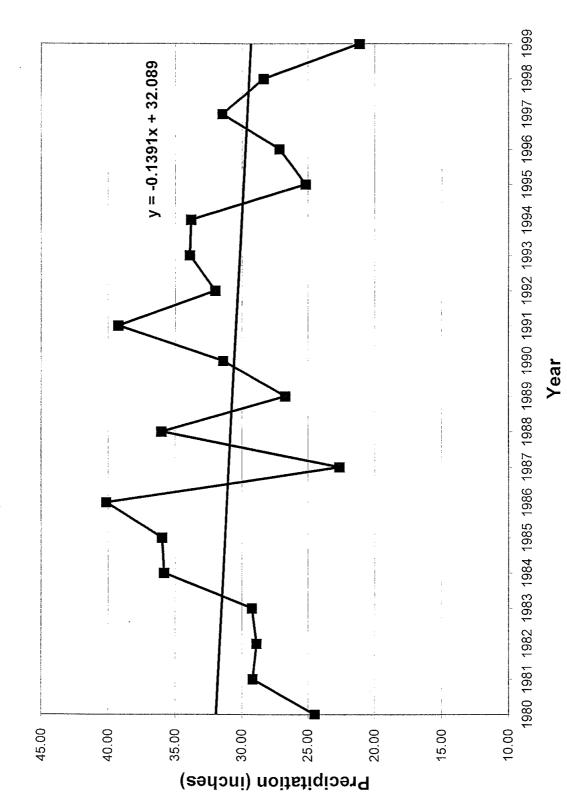
^{*} Snowfall data were reviewed for the Cloudcroft Weather Stations 291931 (from year 1987 to year 2000) and 291927 (from the year 1914 to the year 1987) in order to develop some indication as to the range of deviation of five-year averages relative to the long-term average. The data were obtained from the New Mexico Climate Summary which can be accessed at http://www.wrcc.dri.edu/summary/climsmnm. Although Chamber of Commerce tourist brochures state that the 100-year average snowfall for the Cloudcroft area is 90 inches per year, data were not available from the above source to substantiate that value.

Precipitation in Cloudcroft, NM 1900 - 1999



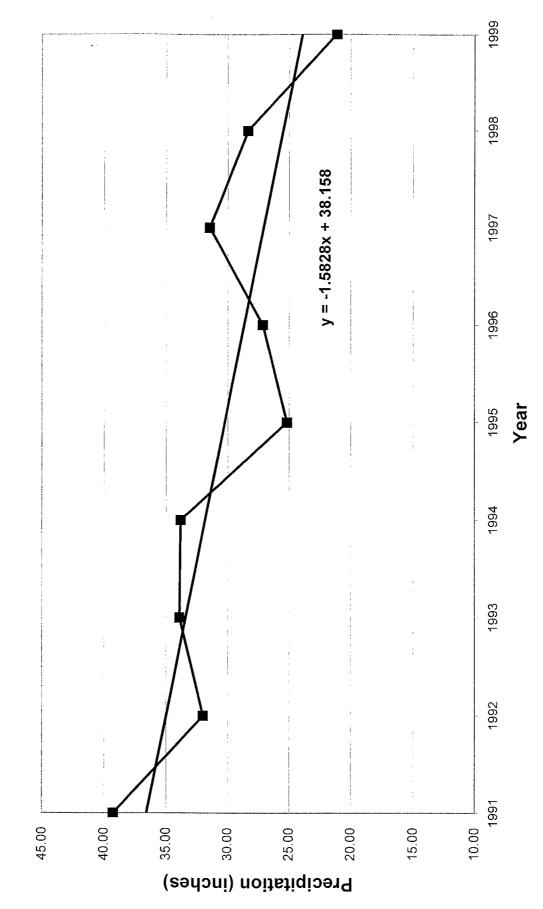
Livingston Associates, P.C. Consulting Engineers

Precipitation in Cloudcroft, NM 1980 - 1999



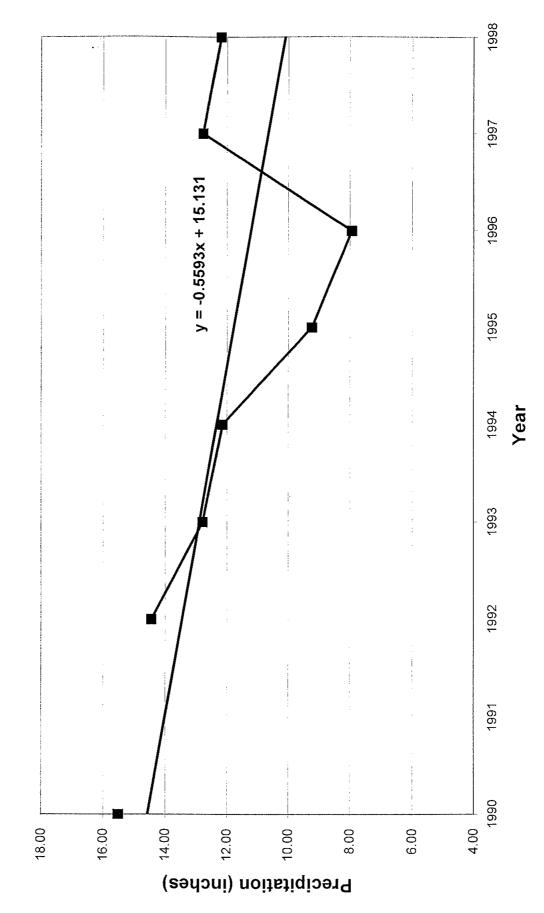
Livingston Associates, P.C. Consulting Engineers

Precipitation in Cloudcroft, NM 1991 - 1999



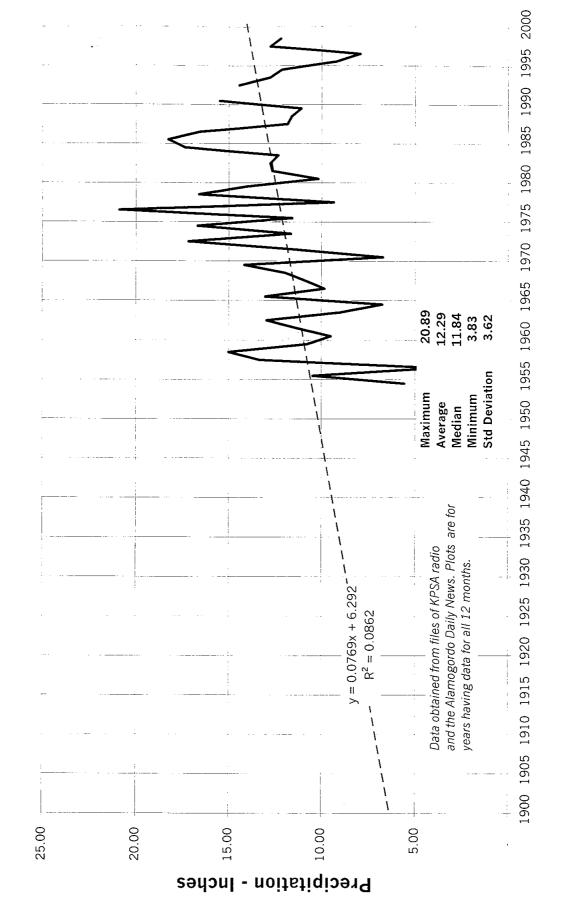
Livingston Associates, P.C.Consulting Engineers

Precipitation in Alamogordo, NM 1990-1998

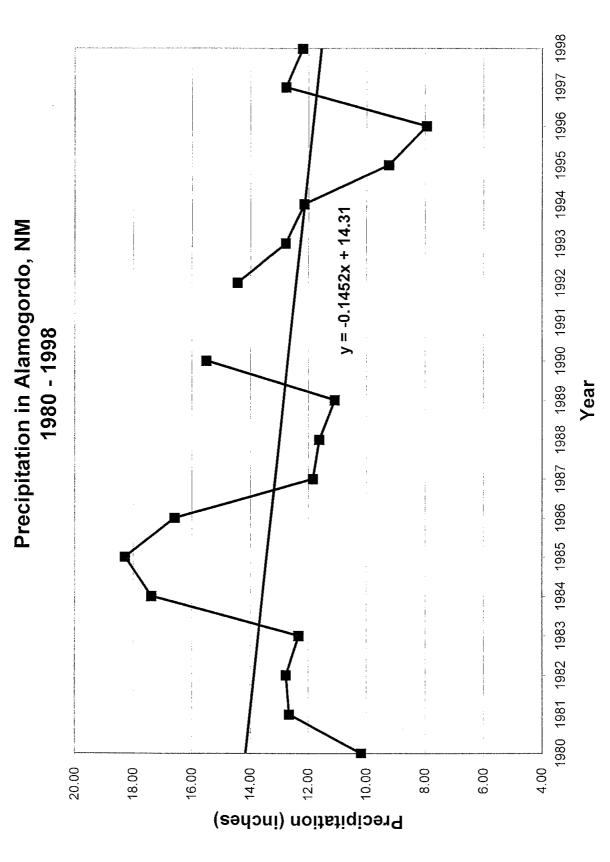


Livingston Associates, P.C. Consulting Engineers

Precipitation in Alamogordo, NM 1900 - 1999



Livingston Associates, P.C. Consulting Engineers



Livingston Associates, P.C. Consulting Engineers

					Average				
					Annual				
				Elevation	Precipitaion			Period of	Number
Name	Station No.	Latiude	Longitude	feet	inches	Maximum	Minimum	Record	of Years
Alamogordo	290199	32.52 N	105.57 W	4349.0	11.70	21.87 (1941)	4.85 (1952)	1914-1998	53
Tularosa	299165	33.04 N	106.02 W	4429.0	10.10	23.65 (1941)	3.88 (1934)	1914-1998	53
Carrizozo	291515	33.38 N	105.53 W	5403.5	12.66	28.12 (1941)	5.00 (1945)	1914-1998	09
Mountain Park	295960	32.57 N	105.49 W	6778.1	19.98	39.92 (1941)	9.89 (1952)	1914-1998	29
White Sands Natl Mon	299686	32.47 N	106.11 W	3994.1	00.6	20.89 (1941)	2.80 (1956)	1939-1998	55
Orogrande 1N	296435	32.23 N	106.06 W	4181.0	10.14	20.85 (1984)	2.93 (1934)	1914-1998	99
Ancho	290394	N 95'EE	105.45 W	6123.4	13.51	34.40 (1941)	6.51 (1924)	1914-1971	52
Corona	292093	34.15 N	105.35 W	6682.2	14.76	36.11 (1941)	5.81 (1917)	1914-1977	53
Corona 11 SSW	292096	34.06 N	105.41 W	6498.3	13.90	16.64 (1979)	11.25 (1982)	1977-1992	ၑ
Cloudcroft	291927	32.57 N	105.44 W	8657.9	27.04	48.10 (1941)	16.60 (1922)	1914-1987	4
Cloudcroft 2	291931	32.57 N	105.44 W	8704.8	31.69	39.24 (1991)	25.17 (1995)	1987-1998	10
Mescalero	295657	33.09 N	105.47 W	6714.2	19.28	35.19 (1941)	9.56 (1947)	1914-1978	38
Ruidoso 2 NNE	297649	33.20 N	105.41 W	6758.1	21.90	34.81 (1965)	12.27 (1970)	1942-1998	43
Fort Stanton	293288	33.30 N	105.31 W	6222.5	13.47	25.63 (1941)	6.06 (1945)	1914-1974	42
Bingham 2 NE	290983	33.55 N	106.21 W	5549.4	10.26	17.23 (1941)	2.84 (1956)	1939-1998	45
Duran	292665	34.28 N	105.24 W	6283.5	17.12	31.72 (1941)	10.24 (1952)	1931-1952	2
Gallinas	293408	34.09 N	105.39 W	6642.3	15.97	35.98 (1941)	8.02 (1934)	1931-1946	13
Capitan	291440	33.32 N	105.36 W	6463.2	16.44	30.74 (1941)	8.00 (1963)	1931-1998	56

ALAMOGORDO, NEW MEXICO 4350 Ft

Monthly Total Precipitation (inches) NON TENTER = 4720

File last updated on Jul 19, 1998

*** Note *** Provisional Data *** After Year/Month 199804

32°53'N/105°57'W

a = 1 day missing, b = 2 days missing, c = 3 days, ..etc...

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS: 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing.

Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2.96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7.65
```

2.52

1.25

1.55

0.33

1.56

0.28

0.38

1946

1.33

0.00

0.10

0.04

0.50

9.84

1947	1.35	0.20	0.47 a	0.00	0.11	0.19	1.63	1.56	0.26	0.35	0.84	0.58	7.54
1948	1.07	0.74	0.12	0.10 s	1.88	1.02	0.89 g	2.10	0.09	1.07	0.15	0.95	9.19
1949	2.61	0.78	0.00	1.31	0.10	0.99	1.52	1.02	2.52 g	1.63	0.001	0.66 b	10.62
1950	0.00	0.10	0.00	0.00	0.00 h	0.64	3.87	0.36	2.42	1.05	0.00	0.00	8.44
1951	1.09	0.10 i	0.69	0.66	0.05	0.00	0.56	1.74	0.00	0.60 f	0.22	0.22 d	5.23
1952	0.30	0.28	0.65	0.61	0.11 a	0.88	0.61	0.17	0.17	0.00	0.27	0.80 d	
1953	0.00	0.89	0.36 a	0.81 v	0.17	2.44	2.81	1.33	0.56	0.93	0.03	0.12 d	9.64
1954	0.09	0.04	0.10 a	0.04 c	0.53	0.30	2.18	1.83	1.23	0.09	0.00	0.00	6.43
1955	1.40	0.00 g		0.00	0.06	0.19	5.40	0.20	1.56	1.08	0.00	0.00	10.46
1956	0.00	0.45	0.00		0.00 e		0.86	0.08	0.23	0.69	0.00	0.19	2.93
1957	0.44	1.22	0.64 g		0.00 z		0.96	3.52 b		3.25	0.84	0.00	11.53
1958	0.89	0.45	3.02	0.58	0.44	1.07	1.12	2.70	3.09	1.50	0.39	0.00	15.25
1959	0.00	0.54	0.00	0.10	0.66	0.41	1.35	6.67	0.02	0.45	0.04	0.54	10.78
1960	1.41	0.30	0.14	0.00	0.66	0.98	2.27	0.55	0.74	0.79	0.09	1.54	9.47
1961	0.53	0.03	0.61	0.00	0.03	1.34	1.16	3.18	1.80	0.09	1.24	1.29	11.30
1962	1.29	0.49	0.19	0.21	0.00	0.29	4.53	0.79	2.85	1.04	0.44	0.84	12.96
1963	0.34	0.35	0.00	0.21		0.01	1.38	2.54	2.03	1.34	0.15	0.03	8.19
1964	0.15	0.43	0.42	0.00 2	0.02	0.00	0.99	1.32	2.85	0.02	0.00	0.03	6.74
1965	0.19	0.56	1.01	0.17	0.11	0.88	2.22	3.03	2.14	0.02	0.00		13.02
1966	0.96	0.30	0.02	0.20	0.04	2.19	2.55	1.51	1.18	0.01	0.08	1.76	
1967	0.00	0.43	0.02	0.33	0.28	2.19	2.33			0.01		0.10	9.76
1968	0.89	0.99	1.73					1.68	1.35		0.92	1.47	10.85
1969	0.89			0.04	0.22	0.09	3.26	2.90	0.01	0.19	1.20	0.43	11.95
		0.74	0.34	0.04	1.37	0.12	2.59	3.00	2.04	2.19	0.10	1.21	14.18
1970	0.09	0.40	0.74	0.03	0.56	0.53	1.09	1.00	0.23	0.87	0.00	0.34	5.88
1971	0.05	0.28	0.00	0.86	0.15	0.64	3.01	1.89	1.26	2.22	1.28	0.76	12.40
1972	0.80	0.07	0.00	0.00	0.00	1.32	1.69	5.73	2.50		0.42 a		13.36
1973	0.95	0.79	2.16	0.00	0.65	1.29	4.29	0.56	0.14	0.14	0.03	0.00	11.00
1974	0.94	0.14	0.22	0.05	0.00	0.85	4.22	1.22	2.39	5.66	0.28	0.76	16.73
1975	0.54	0.80	0.74	0.02	0.02	0.53	0.96	0.97	6.24	0.00	0.33	0.00	11.15
1976	0.12	0.16	0.04	0.55	2.36	0.47	6.36	0.52	3.64	1.25	0.81	0.00	16.28
1977	0.84	0.29	0.40	1.15	0.53	0.31	0.93	2.58	1.00	1.65	0.43	0.33	10.44
1978	1.30	1.15	0.33	0.07	1.19	1.38	1.07	0.00 z	1.80	2.19	2.91	0.00 z	13.39
1979	1.19	0.77	0.00	0.00 z	0.00 z	1.99	2.25	3.93	1.63	0.02	0.00	0.96	12.74
1980	0.88	0.79	0.15	0.07	0.56	0.15	0.29	3.74	3.29	0.14	0.10	0.09	10.25
1981	0.79	0.66	0.60	0.00	0.09	0.68	2.23	3.53	2.20	0.81	0.64	0.33	12.56
1982	1.20	0.29	0.00	0.00	0.66	0.41	1.25	2.26	4.01	0.00	0.33	2.36	12.77
1983	1.40	0.78	0.28	0.74	0.29	1.30	1.52	0.29	1.00	1.68	2.37	0.68	12.33
1984	0.15	0.00	0.05	0.18	0.73	1.87	1.62	4.13	0.22	3.27	2.12	3.01	17.35
1985	0.98	0.23	1.11	0.90	0.04	0.89	2.15	2.03	3.66	6.09	0.14	0.12	18.34
1986	0.00	0.72	0.68	0.00	0.68	1.70	2.44	2.28	1.63	1.15	3.40	1.91	16.59
1987	0.50	0.54	0.24	0.73	0.68	2.16	0.96	2.76	0.95	0.58	0.64	1.10	11.84
1988	0.62	1.18	0.20	0.31	0.06	1.38	1.62	4.44	0.68	0.43	0.01	0.73	11.66
1989	0.61	1.03	0.45	0.00	0.21	0.01	3.17	3.46	1.35	0.10	0.01	0.62	11.09
1990	1.07	0.52	1.12	0.94	0.53	0.01	2.78	2.35	3.53	0.76	0.63	0.73	15.11
1991	1.02	1.12	0.20	0.00	0.43	0.13	1.18	4.50	3.17	0.70	0.03	5.45	18.58
1992	1.98	0.21	1.13	0.88	3.56	0.20	2.15	1.17	0.51	0.70	0.10	1.61	14.44
1993	1.97	0.21	0.00	0.33	0.56	0.73	2.13 3.56 a	2.70	0.31	0.76	0.10	0.39	12.76
1994	0.50	0.17	0.87	0.33	1.85	0.73	3.30 a 2.45	0.93	1.13	0.90	1.22	1.43	12.76
エノノゴ	0.50	U.1/	0.07	∪. ⊤ †	1.03	0.23	4.43	U.73	1.13	0.70	1.22	1,43	14.14

1995	0.76	0.46	0.10	0.00	0.06	0.65	1.65	2.22	2.51	0.00	0.16	0.66	9.23
1996	0.40	0.10	0.00	0.06	0.00	2.72	0.80	0.73	2.48	0.57	0.08	0.00	7.94
1997	1.05 a	ı 0.84	0.11	1.02	1.17	0.70	2.71	1.03	1.24 a	0.55	0.40	1.95	12.77
1998	0.45	1.00	1.15	0.00	0.00	0.41	0.55 m	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	3.01
				I	Period o	of Reco	rd Statis	tics					
MEAN	0.72	0.50	0.49	0.37	0.54	0.87	1.99	2.05	1.61	1.05	0.56	0.79	11.70
S.D.	0.54	0.37	0.63	0.53	0.73	0.79	1.27	1.36	1.44	1.22	0.72	0.94	3.66
SKEW	0.77	0.35	1.94	1.86	2.23	1.10	1.13	0.94	1.36	2.20	1.92	2.40	0.45
MAX	2.61	1.23	3.02	2.22	3,56	3.45	6.36	6.67	6.94	6.09	3.40	5.45	21.87
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.08	0.00	0.00	0.00	0.00	4.85
NO YRS	67	65	66	62	64	67	65	65	65	63	65	65	53

3 of 3

ALAMOGORDO, NEW MEXICO (290199)

Period of Record Monthly Climate Summary

Period of Record: 1/1/1914 to 4/30/1998

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	56.3	61.7	67.9	77.0	86.1	95.0	94.5	91.9	86.7	77.3	65.2	57.1	76.4
Average Min. Temperature (F)	28.6	32.6	37.9	45.2	53.6	62.6	65.9	64.2	58.0	47.1	35.3	28.9	46.7
Average Total Precipitation (in.)	0.72	0.48	0.49	0.37	0.54	0.86	1.96	2.04	1.62	1.03	0.55	0.79	11.45
Average Total SnowFall (in.)	1.8	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.2	4.5
Average Snow Depth (in.)	0	0	0	0	0	0	0	0	0	0	0	0	0

ALAMOGORDO, NEW MEXICO

Period of Record General Climate Summary - Precipitation

				Sta	tion:(2901	99) ALAM	OGO	RDO					
				F	rom \	Year=	1914 To Y	ear=19	98					
						Precij	oitation					Total	l Snov	vfall
	Mean	High	Year	Low	Year	1 E	Day Max.	>= 0.01 in.	>= 0.10 in.	>= 0.50 in.	>= 1.00 in.	Mean	High	Year
	in.	in.	-	in.	-	in.	dd/yyyy	# Days	# Days	# Days	# Days	in.	in.	-
January	0.72	2.61	49	0.00	14	1.03	26/1944	4	2	0	0	1.8	9.5	66
February	0.49	1.23	20	0.00	17	0.86	17/1957	3	2	0	0	0.7	4.8	88
March	0.49	3.02	58	0.00	17	1.16	06/1958	3	1	0	0	0.4	5.5	65
April	0.37	2.22	15	0.00	17	1.00	08/1919	2	1	0	0	0.1	3.5	83
May	0.54	3.56	92	0.00	18	1.23	11/1941	3	1	0	0	0.0	0.0	48
June	0.87	3.45	14	0.00	15	2.01	17/1953	4	2	0	0	0.0	0.0	48
July	1.97	6.36	76	0.20	17	1.80	23/1954	8	5	1	0	0.0	0.0	48
August	2.05	6.67	59	0.08	56	2.51	27/1959	8	5	1	0	0.0	0.0	48
September	1.63	6.94	41	0.00	51									48
October	1.04	6.09	85	0.00	15	1.80	11/1985	4	2	1	0	0.0	1.5	91
November	0.56	3.40	86	0.00	15	1.34	02/1986	3	1	0	0	0.2	6.0	76
December	0.79	5.45	91	0.00	17	2.32	18/1991	4	2	0	0	1.2	10.0	60
Annual	11.54	21.87	41	4.85	52	2.60	19410922	50	29	7	2	4.4	18.3	60
Winter	2.00	7.64	92	0.11	19	2.32	19911218	10	6	1	0	3.8	14.7	88
Spring	1.40	5.66	41	0.00	50	1.23	19410511	7	4	1	0	0.4	5.5	65
Summer	4.90	9.53	14	1.37	56	2.51	19590827	20	11	3	1	0.0	0.0	48
Fall	3.23	9.89	85	0.10	17	2.60	19410922	12	8	2	1	0.2	6.0	76

For monthly and annual means, thresholds, and sums: Months with 10 or more missing days are not considered Years with 1 or more missing months are not considered

TULAROSA, NEW MEXICO

4546 Ft

Monthly Total Precipitation (inches)

File last updated on Jul 19, 1998

*** Note *** Provisional Data *** After Year/Month 199804

a = 1 day missing, b = 2 days missing, c = 3 days, ..etc..,

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS: 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing. Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

muividua						-		-				•	_
YEAR(S)		FEB						AUG	SEP	OCT			ANN
1914		0.00 z			1.05	3.09	3.16	1.87	0.25		0.00	2.49	14.15
1915	0.19	2.40		2.84		0.00	1.01	1.08	1.99		0.00	0.74	11.84
1916	1.30			0.00 z			0.67	1.19	0.70	0.00 z		0.12	4.65
1917				0.00		0.00		3.72	0.15			0.00	5.57
1918	0.79			0.00	0.00	0.75	1.53	1.58	0.00	1.39	1.13	1.23	8.50
1919	0.00	0.16	1.79	1.15	0.10	1.32	2.01	0.64	4.39	0.75	1.17	0.10	13.58
1920	0.88			0.00 z	0.47	3.23	0.50	0.68	0.55	0.90	0.00	0.00	8.14
1921	0.35	0.05		0.00	0.15	1.77	2.29	1.58	1.02	0.00	0.00	0.57	8.18
1922	0.48		0.20 a			0.74		0.39	0.80	0.46	0.50	0.36	6.06
1923	0.41			0.70		0.00		3.18 a		0.59	1.75	0.65	10.61
1924			0.61 a			0.05		0.30	0.16	0.22	0.25	0.23	5.59
1925						0.00 z		$0.00 \ z$					0.00
1926	0.61	0.00	2.54	0.42 a	1.80	0.57	0.00 z	0.17	4.65	1.64	0.00 z		13.90
1927	0.00	0.16	0.07	0.00	0.00	0.64	1.40	2.52	1.54	0.00	0.00	0.41	6.74
1928	0.00	0.58	0.00	0.00	3.40	0.00		0.10	0.04	0.60	1.18	0.00	7.00
1929	0.00		0.00 z		0.00 z		2.05	2.64	1.01	0.84	0.69	0.04	7.87
1930	0.80	0.06	0.00	0.00	0.56	0.21		0.72	0.01	0.94	0.93	0.35	5.72
1931	0.27	1.73	0.10	1.23	0.10	0.23	2.78	3.28	1.68	0.46	1.58	0.55	13.99
1932	1.10	0.74	0.84	0.31	0.77	0.55	0.75	3.38	1.22 a	1.14	0.00	1.50	12.30
1933	0.20	0.00 z		0.30	0.30	2.89	2.87 a		0.82	0.20	0.75	0.00	9.70
1934	0.00		0.95	0.00	0.28	0.43		0.22	0.15	0.28	1.00	0.40 a	
1935	0.55			0.30	0.56	0.01	0.00 z			0.00 z		0.40	4.32
1936	1.94	0.22	0.00	0.85	1.10	0.16	1.24	1.32	5.52	0.40	0.52	1.13	14.40
1937	0.00	0.68	0.49	0.00	1.62	0.02	1.93	1.00	1.03	0.87	0.00	0.13	7.77
1938	1.21	1.24 a	0.26	0.01	0.11	1.66	1.78	0.95	4.78	0.33	0.38	1.30	14.01
1939	0.91	0.04	0.00 z		0.00	0.10	1.63	0.90	2.86	0.95	0.42	0.42	8.23
1940	0.00	1.05	0.00	0.22	1.62 a	0.46	0.50	1.22	0.95	0.04	1.11 a		7.72
1941	1.70	0.80	1.00	0.75	1.46	0.59	1.28	2.50	9.82	2.53	0.20	1.02	23.65
1942	0.00	0.74	0.37	1.39	0.00	0.20	0.50	2.36	2.05	1.00	0.00	1.09	9.70
1943	0.12	0.00	0.00	0.00	0.00 z	4.00	0.28	0.85	1.13	0.00	1.54	2.28	10.20
1944	0.19			$0.00 \ z$		0.33	1.54	0.79	1.04	0.00	0.20	0.00 z	4.09
1945	0.00 z	0.00 z	0.00 z	$0.00\;z$			0.00 z						0.00
1946	0.00 z	0.00 z	0.00 z	0.20	$0.00 \ z$	0.00 z	0.00 z	$0.00\;z$	0.00 z	$0.00 \ z$	0.30	0.51	1.01

1947	0.85	0.12	0.40	0.00	0.14	0.11	0.86 a	1.91	0.69	0.20	0.93	0.95	7.16
1948	0.16	1.28	0.04	0.01	0.28	1.31	1.10	0.87	0.36	0.78	0.00	1.18 a	7.37
1949	1.82	1.04	0.00	1.22	0.21	1.21	1.24	1.29	1.91	1.83	0.07	0.90	12.74
1950	0.04	0.17	0.00	0.03	0.01	1.29	4.62	0.70	2.41	0.44	0.00	0.00	9.71
1951	0.94	0.59	1.26	0.56	0.07	0.00	0.53	2.08	0.02	1.33	0.31	0.57	8.26
1952	0.36	0.59	0.61	0.86	0.27	1.21	1.57	1.73	1.16	0.00	0.48	0.35	9.19
1953	0.00	0.55	0.65	1.63	0.32	0.96	2.04	1.10	1.83	0.59	0.01	0.05	9.73
1954	0.09	0.00	0.04	0.21	0.75	0.00	0.00	2.15	1.26	0.00	0.00	0.00	4.50
1955	0.67	0.04	0.70	0.12	0.00	0.00	3.51	3.79	0.15	0.00 d		0.00	8.98
1956	0.00	0.25	0.00	0.00	0.02	0.00	0.50	0.84	1.10	2.52	0.00	0.13	5.36
1957	0.00 z		1.12	0.25	0.25	0.28	2.00	2.43	0.31	2.80	0.67	0.00	11.29
1958	1.05	0.21	2.59	0.57 a		1.80	0.73	3.06	3.42	1.50	0.50	0.00	15.77
1959	0.05	0.36	0.00	0.03	0.61	0.13 b	1.59 a		0.04	0.54	0.01	0.00 z	5.46
1960	1.43	0.49	0.03	0.00 z		0.00 z	2.39	0.00 z		0.00 z		1.04	7.21
1961	0.72	0.00 z		0.00 2	0.11	0.00 e	0.95					0.00 z	2.04
1962	0.00 z		0.00	0.22	0.00 z		2.59 a		2.54	1.44	0.21 a		8.44
1963	0.00 2	0.27		0.22			0.72		0.00 z		0.21 a	0.20	4.94
1964	0.17	0.12	0.00 2	0.00 2	0.00 2	0.00	0.72	0.48	2.16	0.00	0.02	0.31	5.22
1965	0.56	0.12	0.20	0.11	0.75	0.00	1.05	1.84	1.90	0.58	0.02 0.03 b		10.05
1966				0.00 z			1.03	1.98	0.58	0.09	0.03 0	0.04	5.96
1967	0.00 2	0.00 Z	0.00 Z	0.00 2	0.00 2	1.15	1.64			0.09			4.62
1968	0.53	0.43	1.61	0.03			3.01	2.15		0.00 z			8.27
1969	0.00	0.65			0.11	0.15			2.02	1.86		1.00 b	9.86
			0.43	0.00	0.00 z		2.23	1.41			0.05		
1970	0.03	0.57	0.77	0.01	0.11	0.74	1.49	0.56	0.22	0.96	0.00	0.27	5.73
1971	0.13	0.26	0.00	0.66	0.00	0.57	4.84	1.61	0.95	2.52	1.28	0.96	13.78
1972	0.07	0.01	0.00	0.00	0.00	0.12		2.94 o		4.25	0.40	0.45	6.67
1973	0.73	1.33	0.00 z		1.19	0.56	2.80	1.07	0.79	0.00	0.01	0.00	8.53
1974	0.55	0.00	0.15	0.00	0.15	0.18	2.25	1.91	0.93 f		0.49	0.87	10.25
1975	0.50	0.68	1.09	0.00	0.55	0.00	3.17	0.73	3.53	0.10	0.00	0.21	10.56
1976	0.01	0.90	0.09	0.48	2.01	1.25	2.57	0.89	0.28	0.49	0.99	0.00	9.96
1977	0.92	0.20	0.00 z		0.30	0.27	2.69	1.29	0.63	0.00	0.75	0.00	7.67
1978	1.08	0.74	0.51	0.00	1.26	1.85	0.65	1.56	0.84	2.28	2.62	1.09	14.48
1979		0.42			1.41	0.56		2.93				0.00 z	
1980				0.00 z	0.00 z	0.00 z	0.00 z					0.00 z	0.00
1981	0.00 z	0.00 z	0.18	0.18	0.17	0.41	1.63		0.71	0.46	0.37	0.21	6.83
1982	0.29	0.22	0.04	0.03	0.14	0.06	1.44 c	1.07	2.84	0.00	0.46	1.53	8.12
1983	1.13	0.78	0.21	0.62	0.21	0.13	2.04 a	1.73 e		1.53	1.69	0.55	12.68
1984	0.07	0.00	0.00	0.17	1.36	2.53	1.89	3.28	0.23	2.67	1.37 j	3.44	15.64
1985	1.01	0.34	0.48	1.05	0.06	0.68	1.84	3.42	2.94	4.88	0.12 a	0.10	16.92
1986	0.02	0.49	0.60	0.02	0.50	2.87	2.66	2.85	1.12	2.50	2.76	1.85	18.24
1987	0.28	0.75	0.30	0.21	0.82	1.27	0.59	1.99	0.44	0.39	0.78	0.77	8.59
1988	0.29	0.97	0.09	0.45	0.08	1.07 a	3.89	3.83	1.49	0.16	0.27	0.99 a	13.58
1989	0.57	0.79	0.18	0.00	0.26	0.00	0.84	2.44	1.46	0.16	0.11	0.59	7.40
1990	0.90	0.70	0.99	0.54	0.57	0.06	1.57	2.20	2.19 a		0.69	0.72	11.94
1991	0.37	1.07	0.11	0.25	0.24	0.57	2.22	3.35 a		0.57	0.73	4.17	15.61
1992	1.45	0.27	1.29	1.28	2.40 a		1.18	1.13	0.63	0.53	0.12	1.91	12.46
1993	1.64	0.63	0.04	0.22	0.45	0.57	0.85	3.62	0.07	0.80	0.68	0.24	9.81
1994	0.22	0.01	0.38	0.01	1.37	0.18	1.05	1.07	0.46	0.85	1.11	1.52	8.23
		_		-			-	-	-	-			

1995	0.66	0.25	0.24	0.00	0.03	0.89	0.71	0.99	2.22	0.00	0.13	0.52	6.64
1996	0.39 a	ı 0.11	0.00	0.04	0.00	1.59	0.70	0.82	2.96	0.73	0.20 a	0.00	7.54
1997	0.25	0.61	0.23	1.06	1.36 a	a 0.43	0.73	2.09	2.09	0.79	0.37	2.03	12.04
1998	0.02	0.89	1.11	0.00a	0.00	z 0.41 z	38.29 v	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	2.02
				-	Period	of Reco	rd Statis	tics					
MEAN	0.51	0.50	0.46	0.35	0.55	0.74	1.61	1.68	1.49	0.92	0.49	0.72	10.10
S.D.	0.50	0.46	0.57	0.50	0.66	0.88	1.00	1.00	1.58	1.04	0.59	0.80	3.94
SKEW	1.01	1.35	1.85	2.23	1.80	1.68	0.94	0.48	2.52	1.72	1.74	1.89	0.92
MAX	1.94	2.40	2.59	2.84	3.40	4.00	4.84	3.83	9.82	4.88	2.76	4.17	23.65
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.88
NO YRS	75	75	72	76	74	78	77	76	73	73	75	77	53

TULAROSA, NEW MEXICO

iod of Record General Climate Summary - Precipitation

		S	tatio	n:(299	9165) TUL	AROS	A					
		F	rom Y	ear=	1914 To Ye	ear=19	98					
		<u> </u>		Precip	oitation					Tota	l Snov	vfall
High	Year	Low	Year	1 E	ay Max.	>= 0.01 in.	>= 0.10 in.	>= 0.50 in.	>= 1.00 in.	Mean	High	Year
in.	-	in.	-	in.	dd/yyyy	# Days	# Days	# Days	# Days	in.	in.	-
1.94	36	0.00	19	1.00	11/1941	2	1	0	0	0.7	7.5	58
2.40	15	0.00	18	1.00	19/1915	3	2	0	0	0.4	5.0	89
2.59	58	0.00	17	1.44	06/1958	2	1	0	0	0.0	1.5	65
2.84	15	0.00	17	1.20	23/1953	2	1	0	0	0.0	0.0	48
3.40	28	0.00	15	1.30	31/1960	3	2	0	0	0.0	0.0	48
4.00	43	0.00	15	2.00	27/1943	3	2	0	0	0.0	0.0	48
4.84	71	0.00	54	1.77	11/1950	7	4		0	0.0	0.0	48
3.83	88	0.00	62	2.51	29/1932	7	4	1	0	0.0	0.0	48
9.82	41	0.00	18	4.75	28/1941	5	3	1	0	0.0	0.0	48
4.88	85	0.00	15	2.29	20/1972	3	2	1	0	0.0	0.0	48
2.76	86	0.00	14	1.25	02/1986	2	1	0	0	0.3	9.5	76
4.17	91	0.00	17	1.30	10/1943	3	2	0	0	0.6	7.8	60
23.65	41	3.88	34	4.75	19410928	42	26	6	1	2.0	9.5	76
5.89	92	0.02	34	1.30	19431210	8	5	1	0	1.7	7.5	58
4.97	92	0.00	72	1.44	19580306	7	4	1	0	0.0	1.5	65
8.79	88	0.80	34	2.51	19320829	17	10	2	0	0.0	0.0	48
12.55	41	0.15	55	4.75	19410928	10	6	2	0	0.3	9.5	76

For monthly and annual means, thresholds, and sums: Months with 10 or more missing days are not considered Years with 1 or more missing months are not considered

'limate Center, Greg McCurdy, gmwrcc@dri.edu

Dec	Annual
56.5	75.8
29.0	45.4
0.71	9.99
0.6	2.0
Ō	0
	56.5 29.0 0.71 0.6

CARRIZOZO, NEW MEXICO 5420 (1

Monthly Total Precipitation (inches)

File last updated on Jul 19, 1998

*** Note *** Provisional Data *** After Year/Month 199804

a = 1 day missing, b = 2 days missing, c = 3 days, ..etc..,

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS: 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing. Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

TILUIVIQUA						-						•	_
YEAR(S)	JAN			APR		JUN		AUG	SEP				ANN
1914	0.00	0.50	0.25	0.00 z		0.25	3.77	1.20	0.50	1.00	0.30	2.06	11.08
1915	0.25	1.31	1.11	2.40	0.30	0.01	3.57	1.15	2.13	0.16	0.08	0.19	12.66
1916	1.59	0.00	0.42	0.93	0.17	0.50	0.39	0.51	0.00	1.98	0.00	0.57	7.06
1917	0.53	0.03	0.00	0.00	0.00 z			0.00 z		0.00	0.16	0.00	1.24
1918	0.70	0.30	0.22	0.00	0.00	0.05	2.89	2.02	0.00	3.47	0.59	1.21	11.45
1919	0.00	0.11	0.97	1.53	0.59	1.59	1.30	0.83	0.68	0.10	$0.00 \ z$	0.38	8.08
1920	0.44	0.70	0.40	0.00	0.32	1.23	0.81	0.06	2.05	1.52	0.00	$0.00 \ z$	7.53
1921	0.50	0.00	1.31	0.00	0.20	1.39	5.63	2.14	1.24	0.18	0.00	0.00	12.59
1922	0.53	0.00	0.00	0.31	0.15	0.00 z	0.86	1.76	0.21	0.00 z	1.21	0.27	5.30
1923	0.41	1.44	0.85	0.80	$0.00\;z$	0.00	1.33	3.01	$0.00 \ z$	0.63	2.65	4.07	15.19
1924	0.05	0.00	0.52	0.36	0.00	0.35	2.53	0.11	0.33	0.00 z	0.00 z	0.56	4.81
1925	0.27	0.00	0.30	0.02	1.01	0.58	2.17	2.08	0.54	0.97	0.16	0.27	8.37
1926	1.04	0.00	2.86	0.49	2.59	0.00 z	2.96	0.77	$0.00 \ z$	1.41	0.00	3.40	15.52
1927	0.00 z	0.03	0.42	0.37	0.00	1.36	4.02	3.98	2.12	0.29	0.00	0.00 z	12.59
1928	0.00	1.76	0.46	0.79	2.96	0.00	1.42	6.83	1.07	3.43	0.94	0.58	20.24
1929	0.00 z	1.02	0.75	0.00 z	2.52	0.00 z	7.26	0.00 z	0.84	0.75	0.96	0.00	14.10
1930	1.04	0.72	0.00 z	0.10	$0.00 \ z$	0.64	3.58	3.68	0.36	0.92	1.56	0.00 z	12.60
1931	0.00 z	$0.00 \ z$	0.00 z	4.87	0.32	0.00 z	0.00 z	4.15	0.00 z	4.02	1.67	0.00 z	15.03
1932	1.31	0.00 z	2.72	0.12	1.96	2.29	0.00 z	5.81	4.04	0.00 z	0.00 z	1.67	19.92
1933	0.44	$0.00 \ z$	0.37	1.46	0.00 z	4.08	0.00 z	2.69	0.00 z	1.51	0.55	0.00 z	11.10
1934	0.00 z	$0.00 \; z$	0.74	0.45	0.00 z	0.04	1.52	1.62	0.00 z	0.02	1.65	0.82	6.86
1935	0.97	0.58	0.41	0.00	2.05	3.98	2.69	7.93	0.00 z	0.40	0.00 z	0.97	19.98
1936	2.90	$0.00 \ z$	0.71	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	3.61
1937	$0.00 \ z$	0.00 z	0.78	0.36	1.73	1.02	0.43	1.38	1.33	1.02	0.02	0.64	8.71
1938	0.85	0.61	0.35	0.17	0.01	1.83	3.86	0.73	3.12	0.18	0.14	1.06	12.91
1939	0.86	0.10	0.93	0.76	0.04	0.35	2.50	2.14	2.15	0.90	0.66	0.24	11.63
1940	0.31	1.25	0.09	0.01	1.99	1.46	1.17	1.15	0.37	0.16	0.82	0.41	9.19
1941	2.04	0.98	1.62	0.57	2.35	1.21	2.51	2.43	9.69	2.79	0.97	0.96	28.12
1942	0.02	0.77	0.07	2.16	0.00	0.38	1.86	0.00 z	1.65	0.67	0.00	0.00 z	7.58
1943	0.28	$0.00 \ z$	$0.00 \ z$	0.00 z	0.00 z	2.11	1.73	0.06	0.87	0.81	0.41	1.43	7.70
1944	1.20	0.50	0.04	0.48	0.38	0.09		2.95	1.39	0.00	1.05	0.99	10.70
1945	0.63	0.02	0.76	0.44	0.00	0.01	1.83	0.45	0.31	0.26	0.00	0.29	5.00
1946	0.79	0.08	0.30	0.67	0.42	0.69	1.45	1.51	1.35	0.99	0.50	0.72	9.47

1947	0.21	0.13	0.16	0.05	0.51	0.17	1.20	1.30	0.06	0.55	1.22	0.82	6.38
1948	0.27	1.34	0.21	0.29	1.52	1.23	0.79	0.83	0.38	0.55	0.36	0.89	8.66
1949	1.36	1.25	0.53	0.95	0.47	1.05	3.79	1.75	2.22	1.22	0.00	0.90	15.49
1950	0.05	0.21	0.00	0.35	0.00	1.21	3.42	1.76	2.23	0.19	0.00	0.00	9.42
1951	0.72	0.64	0.85	0.56	0.31	0.10	2.11	2.70	0.30	1.34	0.53	0.52	10.68
1952	0.20	0.17	0.68	0.79	0.16	1.09	1.13	2.29	2.12	0.00	0.65	0.76	10.04
1953	0.07	0.72	2.08	0.57	0.60	0.58	3.21	1.34	1.06	0.45	0.83	0.33	11.84
1954	0.26	0.03	0.61	0.18	2.01	1.01	1.65	1.89	2.90	1.61	0.00	0.34	12.49
1955	1.11	0.04	0.32	0.09	0.24	0.46	1.98	2.04	1.18	0.59	0.00	0.21	8.26
1956	0.30	0.54	0.00	0.06	0.14	0.67	2.15	2.50	0.04	0.83	0.00	0.00	7.23
1957	0.36	1.62	1.76	0.62	0.39	0.11	2.07	2.67	0.24	2.34	1.21	0.20	13.59
1958	0.49	0.32	2.75	1.30	1.37	3.22	4.00	1.30	4.50	1.45	0.95	0.20	21.85
1959	0.13	0.32	0.06	0.50	0.68	1.50	2.79	3.54	0.14	1.16	0.10	1.25	12.17
1960	1.68	0.27	0.08	0.00	1.36	1.97	3.77	0.86	1.53	1.03	0.07	0.62	13.24
1961	0.43	0.08	1.02	0.45	0.44	1.10	0.95	3.94	3.21	0.83	1.17	1.32	14.94
1962	0.13	0.26	0.22	0.73	0.02	0.47	5.37	0.71	4.02	1.32	1.40	1.09	16.55
1963	0.16	0.20	0.22	0.75	0.02	0.47	0.78	5.02	2.06	0.36	0.40	0.22	10.33
1964	0.10	0.26	0.20	0.30	0.07	0.21	1.25		1.42	0.00	0.40	0.22	6.56
1965	0.13	0.25	0.53	0.43	0.95	0.79	2.17	2.39	6.26	0.46	0.03	1.46	16.44
1966	0.69	0.89	0.07	0.43	0.09	2.34		5.21			0.30		12.78
1967	0.09	0.89	0.07	0.01	0.09		1.38		1.22 2.27	0.33		0.25	
1968	0.71		1.09			2.01	1.57	4.56		0.00	0.42	0.92	12.49
1969	0.71	1.16		0.18	0.30	0.62	3.19	2.36	0.61	1.03	1.00	0.82	13.07
		0.77	0.67	0.31	1.35	0.18	3.37	3.13	2.17	1.24	0.05	1.00	14.51
1970	0.00	0.19	0.47 c		0.12	0.78	2.05	0.00 z		1.59	0.12	0.75	6.37
1971	0.12	0.29	0.00	0.45	0.00	0.34	2.85	2.70	1.77	2.21	2.02	1.71	14.46
1972	0.76	0.35	0.03	0.00	0.55	1.01	0.00 z		2.87	3.68	1.31	1.22	16.50
1973	0.71	0.46	1.75 a		1.24	0.69	3.13	0.95	0.00 z		0.11	0.00	9.04
1974	0.60	0.42	0.58	0.00	0.14	0.19	2.04	3.21	1.91	4.16	0.40	1.14	14.79
1975	0.51	1.21	1.16	0.07	0.00	0.11	2.79	2.53	1.47	0.00	1.27	0.25	11.37
1976	0.00	0.60	0.10	0.71	1.98	0.80	2.07	1.26	3.26	0.04	0.20	0.00	11.02
1977	1.06	0.71	0.19	1.47	0.47	0.09	1.37	4.84	1.16	0.12	0.40	0.20	12.08
1978	2.81	1.02	0,75	0.05	1.17	0.42	0.40	0.00	0.74	2.20	3.08	1.48	14.12
1979	1.79	0.84	0.11	0.07	1.41	1.02	2.86	2.83	1.48	0.47	0.21	0.89	13.98
1980	0.67	0.54	0.38	0.62	0.37	0.60	0.93	3.17	3.19	0.05	0.09	0.68	11.29
1981	0.13	0.26	1.34	0.19	0.62	0.84	1.99	3.72	0.73	0.74	0.57	0.10	11.23
1982	0.91	0.11	0.22	0.00	0.45	0.14	1.71	1.25	2.18	0.38	0.34	0.57	8.26
1983	0.92	0.59	1.35	0.36	0.54	0.35	1.86	0.48	0.64	1.79	1.91	0.32	11.11
1984	0.19	0.03	0.02	0.28	0.94	2.13	0.98	3.23	0.50	2.59	1.23	1.80	13.92
1985	1.84	0.44	1.01	0.93	0.14	0.17	1.26	0.84	2.13	4.84	0.48	0.13	14.21
1986	0.16	1.21	1.23	0.15	0.97	2.51	2.33	2.47	1.99	4.09	1.83	0.95	19.89
1987	0.21	0.90	0.08	0.53	1.34	1.21	0.53	3.80	0.63	0.47	0.83	0.65	11.18
1988	0.23	0.21	0.15	0.81	0.56	1.16 a	1.41 a	3.89	1.89	0.00	0.00	0.60	10.91
1989	0.58	0.74	0.36 a		0.71	0.60	3.62	3.36	0.87	0.00	0.00	0.16	11.00
1990	0.13	1.51	1.17	0.89	0.78	0.19	2.92	1.69 a		0.73	1.44	1.84	16.55
1991	0.70 b		0.31	0.00	0.05	0.26	6.33	2.98 c		0.60	1.51 c		17.57
1992	1.50	0.41 a		1.56	3.45	0.84 a			0.53	1.12 a		1.03	16.14
1993	1.44	0.96	0.26	0.00	0.31	1.59	3.52	4.05 b		1.47 a		0.40	15.02
1994	0.53	0.21	0.81	0.05	1.72 a		1.86	1.64	1.16	0.73	1.75	2.98 a	
											_		

CARRIZOZO, NEW MEXICO (291515)

Period of Record Monthly Climate Summary

Period of Record: 1/1/1914 to 4/30/1998

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	51.3	56.3	63.0	71.9	81.2	90.4	91.1	88.4	82.9	73.3	60.5	52.3	71.9
Average Min. Temperature (F)	22.0	25.5	30.8	38.3	47.0	55.9	60.5	58.9	52.1	40.6	28.7	22.4	40.3
Average Total Precipitation (in.)	0.64	0.54	0.65	0.52	0.76	0.93	2.27	2.36	1.64	1.06	0.65	0.81	12.84
Average Total SnowFall (in.)	2.5	1.9	1.0	0.6	0.0	0.0	0.0	0.0	0.0	0.1	0.9	2.0	8.9
Average Snow Depth (in.)	0	0	0	0	0	0	0	0	0	0	0	0	0

CARRIZOZO, NEW MEXICO

Period of Record General Climate Summary - Precipitation

				S	tation	:(291	515) CAR	RIZOZ	ZO						
				F	rom \	Year=	1914 To Y	ear=19	98						
						Precip	oitation					Tota	Snov	vfall	
	Mean	High	Year	Low	Year	1 Γ	Day Max.	>= 0.01 in.	>= 0.10 in.	>= 0.50 in.	>= 1.00 in.	Mean	High	Year	
	in.	in.	_	in.	_	in.	dd/yyyy	# Days	# Days	# Days	# Days	in.	in.	_	
January	0.65	2.90	36	0.00	14	1.28	12/1941	4	2	0	0	2.5	12.0	66	
February	0.55	1.76	28	0.00	16	1.09	02/1940	3	2	0	0	1.9	15.7	86	
March															
April	April 0.53 4.87 31 0.00 17 1.16 17/1931 3 2 0 0 0.6 10.0 49														
May	April 0.53 4.87 31 0.00 17 1.16 17/1931 3 2 0 0 0.6 10.0 49 May 0.77 3.45 92 0.00 18 1.60 18/1954 4 2 0 0 0.0 0.0 48														
June	0.94	4.08	33	0.00	23	1.25	27/1996	5	3	0	0	0.0	0.0	48	
July	2.29	7.26	29	0.39	16	2.50	02/1991	9	6	1	0	0.0	0.0	48	
August	2.37	7.93	35	0.00	78	2.37	13/1977	9	6	1	0	0.0	0.0	48	
September	1.66	9.69	41	0.00	16	3.70	03/1965	6	4	1	0	0.0	0.0	48	
October	1.07	4.84	85	0.00	17	2.55	02/1986	4	2	1	0	0.1	4.0	91	
November	0.65	3.08	78	0.00	16	1.20	02/1923	3	2	0	0	0.9	9.0	72	
December	0.82	4.07	23	0.00	17	1.46	05/1994	3	2	0	0	2.0	10.6	59	
Annual	12.95	28.12	41	5.00	45	3.70	19650903	57	34	7	1	8.8	25.2	48	
Winter	2.02	4.53	92	0.53	22	1.46	19941205	10	6	1	0	6.3	22.4	60	
Spring	1.95	6.25	92	0.17	66	1.60	19540518	10	6	1	0	1.6	12.5	83	
Summer	5.60	14.60	35	0.82	78	2.50	19910702	23	14	3	1	0.0	0.0	48	
Fall	3.37	13.45	41	0.16	17	3.70	19650903	13	8	2	0	1.0	9.0	72	

For monthly and annual means, thresholds, and sums: Months with 10 or more missing days are not considered Years with 1 or more missing months are not considered

1995	0.82	0.28 a	0.50	0.33	0.00	1.07	0.90	0.88 b	2.38	0.00	0.25	0.26	7.67
1996	0.61	0.60	0.15	0.00 z	0.00	2.28	2.18	2.01 a	5.00	1.22	0.37	0.00	14.42
1997	1.17	1.09	0.60 c	1.98 a	2.25 c	1.62	3.45	1.52 b	1.94	0.51	0.81 a	1.90 a	18.84
1998	0.12	0.72 a	2.25 a	0.03 a	0.00 z	0.00 z	0.00 z	$0.00 \ z$	$0.00 \ z$	0.00 z	0.00 z	0.00z	3.12
				\mathbf{P}	eriod of	Recor	d Statis	tics					
MEAN	0.65	0.55	0.66	0.52	0.77	0.94	2.29	2.37	1.66	1.07	0.65	0.82	12.66
S.D.	0.61	0.45	0.65	0.72	0.82	0.87	1.35	1.57	1.57	1.12	0.67	0.79	4.04
SKEW	1.54	0.71	1.59	3.36	1.22	1.48	1.19	0.98	2.30	1.55	1.23	1.82	1.05
MAX	2.90	1.76	2.86	4.87	3.45	4.08	7.26	7.93	9.69	4.84	3.08	4.07	28.12
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	5.00
NO YRS	80	78	82	80	77	79	79	79	76	80	79	77	60

MOUNTAIN PARK, NEW MEXICO

6790 Ft

Monthly Total Precipitation (inches)

File last updated on Jul 19, 1998

*** Note *** Provisional Data *** After Year/Month 199804

a = 1 day missing, b = 2 days missing, c = 3 days, ..etc..,

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS: 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing. Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

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Y	EAR(S)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	1914	0.69	0.47	0.60	0.16	0.70	3.40	8.22	3.21	2.92	3.17	0.93	4.23	28.70
	1915	2.33	1.97	2.62	3.84	0.05	0.00	2.39	1.90	4.38	0.10	0.25	1.36	21.19
	1916	3.26	0.15	1.30	0.69	0.31	0.00	1.46	3.45	1.65	4.25	0.20	0.96 a	17.68
	1917	1.58	0.40	0.00	0.17	1.60	0.26	5.90	4.87	1.44	0.00	0.25	0.00	16.47
	1918	2.48	0.86	1.27	0.04	0.00	1.55	4.29	3.71	0.62	4.48	1.98	1.96	23.24
	1919	0.05	0.54	2.30	2.38	0.65	1.48	4,39	2.86	5.26	1.02	2.45	0.46	23.84
	1920	0.88	1.39	1.51	0.22	0.69	4.88	2.27	2.49	0.00 z	1.71	0.02	0.27	16.33
	1921	0.33	0.20	1.01	0.04	1.08	2.51	5.02	6.61	3.29	0.35	0.30	0.56	21.30
	1922	2.71	0.09	0.34	1.22	1.01	0.67	1.96	1.84	0.79	2.03	1.26	0.32	14.24
	1923	1.16	1.90	1.59	0.97	0.52	0.58	2.18	6.87	1.85	0.41	2.49	4.25	24.77
	1924	0.00 z	$0.00 \ z$	$0.00 \ z$	$0.00 \ z$	0.49	0.00	3.89	$0.00 \ z$	0.00 z	0.00 z	0.00 z	0.44	4.82
	1925	0.80	0.72	0.00	0.00	1.45	0.00 z	0.00 z	$0.00\;z$	0.00 z	0.00 z	0.00 z	0.00 z	2.97
	1926	0.00	$0.00 \ z$	$0.00 \ z$	$0.00\;z$	$0.00 \ z$	0.00 z	0.00 z	$0.00\;z$	0.00 z	0.00 z	0.00 z	$0.00 \ z$	0.00
	1927	0.00 z	0.00 z	$0.00 \ z$	$0.00\;z$	$0.00 \ z$	0.00 z	0.00 z	$0.00\;z$	0.00~z	0.00 z	0.00 z	$0.00 \ z$	0.00
	1928	0.00 z	0.00 z	0.00 z	0.05	2.76	0.00	0.84	3.65	0.42	4.01	0.00 z	0.80	12.53
	1929				$0.00 \ z$		$0.00 \ z$	4.32	3.95	$0.00 \ z$	0.00 z	$0.00 \ z$	$0.00\;z$	11.78
	1930				$0.00 \ z$		0.00 z					$0.00 \ z$	0.00	0.00
	1931			0.00 z	0.00 z	$0.00 \ z$	$0.00 \ z$	$0.00 \ z$	$0.00 \ z$	$0.00 \ z$	0.90	1.52	1.50	3.92
	1932	0.00 z		0.00 z	0.25	0.37	0.50	2.50	5.12	0.72	1.27	0.02	0.67	12.67
	1933		0.85	0.48	0.00	0.20	6.91	4.38	2.84	1.00	0.08	1.50	0.00	19.09
	1934		0.00	0.35	0.00	$0.00\;z$	0.61	0.03	0.90	$0.00 \ z$	0.46	0.67	0.00 z	3.02
	1935	0.00 z		0.62	0.08		0.62	1.85	4.34	3.42	0.00	1.58	0.68	14.37
	1936		0.12	0.05	0.14	2.44	0.00 z	2.79	3.06	5.50	0.77	0.50	1.05	18.91
	1937	0.02	1.82	0.00 z		1.57	0.00 z		0.00 z		2.42	0.06	1.39	9.72
	1938		3.00 a		0.36	0.42	2.85	0.00 z		5.48	0.31	1.03	1.52	18.85
	1939		0.00 z		0.33	0.00	0.00 z		2.31	2.94	2.70	0.86	0.73	17.05
	1940	0.24	1.15	0.26	0.15	3.61		0.83	1.85	1.45	1.05	1.37	1.03	14.11
	1941		2.70	2.36	2.40	3.19	0.00 z			9.26	4.61	0.62	0.57	(39.92)
	1942		0.36	0.43	2.78	0.00	0.76	3.36		4.21	1.93	0.00	3.15	23.39
	1943		0.00	0.54	0.00	0.31	1.87		0.00 z					2.80
		0.00 z			0.55	0.20	0.50	3.78		0.91	0.29	1.59	1.07	11.26
	1945		0.00 z		0.00	0.00	0.00	2.33	0.00 z		1.36	0.00	0.46	5.26
	1946	1.86	0.00	1.15	0.22	0.65	0.00	4.50	2.12	1.91	0.96	0.39	0.68	14.44

1947	0.65	0.30	0.23	0.00	0.05	0.30	2.62	3.50	0.57	0.66	1.37	1.60	11.85
1948	0.04	2.11	0.50	0.43	0.88	1.77	2.40	5.13	0.25	1.75	0.66	2.65	18.57
1949	3.34	1.70	0.41	1.00	0.02	1.60	2.33	3.24	3.01	1.51	0.00	2.19	20.35
1950	0.50	0.20	0.05	0.00	0.00	3.00	4.30	0.73	2.67	1.54	0.00	0.00	12.99
1951	1.43	0.96	2.60	1.42	0.25	0.00	2.69	2.61	0.46	2.60	0.80	0.95	16.77
1952	0.27	0.76	1.31	1.09	0.00	3.11	1.70	0.27	0.25	0.00	0.69	0.44	9.89
1953	0.05	1.10	2.10	1.42	0.40	1.87	5.56	2.41	0.10	1.44	0.00	0.67 a	17.12
1954	0.25	0.10	0.77	0.00	1.40	0.24	2.94	6.05	1.22	1.62	0.00	0.00	14.59
1955	1.50	0.00	1.86	0.00	0.58	0.35	9.76	2.38	0.97	1.60	0.05	0.00	19.05
1956	0.50	0.75	0.00	0.00	0.00	1.69	2.36	3.58	0.00 a		0.00	0.30	10.37
1957	0.90	2.38	2.50	0.25	0.00	0.00 a		5.45	0.15	4.40	1.54	0.00	20.93
1958	2.39	1.45	4.91	0.96	1.57	1.40	3.16	1.84	4.51	2.69	0.45	0.10	25.43
1959	0.00	1.20	0.00	0.15	0.48	0.65	3.39	5.85	0.00	0.46	0.00	1.05	13.23
1960	4.80	0.35	0.00	0.00	1.16	1.25	7.17	4.22	1.42	0.93	0.00	2.07	23.37
1961	1.70	0.20	2.40	0.00	0.00	3.30	5.46	2.88	3.90	0.00	1.71	4.50	26.05
1962	2.01	0.65	0.25	0.45	0.00	0.00	8.94	1.85	3.41	1.17	0.87	1.25	20.85
1963	1.52	1.27	0.00	0.43	0.57	0.64	2.38	5.97	2.07	1.30	0.63	0.25	17.28
1964	0.33	0.72	0.87	0.40	0.73	0.04	2.96	0.85	3.39	0.00	0.00	0.23	10.49
1965	2.60	2.02	1.10	0.52		0.24 $0.00 z$		4.39	3.64	0.00 z		4.26	21.74
1966	0.98	1.58	0.70	0.32	0.00 2	3.85	2.10	5.23	1.29	0.00 Z		0.50	18.19
1967	0.00	0.86	0.70	0.49	0.43	1.54	3.73				1.02		
1968	0.89	1.19	1.45	0.00				5.07	2.51	0.00	0.97	2.30	17.16
1969	1.68	1.19				0.00 z		3.71	0.42	0.45	1.80	0.98	14.40
1909	0.18	0.30	0.45 v		1.43	0.00	1.76	6.01 a		1.25	0.24	1.68	21.95
			1.61	0.03	0.41	1.28	2.46	1.56	0.98	0.69 a		0.77	10.27
1971	0.06	0.61	0.00	1.23	0.11	0.74	3.81	5.59	1.00	4.18	2.20	1.11	20.64
1972	1.44	0.21	0.00	0.00	0.12	2.53	3.74	5.83	4.28	5.47	1.16	1.37	26.15
1973	1.83	0.56	2.51	0.03	0.74	1.91	4.42	1.69	0.41	0.08	0.34	0.04	14.56
1974	2.75	0.62	0.50	0.04	0.00	0.56	5.00	5.22	5.15	5.56	0.80	0.78	26.98
1975	1.08	1.12	0.99	0.08	0.41	0.00 z		2.44	3.99	0.04	1.09	0.54	16.30
1976	0.41	1.56	0.28	1.34	3.16	0.71	6.50	1.96	4.30	1.66	0.41	0.00	22.29
1977	1.10	0.97	0.15	2.11	0.55	0.63	4.23	2.63	1.62	1.72	0.80	0.64	17.15
1978	2.88	2.16	1.94	0.31	1.66	1.89	2.06	4.62	2.05	1.65	4.32	3.65	29.19
1979	1.74	2.31	0.57	0.02	1.80	1.61	2.39	5.81	1.78	0.36	0.16	1.44	19.99
1980	1.48	1.64	0.47	0.31	1.56	0.61	1.78	3.47	5.41	0.07	0.16	0.36	17.32
1981	0.79	1.54	1.64	0.36	0.30	2.11	2.19	5.30	1.93	1.49	1.66	0.57	19.88
1982	1.92	1.19	0.03 b	0.02	1.02	1.15	3.00	3.82	5.79	0.09	0.62	2.87	21.52
1983	1.21	1.79	1.40	1.07	0.55	0.70	2.38	2.71 b	4.26	2.68	3.47	1.62	23.84
1984	0.16	0.00	0.11	0.55	3.36	3.18	3.08	6.09	0.64	4.55	2.32	5.06 d	29.10
1985	1.49	1.11	2.07	1.24	0.18	1.92	2.28	6.38	4.86	6.11	0.58	0.22	28.44
1986	0.05	1.60	1.82	0.10	0.95	1.58	2.49	5.08	2.12	2.24	3.60	3.06	24.69
1987	0.59	1.41	1.42	0.73	2.89	1.76	0.66	3.09	3.00	1.31	1.78	0.37	19.01
1988	1.57	0.44 a	0.51	1.89	0.29	1.33	4,44	6.74	1.17	0.19	0.70	1.89	21.16
1989	0.32	1.05	0.80	0.00	0.36	0.14	5.11	4.26	1.59	0.16	0.12	1.01	14.92
1990	0.64	2.04	1.75	1.25	1.16	0.23	4.88 a		4.08	0.88	1.73	1.74	23.88
1991	0.79	2.31	1.11	0.00	0.43	0.85	5.12	6.92	2.68	1.22	1.42	3.61	26.46
1992	2.44	0.47 a		1.06	4.72	0.66	2.53	1.40	0.96	0.80	0.48	2.87	19.67
1993	3.01		0.55	0.50	1.51	1.21	1.69	6.07	0.18	2.95	1.20	0.53	21.25
1994	0.07	0.67 a		0.36	1.40	1.90	2.21 a		2.42	1.94	3.30	3.27	19.56
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1995	2.60 a	1.51 b	0.80	0.29	0.14	0.44	4.38	6.74 a	3.86	0.00	0.69	0.81	22.26
1996	0.64	0.56	0.00	0.00	0.00	3.82 a	2.66	3.56 a	3.62	1.45	0.59	0.00	16.90
1997	1.63	2.01	0.65	1.53	1.93	1.96	3.23 a	2.79	3.29	2.30 a	0.84 a	2.88	25.04
1998	0.27	2.29	1.47	0.03	0.00 z	0.00 z	0.00 z	$0.00 \ z$	0.00 z	0.00 z	0.00 z	0.00 z	4.06
				Pe	eriod of	Record	d Statis	tics					
MEAN	1.20	1.06	0.98	0.54	0.88	1.34	3.44	3.71	2.44	1.57	0.94	1.31	19.98
S.D.	1.04	0.75	0.90	0.75	1.01	1.30	1.79	1.82	1.89	1.51	0.94	1.26	4.91
SKEW	0.90	0.44	1.39	2.01	1.61	1.65	1.18	0.02	0.87	1.20	1.42	1.21	-0.08
MAX	4.80	3.00	4.91	3.84	4.72	6.91	9.76	6.92	9.26	6.11	4.32	5.06	29.19
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	9.89
NO YRS	7 7	76	76	79	78	71	77	76	74	76	76	77	59

WHITE SANDS NATL MON, NEW MEXICO

Monthly Total Precipitation (inches)

4000 Fb

File last updated on Jul 19, 1998

*** Note *** Provisional Data *** After Year/Month 199804

a = 1 day missing, b = 2 days missing, c = 3 days, ..etc..,

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS: 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing. Individual Years not used for annual statistics if any month in that year has more than 5 days missing

	maiviauai								n that y			than 5 c	lays mis	ssing.
YE	EAR(S)	JAN		MAR		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	1939	0.75	0.05	0.42	0.31	0.11	0.00 z	0.97	0.42	1.35 a		0.72	0.45	6.49
	1940	0.28	0.48	0.08	0.31	1.51	0.85	0.77	1.02	0.20	0.25	0.75	0.16	6.66
	1941	1.20	0.62	1.25	1.54	1.23	0.01	0.70	2.10	9.68	1.76	0.11	0.69	20.89
	1942	0.41	0.25	0.02	2.39	0.05	0.00	0.49	1.32	1.26	1.17	0.00	1.13	8.49
	1943	0.02	0.00	0.00	0.00	0.60	1.58	0.50	0.03	0.56	0.08	0.90	1.93	6.20
	1944	0.68	0.71	0.10	0.04	0.17	0.36	2.15	1.14	0.64	0.22	0.71	0.85	7.77
	1945	0.08	0.00	0.02	0.00	0.00	0.04	0.93	2.68	0.07	0.45	0.00	0.20	4.47
	1946	0.75	0.00	0.00	0.00	0.40	1.04	0.76	0.90	1.85	0.25	0.00 z	0.20	6.15
	1947	1.20	0.00	0.31	0.00	0.04	0.41	1.89	1.30	0.00	0.00	0.56	0.68	6.39
	1948	0.50 g	0.93	0.05	0.00	0.84	1.08	0.37	3.06	0.10	1.39	0.00	1.08	8.90
	1949	2.05	0.51	0.00	0.43	0.24	1.03	1.85	1.42	2.94	1.26	0.00	0.24	11.97
	1950	0.00	0.04 c	0.01	0.00	0.00	0.49	2.29	0.69	1.67	1.15	0.00	0.00	6.34
	1951	0.34	0.64	0.23 a	0.55	0.00	0.00	0.00	0.70	0.08	0.59	0.03	0.46	3.62
	1952	0.00	0.57	0.16	0.47	0.21	0.69	1.17 b	0.51	0.21	0.00	0.20	0.31	4.50
	1953	0.00	0.64	0.21	0.43	0.05	0.20	1.94	0.50	0.13	0.70	0.00	0.18	4.98
	1954	0.03	0.00	0.00	0.03	0.55	0.41	0.71	2.15	0.97	0.58	0.00	0.00	5.43
	1955	0.85	0.00	0.48	0.02	0.09	0.32	3.32	0.83	0.72	0.65	0.00	0.00	7.28
	1956	0.02	0.21	0.00	0.02	0.00	0.13	0.40	1.50	0.00	0.35	0.00	0.17	2.80
	1957	0.26	0.53	0.45	0.31	0.10	0.09	2.97	1.59	0.38	2.39	0.81	0.00	9.88
	1958	1.55	0.35	2.65	0.34	0.22	0.54	1.19	1.72	2.34	2.37	0.13	0.00	13.40
	1959	0.00	0.36	0.00	0.08	0.51	0.17	0.43	1.84	0.00	0.33	0.00	0.24	3.96
	1960	0.56	0.08	0.37	0.00	0.29	1.04	2.84	0.93	0.54	1.01	0.05	2.26	9.97
	1961	0.78	0.02	0.55	0.00	0.05	0.49	1.78	0.69	1.39	0.00	1.18	0.64	7.57
	1962	0.54 a	0.40	0.00	0.39	0.00	0.31	4.13	0.21	2.18	0.63	0.42	0.78	9.99
	1963	0.02	0.18	0.00	0.01	0.00	0.54	1.28	1.15	1.77	1.03	0.04	0.00	6.02
	1964	0.00	0.31	0.50	0.07	0.20	0.06	1.45	1.18	0.89	0.00	0.00	0.30	4.96
	1965	0.37	0.28	0.36	0.33	0.25	0.35	1.00	1.38	2.95	0.38	0.15	0.94	8.74
	1966	0.44	0.26	0.00	0.56	0.11	3.43	1.61	2.17	0.63	0.10	0.04	0.04	9.39
	1967	0.00	0.28	0.19	0.00	0.05	1.29	0.81	1.98	0.76	0.00	0.69	1.01	7.06
	1968	0.53	0.57	1.06	0.05	0.26	0.06	1.36	2.16	0.03	0.24	1.03	0.21	7.56
	1969	0.34	0.20	0.21	0.00	0.35	1.29	2.91	2.18	0.78	1.20	0.10	0.90	10.46
	1970	0.01	0.38	0.31	0.05	0.24	0.25	2.26	1.22	0.16	0.50	0.00	0.37	5.75
	1971	0.02	0.02	0.00	0.27	0.00	0.28	1.73	2.54	0.36	1.53	0.87	0.66	8.28

1972	0.49	0.00	0.00	0.00	0.09	1.95	1.01	0.98	2.37	3.63	0.57	0.58	11.67
1973	0.39	1.61	1.06	0.00	0.38	0.92	1.24	0.86	0.04	0.19	0.00	0.00	6.69
1974	0.54	0.00	0.16	0.55	0.11	0.03	2.32	1.76	1.66	2.99	0.23	1.06	11.41
1975	0.60	0.35	0.07	0.00	0.07	0.01	2.56	0.42	1.46	0.17	0.24	0.18	6.13
1976	0.08	0.64	0.00	0.47	0.45	0.45	1.56	0.54	1.92	1.31	0.70	0.00	8.12
1977	0.53	0.08	0.45	0.71	0.49	1.73	1.59	0.97	0.04	0.95	0.00	0.26	7.80
1978	0.80	0.62	0.23	0.02	0.92	0.82	0.08	1.76	0.34	2.03	2.71	0.84	11,17
1979	0.71	0.32	0.00	0.00	1.11	0.48	0.56	4.54	0.56	0.00	0.02	1.08	9.38
1980	1.05	0.31	0.03	0.41	0.74	0.02	0.11	2.49	4.68	0.54	0.40	0.07	10.85
1981	1.08	0.19	0.22	0.10	0.68	0.24	1.24	3.39	1.00	0.57	0.43	0.15	9.29
1982	0.34	0.05	0.00	0.00	0.46	0.05	0.85	1.29	4.36	0.02	0.61	1.96	9.99
1983	1.11	0.48	0.05	1.16	0.00	0.27	1.36	1.17	0.64	1.55	1.78	0.29	9.86
1984	0.31	0.00	0.32	0.00	0.86	3.82	1.58	2.94	0.24	2.03	1.13	2.77	16.00
1985	1.26	0.42	0.34	0.82	0.50	0.85	1.82	2.69	1.42	4.13	0.05	0.05	14.35
1986	0.02	0.57	0.35	0.01	0.37	1.48	1.05	1.74	1.80	0.97	3.02	1.59	12.97
1987	0.21	0.73	0.60	0.09	0.81	1.95	0.58	3.63	0.56	0.26	0.60	1.76 a	11.78
1988	0.22	1.37	0.10	0.08	0.18	1.24	1.44	9.78	0.93	0.23	0.00	1.22	16.79
1989	0.24	0.75	0.45	0.00	0.48	0.00	1.97	1.76	2.11	0.00	0.12	0.44	8.32
1990	0.73	0.16	0.73	0.75	0.21	0.47	2.08	1.91	2.03	1.39	0.54	0.54	11.54
1991	0.00 z		0.53	0.00	0.58	0.12	1.73	2.04	2.24	0.52	0.38	3.88	12.53
1992	1.90	0.26	0.50	1.05	3.25	1.46	2.62	1.53	1.18	0.23	0.03	1.58	15.59
1993	1.58	0.29	0.10	0.67	0.06	0.86	1.01	2.51	$0.00 \ a$	0.94	0.71	0.63	9.36
1994	0.27	0.00	0.17	0.27	0.75	0.02	1.09	0.65	0.20	0.54	0.77	0.99 a	5.72
1995	0.77	0.56	80.0	0.00	0.00	0.80	1.58	1.52	2.88	0.00	0.06	0.15	8.40
1996	0.45	0.06	0.00	0.31	0.00	1.75	1.93	3.37	1.86	0.29	0.14	0.00	10.16
1997	0.97	0.45	0.28	0.59	0.85	1.11	2.28	1.04	1.24	0.58	0.21	1.37	10.97
1998	0.18	0.36	0.51	0.02				0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	1.07
					eriod of			tics					
MEAN	0.53	0.35	0.29	0.28	0.39	0.72	1.46	1.74	1.28	0.84	0.43	0.69	9.00
S.D.	0.50	0.33	0.42	0.43	0.51	0.78	0.85	1.41	1.54	0.90	0.61	0.76	3.55
SKEW	1.10	1.45	3.40	2.59	3.22	1.91	0.65	3.36	3.12	1.70	2.45	1.86	0.88
MAX	2.05	1.61	2.65	2.39	3.25	3.82	4.13	9.78	9.68	4.13	3.02	3.88	20.89
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	2.80
NO YRS	58	60	60	60	59	58	59	59	59	59	58	59	55

WHITE SANDS NATL MON, NEW MEXICO (299686)

Period of Record Monthly Climate Summary

Period of Record: 1/1/1939 to 4/30/1998

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	56.9	63.1	70.4	79.2	88.0	96.8	97.1	94.4	89.0	79.1	66.0	56.9	78.1
Average Min. Temperature (F)	22.3	25.6	31.4	39.3	48.3	58.2	63.8	61.5	54.0	40.9	28.0	21.9	41.3
Average Total Precipitation (in.)	0.53	0.34	0.28	0.28	0.39	0.71	1.45	1.72	1.27	0.83	0.42	0.68	8.90
Average Total SnowFall (in.)	1.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	1.1	3.0
Average Snow Depth (in.)	0	0	0	0	0	0	0	0	0	0	0	0	0

WHITE SANDS NATL MON, NEW MEXICO

Period of Record General Climate Summary - Precipitation

			Stat	ion:(29968	6) W	HITE SAN	IDS N	ATL N	ION	<u> </u>				
				F	rom '	Year=	1939 To Y	ear=19	98						
						Preci	pitation					Tota	Snov	vfall	
	Mean	High	Year	Low	Year	1 I	Day Max.	>= 0.01 in.	>= 0.10 in.	>= 0.50 in.	>= 1.00 in.	Mean	High	Year	
	in.	in.	-	in.	_	in.	dd/yyyy	# Days	# Days	# Days	# Days	in.	in.	-	
January	0.53	2.05	49	0.00	50	0.77	22/1980	3	2	0	0	1.0	9.0	85	
February	0.35	1.61	73	0.00	43	1.21	05/1988	3	1	0	0	0.4	4.3	56	
March	March 0.29 2.65 58 0.00 43 1.55 06/1958 2 1 0 0 0.1 1.5 55														
April	pril 0.29 2.39 42 0.00 43 1.11 07/1942 1 1 0 0 0.0 0.0 48														
May	y 0.39 3.25 92 0.00 45 1.10 22/1940 2 1 0 0 0.0 0.0 48														
June	0.72	3.82	84	0.00	42	1.64	02/1984	3	2	0	0	0.0	0.0	48	
July	1.46	4.13	62	0.00	51	1.61	25/1957	6	4	1	0	0.0	0.0	48	
August	1.74	9.78	88	0.03	43	2.25	08/1988	7	4	1	0	0.0	0.0	48	
September	1.28	9.68	41	0.00	47	3.83	21/1941	5	3	1	0	0.0	0.0	48	
October	0.84	4.13	85	0.00	47	1.77	17/1985	3	2	0	0	0.1	1.1	91	
November	0.43	3.02	86	0.00	42	1.31	03/1986	2	1	0	0	0.2	7.5	76	
December	0.69	3.88	91	0.00	50	1.25	09/1960	3	2	0	0	1.1	17.5	87	
Annual	9.00	20.89	41	2.80	56	3.83	19410921	42	23	5	1	2.9	17.5	87	
Winter	1.57	6.04	92	0.21	54	1.25	19601209	9	5	1	0	2.5	20.5	88	
Spring	0.97	4.80	92	0.01	50	1.55	19580306	6	3	0	0	0.1	1.5	55	
Summer	3.92	12.46	88	0.70	51	2.25	19880808	16	9	2	1	0.0	0.0	48	
Fall	2.55	11.55	41	0.23	73	3.83	19410921	11	6	1	0	0.3	8.0	76	

For monthly and annual means, thresholds, and sums: Months with 10 or more missing days are not considered Years with 1 or more missing months are not considered

4190 Ft

OROGRANDE 1 N, NEW MEXICO

Monthly Total Precipitation (inches)

File last updated on Jul 19, 1998

*** Note *** Provisional Data *** After Year/Month 199804

a = 1 day missing, b = 2 days missing, c = 3 days, ..etc..,

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS: 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing. Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

						3 11 any 11							
YEAR(S)					MAY	JUN	JUL					DEC	
1914	0.00	0.21	0.05	0.40	1.53	2.47	2.58		0.76	1.23	1.09	3.80	16.22
1915	0.74	0.70	2.20	1.16	0.02	0.00	4.22 b		2.53	0.04	0.00	0.44	13.05
1916	0.74	0.00	0.53	0.04	0.51	0.00	1.11	3.33	0.08	1.58	0.39	0.00	8.31
1917	0.16	0.00	0.25	0.00	0.00 z	0.00	0.86		0.00 z		0.00	0.00	1.27
1918	0.09	0.00		0.00 z		1.92	0.85			0.80	0.43	0.19	5.74
1919	0.06	0.00	0.77	0.98	0.20	0.85	1.45	1.30	3.73	0.99 a	0.25	0.23	10.81
1920		0.69	0.40	0.00	0.00 z	2.72	0.40	1.21	0.15	1.40	0.04	0.00	7.50
1921	0.00	0.22	0.00	0.00	0.10	1.18	1.15	0.80	1.44	0.34	0.30	0.35	5.88
1922	0.65	0.00	0.00	0.25	0.55	0.22	1.16	0.83	0.90	0.93	0.25	0.11	5.85
1923	0.00 z	1.45	0.94	1.02	0.00	0.20	0.00 z	1.97 a	0.52	0.41	0.57	0.88	7.96
1924		0.00	0.47	0.25	0.00	0.00	0.70	0.79	0.95	0.29	0.08	0.00	3.77
1925	0.29	0.13	0.00	0.00	0.65	0.15	3.55	2.15	0.95	1.85	0.00	0.55	10.27
1926	0.92	0.00	2.28	0.15	2.11	0.00	5.23 a	0.00 z	2.84	1.31	0.00	1.26 b	16.10
1927	0.00	0.32	0.80 a	0.00	0.00	1.51	0.16	3.70	2.20	0.00	0.00	0.58	9.27
1928	0.00	0.95	0.00	0.05	1.31	0.00	0.41	3.77	0.60	0.70	0.70	0.40	8.89
1929	0.00	0.72	0.85	0.05	1.31	0.00	2.10	3.37	0.10	3.53	0.88	0.25	13.16
1930	0.45	0.00	0.00	0.68	0.25	0.22	1.47	0.75	0.00	1.01	1.00	0.55	6.38
1931	1.25 a	1.04	0.10	1.79	0.12	0.00	3.10	4.15	0.65	0.30	1.60	0.68	14.78
1932	0.57	0.40	0.00 z	0.00	0.60	0.30	2.10	1.40 a	2.90	0.90	0.00	0.30	9.47
1933	0.60	0.50	0.00	0.10	0.00 z	2.36	2.75	1.10	0.20	0.40	0.15	0.00	8.16
1934	0.08	0.00	0.06	0.00	0.07	0.00	0.07	1.87	0.00	0.33	0.10	0.35	2.93
1935	0.20	0.44	0.00	0.00	0.22	1.70	0.71	4.03	1.01	0.40	0.85	0.93	10.49
1936	0.47	0.30	0.00	0.10	1.70	0.10	1.10	0.88	3.64 a	0.40	0.60	0.75	10.04
1937	0.00	0.70	0.85	0.00	1.68	1.00	0.15	1.98	1.55	1.00	0.00	0.52	9.43
1938	1.80	0.46	0.33	0.00	0.08	1.44	0.57	0.68	3.29	0.42	0.02	0.15	9.24
1939	1.04	0.02	0.53	1.40	0.02	0.11	0.94	0.00 z	2.00	1.20	0.75	0.40	8.41
1940	0.67	1.40	0.00	0.00	0.60	0.94	2.01	0.88	1.27	1.52	0.83	0.22	10.34
1941	0.47	0.39	1.19	1.24	1.92	1.70	1.30	1.35	6.55 a	2.05	0.00	0.27	18.43
1942	0.00	0.43	0.31	1.92	0.00	0.00	1.33	1.68	1.21	1.94	0.00	1.20	10.02
1943	0.00	0.00	0.35	0.00	0.82	3.95	1.40	1.35	0.70	0.00	0.80	1.35	10.72
1944	0.93	0.75	0.08	0.00	1.19	0.29	1.90	2.00	1.14	0.74	0.44	0.54	10.00
1945	0.29	0.22	0.00	0.00	0.00	0.02	0.33	1.23	0.18	2.30	0.00	0.18	4.75
1946	0.91	0.00	0.00	0.00	0.14	1.87	0.69	1.43	2.22	1.08	0.12	0.65	9.11

104												
1947	0.45 a 0.00		0.06	0.44	0.75	0.29	1.95	0.02	1.49	0.70	0.77	7.14
1948	0.32 0.87	0.00	0.03	1.03	1.49	0.46	2.45	0.52	0.37	0.09	0.83	8.46
1949	1.57 0.55	0.00	0.39	0.32	0.45	1.84	0.59	2.59	1.17	0.00	0.68	10.15
1950	0.16 0.28	0.00	0.00	0.00	0.70	3.81	0.48	0.94	0.93	0.00	0.00	7.30
1951	0.16 0.44	0.38	0.46	0.12	0.14	0.77	0.63	0.21	0.45	0.02	0.41	4.19
1952	0.05 0.53		1.07	0.33	1.65	1.79	1.76	0.36	0.09	0.66	0.55	9.01
1953	0.00 0.35		0.79	0.00	0.94	0.57	1.19	0.00	0.88	0.00 a		6.01
1954	0.04 0.00		0.25	0.17	0.43	0.53	2.67	0.52	0.57	0.00 a	0.05	5.23
1955	0.72 0.00		0.23	0.00								
					0.12	7.19	0.40	0.70	2.09	0.00	0.00	11.37
1956	0.00 0.46		0.00	0.00	0.20	0.34	2.03	0.00	0.26	0.00	0.00	3.29
1957	0.70 0.95		0.00	0.00	0.00	1.13	1.97	0.00	2.15 a		0.00	8.07
1958	0.87 0.20		0.00 x		0.78	1.45	1.85	2.98 a		0.00 d		11.23
1959	0.00 0.00		0.00	0.61	0.58	0.21	2.05	0.00	0.50	0.00	0.42	4.37
1960	0.80 0.00	0.00	0.00 z	0.00	1.07	5.00	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	6.87
1961	0.40 y 0.05	0.40	0.00	0.00	0.64	0.38	1.44	1.22	0.34	1.52	0.56	6.55
1962	0.83 0.76	0.04	0.54	0.00	0.33	4.05	0.03	5.94	0.77	0.33	0.39	14.01
1963	0.24 0.36	0.00	0.00	0.04	0.26	0.76	3.19	2.67	1.30	0.58	0.00	9.40
1964	0.13 0.23	0.56	0.00	0.88	0.11	0.93	1.52	0.53	0.10	0.00	0.52	5.51
1965	0.20 0.34	0.17	0.16	0.30	1.67	0.93	2.33	1.17	0.24	0.11	0.83	8.45
1966	0.51 0.26		1.27	0.11	6.05	0.51	1.94	0.63	0.00	0.17	0.17	11.73
1967	0.00 0.11		0.02	0.11	3.67	0.11	3.81	1.97	0.15	0.40	1.11	11.46
1968	0.56 0.70		0.04	0.00	0.04	2.06	4.27	0.04	0.34	1.03	0.36	10.59
1969	0.12 0.13		0.00	0.71	0.04	2.91	2.58	0.67	1.13	0.14	0.94	9.63
1970	0.00 0.00		0.00	0.71	0.23	3.94	0.96	1.50	0.43	0.00	0.34	9.03 7.78
1971	0.00 0.00		0.00 0.79									
				0.00	0.24	2.16	2.62	0.30			0.00 b	
1972	1.00 0.00		0.00	0.00	0.97	1.41	0.00 z			0.00 z		9.02
1973	1.44 0.56		0.00	0.32	0.81	2.88	0.00 z				0.00	6.55
1974	0.00 0.00		0.00	0.10	0.08	6.48		0.03 u				8.71
1975	0.45 0.40		0.00	0.79	0.00	1.48		0.00 z				
1976	0.00 z 0.00 z			1.24	0.41	1.75	0.35	0.92	1.37	0.90	0.00	7.37
1977	0.59 0.10	0.22	0.73	0.05	0.34	2.36	1.70	0.33	1.44 c	0.08	0.25	8.19
1978	0.67 0.34	0.10	0.01	1.80	1.22	0.24	2.54	3.69	3.20	2.20	0.67	16.68
1979	1.21 0.47	0.00	0.03	1.74	0.24	2.20	2.83	1.01	0.00	0.01	0.93	10.67
1980	0.66 0.92	0.21	0.22	0.56	0.00	0.35	1.91	5.26	0.89	0.14	0.00	11.12
1981	0.33 0.21		0.68	0.57	0.45	2.16	3.51	1.68	1.00	0.43	0.06	11.44
1982	0.35 0.16		0.04	0.41	0.13	0.77	0.54	2.76	2.89	0.75	2.88	11.68
1983	0.11 0.46		1.01	0.03	1.28	1.27	1.27	0.89	3.54	0.84	0.16	11.13
1984	0.75 0.00		0.00	1.31	4.72	1.08	6.38	0.48	3.10	0.87	2.16	20.85
1985	1.13 0.34	0.65 n		0.08	0.83	0.82	2.75	3.45	3.45	0.05	0.07	13.39
1986	0.05 0.35		0.00	0.26	2.08	2.91	2.45	0.87	0.78	2.77	2.31	
1987	0.30 0.33		0.00									15.16
				0.62	3.22	1.97	3.44	0.67	0.15	0.63	1.56	12.97
1988	0.31 0.30		0.32	2.15	0.08	3.88	4.41	1.83	0.28	0.12	0.95	14.63
1989	0.30 0.69		0.00	1.03	0.12	1.66	3.40	0.67	0.00	0.00	0.87	9.14
1990	0.75 0.15		0.70	0.42	0.01	1.17	2.20	4.70	0.85	1.02	0.31	12.88
1991	0.56 0.60		0.00	0.45	0.55	3.22	5.71	3.68	0.40	0.83	4.14 b	
1992	1.25 e 0.06	0.58 z			3.00	0.25	1.46	1.72	0.27	0.00	1.05	12.03
1993	1.66 0.61 b			0.41	0.10	1.90	3.17	0.10	0.27	0.58	0.63	9.43
1994	0.13 a 0.38	0.27	0.32	0.92	0.09	2.67	2.58	1.01	0.77	0.79	1.10	11.03

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1995	0.76	0.69	0.26	0.00	0.00	5.57	1.46	0.87	2.80	0.00	0.00	0.29	12.70
1996	0.49	0.13	0.00	0.15	0.00	2.57	3.31	1.95	3.97	0.05	0.00	0.00	12.62
1997	0.41a	a 0.28	0.20	0.58	0.80 b	0.89	5.01	0.85	1.13	1.18	e 0.80	3.08	15.21
1998	0.04	0.78	0.62	0.09	$d\ 0.00\ z$	41.00 z	z 155.20 z	0.00	z 0.00 z	0.00 z	z 0.00	z 0.00 z	z 1.53
					Period	of Reco	rd Statisti	cs					
MEAN	0.47	0.35	0.31	0.30	0.51	0.95	1.77	2.03	1.52	0.92	0.41	0.62	10.14
S.D.	0.44	0.33	0.46	0.45	0.60	1.27	1.49	1.25	1.53	0.89	0.52	0.81	3.81
SKEW	0.98	1.03	2.38	1.70	1.23	2.05	1.42	1.03	1.36	1.38	1.93	2.48	0.50
MAX	1.80	1.45	2.28	1.92	2.15	6.05	7.19	6.38	6.55	3.54	2.77	4.14	20.85
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.03	0.00	0.00	0.00	0.00	2.93
NO YRS	82	84	80	82	81	84	83	77	80	80	80	82	66

8/14/98 10:58 AM

ANCHO, NEW MEXICO

6120 Ft

Monthly Total Precipitation (inches)

File last updated on Jul 19, 1998

*** Note *** Provisional Data *** After Year/Month 194712

a = 1 day missing, b = 2 days missing, c = 3 days, ..etc..,

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS: 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing. Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

11101 / 1000												•	sing.
YEAR(S)			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1914	0.04	0.32 a	0.00	0.10	1.58	0.92	3.80	2.65	0.06	1.80	0.00	1.81	13.08
1915	0.33 a	0.54	1.31	0.87 a	0.00	0.25	1.95	0.02	1.98	1.21	0.15	1.05	9.66
1916	2.80	0.00	0.75	1.60	0.34	0.00	2.57	2.18	0.65	2.73	0.15	0.38	14.15
1917	0.82	0.31	0.08	0.10	0.55	0.50	1.85	2.63	1.92	0.00	0.30	0.00	9.06
1918	0.90 a	0.34	0.29	0.00	0.02	0.24	1.65	0.00 z	0.00	2.88	1.87	0.00 z	8.19
1919	0.00	0.39	0.86	1.95	2.27	2.63	1.37	2.16	1.96	0.31	1.26	0.40	15.56
1920	0.82	1.37	0.75	0.12	1.55	1.77	2.87	2.48	0.87	1.55	0.00	0.30	14.45
1921	0.40	0.10	0.55 a	0.04 a	0.78	3.25	6.21	1.37	0.15	0.00	0.00	0.00	12.85
1922	0.30	0.35	0.40 a	0.92	0.55	1.69	1.49	0.95	1.23	0.00	0.42	0.80	9.10
1923	0.35	1.96	0.50	1.05	0.25	0.00	2.70	2.63	2.27	1.25	2.93	3.39	19.28
1924	0.05	0.30	0.62	0.60	0.00	0.30	1.83	0.67	0.00	0.00	0.37	1.77	6.51
1925	0.35	0.00	0.00	0.05	0.92	1.37	5.78	0.81	0.32	0.78	0.00	0.53	10.91
1926	0.83 a	0.19	2.40	0.60	0.95	0.35	1,45	2.92	2.45	1.51	0.05	2.25	15.95
1927	0.15	0.45	0.00	0.24	0.00	1.68	0.92	1.93	2.13	0.00	0.00	1.03	8.53
1928	0.00	1.18 a	0.00	0.57	2.15	0.00	2.15	4.22	0.33	2.57	0.64	0.24	14.05
1929	0.33	0.85	0.34	0.00	1.02	0.67	6.80	2.20	1.00	0.73	0.14	0.00	14.08
1930	0.92	0.00	1.13	0.00	0.41	0.85	2.43	2.35	0.00	0.72	0.64	0.56	10.01
1931	1.07	0.82	1.46	3.45	0.60	0.30	3.00	3.10	0.88	0.30	0.83	1.19	17.00
1932	0.98	0.56	0.88	0.09	0.42	0.33	2.61	1.98 a	2.34	0.00 z	0.00	0.64	10.83
1933	0.18	0.87	0.00	0.96	1.40	1.92	0.45	1.84	0.73	0.12	0.80	0.00	9.27
1934	0.04	0.24	0.41	0.30	0.38	0.00	0.50	2.85	0.67	0.36	1.96	1.20	8.91
1935	1.08	0.34	0.34	0.15	2.44	0.57	0.50	5.46	1.53	0.18	1.07	0.75	14.41
1936	1.00	0.85	0.26	0.72	0.58	1.32	2.07	1.09	2.64	0.20	0.15	1.17	12.05
1937	0.40	1.60	1.35	0.50	1.43	3.80	0.89	1.20	1.81	1.30	0.00	0.88	15.16
1938	1.64	0.59 a	0.45	0.00	0.00	2.23	1.75	0.00	4.19	0.60	0.20	1.36	13.01
1939	1.10	0.48	0.55	1.28	0.32	1.07	4.20	1.35	3.44	4.06	1.38	0.78	20.01
1940	0.53	2.10	0.20	0.40	2.72	0.77	2.78	1.02	0.40	0.28	1.42	1.25	13.87
1941	1.60	1.33	1.62	0.60	6.35	2.05	2.89	2.60	10.41	2. 95	1.45	0.55	34.40
1942	0.10	1.15	0.90	5.20	0.32	1.62	1.88	3.74	2.51	0.7 6	0.00	2.38	20.56
1943	0.40	0.00	0.90	0.46	2.20	0.96	1.82	1.96	0.63	0.64	0.60	2.40	12.97
1944	1.95	0.71	0.20	0.80	0.30	0.34	3.15	1.55	0.69	1.0 5	0.91	1.65	13.30
1945	1.51	0.25	2.07	0.55	0.00	0.04	1.26	2.67	0.86	0.32	0.00	0.35	9.88
1946	3.60	0.25	0.91	0.23	0.40	0.53	1.54	2.07	1.14	1.67	1.00	0.82	14.16

1947	1.45	0.20	0.37	0.65	0.55	0.45	0.25	1.30	0.00	0.30	1.26	1.15	7.93
1948	1.20	2.35	1.60	0.26	1.83	1.64	0.42	2.73	1.15 a	0.44	0.18	1.20	15.00
1949	1.78	1.19	0.80	1.95	0.30	1.37 a	1.36	2.10	2.72	0.85	0.11	1.47	16.00
1950	0.00 z	0.40	0.32	0.44	0.00	1.86	4.70	0.80	3.11	0.67	0.00	0.00	12.30
1951	1.70	0.16	2.41	0.69	0.60	0.00	1.42	3.07	0.08 a	1.10	0.45	0.72	12.40
1952	0.37	0.59	1.48	1.02	0.21	1.95	2.28	1.80	1.96	0.00	0.86	1.85	14.37
1953	0.10	0.92	2.30	0.72	1.23 a	0.64	1.75 a	1.85	0.46	0.35	0.68	1.25	12.25
1954	0.50	0.00	0.67	0.00	1.86	0.49	1.72	1.89 a	1.89	1.51	0.00	0.53	11.06
1955	0.48 a	0.05	0.23	0.23	0.49	0.67	3.04	3.69	0.74	0.58	0.10	0.56	10.86
1956	0.87	1.77	0.00	0.20	0.24	0.90	2.56	0.84	0.00	0.83 a	0.00	0.08	8.29
1957	0.25 a	1.31	1.48	0.73	0.59	0.18	1.58	2.82	0.34	2.37 a	1.60	0.40	13.65
1958	0.88	0.32	3.54	1.88	0.83	1.25	1.95	2.08	4.32	0.75	0.52	0.70	19.02
1959	0.00 a	0.52	0.00	0.54	1.18	2.56	3.29	3.09 f	0.00 z	$0.00 \ z$	0.00 z	1.56	9.65
1960	1.43	0.24	0.10	0.00	1.07	2.24	3.69	1.30	0.79	1.12	0.06	0.77	12.81
1961	0.65	0.12	1.23	0.67	0.28	2.39	1.62	3.55	2.75	0.55	1.19	2.88	17.88
1962	0.67	0.15	0.08	0.62	0.00	1.43	4.01	1.30	3.67	0.99	1.09	0.55	14.56
1963	0.19	0.41	0.16	0.46	0.07	0.00 z	$0.00 \ z$	0.00 z	0.00 z	$0.00 \ z$	0.00 z	0.00 z	1.29
1964		0.00 z		1.03	3.05	0.06	1.51	3.88	1.06	0.00	0.12	0.63	11.34
1965	0.41	0.63	0.21	0.55	1.23	0.54	5.06	1.70	2.20	0.44	0.10	1.37	14.44
1966	0.66	0.44	0.02	0.09	0.19	1.34	2.44	2.20	0.84	0.43	0.81	0.48	9.94
1967	0.00	0.84	0.39	0.12	0.11	2.83	2.48	3.95	1.13	0.00	0.54	1.99	14.38
1968	0.79	0.58	2.01	0.23	0.58	0.53	1.99	2.70	0.00	0.91	1.66	0.90	12.88
1969	0.24	0.68	0.89	0.40	2.03	0.28	2.77	2.97	2.54	1.80	0.06	1.55	16.21
1970	0.00	0.23	1.26	0.00	0.33	1.55	2.98	1.35	0.10	0.75	0.07	0.59	9.21
1971	0.43	0.24	0.02	0.43	0.00	0.45	1.95	2.61	1.35	2.22	1.39	2.11	13.20
				P	eriod o	f Recor		stics					
MEAN	0.74	0.62	0.77	0.66	0.90	1.09		2.17	1.52	0.94	0.60	1.02	13.51
S.D.	0.71	0.56	0.77	0.87	1.07	0.91	1.39	1.06	1.66	0.90	0.66	0.76	4.36
SKEW	1.69	1.32	1.33	3.23	2.65	0.86	1.19	0.45	2.93	1.36	1.21	0.93	2.12
MAX	3.60	2.35	3.54	5.20	6.35	3.80	6.80		10.41	4.06	2.93	3.39	34.40
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	6.51
NO YRS	56	57	57	58	58	57	57	55	56	55	56	56	52

ANCHO, NEW MEXICO (290394)

Period of Record Monthly Climate Summary

Period of Record: 1/1/1914 to 12/31/1971

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	47.7	52.9	59.2	68.5	77.8	86.1	87.4	84.9	79.8	70.0	58.2	48.6	68.5
Average Min. Temperature (F)	19.6	23.7	27.6	35.0	43.0	51.8	56.8	54.6	48.0	37.5	27.4	21.7	37.3
Average Total Precipitation (in.)	0.73	0.61	0.76	0.65	0.89	1.07	2.36	2.17	1.51	0.93	0.59	1.01	13.26
Average Total SnowFall (in.)	4.7	3.7	4.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.2	6.3	21.8
Average Snow Depth (in.)	0	0	0	0	0	0	0	0	0	0	0	1	0

ANCHO, NEW MEXICO

Period of Record General Climate Summary - Precipitation

	Station:(290394) ANCHO													
		•		F	rom Y	ear=1	914 To Y e	ar=19'	71					
	Precipitation											Total	Snow	fall
	Mean	High	Year	Low	Year	1 D	ay Max.	>= 0.01 in.	>= 0.10 in.	>= 0.50 in.	>= 1.00 in.	Mean	High	Year
	in.	in.	_	in.	-	in.	dd/yyyy	# Days	# Days	# Days	# Days	in.	in.	-
January	0.74	3.60	46	0.00	19	1.00	26/1944	3	2	0	0	4.6	16.0	
February	0.62	2.35	48	0.00	16	1.12	16/1937	3	2	0	0	3.7	19.5	
March	0.77	3.54	58	0.00	14	1.02	30/1945	3	3	0	0	4.6	27.5	58
April	0.66	5.20	42	0.00	18	1.45	23/1942	3	2	0	0	1.3	21.0	49
May	0.90	6.35	41	0.00	15	2.75	01/1941	3	2	1	0	0.0	0.0	48
June	1.09	3.80	37	0.00	16	3.25	26/1937	4	3	1	0	0.0	0.0	48
July	2.38	6.80	29	0.25	47	3.25	08/1929	8	6	1	0	0.0	0.0	48
August	2.18	5.46	35	0.00	38	3.50	07/1964	7	6	1	0	0.0	0.0	48
September	1.52	10.41	41	0.00	18	2.90	22/1941	4	3	1	0	0.0	0.0	48
October	0.94	4.06	39	0.00	17	2.21	07/1939	3	3	1	0	0.0	0.0	48
November	0.60	2.93	23	0.00	14	1.05	02/1923	2	2	0	0	1.2	14.5	
December	1.02	3.39	23	0.00	17	1.55	10/1923	4	3	1	0	6.3	19.0	59
Annual	13.43	34.40	41	6.51	24	3.50	19640807	48	37	8	1	21.6	61.5	61
Winter	2.38	5.06	44	0.28	34	1.55	19231210	10	8	1	0	14.5		<u> </u>
Spring	2.33	8.57	41	0.24	27	2.75	19410501	9	7	1	0	5.9	34.0	
Summer	5.65	10.83	21	2.00	47	3.50	19640807	18	14	3	1	0.0	0.0	<u> </u>
Fall	3.07	14.81	41	0.15	21	2.90	19410922	10	8	2	0	1.2	14.5	61

For monthly and annual means, thresholds, and sums: Months with 10 or more missing days are not considered Years with 1 or more missing months are not considered

CORONA, NEW MEXICO

6600 Fl

Monthly Total Precipitation (inches)

File last updated on Jul 19, 1998

*** Note *** Provisional Data *** After Year/Month 194712

a = 1 day missing, b = 2 days missing, c = 3 days, ..etc..,

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS: 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing.

Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

Individual	Years	not use	d for ar	nnual st	atistics	if any n	nonth ii	n that y	ear has	more t	han 5 d	ays mis	sing.
YEAR(S)	JAN				MAY	JUN	JUL	AUG	SEP		NOV	DEC	ANN
		0.28 a		1.30 a	1.21	2.41	5.28 a	5.56 a	0.00	2.23	0.00	0.82	19.35
		0.89 b		2.00 c	0.94 a	0.66	4.35 b	3.35	1.50 a	0.00 z	0.00	1.07	17.26
	0.67	0.00	0.62	1.69 a	0.40	0.00	1.10	2.20	0.00	2.70	0.42	0.22	10.02
	0.60	0.83	0.30	0.20	0.92	0.00	0.10	2.20	0.55	0.00	0.11	0.00	5.81
	1.23	0.45	0.04	0.00	0.15	$0.00 \ z$	2.66	1.25	0.35	2.05	1.21	1.32	10.71
	0.19	0.29	1.12	3.22	1.10	3.14 a	1.38	0.87	2.56	0.40	0.77	0.18	15.22
	0.81	0.91	0.76	0.87	4.00	2.80	1.24	2.04	1.60	0.11	0.00	0.02	15.16
	0.61	0.15	0.73	0.30	0.97	2.79	5.56	1.03	0.21	0.07	0.00	0.30	12.72
	0.32	0.37	0.72	0.69	0.43	0.83	1.99	1.58	1.44	0.18	0.60	0.00	9.15
	0.51	1.39	0.17	0.45	0.00	0.32	1.50	2.44	0.35	1.80	2.02	2.12	13.07
	0.00	0.33	1.40	0.90	0.52	0.76	1.61	2.28	0.15	0.40	0.30	0.61	9.26
	0.42	0.00	0.00	0.00	1.43	0.68	3.80	2.09	3.32 a		0.05	0.51	13.19
	1.69	0.15	2.97	1.02	1.35		2.84 a	3.32	3.47	1.27	0.00	3.21	21.39
	0.00	0.50	0.10	0.48	0.40	2.26	4.57	1.17	2.14	0.00	0.00	0.36	11.98
	0.00	1.48	0.17	1.16	0.00 z	0.00	0.66	3.58	0.00	2.28 a	0.60	1.07	11.00
	0.48	1.93	1.70	0.00	3.55	0.00	4.39	4.19	1.53	1.28	0.50	0.00	19.55
	1.04	0.12	1.96 a		0.45	2.77	1.86	1.57	0.09	2.23	1.26	1.31	15.57
	0.91 a		2.20	3.24	0.88	0.86	0.00 z		4.80	1.77	1.35	2.23	24.83
	3.00	0.94	1.93	0.18	2.03	1.23	4.11	2.79	3.18	1.84	0.00	1.71	22.94
	1.19	0.93	0.00	1.04	1.01	2.00	1.40	2.15	1.67	0.75	1.34	0.08	13.56
	0.52	0.00	0.57	0.92	1.51	0.57	0.97	6.12	0.14	0.67	2.14 a		14.62
	0.00	1.21	0.53 a		3.63	1.31	1.28	2.83	1.27	0.43	0.95	0.71	14.32
	1.45	0.35	0.00	1.65	1.80	0.15	1.15	1.05	3.05 a	0.25	0.00	1.53	12.43
	0.75	1.46	2.41	1.85 a		2,98	5.52	0.71	1.71	1.33		0.00 z	
	1.18	0.75	0.50	0.05	0.00	0.77	3.12	0.00	4.43	0.16	0.65	0.00	11.61
	1.18	1.43	0.46	1.92	0.62	0.18	2.56 a		3.05	0.79	0.50	0.30	17.30
	0.10	2.45 a		0.33	1.77	1.12	1.11	3.35	0.99	0.37	0.00	0.10	12.50
	1.05	0.70	3.30	1.13	5.91	5.40	3.00	3.30	9.08	2.43	0.65	0.16	36.11
	0.00	0.59	0.15	5.81 a		1.76	1.08	6.54	3.28	1.01	0.00	2.77	22.99
	0.00	0.00	0.42	0.35	1.79	2.87	1.67	1.00	0.00	0.00	0.87	0.73	9.70
	2.02	0.28	0.14	0.94	0.53	0.48	3.45	1.45	0.78	1.75	0.50	1.20	13.52
	0.93	0.17	0.37	0.56	0.58	0.00	3.68	3.26	1.24	0.45	0.00	0.40	11.64
1946	2.35	0.70	1.15	0.24	0.25	0.33	2.71	5.23	3.08	1.70	1.85	0.00	19.59

1947	0.00	0.00	0.16	0.57	1.00	1.15	0.46	1.95	0.00	0.83	0.20	1.25	7.57
1948	2.00	2.65	2.00	0.00	2.05	0.55	1.58	2.33		0.40	0.20	0.26	15.49
1949	0.82	0.30	0.42	1.95 a		1.13	2.61	2.35	1.81	0.50	0.10	0.44	13.03
1950	0.03	0.18	0.00		0.59	1.24	5.53 b		1.45	0.25	0.00	0.05	9.67
1951	0.86	0.00 d			0.16	0.00	1.28	3.16	0.10	0.58	0.29	0.43	7.98
1952	0.19	0.14	0.94	1.21	0.28	0.93	2.16	3.85	1.47	0.00	0.81	1.13	13.11
1953	0.30	1.04	1.04	0.32	1.14	0.99	2.14	2.99	0.24	0.62	0.48	0.32	11.62
1954	0.66	0.00	0.15	0.16	1.94	0.88	1.61	1.96	3.85	2.67	0.10	0.61	14.59
1955	0.15	0.10	0.30	0.10	0.93	0.28	5.10	2.57 a	0.93	1.00	0.03	0.51	12.00
1956	0.53	1.10	0.05	0.18	0.63	1.90	2.97	1.30	0.00	1.21	0.00	0.01	9.88
1957	0.46	0.84	1.10	1.47	1.15	0.85	1.51	3.49	0.95	3.83	1.51	0.07	17.23
1958	1.07	1.00	2.72	1.88	0.46	1.80	3.20	1.61	4.81	1.87	0.73	0.82	21.97
1959	0.27	0.77	0.18	1.80	1.61	2.91	1.66	5.20	0.09	1.15	0.09	1.37	17.10
1960	0.85	0.38	0.14	0.00	0.64	1.80	4.09	3.34	1.23	2.03	0.22	1.20	15.92
1961	0.68	0.31	1.08	1.33	0.85	0.90	1.69	6.11	3.17	0.40	3.04	1.26	20.82
1962	0.55	0.08	0.80	0.58	0.00	2.01	5.18	1.31	3.10	0.77	0.41	0.63	15.42
1963	0.48	0.82	0.27	0.08	0.56	0.54	1.21	3.58	2.08	0.34	0.26	0.44	10.66
1964	0.17	1.57	0.59	0.44	1.80	0.29	3.42	1.14	1.86	0.00	0.42	0.11	11.81
1965	0.32	0.88	0.82	0.87	1.10	0.91	4.36	2.28	0.00 z	0.60	0.21	1.44	13.79
1966	0.46	0.63	0.10	0.00	0.19	3.47	1.38	7.68	0.96	0.09	0.30	1.26	16.52
1967	0.08	0.80	0.30	0.00	0.00	3.05	2.54	4.26	0,99	0.21	0.40	1.78	14.41
1968	0.00 z	0.00 a	1.20	0.00	0.21	0.38	4.63	1.84	0.05	1.21	0.69	0.76	10.97
1969	0.09	0.61	1.19	0.56	2.37	1.26	3.01	3.74	2.71	2.40	0.88	1.51	20.33
1970	0.02	0.38	1.42	0.05	0.99	1.62	2.37	2.29	0.25	0.90	0.13	0.26	10.68
1971	0.57	0.65	0.37	0.19	0.00	0.04	2.67	4.40	1.48	1.57	1.49	1.54	14.97
1972	0.41	0.22	0.04	0.00	0.70	1.99	3.96	3.79	3.09	3.66	0.72	0.76	19.34
1973	0.50	0.00 z	0.44	0.10 a	1.13	1.92	2.89	1.27	0.25	0.25	0.22	0.00	8.97
1974	0.50	0.59	0.12	0.10	0.73	0.00 z	2.22	4.17	4.84	3.54		0.00 z	
1975	0.82 s		2.19	0.15	0.06	0.20	1.75	1.43	0.99	0.19	0.50	0.40	9.23
1976	0.10	0.70	1.60	0.47	2.53	0.99	1.96	2.32	3.89	0.50	0.53	0.50	16.09
1977	2.60	0.00 z	0.00 z	0.00 z					0.00 z	0.00 z	0.00 z	0.00 z	2.60
					eriod of							^ = 6	4 4 7 6
MEAN	0.68	0.70	0.82					2.79					14.76
S.D.	0.66	0.68	0.81	0.99	1.12	1.12	1.42	1.60	1.70	0.98	0.63	0.72	5.04
SKEW	1.55	1.73	1.21	2.55	1.95	1.15	0.51	0.81	1.56	1.01	1.72	1.21	1.48
MAX	3.00	3.47	3.30	5.81	5.91	5.40	5.56	7.68	9.08	3.83	3.04	3.21	36.11
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	5.81
NO YRS	62	62	63	63	62	61	62	63	62	62	61	61	53

CORONA 11 SSW, NEW MEXICO



Monthly Total Precipitation (inches)

File last updated on Jul 19, 1998

*** Note *** Provisional Data *** After Year/Month 000000

a = 1 day missing, b = 2 days missing, c = 3 days, ..etc..,

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS: 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing. Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

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YEAR(S)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1977	0.00 z	0.00 z	$0.00 \ z$	$0.00\ z$	0.00 z	0.00 z	$0.00 \ z$	0.00 z	0.00 z	0.00 z	0.00 z	0.13	0.13
1978	0.99 b	1.93	1.38	0.00	1.48	0.00 z	0.95	3.64	0.93	0.00 z	2.15	1.68	15.13
1979	1.37 b	0.44	0.10	0.33	2.39	3.23	2.72	0.87	2.89	0.31	1.02 a	0.97	16.64
1980	0.63	0.84	0.27	1.12	0.41	0.08	1.71	2.46	4.05	0.10	0.32	0.33	12.32
1981	0.56	0.26	0.85	0.48	0.56	2.54	1.76	5.66	1.38	0.95	0.35	0.00	15.35
1982	0.83	0.28	0.58	0.08	0.37	0.17	3.36	1.45	2.27	0.12	1.16 d	0.58	11.25
1983	0.83	0.58	1.80	0.60 a	0.31	0.40	0.65	1.86	1.51	2.44	1.48	0.96 b	13.42
1984	0.27	0.07	0.74	0.28	$0.00 \; m$	2.89 c	1.30	3.56 k	0.62	2.43	0.68	1.90 c	11.18
1985	1.30	0.56	0.55 a	0.99	0.46	0.98	2.64	1.30 p	0.37	4.54	0.64	$0.00 \ z$	13.03
1986	0.06	1.41	0.86	0.09	1.47	1.75 i	0.44	1.58	1.14	2.78	2.65	2.95	15.43
1987	1.13 e	2.47	0.23	0.29 d	0.00 z	0.861	0.36	3.18	0.57 f	0.29	0.97	3.301	8.92
1988	0.70	0.91	0.00	0.20	0.48	1.44	3.80	2.98	2.30	0.00	0.52	1.07	14.40
1989	0.27	0.54	0.99	0.16	0.79	0.52	2.33 d	3.33 b	1.68 m	0.27	0.00	0.44	9.64
1990	0.57	0.89	1.12 b	0.86	0.70	0.24	3.07 d	2.03 b	2.43 i	0.66	1.08	1.63 b	12.85
1991	0.52	0.54	0.26	0.00	1.01	0.17	2.75 g	3.53 d	3.47 c	0.69	1.20 e	2.42	13.81
1992	1.28	0.44 b	0.63	0.44	5.76 b	0.95	2.93 h	1.57 e	0.72	0.00 z	0.00 z	0.00 z	11.79
				P	eriod of	Recor	d Statis	stics					
MEAN	0.75	0.81	0.69	0.39	1.25	1.13	1.93	2.63	1.80	1.20	1.02	1.16	13.90
S.D.	0.40	0.66	0.50	0.36	1.48	1.14	1.15	1.28	1.19	1.40	0.72	0.91	1.98
SKEW	0.02	1.38	0.61	0.82	2.39	0.84	0.08	0.84	0.59	1.20	0.87	0.54	0.04
MAX	1.37	2.47	1.80	1.12	5.76	3.23	3.80	5.66	4.05	4.54	2.65	2.95	16.64
MIN	0.06	0.07	0.00	0.00	0.31	0.08	0.36	0.87	0.37	0.00	0.00	0.00	11.25
NO YRS	15	15	15	15	13	12	13	13	12	13	14	13	6

CLOUDCROFT ____, NEW MEXICO

Monthly Total Precipitation (inches)

8310 (+

File last updated on Jul 19, 1998 *** Note *** Provisional Data *** After Year/Month 194709 a = 1 day missing, b = 2 days missing, c = 3 days, ..etc... z = 26 or more days missing, A = Accumulations present Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS: 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing. Individual Years not used for annual statistics if any month in that year has more than 5 days missing

Individua													
YEAR(S)	JAN							AUG	SEP		NOV		
1914	0.55	0.72		0.38	0.64	0.60	8.02	3.56	0.89	1.46	0.65	3.13	21.75
1915						z 0.00 z		0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00
1916	4.41	0.35		0.87		0.00	3,35	6.90	3.70	3.22	0.56	0.92	27.42
1917	0.00 z	2.00	0.00 z	0.002	z 0.00 z	z 0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	2.00
1918	3.51	1.08	1.25	0.00	0.00	2.56	4.57	7.47	0.39	2.64 a	3.05	2.00 c	28.52
1919	0.30	0.002	z 0.00 z	2.74 a	a 0.51	4.65	5.63	2.69 a	6.99	0.65 a	2.14 b	0.41	26.71
1920	1.37	1.15a	a 1.39 b	1.34	0.00 z	5.85 a	3.61	4.40	2.31 a	1.97	0.00	0.28	23.67
1921	0.21 a	0.87	0.87 a	0.00	0.95 a	1.70	5.65	0.00 z	3.76	0.00	0.21	0.63	14.85
1922	2.07 d	0.15	0.57 a	0.87 a	a 0.00	1.99	1.89	4.15	1.16	1.97 a	1.47 a	0.31 a	16.60
1923	1.15	2.52	1.51	0.75	1.20	0.41	5.90	7.21	1.33	0.00 z	0.00 z	3.58 c	25.56
1924	0.81 a	$0.51 \mathrm{c}$	d 1.50 b	0.72	0.50	0.00 z	6.61	2.74 a	0.34	0.90	0.35 a	1.73 c	16.71
1925	0.91 a	0.95	0.00	0.00	1.66 a	1.22	7.34	5.32	3.37 b	2.81 a	0.28	0.43	24.29
1926	2.80 e	0.40	4.74 f	0.43	0.00 z	1.26	3.96	3.83	4.27	4.40 c	0.00 z	3.19 b	24.54
1927	0.10	1.11	3.19	0.36	0.00	1.51	9.52	8.69	4.18	0.00	0.00	0.00 z	28.66
1928	0.06	2.23	0.13	0.37	3.53	0.00	4.87	8.44	1.09	3.58	1.40	0.29	25.99
1929	0.00 z	0.00 z	z 0.00 z	0.002	z 0.00 z	z 0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	(0.00)
1930	1.62 a			0.58		0.97	4.95	5.03	1.68	1.64	2.86	1.01	25.81
1931	0.00 z	0.002	z 0.00 z	0.00 z	z 0.00 z	z 0.00 z	0.00 z	0.00 z	0.00 z	$0.00 \ z$	0.00 z	0.00 z	(0.00)
1932	3.07	2.28	4.01	0.51	1.34	2.25	5.79	6.80 a	3.72	3.21	0.00	2.56	35.54
1933	3.04	2.69	0.48	0.52	2.15	3.61	3.56	3.33	1.10	1.32	0.89	0.05	22.74
1934	0.40	0.40	0.83	0.49	1.85	0.25	4.01	3.08	0.60	1.00	1.96	2.28	17.15
1935	1.61	2.48	1.31	0.29	1.50	1.31	1.88	6.12	2.20	0.00	1.45	0.53	20.68
1936	4.02 a	2.11	0.60 a	0.53	2.56	1.52	4.69	3.51	4.75 a	0.75	0.81	1.64	27.49
1937	0.55	2.46	3.35 y	0.35	2.16	4.55	2.46	3.42	3.38	2.14	0.20	2.12	23.79
1938	1.69	2.80 t	0.80 c	0.64	0.53	2.81	8.06	2.34	3.80	0.30	1.11	1.11	25.99
1939	0.00 z	0.00 z	z 0.00 z	0.00 z	z 0.00 z	z 0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	$0.00 z^{0}$	(0.00)
1940	1.22	2.55	0.42	0.33	2.52	1.71	5.90	2.68	2.28	2.07	1.32	1.51 a	24.51
1941	2.83	2.48	2.90	2.20	5.20	1.87	8.97	4.38	11.62 a	3.85	0.87	0.93	48.10
1942	0.69	1.85	1.12	3.49	0.00	0.62	4.37	8.84 c	4.39	3.06 b	0.00	3.46 c	31.89
1943	0.83	0.09	1.01	0.00	0.81	6.17	8.04	3.08	1.57	0.09	0.82	2.34	24.85
1944	2.98	1.61	0.60	1.10	0.48	1.18	7.41	4.12	2.52	0.00 z	1.86	0.00 z	23.86
1945	1.49	0.24	1.17	0.16	0.00	0.30	4.66	7.18	0.60	1.31	0.00	1.38	18.49
1946	5.24	0.62	2.74	0.73	1.45	1.52	6.52	2.40	2.72 a	0.00 z	0.98 g	1.23 a	25.17

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1947
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              1948
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             1953
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             1956
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CLOUDCROFT, NEW MEXICO

Monthly Total Precipitation (inches)

8710 ff

File last updated on Jul 19, 1998

*** Note *** Provisional Data *** After Year/Month 199804

a = 1 day missing, b = 2 days missing, c = 3 days, ..etc...

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS: 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing.

Individual Years not used for annual statistics if any month in that year has more than 5 days missing. JAN FEB MAR APR MAY JUN YEAR(S) JUL AUG SEP OCT NOV DEC ANN 1987 $0.00 \pm 0.00 \pm$ 1.15 1.64 1.95 < 7.8121988 3.08 1.47 0.45 1.97 0.76 2.72 6.64 11.23 2.46 2.61 2.18 0.44 36.01 1989 0.71 1.15 1.23 0.00 0.40 0.10 8.88 9.30 3.28 0.59 0.14 0.93 26.71 1990 1.71 2.74 1.33 1.45 1.18 0.40 7.80 3.84 5.40 0.42 2.51 2.61 31.39 1991 1.43 4.08 4.31 0.00 0.41 4.88 7.68 5.42 3.09 1.40 1.76 4.78 39.24 1992 3.44 1.34 1.26 1.69 5.31 1,27 4.21 4,17 2.03 2.79 1.17 3.31 31.99 1993 2.45 a 2.59 1.33 0.64 1.67 6.09 3.96 1.73 1.71 10.37 0.51 0.86 33.91 1994 0.56 1.78 1.99 0.57 2.97 2.00 3.42 4.83 4.11 2.92 4.39 4.27 33.81 1995 2.49 1.98 1.05 0.34 0.24 2.11 3.99 5.92 4.80 0.00 1.01 1.24 25.17 1996 0.73 1.01 0.18 0.26 0.02 3.44 7.76 6.16 4.35 2.31 0.95 0.02 27.19 1997 4.05 2.66 1.05 2.59 2.60 1.90 5.27 1.79 2.23 1.69 0.86 4.77 31.46 1998 0.50 3.36 3.01 0.04 0.00 z 0.00 z 0.00 z 0.00 z 0.00 z6.91 0.00 v 1.98 t 3.86 u Period of Record Statistics **MEAN** 1.92 2.20 1.56 1.56 31.69 0.87 2.05 6.17 6.30 3.19 1.61 1.69 2.49 S.D. 1.26 0.98 1.18 0.90 1.66 1.89 1.42 1.26 4.38 1.40 3.05 1.14 1.65 **SKEW** 0.31 0.52 1.26 0.70 1.22 0.38 -0.190.46 1.10 0.12 0.06 0.56 -0.14**MAX** 4.05 4.08 4.31 2.59 5.31 4.88 8.88 11.23 5.40 3.96 4.39 4.78 39.24 **MIN** 0.50 1.01 0.18 0.51 0.00 0.02 0.10 3.42 1.79 0.00 0.14 0.02 25.17

NO YRS

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MESCALERO, NEW MEXICO

Monthly Total Precipitation (inches)

4500 \$1

File last updated on Jul 19, 1998

*** Note *** Provisional Data *** After Year/Month 194712

a = 1 day missing, b = 2 days missing, c = 3 days, ..etc..,

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS: 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing. Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

YEAR(S) JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANN 1914 0.44 1.17 0.36 0.23 2.81 3.76 7.00 2.57 0.00 z 2.710.30 4.38 25,73 1915 2.11 1.60 1.33 2.60 0.08 0.00 6.52 1.39 3.09 0.20 0.29 0.37 a 19.58 1916 0.00×0.17 1.36 a 0.35 0.55 0.00 2.84 a 4.98 $0.00 \pm 0.00 \pm 0.00 \pm 0.00 \pm 10.25$ 1917 $0.00 \pm 0.00 \pm$ 1918 $0.00 \pm 0.00 \pm 0.00 \pm 0.05$ 0.33 0.90 4.48 3.36 0.51 3.28 1.88 1.77 16.56 1919 0.10 0.00 z 0.00 z 1.360.55 3.93 5.14 2.82 4.63 1.04 2.72 0.30 a 22.59 1920 0.43 0.80 0.10 0.50 0.53 2.66 1.97 2.15 0.90 1.97 b 0.00 z 0.24 12.25 1921 0.35 0.00 z 0.600.25 0.00 z 1.856.33 0.00 z 2.800.48 0.19 0.46 13.31 1922 1.73 a 0.01 0.26 0.63 0.52 1.37 1.62 4.37 1.49 1.54 $0.00 \ z \ 0.00$ 13.54 1923 1.24 2.13 1.09 0.74 0.80 0.19 7.75 3.10 0.00×0.55 1.90 a 2.35 a 21.84 1924 0.32 0.00 z 0.960.00 z 1.26 0.37 4.86 2.20 0.27 0.04 0.30 0.25 10.83 1925 0.08 0.19 0.120.00 2.93 1.54 4.18 a 4.07 a 3.28 2.35 0.21 0.15 19.10 1926 0.93 0.26 2.84 0.55 1.05 0.50 1.91 1.52 1.38 1.95 0.20 1.61 14.70 1927 0.06 1.17 1.43 0.05 0.00 1.33 6.03 4.02 1.86 0.00 0.94 0.08 16.97 1928 0.05 1.40 0.12 0.00 z 2.910.00 2.13 0.00 z 1.143.30 1.57 0.50 13.12 1929 0.47 1.05 0.00×0.10 2.40 0.05 0.00 z3.88 1.60 2.75 1.60 0.15 14.05 1930 0.78 0.80 0.96 0.70 1.77 2.00 5.46 3.67 0.98 0.00 z 2.051.05 20.22 1931 0.00 z 3.420.50 0.63 2.38 0.70 7.06 5.78 4.80 0.30 $0.00 \pm 0.00 \pm 25.57$ 1932 0.00 z 1.161.04 0.30 0.00 z 0.62 1.54 4.70 a 1.92 1.89 0.00 2.18 a 15.35 1933 1.11 1.38 0.00 ± 0.20 0.73 3.23 5.61 0.00 z 0.300.00 z 1.210.00 13.77 1934 0.00 0.13 0.48 0.20 0.90 0.00 2.66 2.95 0.65 0.31 2.22 0.77 11.27 1935 0.94 0.48 0.51 0.37 1,25 2.01 1.64 6.04 4.83 0.38 1.48 0.88 20.81 1936 2.62 0.63 0.60 1.00 2.27 0.59 3.34 3.70 4.24 a 1.02 0.70 2.15 22.86 1937 0.27 1.17 1.25 0.10 2.51 1.79 1.47 0.00 z 1.872.46 0.00 z 1.1714.06 1938 1.12 2.02 0.87 0.75 0.05 1.72 4.60 0.00 z 3.290.13 0.89 1.70 a 17.14 1939 1.25 0.43 0.00 z 0.00 z 0.28 0.85 5.59 4.02 2.69 1.87 1.19 1.15 19.32 1940 0.74 2.46 0.18 0.32 2.36 a 1.49 4.56 5.69 2.02 0.55 1.52 2.69 a 24.58 1941 2.05 2.45 2.32 1.27 1.57 5.14 4.10 4.29 6.17 a 3.86 b 0.73 1.24 35.19 1942 0.471.06 a 0.33 3.60 0.00 0.97 9.50 2.60 2.66 2.56 0.00 3.01 26.76 1943 0.48 0.04 0.00 z 0.021.63 4.67 4.22 0.00 z 1.26 1.12 1.74 0.9816.16 1944 1.27 1.48 0.30 0.69 0.78 0.21 3.81 4.25 2.11 0.34 1.78 1.21 18.23 1945 0.78 0.19 1.78 0.12 0.00 0.08 3.23 1.78 1.31 0.81 0.00 0.71 10.79 1946 0.96 0.02 1.33 0.41 0.65 1.81 4.26 2.57 0.59 0.45 17.25 3.11 1.09

1947	0.24	0.22	0.13	0.13	0.57	0.36	1.08	3.35	0.52	0.46	1.13	1.37	9.56
1948	0.08	1.89	0.61	0.09	0.52	1.82	2.22		0.00 z				8.73
1949			•	0.00 z		0.33	3.70	3.18	2.92		0.10	0.00 z	
1950				0.00 z					0.65 a			0.00	11.71
1951	0.30						2.94 m						0.30
1952	0.00 z	0.00 b		1.25	0.00	2.83	1.93	3.37	0.10	0.00	0.75	1.00	12.62
1953	0.00	1.37	0.78	1.44	0.25	0.94	4.87	0.79	0.83	1.12	0.26	0.45	13.10
1954	0.61	0.00	0.95	0.03	0.89	1.37	2.93	4.36	1.65	0.60	0.00	0.02	13.41
1955	2.15	0.24	1.80	0.14	0.66	0.31	5.94	4.49	1.51	1.53	0.07	0.35	19.19
1956	0.50	0.18	0.00	0.28	0.08	1.88	1.97	4.21	0.00	1.68	0.00	0.45	11.23
1957	1.47	1.85	1.56	0.65	0.74	0.57	4.51	6.30	0.90	3.97	2.08	0.14	24.74
1958	1.46	1.55	3.97	1.18	0.76	3.98	3.15	4.47	5.94	1.55	1.15	0.20	29.36
1959	0.03	1.70	0.06	0.04	1.10	1.37	2.57	5.59	0.00	0.82	0.00	1.61	14.89
1960	4.39	0.91	0.10	0.00	1.17	1.94	5.18	3.26	1.33	1.38	0.06	1.46	21.18
1961	1.01	0.09	1.92	0.01	0.65	3.70	4.37	2.68	5.34	0.10	2.39	0.00 z	
1962	1.59	0.76	0.42	0.41	0.05	2.64	5.65	1.91	4.67	1.15	1.18	1.63	22.06
1963	0.83	0.72	0.02	0.56	0.31	0.20	3.09	7.92	3.98	0.77	0.63	0.33	19.36
1964	0.10	0.51	0.77	0.50	1.15	0.04	3.35	1.83	3.18	0.00	0.08	0.63	12.14
1965	1.95	1.78	1.56	1.64	0.83	2.42	3.20	6.16	3.68	0.96	0.52	5.28	29.98
1966	1.00	1.76	0.68	0.62	0.19	4.61	3.10	5.15	1.96	0.17	1.08	0.83	21.15
1967	0.00	0.88	0.17	0.15	0.10	1.69	2.82	3.85	1.93	0.01	0.98	2.46	15.04
1968	0.90	1.47	2.59	0.32	0.44	0.36	3.35	5.16	0.24	0.58	1.78	1.82	19.01
1969	1.38	1.20	0.90	0.08	1.52	0.34	2.61	4.64	3.00	1.18	0.16	1.69	18.70
1970	0.15	0.19	1.57	0.04	0.09	1.79	4.15	2.05	0.20	1.09	0.01	0.95	12.28
1971	0.05	0.72	0.00	0.85	0.23	0.53	5.96	4.26	1.35	4.73	2.32	1.41	22.41
1972	1.21	0.39	0.00	0.00	0.20	2.06	2.68	3.72	3.57	3.86	0.92	2.87	21.48
1973	1.33	1.17	1.96	0.00	1.01	2.20	4.07	2.60	1.21	0.08	0.49	0.05	16.17
1974	1.96	0.67	0.62	0.05	0.07	1.70	3.82	5.97	4.05	5.16	1.13	1.48	26.68
1975	1.15	1.18	1.38	0.30	0.39	0.15	4.26	3.60	4.12	0.05	1.68	1.22	19.48
1976	0.50	1.74	0.55	1.60	2.47	0.46	6.62	2.20	2.24	0.89	0.51	0.00	19.78
1977	1.65	0.88	0.17	2.12	2.16	1.36	4.51	5.95	1.14	1.85	0.00	0.36	22.15
1978	3.13	1.85	1.93	0.20	1.52	0.83	2.00	4.20	1.65	$0.00\;\mathbf{z}$	0.00 z	$0.00\;z$	17.31
				Pe	eriod of	f Recor	d Statist	tics					
MEAN	0.95	1.00	0.94	0.60	0.95	1.41	3.94	3.94	2.21	1.39	0.85	1.14	19.28
S.D.	0.86	0.76	0.83	0.73	0.93	1.21	1.71	1.75	1.59	1.27	0.78	1.07	5.78
SKEW	1.48	0.67	1.25	2.02	1.29	0.94	0.69	0.69	0.66	1.12	0.58	1.63	0.50
MAX	4.39	3.42	3.97	3.60	4.10	4.67	9.72	9.50	6.17	5.16	2.72	5.28	35.19
MIN	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.79	0.00	0.00	0.00	0.00	9.56
NO YRS	57	57	55	58	60	62	62	57	59	57	56	57	38

RUIDOSO 2 NNE, NEW MEXICO 6840 (1

Monthly Total Precipitation (inches)

File last updated on Jul 19, 1998

*** Note *** Provisional Data *** After Year/Month 199804

a = 1 day missing, b = 2 days missing, c = 3 days, ..etc..,

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS: 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing. Individual Years not used for annual statistics if any month in that year has more than 5 days missing

	individua							month in	that ye	ar has				ssing.
Y	EAR(S)	JAN	FEB		APR		JUN		AUG	SEP		NOV	DEC	ANN
	1942	0.44	1.65	0.40	3.49	0.05	2.28	4.30	7.37	1.89	2.73	0.00	3.35	27.95
	1943	0.97	0.00	1.60	0.54	1.51	2.74	0.00 z	0.00 z	0.55	1.14	0.00 z	1.71	10.76
	1944	1.86	0.64	0.24	0.77	0.80	3.75	2.67	3.94	2.67	0.43	1.57	1.34	20.68
	1945					0.00 z	0.18	1.94	4.69	0.83	0.78	0.00	1.01	9.43
	1946	2.01	0.24	1.54	0.24	0.47	2.17	5.97	7.27	2.92	0.64	0.53	0.81	24.81
	1947	1.08	0.54	0.75	0.61	1.36	0.69	1.30	3.54	1.11	0.76	1.42	1.34	14.50
	1948	0.58	2.61	1.82	0.37	1.94	3.66	5.58	1.12	0.92	1.48	0.02	2.59	22.69
	1949	2.52	2.18	0.55	1.68	0.39	1.48	4.80	4.34	3.20	1.81	0.12	2.35	25.42
	1950	0.74	0.37	0.04	0.08	0.10	2.24	10,86	2.41	4.69	0.32	0.00	0.00	21.85
	1951	0.88	1.12	2.30	1.26	0.24 a	0.10	3.41	5.57	1.31	1.59	1.63	2.53	21.94
	1952	0.77	1.01	3.60	1.52	0.20	1.82	3.74	4.27	1.95	0.00	1.44	1.23	21.55
	1953	0.14	0.97	1.76	0.97 a	0.71	1.83	6.11	3.00	0.57	0.68	0.66	1.27	18.67
	1954	0.74	0.12	1.64	0.13	2.42	0.67	2.99	5.11	3.86	1.73	0.01	0.55	19.97
	1955	1.12	0.86	3.12	0.17	0.61	0.64	5.12	2.87	1.60	1.77	0.04	0.59	18.51
	1956	0.43	2.06	0.00	0.26	0.57	1.78	4.43	3.28	0.56	1.05	0.00	0.29	14.71
	1957	1.36	1.24	1.25	0.72	1.37	1.45	4.88	6.64	0.45	3.24	1.70	0.27	24.57
	1958	1.41	1.95	4.58	1.09	1.35	2.46	3.56	1.94	5.15	1.41	1.22	0.39	26.51
	1959	0.05	1.56	0.39	0.42	0.94	2.18	5.27	6.18	0.06	0.64	0.01	1.81	19.51
	1960	2.75	0.81	0.17	0.02	0.69	1.88	4.33	1.15	0.59	1.29	0.15	1.90	15.73
	1961	0.89	0.14	1.12	0.08	0.37	2.98	2.93	4.97	4.42	0.08	1.76	5.40	25.14
	1962	1.62	0.26	1.04	0.33	0.28	1.98	7.22	1.31	5.46	1.12	1.11	1.50	23.23
	1963	1.61	1.22	0.02	0.38	0.08	0.30	4.14	8.24	3.10	0.41	0.32	0.15	19.97
	1964	0.36	1.67	0.88	0.33	1.20	0.00	4.34	1.55	5.80	0.44	0.14	0.71	17.42
	1965	1.77	2.32	1.15	1.11	1.71	6.39	4.96	5.39	4.32	0.67	0.83	4.19	34.81
	1966	1.19	1.27	0.54	1.29	0.25	3.33	1.16	4.35	0.97	0.05	1.16	0.95	16.51
	1967	0.00	1.04	0.12	0.48	0.28	2.87	3.84	5.84	2.24	0.02	0.64	3.47	20.84
	1968	0.96	1.85	1.86	0.27	0.50	1.85	4.29	2.14	0.95	0.78	1.39	1.85	18.69
	1969	0.40	0.92	0.67	0.17	1.65	1.25	3.86	4.87	3.25	1.45	0.60	2.85	21.94
	1970	0.50	0.42	2.05	0.04	0.00	2.06	2.62	2.08	0.33	1.47	0.05	0.65	12.27
	1971	0.35	1.65	0.20	0.50	0.59	0.78	5.27	4.81	2.52	2.70	1.45	2.15	22.97
	1972	0.55	0.55	0.00	0.00	0.00	4.35	4.38	5.07	4.97	4.63	0.68	1.45	26.63
	1973	1.35	1.87	2.93	0.96	1.86	2.25	5.33	2.76	0.35	0.01	0.67	0.15	20.49
	1974	1.97	1.30	0.60	0.00	0.10	0.58	3.01	3.88	4.50	6.49	0.70	1.15	24.28

1975	0.00	z 0.00 z	4.46	0.80	0.80	0.70	4.42	0.00 z	2.78	0.30	1,55	0.46	16.27
1976	1.25	1.50	0.61	1.40	1.30	2.75	3.05	3.55	1.80	1.45	2.05	0.15	20.86
1977	2.20	1.51	0.55	2.97	0.40	1.25	2.87	5.55	1.50	1.40	0.00	0.35	20.55
1978	1.55	0.72	1.15	0.20	2.30	0.00 z	3.60	4.60	3.40	1.59	2.48	8.88	30.47
1979	2.44	1.22	0.43	0.50	1.82	2.97	3.02	2.73	1.64	0.00	z 1.08	1.13	18.98
1980	2.25	0.65	0.56	0.51	1.60	0.38	2.35	5.38	4.50	0.25	0.76	0.46	19.65
1981	1.25	0.97	0.00 z	2 0.00 z	0.90	2.15	4.02	4.64	2.76	1.41	1.27	0.00	19.37
1982	3.44	1.06	0.31	0.67	0.40	0.62	5.22	2.75	5.54	0.30	0.97	2.26	23.54
1983	1.28	1.28	1.17	2.01	0.44	0.33	2.33	1.60	2.50	2.79	1.01	1.16	17.90
1984	0.33	0.00	0.00	0.12	2.87	1.66	2.52	11.36	2.45	4.23	0.09	4.42	30.05
1985	2.07	1.87	2.07	1.08	0.47	2.55	1.73	2.32	2.49	6.98	0.50	0.13	24.26
1986	0.36	2.09	1.35 a	0.10	1.68	5.12	2.99	4.55	2.72	3.93	2.39	2.26	29.54
1987	0.91	2.53	0.70	0.74	1.84	1.11 t	0.00 z	0.00 z	0.00	z 0.00	z 0.00	z 0.00 z	6.72
1988		z 0.00 z				0.00 z	0.00 z	0.00 z	0.00	z 0.00 :	z 0.00	z 0.00 z	0.00
1989						0.00 z	0.00 z	0.00 z	0.00	z 0.00 :	z 0.00	z 0.00 z	0.00
1990						0.00 z		0.00 z	0.00	z 0.00	z 0.00	z 0.00 z	0.00
1991	0.00	z 0.00 z	0.00 z	z 0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00	z 0.00 :	z 0.00	z 0.00 z	0.00
1992		z 0.00 z				0.00 z	0.00 z	0.00 z	0.00	z 0.00 ż	z 0.00	z 0.00 z	0.00
1993		z 0.00 z				0.00 z	0.00 z	0.00 z	2.00	2.04	1.01	1.21	6.26
1994		a 0.99	1.69	0.22	2.55	0.73 b	2.89	3,97	2.66	0.54	2.94	2.61	22.10
1995	1.17a	a 1.10	1.04	0.44	0.05	1.78	2.88	4.04	5.07	0.00	0.20	1.33	19.10
1996	1.73	0.52	0.15	0.20	0.04	5.16	5.97	4.48 a	3.14	1.59	0.56	0.01	23.55
1997	2.08	1.14	0.93	1.58	3.06	2.29	3.72	4.16 a	2.40	0.79	0.50	3.22 a	25.87
1998	0.19	0.98	2.21 a			27.00 d	2.16 n		0,00	z 0.00 :	z 0.00	z 0.00 z	30.44
						of Recor							
MEAN	1.19	1.15	1.19	0.69	0.94	2.50	4.00	4.20	2.55	1.50	0.84	1.64	21.90
S.D.	0.79	0.67	1.10	0.73	0.83	3.83	1.66	1.99	1.60	1.55	0.74	1.62	4.40
SKEW	0.61	0.24	1.38	1.92	0.81	5.49	1.42	0.98	0.36	1.88	0.76	2.15	0.39
MAX	3.44	2.61	4.58	3.49		27.00	10.86	11.36	5.80	6.98	2.94	8.88	34.81
MIN	0.00	0.00	0.00	0.00	0.00	0.00	1.16	1.12	0.06	0.00	0.00	0.00	12.27
NO YRS	49	49	49	49	50	49	48	47	50	49	49	50	43

FORT STANTON, NEW MEXICO

Monthly Total Precipitation (inches)

6220 ft

File last updated on Jul 19, 1998

*** Note *** Provisional Data *** After Year/Month 194712

a = 1 day missing, b = 2 days missing, c = 3 days, ..etc..,

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS: 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing. Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

IIIdi vidad							IIIOIIII I	-		more a	nan 5 u	ays mus	sing.
YEAR(S)	JAN			APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1914	0.21	0.28	0.20	0.90	1.12	1.85	4.84	2.29	0.80	2.62	0.14	1.35	16.60
1915	0.60	1.33	2.13	3.93	0.87	0.20	5.30	1.65	3.05	0.50	0.00	1.21	20.77
1916	1.81	0.21	0.75	1.60	0.00	0.00	2.65	4.19	1.78	1.35	0.32	0.19	14.85
1917	0.49	0.56	0.31	0.08	0.74	0.48	1.59	4.38	0.81	0.00	0.35	0.00	9.79
1918	1.09	0.11	0.00	0.02	0.30	0.53	4.32	4.10	0.77	2.40	0.35	1.18	15.17
1919	0.23	0.05	2.40	2.17	$0.00 \ z$	3.44	4.17	1.15	6.12	0.30	0.88	0.16	21.07
1920	0.28	0.00 z	0.20	0.00 z	1.61	0.00 z	3.37	4.00	1.71	1.86	0.00	0.08	13.11
1921	0.22	0.00	0.65	0.45	3.17	3.02	6.47	0.00 z	1.82	0.19	0.09	0.06	16.14
1922	0.34	0.17	0.23	0.65	1.15	2.57	1.23	0.60	0.93	0.00	0.81	0.10	8.78
1923	0.46	1.25	0.45	1.35	0.15	0.48	3.27	2.37	0.94	1.40	1.58	1.29	14.99
1924	0.10	0.50	0.49	0.49	0.44	0.35	4.10	2.48	0.05	0.40	0.06	0.30	9.76
1925	0.10	0.03	0.02	0.04	2.91	0.46	5.16	4.59	2.34	0.95	0.00	0.28	16.88
1926	1.37	0.03	3.53	0.95	2.57	1.16	2.38	2.63	4.48	1.47	0.00 z	0.00 z	20.57
1927	0.12	0.38	0.25	0.00	0.00	1.49	3.53	3.57	2.92	0.00	0.00	0.00	12.26
1928	0.00	0.00 z	0.11	0.15	1.61	0.00	0.86	3.46	0.09	1.85	0.53 a	0.00 z	8.66
1929	0.41	1.14	0.43	0.00	2.33	0.32	4.30	1.70	2.48	0.00 z	0.31	0.00 z	13.42
1930	0.67	0.39	0.00 z	0.54	0.80	1.11	0.00 z	1.61	0.03	1.69	0.82	0.00 z	7.66
1931	0.00 z	1.96	0.00 z	2.21	$0.00\;z$	1.18	1.83	2.27	4.18	0.53	0.48	0.00 z	14.64
1932	0.00 z	0.34	1.38	0.04	$0.00 \ z$	1.26	2.16	3.65	3.26	2.35	0.00	0.98	15.42
1933	0.18	0.76	0.02	0.51	0.47	2.41	1.21	1.32	1.40	0.28	0.58	0.00	9.14
1934	0.22	0.39	0.33	0.36	0.77	0.15	0.55	3.83	0.48	0.36	1.05	0.19	8.68
1935		0.25	0.11	0.64	1.92	1.29	1.03	4.05	2.91	0.05	0.75	0.59	13.74
1936		0.36	0.31	1.01	1.88	1.05	4.22	1.93	4.03	0.39	0.47	0.64	17.70
1937	0.03	1.26	1.75	0.25	4.19	1.25	1.06	2.89	3.27	0.72	0.18	0.06	16.91
1938	1.25	0.91	0.43	0.15	0.07	2.90	4.43	0.95	3.23	0.55	0.25	0.35	15.47
1939	1.30	0.51	0.89	0.66	1.15	2.30	2.35	1.27	2.89	0.58	0.37	0.37	14.64
1940	0.18	1.26	0.02	0.40	2.20	0.50	2.76	3.10	1.04	0.73	0.59	0.40	13.18
1941		0.93	3.00	2.09	3.61	1.42	3.43	1.37	6.79	1.47	0.44	0.00 z	25.63
1942								0.00 z			0.00 z	0.00 z	0.00
1943	0.00 z	0.00 z	0.00 z	0.00 z	$0.00\;z$	$0.00\;z$	$0.00\;z$	0.00 z	$0.00\;z$	0.12	1.05	1.88	3.05
1944	4.08	0.35	0.12	0.10	0.40	0.45	2.19	2.66	3.09	0.90	1.06	0.77	16.17
1945	0.51	0.22	0.76	0.26	0.00	0.00	0.95	1.30	0.73	0.67	0.00	0.66	6.06
1946	1.15 a	0.08	0.58	0.14	0.86	0.86	2.16	2.87	2.97	0.20	0.52 a	0.37	12.76

1947	0.95	0.13	0.47	0.67 a	1.20	0.42	0.99	1.85	0.34	0.63	0.88	0.75	9.28
1948	0.42	1.58	1.27	0.53	2.07	2.45	2.87	1.06	1.40	1.02	0.13	0.55	15.35
1949	0.93	0.15	0.28	1.24	0.22	1.50	4.05	2.32	3.09	1.59	0.09	1.45	16.91
1950	0.00	0.15	0.10	0.10	0.00	1.69	4.86	1.43	4.98	0.60	0.00	0.00	13.91
1951	0.68	0.50	0.93	0.97	0.27	0.23	1.53	3.75	0.00	0.98	0.13	0.73	10.70
1952	0.38	0.45	0.85	0.56	0.27	1.38	4.36	2.00	1.11	0.00	0.92	0.32	12.60
1953	0.29	1.00	0.23	0.25	1.01	1.05	0.00 z	4.42	0.10	0.18	0.13	0.70	9.36
1954	0.37	0.00	0.00	0.11	2.79	0.15	2.74	2.57	3.57	1.75	0.06	0.15	14.26
1955	0.34	0.00	0.69	1.86	0.27	0.77	4.94	2.08	2.56	0.84	0.00	0.14	14.49
1956	0.10	1.64	0.00	0.04 a	0.92	0.66	3.54	1.37	0.00	1.01	0.00	0.09	9.37
1957	0.56	0.56	1.10	0.24	0.73	0.05	6.09	5.40	0.14	3.02	0.73	0.03	18.65
1958	0.88	0.37	3.31	0.69	1.59	1.15	4.53	1.75	3.41	0.74	0.21	0.48	19.11
1959	0.08	0.32 a	0.12 a	0.65	1.41	2.12	3.78	5.60	0.00	0.59	0.00	0.95	15.62
1960	0.48	0.17	0.00	0.00	3.12	2.22	3.58	2.10	0.91	1.31	0.00	1.50	15.39
1961	0.59	0.06	0.20	0.00	0.73	1.17	2.05	3.71	3.11	0.00	0.29	0.22	12.13
1962	0.62	0.26	0.49	0.89	0.00	3.31	2.86	0.36	4.31	0.89	0.25	0.80	15.04
1963	0.39	0.58	0.00	0.00	0.00	0.00	2.54	2.70	2.39	0.15	0.08	0.04	8.87
1964	0.12	0.79	0.38	0.10	0.64	0.00	3.02	2.34	2.04	0.19	0.00	0.13	9.75
1965	0.00	0.65	0.21	0.39	0.90	2.23	3.13	3.67	3.18	0.20	0.00	0.81	15.37
1966	0.91	0.22	0.20	0.82	0.00	4.21	0.50	3.42	0.34	0.00	0.00	0.20	10.82
1967	0.00	0.30	0.00	0.00	0.00	2.26	2.07	5.00	0.60	0.00	0.15	0.90	11.28
1968	0.50	1.20	0.60	0.00	0.00	0.00	6.15	2.58	0.10	0.00	0.31	1.10	12.54
1969	0.00	0.90	0.50	0.10	1.90	0.00	3.10	2.85	1.10	1.60	0.00 z	0.00 z	12.05
1970	0.00 z	$0.10 \ a$	0.23	0.00	0.06	2.51	0.00 z	1.82	0.11	0.81	0.00	0.17	5.81
1971	0.21	0.53	0.00	0.05	0.00	0.00 z	2.60	3.89	0.76 a	1.92	$0.00 \ z$	0.00 z	9.96
1972	0.00 r	0.10	0.00	0.00	0.28	3.35	2.92 k	4.43	2.55	2.75 c	0.00 z	0.20 b	13.66
1973	0.00 z	$0.00\;z$	0.00 z	0.00	1.07	0.00 z	$0.00\;z$	1.57 m	1.14	0.00	0.23	0.00	2.44
1974	0.00 z	$0.00\;z$	0.33	0.00	0.00	0.36	1.80	2.05	3.27	2.02	0.00	0.00 z	9.83
				\mathbf{P}	eriod o	f Recor	d Statis	stics					
MEAN	0.56	0.52	0.61	0.56	1.05	1.25	3.07	2.71	2.00	0.88	0.33	0.51	13.47
S.D.	0.66	0.48	0.82	0.74	1.06	1.08	1.50	1.25	1.62	0.80	0.37	0.48	3.33
SKEW	3.16	1.13	2.17	2.29	1.07	0.76	0.25	0.33	0.70	0.87	1.21	0.94	-0.09
MAX	4.08	1.96	3.53	3.93	4.19	4.21	6.47	5.60	6.79	3.02	1.58	1.88	20.77
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.36	0.00	0.00	0.00	0.00	6.06
NO YRS	53	55	56	58	56	56	54	57	59	59	56	51	42

BINGHAM 2 NE, NEW MEXICO 5550 FA

Monthly Total Precipitation (inches)

File last updated on Jul 19, 1998 *** Note *** Provisional Data *** After Year/Month 199804 a = 1 day missing, b = 2 days missing, c = 3 days, ..etc.., z = 26 or more days missing, A = Accumulations present Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS: 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing. Individual Years not used for annual statistics if any month in that year has more than 5 days missing

Individual													sing.
YEAR(S)	JAN							AUG			NOV	DEC	ANN
					0.00 z	0.00 z	0.00 z	0.00 z	$0.00\;z$	$0.00 \ z$	0.63	0.20	0.83
	0.10	1.00	0.26	0.23	0.61	0.59	2.37	1.02	0.53	0.52	0.36	0.16	7.75
	0.93	0.72	0.51	0.65	2.67	1.54	1.06	1.79	3.92	2.11	0.65	0.68	17.23
	0.00	0.27	0.82	1.32	0.00	0.01	2.68	2.49	3.16	1.58	0.00	0.68	13.01
	0.50	0.00	0.21	0.35	1.58	1.80	1.13	2.17	1.01	0.29	0.47	1.01	10.52
1944	1.05	0.11	0.00	0.70	0.53	0.18	2.47	2.22	1.17	0.85	1.25	0.67	11.20
	0.24	0.10	1.06	0.05	0.00	0.13	2.25	1.79	0.14	0.30	0.00	0.35	6.41
	0.82	0.00	0.30	0.48	0.00 z	0.26	1.15	1.13	1.24	1.22	0.41	0.06	7.07
	0.40	0.00	0.00	0.09	0.05	0.00	0.84	3.97	0.33	0.00	0.43	0.94	7.05
	0.17	1.14	0.10	0.10	1.16	0.711	0.38 b		0.57	0.96	0.00	0.24	7.35
	0.88 a		0.36	0.57	0.43	0.79	2.61	0.85	4.07	0.52	0.00	0.41 a	
	0.01	0.00	0.03	0.15	0.06	0.31	2.18		1.37 a	0.46	0.00	0.00	6.77
	0.46	0.14	0.59	0.31	0.05	0.00	0.67	3.46	0.03	0.97	0.35	0.27	7.30
	0.15	0.31	0.47	0.50	0.14	0.75	1.22	1.70	1.81	0.00	0.98	0.66	8.69
	0.00	0.98	1.47	1.19	0.25	0.48	2.33 c	1.78	0.82	0.22	0.53	0.07	10.12
	0.28	0.07	0.40	0.03	0.50	0.57	0.76	4.19	1.35	2.43	0.00	0.03	10.61
	0.57	0.02	0.00	0.00	0.18	0.17	3.02	1.04	0.36	0.28	0.00	0.31	5.95
	0.14	0.08	0.00	0.00	0.02	0.05	0.51	0.81	0.10	1.11	0.02	0.00	2.84
	0.30	0.36	0.78	0.22	0.15	0.03	1.94	2.18	0.35	1.58	0.73	0.11	8.73
	0.21	0.02	2.07	0.67	0.11	0.34	1.13	1.95	2.01	1.89	0.32	0.13	10.85
	0.08	0.00	0.06	0.78	0.53	0.35	2.33	2.08	0.05	1.08	0.05	1.46	8.85
	0.65	0.00	0.00	0.00	0.48	1.68	0.76	0.65	0.47	1.56	0.11	0.84	7.20
	0.12	0.01	0.55	0.18	0.04	0.24	1.65	2.37	2.46	0.08	0.46	0.90	9.06
	0.35	0.12	0.52	0.59	0.00	0.82	4.16	0.08	1.69	1.44	0.57	0.63	10.97
	0.06	0.08		0.32	0.04	0.17	1.85	3.64	0.20	0.91	0.53	0.05	7.90
	0.02	0.13		0.33	0.37	0.03	1.81	0.83	1.85	0.00	0.12	0.15	5.92
	0.07	0.03		0.50	0.29	0.62	1.28	1.58	3.25	0.69	0.00	1.69	10.22
	0.37	0.27	0.00	0.00	0.50	2.98	2.13	2.05	0.77	0.40	0.01	0.15	9.63
	0.00	0.41	0.05	0.00	0.23	1.81	1.47	3.49	1.24	0.05	0.62	0.68	10.05
	0.41	0.95	1.13	0.30	0.48	0.01	2.30	1.26	0.17	0.89	0.93	0.43	9.26
	0.18	0.45	0.08	0.73	0.45	0.00	2.39	2.67	1.16	1.64	0.00	1.20	10.95
	0.00	0.18		0.06	0.00	0.29	4.32	0.67	0.02	0.82	0.00	0.31	7.18
1971	0.00	0.08	0.03	0.32	0.00	0.16	2.54	3.03	1.59	1.38	1.04	0.57	10.74

1972	0.07	0.09	0.03	0.00	0.13	1.15	1.19	5.85	1.06	4.46	0.94	0.34	15.31
1973	0.78	0.53	1.02	0.04	0.94	0.49	1.65	2.40	0.14	0.17	0.07	0.00	8.23
1974	0.29	0.24	0.23	0.05	0.00	0.08	2.01	3.48	2.20	3.90	0.10	0.77	13.35
1975	0.45	0.41	0.83	0.04	0.12	0.21	3.58	0.87	2.51	0.00	0.94	0.25	10.21
1976	0.00 z	0.00 z	0.00 z	$0.00 \ z$	$0.00\;z$	0.00 z	0.00 z	0.00 z	0.00 z	$0.00 \ z$	0.00 z	0.00 z	0.00
1977	0.00 z	0.00 z	$0.00 \ z$	$0.00 \ z$	$0.00\ z$	$0.00 \ z$	$0.00\ z$	0.00 z	$0.00 \ z$	$0.00\;z$	0.00 z	0.00 z	0.00
1978	0.00 z	0.00 z	0.00 z	0.00 z	$0.00 \ z$	0.00 z	$0.00 \ z$	0.00 z	0.00 z	$0.00 \ z$	0.00 z	0.00 z	0.00
1979	0.00 z	0.00 z	0.00 z	$0.00 \ z$	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	$0.00 \ z$	0.00 z	0.00 z	0.00
1980	0.00 z	0.00 z	0.00 z	$0.00 \ z$	0.00~z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00
1981	0.00 z	0.00 z	0.00 z	$0.00 \ z$	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	$0.00 \ z$	0.00 z	0.00
1982	0.00 z	0.00 z	0.00 z	$0.00 \ z$	0.00 z	$0.00 \ z$	0.00 z	1.99 m	1.87	0.13	0.40	0.71	3.11
1983	1.25	0.62	1.57	0.42	0.62 a	0.88	0.73	0.86 f	3.25	2.14	0.83 b	0.51 a	12.82
1984	0.00	0.00	0.05	0.34	0.78	0.90	2.15	2.05 b	1.05	2.47 b	0.54 b	1.47	11.80
1985	0.75	0.24	0.70	1.55	0.09 a	0.89	1.57 d	2.07	2.70 d	4.12	0.72	0.10 f	15.40
19 86	0.07	0.68 a	0.36 a	0.09	1.35 i	1.39 a	2.70	1.64 c	1.43	2.23	2.53	0.33	13.45
1987	1.07	1.20 b	0.17	0.08 b	0.73 d	1.02 a	2.07 c	3.60 c	0.93 a	0.30	0.33	1.26	12.76
1988	0.10	0.15 c	0.00	0.79 c	0.28	1.65 c	2.51 d	8.17	2.65	0.12	0.10	0.00	16.52
1989	0.53 a	0.11 a	0.09 a	0.00	0.47	0.00	5.96 a	1.90	1.24 a	1.50	0.00	0.25	12.05
1990	0.45	0.33	0.78	0.85	0.93	0.29	1.97 c	2.20 e	1.95 b	0.24	1.18	0.78 a	11.95
1991	0.19	0.05		0.00 a	1.02	0.25	4.12 e	2.74 b	2.98 a	0.35	1.31	1.92 b	14.93
1992	0.95 a	0.05	0.72	0.48 a	1.62	0.99	2.12 c	2.89 b	1.26	0.78	0.14	0.89	12.89
1993	0.28	0.60 c	0.20	0.18	0.00	$2.10\ c$	1.45	4.10 d	0.89	1.84	0.52	0.00	12.16
1994	0.00	$0.00 \ c$	1.21	0.22	1.34 b	0.12	1.95	0.47 a	0.75	1.86	1.71	1.55	11.18
1995	0.68	0.52	0.40	0.23	0.00	0.59	1.28	2.12	1.16	0.00	0.38	0.22	7.58
1996	0.45 a	0.87	0.00	0.00	0.00	4.05	4.24 b	2.71 e	1.93	2.21	0.49 g	0.00	16.46
1997	0.36	1.20	0.00 d	1.61 b	0.63	0.99	3.15	1.17 c	4.74 b	0.53 b	0.23	0.86 d	15.47
1998	0.13	1.16	1.06	0.15	$0.00 \ z$	$0.00 \ z$	$0.00\ z$	0.00 z	$0.00\;z$	$0.00\;z$	$0.00\;z$	0.00 z	2.50
				P	eriod o	f Recor	d Statis	stics					
MEAN	0.35	0.34	0.43	0.36	0.44	0.70	2.08	2.28	1.46	1.11	0.47	0.54	10.26
S.D.	0.33	0.37	0.48	0.40	0.53	0.82	1.11	1.41	1.14	1.06	0.51	0.49	3.02
SKEW	0.92	1.05	1.34	1.49	2.01	2.00	1.12	1.70	0.89	1.34	1.66	0.97	0.18
MAX	1.25	1.20	2.07	1.61	2.67	4.05	5.96	8.17	4.74	4.46	2.53	1.92	17.23
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.08	0.02	0.00	0.00	0.00	2.84
NO YRS	52	52	52	52	49	50	51	50	52	52	52	52	45

CAPITAN, NEW MEXICO

Monthly Total Precipitation (inches)

File last updated on Jul 19, 1998

*** Note *** Provisional Data *** After Year/Month 199804

a = 1 day missing, b = 2 days missing, c = 3 days, ..etc..,

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS: 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing. Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

YEAR(S) JAN FEB MAR APR MAY JUN JUL AUG **SEP** OCT NOV DEC ANN 1914 0.25 0.05 0.16 0.75 a 2.10 3.97 5.19 2.93 0.81 2.91 0.26 1.57 20.951915 0.71 b 1.99 1.69 3.43 1.51 2.82 1.92 0.00 z 1.870.35 0.00 1.60 17.89 1916 1.08 0.07 0.43 0.73 0.75 0.25 5.30 6.03 2.85 1.40 0.42 0.00 z 19.31 1917 0.78 a 0.00 z 0.010.00 z 0.00 z 0.821.24 4.50 1.23 0.02 0.03 0.00 8.63 1918 2.25 0.12 0.00 z 0.010.04 0.83 5.55 2.95 0.42 3.11 0.82 1.93 18.03 1919 0.08 0.05 2.56 2.18 2.01 2.30 2.95 3.34 5.54 0.48 0.59 0.16 22.24 1920 0.61 0.66 0.12 0.65 a 1.10 3.90 a 3.83 3.36 0.54 0.35 1.31 a 0.03 16.46 1921 0.34 0.03 0.740.18 2.14 2.07 4.63 3.34 2.14 0.04 0.26 15.93 0.02 1922 0.20 0.07 0.53 0.83 0.842.15 1.38 0.73 0.95 0.02 0.52 0.08 8.30 1923 0.79 a 2.04 0.97 0.75 0.26 0.99 1.83 0.00 z 14.053.19 0.481.13 1.62 1924 0.41 0.80 0.75 0.52 0.02 0.61 4.58 2.62 0.48 0.09 0.29 0.60 11.77 1925 0.30 0.57 0.00 0.03 2.44 0.82 5.51 3.01 1.06 0.92 0.00 0.96 15.62 1926 3.97 a 2.15 $0.00 \ z \ 0.00$ 3.90 1.11 2.71 1.70 4.39 b 1.35 0.00 z 21.710.431927 0.00×0.13 0.14 0.03 0.00 1.74 3.39 a 3.62 2.59 0.00 0.00 0.00 11.64 1928 0.00 z 1.830.40 0.87 a 2.12 0.00 z 2.682.23 0.71 0.21 4.82 1.14 17.01 1929 0.32 1.54 0.480.00 2.32 a 0.18 5.97 1.51 1.09 0.00 2.65 1.06 17.12 1930 0.57 0.43 1.06 a 0.75 0.52 0.05 5.26 2.81 0.83 0.82 0.00 z 14.29 1.19 1931 1.33 0.00 z 1.942.63 0.79 0.67 1.41 3.55 0.54 3.12 22.39 4.94 b 1.47 1932 1.77 0.66 2.38 0.02 1.73 2.07 1.54 3.39 5.21 0.99 0.00 1.30 21.06 1933 0.18 1.37 0.21 1.74 0.94 2.21 1.06 2.19 2.50 0.30 0.47 0.59 13.76 1934 0.31 0.00 1.32 0.99 1.53 0.00 2.26 1.40 0.11 0.68 1.41 0.1610.17 1935 0.08 0.68 0.51 0.32 2.48 2.52 1.99 3.90 0.20 4.05 b 0.00 1.04 17.77 1936 2.35 0.76 0.28 0.95 2.08 1.70 4.35 2.42 5.65 0.39 0.74 0.67 22.34 1937 0.26 1.19 2.17 0.30 4.59 2.28 1.29 2.16 4.77 1.74 0.30 0.82 21.87 1938 1.10 1.71 a 0.72 0.66 0.10 3.78 b 4.26 0.65 6.61 b 0.72 0.420.38 21.11 1939 1.25 2.09 2.15 1.23 0.96 0.853.00 a 0.90 3.51 a 0.53 $0.00 \times 0.00 \times 16.47$ 1940 0.21 2.09 0.24 0.72 2.27 1.13 1.79 4.18 a 0.72 0.85 0.10 0.86 15.16 1941 1.91 0.71 3.06 1.59 2.62 2.12 2.10 2.72 10.71 2.50 0.20 0.50 30.74 1942 0.23 0.40 0.122.86 0.00 1.35 1.56 2.13 1.05 0.20 0.00 0.98 10.88 1943 0.00 z 0.00 $0.00 \pm 0.00 \pm$ 0.00 1944 $0.00 \pm 0.00 \pm$ $0.00 \text{ z} \ 0.00 \text{ z} \ 0.00 \text{ z} \ 0.00 \text{ z} \ 0.00$ 1945 0.00 z 0.00 z 0.00 z 0.00 z 0.00 z 0.00 z 0.00 z 0.00 z $0.00 \times 0.00 \times$ 0.00 1946 1,60 0.14 0.68 0.06 10.26 0.85 0.84 1.98 1.02 1.98 0.21 0.55 0.35

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1947	0.62 a 0.17	0.34	0.49	1.44	0.23	0.00 z	3 00	0.90	0.38	0.78	0.60	9.04
1948	0.23 1.64		0.57	1.35	3.64	1.41 b		1.13	1.00	0.76	0.68	13.81
1949	1.41 0.31	0.39	1.37	0.59	1.74	3.31	2.89	3.54	1.91	0.24	0.95	18.71
1950	0.00 0.20		0.15	0.39 0.13 a		5.45	1.31	4.14 a		0.02	0.00	14.12
1951	0.00 0.20 0.52		0.80	0.13 a 0.37	0.04	2.12	2.61	0.00	0.45	0.36	0.68	8.67
1952	0.27 0.32 0.41	0.43	1.08						0.00	0.36	0.56	12.45
1952				0.31	0.95	2.69	3.71	1.41				
			0.48	0.60	0.62	4.59	1.56	0.25	0.45	0.32	0.43	10.90
1954	0.26 0.00		0.25	2.90	0.52	2.87 a		2.68	0.78	0.10	0.09	13.39
1955	0.48 0.04		0.31	0.31	0.71	4.35	1.77	3.60	0.68	0.01	0.10	12.92
1956	0.24 1.03		0.07	0.42	2.40	2.27	1.68	0.03	0.83	0.05	0.10	9.12
1957	0.49 0.76		0.34	2.81	0.03	5.89	4.32	0.21	4.07	0.96	0.12	21.26
1958	1.25 0.54	3.07	1.21	1.40	1.34	1.96	1.10	3.72	0.53	0.41	0.63	17.16
1959	0.08 0.32		0.73	0.67	3.12	4.47	2.93	0.18	0.76	0.00	0.77	14.16
1960	0.58 0.34		0.00	1.19	2.32	2.77	0.54	0.85	1.37	0.06	1.33	11.40
1961	0.52 0.10		0.23	0.61	1.39	2.24	3.59	3.61	0.21	1.57	0.81	15.99
1962	0.59 0.22		0.60	0.04	2.69	4.34	1.31	4.08	1.08	0.71	0.31	16.77
1963	0.26 0.31		0.37	0.09	0.19	1.43	2.83	1.59	0.59	0.15	0.19	8.00
1964	0.21 0.76	0.35	0.00 z	1.27	0.02	3.60	3.31	2.31	0.02	0.14	0.13	12.12
1965	0.20 0.77	0.27	0.52	1.58	1.59	4.45	2.55	3.18	0.17	0.29	0.00 z	15.57
1966	0.63 0.10	0.24	1.01	0.19	2.11	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	$0.00 \ z$	4.28
1967	0.00 z 0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	$0.00 \ z$	0.00
1968	0.00 z 0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	$0.00 \ z$	0.00
1969	0.00 z 0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00
1970	0.00 z 0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00
1971	0.00 z 0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00
1972	0.00 z 0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z				0.00 z	0.00
1973	0.00 z 0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00
1974	0.00 z 0.00 z										0.00 z	0.00
1975	0.00 z 0.00 z										0.00 z	0.00
1976	0.11 0.30		0.65	2.02	0.14	4.37	2.87	2.62	0.93	0.00 d		14.38
1977	1.50 0.40		3.15	0.33	0.71	3.47	4.13	0.79	0.53	0.19	0.00	15.50
1978	1.21 0.65		0.00	1.11	1.07	1.04	5.10	2.16	2.14	1.79	1.26	18.06
1979	0.67 0.65		0.32	2.32	3.24		4.46	1.45	0.28		0.95 a	
1980	1.05 0.40		0.41	1.03	1.56	1.62	3.39	6.74	0.31	0.64	0.62	18.12
1981	0.36 0.07		0.30	1.84	2.71	4.00	4.04	2.74	0.96	0.45	0.00	17.72
1982	1.23 1.78		0.40	0.52	0.37	4.07	2.52	5.52	0.35	0.54	1.76	19.14
1983	0.80 a 1.14	1.50	1.49 h		0.40 a		0.83	2.84	3.49	3.10	0.45 a	
1984	0.21 0.20		0.27	1.81	3.64	2.55	6.73	0.61	3.11	0.95 a		22.44
1985	0.80 0.35	0.66	1.29	0.65	1.67	0.78	4.26	2.88	4.22	0.31	0.08	17.95
1986	0.20 1.52		0.19	1.99	4.24	1.47 d		2.11	2.41	3.24	1.82	25.49
1987	1.50 2.68	0.44	1.16	2.75	1.82	2.59	4.82	0.39	0.14	0.49	1.42	20.20
1988	0.21 1.47		0.60						0.08		1.42	19.18
1989	0.21 1.47		0.00	1.69	1.77	3.50	5.61	2.72	0.08	0.19		
1990	0.14 1.01 0.35 0.67			0.68	0.26	2.01	5.72	1.08		0.00	0.46	12.40
1990		0.85	1.00	0.49	0.14	7.11	2.88	3.91	0.23	0.58	0.35	18.56
			0.00	0.71	0.81	5.57	4.10	2.11 b		1.73	3.04 a	
1992	0.72 a 0.24	0.29	1.24	3.36 a		2.54	1.55 a	1.42			1.40 a	
1993	0.88 0.82		0.23	1.93	0.98	2.67	4.66	2.15		0.53	0.61	17.04
1994	0.57 0.10 d	1.18	0.28	4.33	0.96	1.96	2.02	1.84 d	1.48	1.21	1.00	16.93

1995	0.33	0.21 a	0.37	0.05	0.05	2.32	1.68	3.54 b	3.66	0.00	0.00	0.11 a	12.32
1996	2.05	0.37	0.00 a	0.18	0.00	3.59 d	4.18	2.09	3.61	0.76	0.24	0.05 a	17.12
1997	2.21 a	0.95	0.28	1.53	2.07	2.35	1.69 a	4.55	2.49	0.86	0.39	2.51 a	21.88
1998	0.19	0.59	1.60	0.14 a	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	0.00 z	2.52
				P	eriod o	f Recor	d Stati	stics					
MEAN	0.67	0.68	0.73	0.73	1.31	1.56	3.08	3.07	2.43	0.98	0.55	0.71	16.44
S.D.	0.60	0.63	0.81	0.75	1.04	1.14	1.53	1.40	1.93	0.98	0.64	0.73	4.56
SKEW	1.22	1.16	1.87	1.79	0.84	0.54	0.52	0.29	1.44	1.57	2.28	1.44	0.35
MAX	2.35	2.68	3.90	3.43	4.59	4.24	7.11	6.73	10.71	4.22	3.24	3.12	30.74
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.54	0.00	0.00	0.00	0.00	8.00
NO YRS	71	71	73	70	71	70	70	71	71	71	70	65	56

- cacton -	Атато	gordo	#1				County	Ot	ero		In	dex No.	0200
Latitude	32°56	<u>-</u>	Longi	tude _	105°5	8'	Elevat	ion	4400	ft	- -		
Precip	Jan	Feb	Mar	Apr	May	_June	July	/ Aug	Sept	Oct	Nov	Dec	Annual
Years of record	12	13	13	14	13	13	13	14	13	14	14	13	10
Mean	.71	.58	.48	.52	.17	.64	1.79	2.25	1.30	.71	.76	.68	11.15/ 10.59
Temp													
Years of record	8 -	8	8	8	8	8	9	9	9	9	9	9	8
Mean	44.3	45.7	53.0	59.9	67.6	77.9	79.8	78.2	71.9	60.4	50.6	42.1	60.4/ 61.0
PE -	.90	1.11	2.29	3.74	6.07	8.75	9.32	8.03	55.3	3.18	1.56	.77	51.25
Surplus													.00
Deficit	.19	.53	1.81	3.22	5 90	8 11	7 52	F 70	4 22	2 47			

Station _	Alamo	gordo	#1A			c	ounty	Oter	<u>.</u>		Ind	dex No.	0200
Latitude	32°51	1	Longi	tude _	105°5	7'	Elevat	ion	4250	<u>Et</u>			
Precip	Jan	_Feb	Mar	Apr	May	June	July	Aug	Sept	_Oct	Nov	Dec	Annual
Years of record	2	1	1	1	1	1	1	1	1	1	1	1	1
Mean	.31	.00	.20	.12	. 04	1.00	.99	4.05	.00	.70	1.10	.05	8.65/ 8.56
Temp					-								
Years of record	2	1	1	1	1	1	1	.1	1	1	1	1	1
Mean	47.4	44.3	58.0	60.0	69.2	77.2	80.2	78.9	76.5	60.0	52.1	43.0	62.0/ 62.2
PE -	1.09	1.01	2.88	3.75	6.35	8.58	9.35	8.18	6.39	3.11	1.70	.83	53.22
Surplus													.00
Deficit	.78	1.01	2.68	3.63	6.31	7.58	8.36	4.13	6.39	2.41	.60	.78	44.66

Station _	White	Oaks					County	Liı	ncoln		_	•	
Latitude	_33°45	<u> </u>	Longi	tude	105°4			tion			In	dex No	•
Precip	Jan	Feb	Mar	Apr	May	June	July	/ Aug	Sept	Oct	Nov	Dec	<u>Annual</u>
Years of record	6	6	7	7	8	8	7	7	7	7	6	6	4
Mean	1.44	.85	1.03	1.56	.59	1.59	3.02	2.22	1.84	1.36	1.22	1.23	_
Temp													
Years of record	5	5	5	5	6	6	5	5	5	5	5	5	4
Mean	33.1	38.3	45.4	51.6	61.3	69.8	70.5	71.1	64.4	53.2	44.0	34.5	52.9/ 53.]
PE	.44	.68	1.53	2.60	4.82	6.81	7.03	6.48	4.26	2 34	1.09	4.5	
Surplus	1.00	.17							-1.20			.46	38.54
Deficit			.50	1.04	4.23	5.22	4.01	4.26	2 42		.13	77	2.07



	MILLE	Oaks	<u>A</u>			c	ounty	Lin	coln		Ind	lex No.	
Latitude	33°45		Longi	tude _	105°38	<u>3 </u>	Elevat:			t	_		
Precip	Jan	Feb	Mar	Apr	May_	June	July	Aug	Sept	Oct_	Nov	Dec	Annual
Years of record	4	4	4	3	4	4	4	4	4	4	4	4	3
Mean	.82	.71	.88	.96	.82	1.96	3.35	2.78	1.12	1.30	.54	.95	16.46/ 16.19
Temp													
Years of record													
Mean													
PE													
Surplus			· · · · · · · · · · · · · · · · · · ·										
Deficit													

Station _	Coron	a				(County	Lir	coln		In	dex No.	2093
Latitude	34°15	T	Longi	.tude _	105°3	51	Elevat	tion	6645	<u>ft</u>			
Precip	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct_	Nov	Dec	Annual
Years of record	65	65	66	66	65	65	67	67	67	67	66	67	61
Mean	.70	.76	.79	.82	1.09	1.29	2.64	2.76	1.69	1.07	.55	.76	15.06/ 14.92
Temp					_								
Years of record	61	60	59	61	61	60	62	63	63	62	60	61	47
Mean	33.4	37.0	41.2	49.5	58.0	66.6	69.4	67.9	62.2	53.1	41.8	34.6	51.3/ 51.2
PE	.45	.62	1.18	2.33	4.20	6.14	6.79	5.79	3.91	2.29	.94	.46	35.10
Surplus	.25	.14										.30	.69
<u>Deficit</u>	·		.39	1.51	3.11	4.85	4.15	3.03	2.22	1.22	.39		20.87



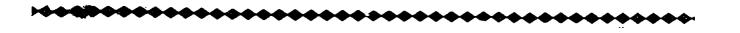
Station _	Coy	ote				c	ounty	Linc	oln		Ind	lex No.	
Latitude	33°49		Longi	tude _	105°50			ion			- -		
Precip	<u>Jan</u>	Feb	<u>Mar</u>	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	<u>Annual</u>
Years of record	4	4	5	5	5	5	6	6	6	5	5	5	3
Mean	.23	.51	.44	.47	.38	1.65	1.81	2.48	.91	.62	.42	.89	11.59/ 10.81
Temp													
Years of record													
Mean													
PE									 -				
Surplus													
Deficit									······································	,- <u>-</u> -			

Station _	Alamo	gordo	#1B				county	Otero)		In	đex No.	_0200_
Latitude	32°52	<u></u>	Longi	tude _	105°5	6 1	Elevat	tion _	4600	<u>Et</u>			
Precip	Jan	Feb	Mar	Apr	May	June	July	Aug_	Sept	Oct	Nov	Dec	<u>Annual</u>
Years of record	32	32	33	32	32	32	32	32	32	31	32	32	30
Mean	.57	.57	.56	.50	.76	.75	1.79	2.05	1.98	1,24	.69	.70-	12.34/ 12.16
Temp												_	
Years of record	28	30	31	31	29	31	30	30	30	28	29	30	22
Mean	41.6	46.6	52.7	59.9	69.0	78.0	79.2	77.3	72.2	62.2	49.4	42.5	60.8/ 60.9
PE	.77	1.16	2.27	3.74	6.33	8.84	9.15	7.78	5.61	3,41	1.47	.80	51.33
Surplus					 							-	00
Deficit	.20	.59	1.71	3.24	5.57	8.09	7,36	5.73	3.63	2.17	.78	10	39.17

•••••

Station _	Alamo	gordo	2			с	ounty	0	tero	· · · · ·	_ Ind	dex No.	0199
Latitude	32°53	·	Longi	tude _	105°5	<u>7'</u>	Elevat	ion	4350 f	<u>t</u>			
Precip	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	<u>Annual</u>
Years of record	66	66	66	65	66	66	66	67	65	66	66	66	61
Mean	.59	.51	.50	.35	.44	.76	1.77	1.82	1.46	1.00	.48	.63	10.44/ 10.31
Temp		_											
Years of record	60	60	57	56	57	59	57	59	58	57	57	57	47
Mean	42.0	46.6	52.4	60.5	69.4	78.2	79.8	78.0	72.7	62.3	49.9	43.0	61.3/ 61.2
PE	.78	1.16	2.22	3.83	6.44	8.86	9.31	8.01	5.65	3.41	1.51	.83	52.01
Surplus													.00
Deficit	.19	.65	1.72	3.48	6.00	8.10	7.54	6.19	4.19	2.41	1.03	.20	41.70

Station _	Capit	an				(County	Lir	coln		In	dex No.	1440
Latitude	<u>33°33</u>	1	Longi	tude _	105°3	4'	Eleva	tion	6350	ft			
Precip	Jan	Feb	Mar	Apr	May	June	July	y Aug	Sept	Oct	Nov	Dec	Annual
Years of record	54	54	54	53	53	54	54	54	53	54	55	54	50
Mean	.63	.70	.79	.81	1.18	1.52	3.10	2.57	2.19	.87	.44	.67	16.11/ 15.47
Temp							.,						
Years of record	15	14	13	13	15	15	16	16	16	16	17	15	13
Mean	30.3	35.0	40.2	48.0	57.0	65.4	67.7	65.7	59.6	50.3	38.1	32.7	56.7/ 49.2
PE	.41	.53	1.10	2.17	4.00	5.87	6.37	5.33	3.55	2.03	.73	.44	32.53
Surplus	.22	.17	·									.23	.62
<u>Deficit</u>			.31	1.36	2.82	4.35	3.27	2.76	1.36	1.16	.29		17.68



Station _	Carri	.ZOZO				(County	Line	oln		In	dex No.	_1515_
Latitude	<u>33°39</u>	1	Longi	tude	105°5	3'	Eleva	tion	5438	<u>ft</u>			
Precip	Jan	Feb	Mar	Apr	May	June	<u>July</u>	y Aug	Sept	Oct	Nov	_Dec	Annual
Years of record	70	70	71	71	71	72	70	71	71	70	71	71	67
Mean	.55	.59	.66	.50	. 67	.88	2.22	2.24	1.55	.94	.54	.71	11.82/ 12.05
Temp													
Years of record	65	65	66	66	66	66	64	64	64	64	65	65	58
Mean	37.2	41.7	46.9	54.9	63.8	72.9	75.7	73.7	67.6	57.1	44.8	37.1	54.2/ 56.1
PE	.55	.86	1.68	2.20	5.28	7.58	8.29	7.00	4.81	2.75	1.13	.54	42.67
Surplus	.00											.17	.17
Deficit	.00	.27	1.02	1.70	4.61	6.70	6.07	4.76	3.26	1.81	.59		30.79

Station	Alto		<u>.</u>			cc	unty	Linc	oln		_ Ind	ex No.	
Latitude	33°24'		Longit	ude _	105°41	<u>.</u> •	levat	*	7400 £	<u>L</u>			
Precip	Jan	Feb .		Apr	May	June	July	Aug	Sept	0ct	Nov	Dec	Annual
Years of record	4	4	5	- 3	. 5	5	5	4	5	. 5	6	5	1
Mean	1.31	.92	1.04	1.52	.87	1.44	5.03	3.55	2.22	1.54	1.60	96	21.07/
Temp								r					
Years of record	1	1	1	1	1	1	1	1	1	1	2	2	1
Mean	28.0	35.8	39.8	49.0	56.7	64.4	65.4	63.1	58.6	48.7	41.5	34.5	48.7/ 48.8
PE	.38	.54	1.06	2.26	3.98	5.63	5.86	4.87	3.39	1.86	.91	.46	31.20
Surplus	.93	. 38									.69	.50	2,50
Deficit			.02	.74	3.11	4.19	.83	1.32	1.17	, 32			11.70

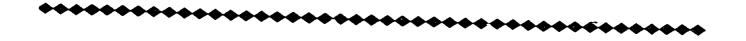
Station _	Ancho					c	ounty	Lin	coln		_ Ind	lex No.	_0394
Latitude	33°56	<u></u>	Longi	tude _	105°45	5 •	Elevat	ion	6115 ^f	<u>t</u>			
Precip	Jan	Feb_	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
Years of record	59	61	61	62	61	61	61	61	61	60	61	62	55
Mean	.73	.60	.76	.66	.87	1.11	2.40	2.17	1.50	.90	.57	1.00	13.34/
Temp													
Years of record	13	14	13	15	13	14	14	13	13	14	12	14	10
Mean	33.6	38.4	43.3	51.7	60.4	68.9	72.1	€4.5	63.9	45.6	43.1	35.2	52.8/ 51.7
PE	.45	.68	1.37	2.61	4.62	6.65	7.35	5.11	4.17	1.54	1.01	.47	36.03
Surplus	.28											.53	.81
Deficit		.08	.61	1.95	3.75	5.54	4.95	2.94	2.67	.64	.44		23.57

Station _	Mount	ain Pa	rk				county	Oter	·o		Inc	lex No.	5960
Latitude	_32°57	<u> </u>	Longi	tude _	105°5	<u>''</u> _	Elevat	ion	6780	<u>[t</u>			
Precip	Jan	Feb .	Mar	Apr	May	June	July	Aug	Sept	_Oct_	Nov	Dec	Annual
Years of record	58	58	59	60	61	57	60	59	58	58	57	58	52
Mean	1.21	.98	.99	.56	.68	1.34	3.39	3.57	2,20	1.50	.76	1.11	18.35/ 18.29
Temp													
Years of record	55	56	56	57	56	51	57	56	54	56	55	55	34
Mean	35.2	37.4	42.2	49.4	56.8	62.2	66.1	64.4	60.2	52.5	42.4	36.9	52.7/ 50.5
PE	.48	.63	1.27	2.32	3.97	5.15	5.99	5.08	3.63	2.23	, 98	,53	32.26
Surplus	.73	.35				·						.58	1,66
Deficit			.28	1.76	3.29	3.81	2.60	1.51	1.43	.73	,22		15,63



Station _	Newma	n	· 			с	ounty	Otero			In	dex No.	
Latitude	<u>32°00</u>	<u> </u>	Longi	tude _	106°1	9'	Elevat	ion	3989 f	<u>Et</u>			
Precip	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	0ct	Nov	Dec	Annual
Years of record	24	24	24	23	23	23	24	24	23	24	24	24	22
Mean	.29	.35	.41	.39	.45	.74	1.85	1.53	1.32	.77	.47	.51	9.41/ 9.08
Temp					-		-						
Years of record													
Mean													
PE													
Surplus							_		-				
Deficit													

Tatituda		<u></u>	-4				County	Ote:	ro		In	dex No	5502
Latitude	32°5	5'	Long.	itude _.	105°	28'	Eleva	tion _	6558	<u>ft</u>			
Precip	Jan	Feb	_ Mar	Apr	May	_ Jun	e Jul	y Aug	Sept	Oct	Nov	_Dec_	Annual
Years of record Mean	47	48	48	47	47	48	48	48	48	47	47	48	43
————	.66	.59	. 67	.53	1.23	1.76	3.75	4.14	3.11	1.62	.52	.85	20.59/ 19.43
Temp			•										
Years of record	34	35	35	35	35	35	35	35	35	34	33	25	
Mean	37.1	39.2	43.4	50.6	57.0	66.1	68.1	66.6	61.8	53.7	44.4	35 38.6	31 52.4/ 52.2
PE	.55	.71	1.37	2.46	3.99	5.98	6.39	5.52	3.88	2.40		 -	
Surplus	.11							3.72	3.00	2.40	1.10	.60	34.95
Deficit		.12	.70	1.93	2.76	4.22	2.64	1.38	77			.25	.36
								1.30	.77	.78	<u>.58</u>		15.88



Latitude 33°10' Longitude 105°48' Elevation 6785 ft Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec Annual	Station	Mesc	alero					County	Ote	.		T r	dev Ne	
Precip Years of record 57 57 57 61 62 63 60 59 59 61 60 48 Mean .91 .98 .95 .59 .84 1.51 3.93 3.91 2.26 1.36 .88 1.23 19.24/19.35 Temp Years of record 58 57 56 57 60 60 62 60 57 60 59 59 45 Mean 33.7 36.7 41.6 49.0 55.6 64.2 67.6 64.1 60.6 52.0 40.9 34.7 50.2/50.1 PE .45 .60 1.23 2.25 3.78 5.61 6.34 5.00 3.66 2.21 .88 .47 32.48 Surplus .46 .38 .28 1.66 2.04 1.10 1.10 .28 1.60 .00 .76 1.60	Latitude	_33°1	0'	Long	itude	105°4					ft	111	idex NO	· <u>-5657</u>
record 57 57 57 57 61 62 63 60 59 59 61 60 48 Mean	Precip	Jan	Feb	Mar	Apr	May	Jun	e Jul	y Aug	Sept	_Oct	Nov	Dec	Annual
Temp Years of record 58 57 56 57 60 60 62 60 57 60 59 59 45 Mean 33.7 36.7 41.6 49.0 55.6 64.2 67.6 64.1 60.6 52.0 40.9 34.7 50.2/50.1 PE .45 .60 1.23 2.25 3.78 5.61 6.34 5.00 3.66 2.21 .88 .47 32.48 Surplus .46 .38 Deficit .28 1.66 3.04 4.10	record			-	57	61	62	63	60	59	59	61	60	48
Temp Years of record 58 57 56 57 60 60 62 60 57 60 59 59 45 Mean 33.7 36.7 41.6 49.0 55.6 64.2 67.6 64.1 60.6 52.0 40.9 34.7 50.2/50.1 PE .45 .60 1.23 2.25 3.78 5.61 6.34 5.00 3.66 2.21 .88 .47 32.48 Surplus .46 .38 Deficit .28 1.66 2.04 4.10 2.04 4.10 2.04 4.10 2.04 4.10 2.04 4.10		.91	. 98	.95	.59	.84	1.51	3.93	3.91	2.26	1.36	.88	1.23	19.24/ 19.35
Mean 33.7 36.7 41.6 49.0 55.6 64.2 67.6 64.1 60.6 52.0 40.9 34.7 50.2/50.1 PE .45 .60 1.23 2.25 3.78 5.61 6.34 5.00 3.66 2.21 .88 .47 32.48 Surplus .46 .38 Deficit .28 1.66 2.04 4.10 .30 .76 1.60	Temp									·····				
Mean 33.7 36.7 41.6 49.0 55.6 64.2 67.6 64.1 60.6 52.0 40.9 34.7 50.2/ PE .45 .60 1.23 2.25 3.78 5.61 6.34 5.00 3.66 2.21 .88 .47 32.48 Surplus .46 .38 Deficit .28 1.66 2.04 4.10		58	57	56	57	60	60	62	60	57	60	50	~-	
PE .45 .60 1.23 2.25 3.78 5.61 6.34 5.00 3.66 2.21 .88 .47 32.48 Surplus .46 .38 Deficit .28 1.66 3.04 4.30	Mean	33.7	36.7	41.6	49.0	55.6	64.2	67.6						
Surplus .46 .38 Deficit .28 1.66 2.04 4.10	PE	.45	60	1 22	2 0 "					60.6	52.0	40.9	34.7	
Deficit .28 1.66 2.04 4.29 .00 .76 1.60	Surplus			1.23	2.25	3.78	5.61	6.34	5.00	3.66	2.21	.88	47	32.48
	Deficit			.28	1.66	2.94	4.10	2.41	1.09	1.40	95	.00		

_		-A8 15	<u>еп</u>	- 			Ountry	ULE	ı. U			JEX NO.	1007
Latitude	32°	02'	Longi	tude _	105°0	6'	Elevat	ion _	3800	<u>Et</u>			
Precip	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
Years of record	8	8	8	8	8	7	7	7	7	7	8	8	7
Mean	.48	.29	.40	.08	.45	.64	1.52	.79	.95	1.13	.24	.34	7.38/ 7.31
Temp													
Years of record	5	4	4	3	4	4	4	4	2	3	5	2	0
Mean	38.0	48.4	52.3	60.3	71.0	80.9	81.2	80.2	75.0	63.3	48.6	40.3	61.6
PE	.59	1.25	2.22	3.81	6.71	9.57	9.60	8.44	6.07	3.57	1.43	.69	53.95
Surplus													.00
Deficit	.11	.96	1.82	3.73	6.26	8.93	8.08	7.65	5.12	2.44	1.19	- 35	46.64



Station .	Cloud	Count	ry Loc	ige			County	Oter	0		In	dex No.	· <u>1933</u>
Latitude	32°58	1	Longi	itude _	105°4	51	Eleva	tion _	8827	ft			
Precip	Jan	Feb	Mar	Apr	May	June	<u>July</u>	y Aug	Sept	00č	Nov	Dec	Annual
Years of record	5	6	6	6	6	6	6	6	6	6	6	6	5
Mean -	2.44	1.15	1.65	.41	.49	1.94	4.96	3.51	3.06	2.80	.77	1.24	25.83/ 24.42
Temp													
Years of record	5	6	6	5	5	6	6	4	5	6	6	6	4
Mean	31.0	32.8	38.8	43.8	53.0	60.9	61.0	59.1	55.4	47.1	38.1	32.8	46.2/ 46.2
PE	.42	.50	1.00	1.67	3.32	4.91	4.93	4.14	2.93	1.70	.73	. 44	26.69
Surplus	2.02	.65	.65			<u> </u>	.03			1.10	04	.80	5.42
Deficit				1.26	2.83	2.97		.63			 	<u></u>	7 60

Station _				tude	106°01		-	Otero			Ind	lex No.	
									Sept				
Precip					-144	<u>oune</u>	July	Aug	Sept	Oct_	Nov	_Dec	<u>Annual</u>
Years of record	5	4	3	4	3	3	3	3	3	3	4	4	2
Mean	.19	.89	.71	.38	.03	.40	1.36	2.90	.55	.29	.21	.14	4.72/ 8.05
Temp													
Years of record													
Mean													
PE											 -		
Surplus									<u>-</u>				
Deficit									-				

·····

Station White Sands National Monument County Otero _____ Index No. <u>9686</u> Latitude 32°47' Longitude 106°11' Elevation 3995 ft Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec Precip Annual Years of record 36 36 36 36 36 36 35 36 36 36 35 36 34 .46 .33 .31 .27 .28 .61 1.57 1.38 Mean 1.21 8.20/ .86 .31 .53 8.12 Temp Years of record 37 37 35 37 37 35 37 36 35 35 35 36 28 39.4 43.8 50.7 59.2 68.2 77.2 80.4 78.3 Mean 72.0 60.3 46.9 59.6/ 39.7 59.7 PE .66 .98 3.65 6.19 8.58 9.46 8.04 2.04 <u>5.54</u> 3.17 1.29 50.26 Surplus 1.73 3.38 5.91 7.97 7.89 6.66 Deficit .20 .65 4.33 2.31 .98

							omică	Ute	ro		in	dex No.	
Latitude	_33°19	•	Longi	tude _	106°0	5'_	Elevat	ion	4559	<u>ft</u>			
Precip	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	<u>Annual</u>
Years of record	23	23	23	23	23	23	24	24	24	24	24	24	23
Mean	.40	.56	.59	.55	.60	.57	1.61	1.68	1.09	.84	.48	.61	9.74/ 9.58
Temp							-					_	····
Years of record													
Mean													
PE						 -							
Surplus													
Deficit	-												

Station _	Tular	osa				(county	Oter	:o		Inc	dex No.	9165
Latitude	33°04	<u> </u>	Longi	tude _	106°0	2'	Elevat	tion	4443	ft			
Precip	Jan	Feb	Mar	Apr	May	June	July	<u>Aug</u>	Sept	Oct.	Nov	Dec	Annual
Years of record	64	62	61	62	64	65	66	64	63	64	65	65	59
Mean	.47	.49	.51	.39	.46	.69	1.58	1.61	1.50	.86	.40	.57	9.67/ 9.53
Temp							·			· · · · · · · · · · · · · · · · · · ·			
Years of record	60	59	56	61	56	57	60	54	56	57	58	58	39
Mean	42.9	46.6	52.3	58.9	68.2	77.2	79.3	79.2	72.4	62.0	50.0	43.2	61.2/ 61.0
PE	.83	1.16	2.22	3.58	6.20	8.59	9.17	8.28	5.63	3.40	1.51	.83	51.40
Surplus													.00
Deficit	.36	.67	1.71	3.19	5.74	7.90	7.59	6.67	4.13	2.54	1.11	.26	41.87

		<u></u>					County	Oter	0		Ir	ndex No	•
Latitude	_32°0]		Long:	itude	105°C	91	Eleva	tion	3625	ft			
Precip	Jan	Feb	Mar	Apr	May	Jun	e Jul	y Aug	Sept	_Oct	Nov	Dec	Annual
Years of record	3	4	4	4	4	4	4	4	4	3	3	3	1
Mean	. 38	.14	. 32	.33	.05	1.32	1.63	2.47	.55	1.00	1.01	.17	9.94/ 9.37
Temp													
Years of record	1	2	1	2	2	1	2	2	2	1	1	2	0
Mean	41.0	47.4	49.6	56.4	63.9	78.2	82.6	78.5	71.2		46.6	_	59.8
PE	.74	1.20	1.93	3.22	5,24	8.82	10.03	8.03					
Surplus	· <u></u>							<u> </u>	5.41		1.27	80_	49.82
Deficit	.36	1.06	1.61	2.89	5.19	7.50	8.40	5.56	4.86	2.13	.26	.63	40.45



Station	Orog	rande					County	Ote:	ro		Tm	don Ne	6425
Latitude	<u>32°2;</u>	3'	Long	itude _	106°(tion _		<u>ft</u>	***	dex No.	6435
Precip	Jan	Feb	Mar	Apr	May	Jun	e Jul	y Aug	Sept	0ct	Nov	_Dec_	Annual
Years of record	68	68	67	67	66	68	69	66	67	67	67	<i>c</i> "	•
Mean	.42	.38	.39	.30	.40	.89		1.79				.50	64 9.47/ 9.36
Temp													
Years of record	55	54	55	54	52	55	55	52	51	49	50	55	41
Mean	42.3	47.1	53.2	61.4	71.7	79.9	81.6	79.6	73.7	63.8	51.5	43.1	64.0/ 62.4
PE Surplus	.80	1.20	2.33	3.99	6.94	9.29	9.75	7.84	5.84	3,64	1.65	.83	54.10
Deficit	. 38	. 82	1.94	3.69	6.54	8.40	8.05	6.05	4.52	2.75	1.27	.33	.00

CLOUDCROFT, NEW MEXICO

Period of Record General Climate Summary - Temperature

	<u> </u>				Statio	on:(29	91931) CL	OUDCR	OFT			<u> </u>	
					Fro	m Yea	ar=1987 To	Year=1	998				
	Monthly Averages				Daily Extremes				Monthly Extremes				
	Max.	Min.	Mean	High	Date	Low	Date	Highest Mean	Year	Lowest Mean	Year	>= 90 F	<= 32 F
	F	F	F	F	dd/yyyy	F	dd/yyyy	F	-	F	-	# Days	# Days
January	39.9	17.1	28.5	59	10/1990	-9	16/1992	31.2	96	23.9	92	0.0	4.7
February	43.1	21.0	32.1	59	25/1989	-3	02/1994	37.0	96	27.9	98	0.0	2.4
March	48.9	23.8	36.3	66	11/1989	4	02/1997	39.6	89	33.1	91	0.0	0.5
April	56.5	29.5	43.0	75	21/1989	11	01/1988	48.0	89	39.3	98	0.0	0.2
May	65.0	37.1	51.0	80	13/1996	20	03/1988	55.9	96	48.0	92	0.0	0.0
June	73.1	43.1	58.1	88	29/1998	28	01/1988	62.1	90	55.5	92	0.0	0.0
July	70.6	46.7	58.7	84	02/1989	38	22/1988	60.9	94	55.9	91	0.0	0.0
August	68.9	45.9	57.4	78	10/1992	36	09/1990	60.0	94	55.0	90	0.0	0.0
September	65.7	40.3	53.0	77	05/1995	26	27/1989	56.9	97	51.0	87	0.0	0.0
October	59.5	31.9	45.7	71	02/1993	5	22/1996	47.6	95	43.4	93	0.0	0.1
November	48.2	24.1	36.2	67	06/1994	-4	25/1992	39.8	95	30.4	92	0.0	1.3
December	41.3	18.5	29.9	61	03/1987	-8	26/1997	33.6	94	24.4	97	0.0	4.4
Annual	56.7	31.6	44.2	88	19980629	-9	19920116	45.8	96	42.7	92	0.0	13.5
Winter	41.5	18.9	30.2	61	19871203	-9	19920116	33.2	96	27.4	92	0.0	11.5
Spring	56.8	30.1	43.5	80	19960513	4	19970302	46.9	89	42.1	88	0.0	0.6
Summer	70.9	45.2	58.1	88	19980629	28	19880601	60.4	94	56.1	91	0.0	0.0
Fall	57.8	32.1	44.9	77	19950905	-4	19921125	47.1	95	43.5	93	0.0	1.4

Table updated on Oct 24, 1998

For monthly and annual means, thresholds, and sums: Months with 10 or more missing days are not considered Years with 1 or more missing months are not considered

CLOUDCROFT

_, NEW MEXICO

Period of Record General Climate Summary - Temperature

				St	ation:(291	927)	CLOUDC	ROFT_				<u> </u>	
					Fro	m Yea	ar=1948 To	Year=1	987				
	Monthly Averages				Daily Extremes				Monthly Extremes				
	Max. Min. Mean		High	Date	Low	Date	Highest Mean	Year	Lowest Mean	Year	>= 90 F	<= 32 F	
	F	F	F	F	dd/yyyy	F	dd/yyyy	F	-	F	_	# Days	# Days
January	41.9	19.3	30.6	63	05/1956	-21	11/1962	37.6	86	24.5	49	0.0	3.4
February	43.2	20.1	31.6	63	25/1986	-10	07/1964	39.5	57	19.7	66	0.0	3.1
March	48.1	23.8	35.9	70	28/1953	-6	04/1953	45.6	72	29.2	69	0.0	1.3
April	57.1	30.8	43.9	74	22/1965	4	03/1956	48.7	72	37.7	83	0.0	0.2
May	65.3	37.5	51.4	84	31/1953	14	02/1967	56.1	84	47.0	65	0.0	0.0
June	73.4	45.1	59.3	89	26/1957	26	01/1964	66.8	80	53.8	64	0.0	0.0
July	73.2	47.6	60.4	89	04/1957	33	20/1964	64.8	51	56.7	64	0.0	0.0
August	71.3	46.5	58.9	83	08/1969	34	26/1966	63.1	48	55.7	67	0.0	0.0
September	67.6	42.3	54.9	83	05/1948	22	30/1965	60.2	51	49.3	64	0.0	0.0
October	59.1	33.8	46.5	76	05/1956	11	28/1970	54.6	50	40.2	70	0.0	0.1
November	49.5	24.6	37.1	70	09/1980	-7	23/1957	44.0	49	30.4	69	0.0	0.9
December	43.7	20.7	32.2	66	27/1980	-13	24/1953	40.5	80	25.6	67	0.0	3.0
Annual	57.8	32.7	45.2	89	19570626	-21	19620111	48.4	50	41.6	66	0.0	12.0
Winter	42.9	20.0	31.5	66	19801227	-21	19620111	36.6	81	25.2	66	0.0	9.5
Spring	56.8	30.7	43.7	84	19530531	-6	19530304	49.3	72	40.1	65	0.0	1.5
Summer	72.6	46.4	59.5	89	19570626	26	19640601	63.8	80	55.6	64	0.0	0.0
Fall	58.7	33.6	46.2	83	19480905	-7	19571123	51.1	50	42.9	57	0.0	1.0

Table updated on Oct 24, 1998

For monthly and annual means, thresholds, and sums: Months with 10 or more missing days are not considered Years with 1 or more missing months are not considered

MOUNTAIN PARK, NEW MEXICO

Period of Record General Climate Summary - Temperature

					Station	:(295	960) MOU	NTAIN	PAR	K			
					Fron	n Yea	ur=1948 To	Year=1	998				
	Monthly Averages				Daily Ex	es	Mo	Max.	Temp.				
	Max. Min. M		Mean	High	Date	Low	Date	Highest Mean	Year	Lowest Mean	Year	>= 90 F	<= 32 F
	F	F	F	F	dd/yyyy	F	dd/yyyy	F		F	_	# Days	# Days
January	48.9	25.2	37.0	70	07/1969	-9	11/1962	42.4	65	28.6	49	0.0	1.2
February	52.0	27.1	39.6	78	05/1963	-4	01/1951	46.6	57	32.3	66	0.0	0.6
March	57.9	30.4	44.1	80	12/1989	6	04/1965	51.1	72	37.5	52	0.0	0.1
April	66.0	37.3	51.6	86	22/1965	13	08/1973	57.0	89	44.7	83	0.0	0.0
May	73.6	44.4	59.0	93	09/1996	23	05/1950	66.6	96	54.4	53	0.0	0.0
June	82.0	53.8	67.9	98	18/1970	35	03/1973	73.8	60	63.6	79	2.4	0.0
July	81.0	56.2	68.6	95	01/1968	42	01/1977	72.9	63	64.6	55	1.9	0.0
August	78.5	55.1	66.8	99	16/1969	34	12/1968	71.8	69	63.4	74	0.3	0.0
September	74.8	50.2	62.5	92	03/1970	28	22/1975	66.8	97	58.6	74	0.0	0.0
October	67.5	41.3	54.4	83	01/1997	17	22/1996	59.8	50	48.5	76	0.0	0.0
November	57.1	31.1	44.1	76	09/1980	0	28/1976	49.5	65	37.8	72	0.0	0.2
December	50.6	26.2	38.4	70	24/1964	-5	09/1978	44.2	80	33.4	74	0.0	0.6
Annual	65.8	39.9	52.8	99	19690816	-9	19620111	55.0	96	50.7	49	4.7	2.6
Winter	50.5	26.2	38.3	78	19630205	-9	19620111	42.0	57	34.7	49	0.0	2.3
Spring	65.9	37.4	51.6	93	19960509	6	19650304	55.9	89	47.4	73	0.0	0.1
Summer	80.5	55.0	67.8	99	19690816	34	19680812	70.8	69	64.7	55	4.6	0.0
Fall	66.5	40.8	53.7	92	19700903	0	19761128	56.5	63	49.7	76	0.0	0.2

Table updated on Oct 24, 1998

For monthly and annual means, thresholds, and sums: Months with 10 or more missing days are not considered Years with 1 or more missing months are not considered

MESCALERO, NEW MEXICO

Period of Record General Climate Summary - Temperature

					Stati	on:(2	95657) MI	ESCALE	RO					
	From Year=1948 To Year=1978													
	Monthly Averages				Daily Extremes				Monthly Extremes					
	Max. Min. Mean		High Date L		Low	Low Date	Highest Mean	Year	Lowest Mean	Year	>= 90 F	<= 32 F		
	F	F	F	F	dd/yyyy	F	dd/yyyy	F	-	F	-	# Days	# Days	
January	48.0	20.2	34.1	70	10/1953	-19	11/1962	40.1	56	27.9	64	0.0	1.7	
February	50.8	22.4	36.6	71	12/1957	-8	07/1964	46.4	57	27.4	64	0.0	0.7	
March	56.5	27.1	41.8	75	28/1953	-6	04/1965	47.5	72	36.5	69	0.0	0.1	
April	65.5	33.1	49.3	84	22/1965	12	04/1977	54.1	54	44.1	73	0.0	0.0	
May	73.4	39.5	56.5	88	27/1958	18	01/1967	60.3	56	53.1	53	0.0	0.0	
June	81.7	47.5	64.6	95	29/1948	31	01/1964	67.6	56	61.7	65	1.9	0.0	
July	81.2	52.5	66.8	95	15/1951	39	05/1948	69.2	69	64.0	76	1.2	0.0	
August	79.5	51.2	65.3	93	21/1950	40	18/1972	68.2	52	62.2	71	0.2	0.0	
September	75.3	46.1	60.7	87	04/1952	29	20/1971	63.7	54	57.9	68	0.0	0.0	
October	66.9	36.7	51.8	82	10/1965	15	28/1970	54.6	54	46.8	76	0.0	0.0	
November	57.0	27.1	42.0	80	01/1950	-6	29/1976	46.7	50	35.8	72	0.0	0.1	
December	49.4	21.8	35.6	69	24/1964	-2	24/1953	40.4	55	31.8	53	0.0	0.7	
Annual	65.4	35.4	50.4	95	19480629	-19	19620111	53.1	54	48.1	64	3.4	3.3	
Winter	49.4	21.5	35.5	71	19570212	-19	19620111	40.7	57	29.2	64	0.0	3.0	
Spring	65.1	33.2	49.2	88	19580527	-6	19650304	52.4	74	46.1	73	0.0	0.1	
Summer	80.8	50.4	65.6	95	19480629	31	19640601	67.3	58	64.1	76	3.4	0.0	
Fall	66.4	36.6	51.5	87	19520904	-6	19761129	54.4	54	47.7	76	0.0	0.1	

Table updated on Oct 24, 1998

For monthly and annual means, thresholds, and sums: Months with 10 or more missing days are not considered Years with 1 or more missing months are not considered

CORONA 11 SSW, NEW MEXICO

Period of Record General Climate Summary - Temperature

					Station	:(292	096) COR	ONA 11	SSW	7			
					Fron	n Yea	r=1977 To	Year=19	992				
	Monthly Averages			Daily Extremes				Mon	Max. Temp.				
	Max. Min.		Mean	High	Date	Low	Date	Highest Mean	Year	Lowest Mean	Year	>= 90 F	<= 32 F
	F	F	F	F	dd/yyyy	F	dd/yyyy	F	-	F	-	# Days	# Days
January	42.1	18.4	30.3	63	19/1986	-15	01/1979	36.2	86	24.9	79	0.0	5.1
February	47.8	20.8	34.4	72	25/1986	-10	01/1985	38.2	91	29.2	85	0.0	2.5
March	54.8	26.0	40.4	79	12/1989	-1	05/1989	45.7	89	37.5	87	0.0	0.3
April	63.6	32.2	47.9	84	21/1989	2	07/1983	52.5	89	40.5	83	0.0	0.3
May	69.8	40.4	55.1	89	16/1988	15	02/1978	60.0	89	51.5	83	0.0	0.1
June	80.5	49.8	65.1	97	22/1981	35	04/1982	70.6	90	62.2	79	3.6	0.0
July	81.8	54.1	68.0	96	05/1980	41	24/1984	72.0	80	65.4	91	2.2	0.0
August	79.2	53.5	66.4	94	02/1980	40	28/1992	67.6	85	65.4	79	0.4	0.0
September	73.6	47.7	60.6	88	05/1979	31	22/1983	63.8	83	58.0	78	0.0	0.0
October	64.8	36.3	50.5	82	07/1979	-2	31/1991	53.6	87	44.7	84	0.0	0.1
November	51.9	26.7	39.3	72	08/1980	5	16/1980	44.5	89	35.1	79	0.0	1.5
December	44.7	19.3	32.0	65	09/1981	-12	28/1983	38.1	80	26.7	82	0.0	3.9
Annual	62.9	35.4	49.2	97	19810622	-15	19790101	50.5	81	48.0	83	6.2	13.7
Winter	44.9	19.5	32.2	72	19860225	-15	19790101	36.2	86	29.1	79	0.0	11.5
Spring	62.7	32.9	47.8	89	19880516	-1	19890305	52.7	89	43.5	83	0.0	0.6
Summer	80.5	52.5	66.5	97	19810622	35	19820604	69.8	80	65.2	92	6.2	0.0
Fall	63.4	36.9	50.2	88	19790905	-2	19911031	52.4	90	47.6	84	0.0	1.6

Table updated on Oct 24, 1998

For monthly and annual means, thresholds, and sums: Months with 10 or more missing days are not considered Years with 1 or more missing months are not considered

CORONA, NEW MEXICO

Period of Record General Climate Summary - Temperature

					St	ation:	(292093)	CORON	A	 			
					Fron	n Yea	ır=1931 To	Year=19	977				
	Monthly Averages				Daily Extremes				Monthly Extremes				
	Max. Min. Mear		Mean	High	Date	Low	Date	Highest Mean	Year	Lowest Mean	Year	>= 90 F	<= 32 F
	F	F	F	F	dd/yyyy	F	dd/yyyy	F	-	F	-	# Days	# Days
January	45.9	20.8	33.3	75	27/1942	-32	06/1971	40.8	53	23.5	63	0.0	2.7
February	49.8	23.2	36.5	77	18/1943	-16	07/1964	45.1	50	25.5	64	0.0	1.2
March	56.2	27.6	42.0	78	29/1943	-12	11/1948	51.1	67	34.1	69	0.0	0.5
April	64.6	34.5	49.5	88	30/1943	-1	08/1973	56.5	36	42.5	73	0.0	0.0
May	73.5	42.5	57.9	95	14/1943	15	01/1962	64.4	36	49.6	35	0.2	0.0
June	82.5	50.3	66.4	97	29/1960	31	05/1963	70.5	34	59.2	35	3.6	0.0
July	84.2	54.6	69.4	110	08/1944	38	19/1945	73.9	34	63.7	35	5.0	0.0
August	82.3	53.5	67.9	100	17/1941	35	04/1961	75.6	37	64.1	71	3.2	0.0
September	76.6	47.9	62.3	96	12/1949	21	22/1975	68.5	31	58.4	62	0.4	0.0
October	67.5	38.2	52.9	85	01/1941	13	19/1976	62.5	50	44.5	76	0.0	0.0
November	55.3	27.4	41.3	80	02/1945	-20	28/1976	51.6	45	34.4	57	0.0	0.6
December	47.7	21.6	34.5	72	04/1941	-10	13/1947	41.0	33	28.4	67	0.0	1.3
Annual	65.5	36.8	51.2	110	19440708	-32	19710106	54.3	34	48.8	64	12.3	6.5
Winter	47.8	21.9	34.8	77	19430218	-32	19710106	40.0	50	27.5	64	0.0	5.2
Spring	64.7	34.9	49.8	95	19430514	-12	19480311	56.9	36	45.8	73	0.2	0.5
Summer	83.0	52.8	67.9	110	19440708	31	19630605	72.4	34	63.8	35	11.8	0.0
Fall	66.5	37.8	52.2	96	19490912	-20	19761128	56.7	45	45.9	76	0.4	0.7

Table updated on Oct 24, 1998

For monthly and annual means, thresholds, and sums: Months with 10 or more missing days are not considered Years with 1 or more missing months are not considered

ANCHO, NEW MEXICO

Period of Record General Climate Summary - Temperature

					S	tatior	1:(290394)	ANCHO)				
					Fron	n Yea	ar=1948 To	Year=1	971				
	Monthly Averages				Daily Extremes				Monthly Extremes				
	Max.	Min.	Mean	High	Date	Low	Date	Highest Mean	Year	Lowest Mean	Year	>= 90 F	<= 32 F
	F	F	F	F	dd/yyyy	F	dd/yyyy	F	-	F	-	# Days	# Days
January	47.5	19.8	33.6	70	23/1970	-17	11/1962	39.8	69	29.3	66	0.0	2.5
February	52.9	23.9	38.5	71	11/1962	-3	13/1963	45.7	57	32.9	66	0.0	0.8
March	59.5	27.1	43.3	80	27/1971	-1	04/1965	50.7	67	38.6	69	0.0	0.2
April	68.3	35.0	51.7	88	22/1965	17	03/1961	55.1	67	46.7	58	0.0	0.0
May	77.9	43.0	60.6	94	27/1958	22	01/1963	63.3	61	57.4	57	0.2	0.0
June	86.0	51.7	68.9	100	30/1960	32	02/1962	71.5	58	66.3	59	8.9	0.0
July	87.2	56.8	72.0	99	04/1957	35	07/1958	75.0	66	68.9	60	11.9	0.0
August	85.1	54.4	69.8	98	02/1960	40	22/1958	73.3	69	67.3	71	5.9	0.0
September	79.8	48.1	63.9	93	12/1956	32	30/1958	66.9	56	60.7	58	1.6	0.0
October	69.9	37.4	53.7	85	15/1956	15	28/1970	56.9	64	48.8	58	0.0	0.0
November	58.5	27.6	43.1	76	14/1962	4	20/1956	47.6	65	38.1	61	0.0	0.1
December	48.7	21.7	35.1	70	09/1958	-4	30/1958	39.3	70	29.9	60	0.0	1.1
Annual	68.4	37.2	52.9	100	19600630	-17	19620111	53.8	69	51.4	60	28.6	4.6
Winter	49.7	21.8	35.8	71	19620211	-17	19620111	39.3	57	32.5	61	0.0	4.3
Spring	68.5	35.0	51.9	94	19580527	-1	19650304	55.4	67	50.4	57	0.2	0.2
Summer	86.1	54.3	70.2	100	19600630	32	19620602	72.1	69	69.0	68	26.8	0.0
Fall	69.4	37.7	53.6	93	19560912	4	19561120	55.4	65	51.2	61	1.6	0.1

Table updated on Oct 24, 1998

For monthly and annual means, thresholds, and sums: Months with 10 or more missing days are not considered Years with 1 or more missing months are not considered

CARRIZOZO, NEW MEXICO

Period of Record General Climate Summary - Temperature

					Stat	ion:(2	291515) CA	RRIZO	ZO		· · · · · · · · · · · · · · · · · · ·		
					Fron	n Yea	r=1948 To	Year=1	998				
		Month verag	-		Daily Ex	drem	es	Mon	nthly l	Extreme	S	Max.	Temp.
	Max.	Min.	Mean	High	Date	Low	Date	Highest Mean	Year	Lowest Mean	Year	>= 90 F	<= 32 F
	F	F	F	F	dd/yyyy	F	dd/yyyy	F	-	F	-	# Days	# Days
January	51.4	22.1	36.7	73	11/1953	-18	05/1971	42.4	53	29.3	49	0.0	1.2
February	56.1	25.5	40.8	79	25/1989	-5	01/1951	48.5	57	30.7	64	0.0	0.5
March	62.9	30.9	46.9	87	11/1989	-7	04/1965	54.2	74	39.9	69	0.0	0.1
April	72.1	38.2	55.1	97	21/1989	15	03/1975	62.2	89	49.0	83	0.1	0.0
May	81.0	46.9	63.9	101	23/1989	24	02/1967	70.5	96	59.3	53	3.4	0.0
June	90.4	55.7	73.0	108	28/1994	36	10/1963	79.2	90	69.1	79	18.0	0.0
July	91.0	60.5	75.7	105	01/1989	46	04/1987	79.4	80	72.2	91	20.1	0.0
August	88.3	58.6	73.4	103	01/1972	43	29/1987	76.8	95	70.9	79	14.1	0.0
September	82.8	52.0	67.4	98	05/1948	32	30/1965	71.2	97	63.8	74	4.4	0.0
October	73.3	40.5	56.9	91	13/1989	12	31/1991	65.2	87	51.4	76	0.0	0.0
November	60.5	28.8	44.7	80	09/1973	-7	28/1976	49.1	65	38.5	48	0.0	0.1
December	52.3	22.4	37.4	74	04/1987	-15	09/1978	42.0	77	31.3	53	0.0	0.7
Annual	71.9	40.2	56.0	108	19940628	-18	19710105	58.2	89	54.0	79	60.2	2.7
Winter	53.3	23.3	38.3	79	19890225	-18	19710105	42.6	96	32.1	64	0.0	2.5
Spring	72.0	38.7	55.3	101	19890523	-7	19650304	61.5	89	51.7	87	3.5	0.1
Summer	89.9	58.3	74.1	108	19940628	36	19630610	77.6	94	71.2	87	52.2	0.0
Fall	72.2	40.4	56.3	98	19480905	-7	19761128	59.7	87	52.3	76	4.5	0.1

Table updated on Oct 24, 1998

For monthly and annual means, thresholds, and sums: Months with 10 or more missing days are not considered Years with 1 or more missing months are not considered

TULAROSA, NEW MEXICO

Period of Record General Climate Summary - Temperature

					Sta	tion:(299165) T	ULARO	SA				<u> </u>
					Fron	n Yea	ar=1948 To	Year=1	998				
	ļ	Month verag	_		Daily Ex	xtrem	es	Mo	nthly]	Extreme	3	Max.	Temp.
	Max.	Min.	Mean	High	Date	Low	Date	Highest Mean	Year	Lowest Mean	Year	>= 90 F	<= 32 F
	F	F	F	F	dd/yyyy	F	dd/yyyy	F	-	F	-	# Days	# Days
January	56.4	28.5	42.5	87	25/1970	1	05/1971	49.0	56	37.4	49	0.0	0.3
February	61.1	32.1	46.6	81	26/1986	5	01/1951	55.6	57	39.8	64	0.0	0.1
March	68.0	36.9	52.4	90	27/1971	14	04/1965	58.0	74	46.2	65	0.0	0.0
April	76.4	43.6	60.0	95	21/1989	21	01/1988	65.0	48	53.1	83	0.6	0.0
May	84.5	51.9	68.2	103	27/1951	27	02/1988	73.7	96	64.3	57	7.1	0.0
June	93.5	60.3	76.9	110	22/1981	40	16/1965	81.1	94	72.8	79	22.4	0.0
July	93.8	63.9	78.8	108	09/1951	49	07/1987	82.8	51	75.2	76	24.4	0.0
August	91.7	62.5	77.1	104	01/1966	50	20/1965	81.2	62	73.0	90	22.3	0.0
September	86.3	56.3	71.3	100	05/1948	39	30/1988	75.2	55	67.6	87	9.7	0.0
October	76.5	46.3	61.4	93	01/1956	21	31/1991	68.6	50	56.6	70	0.5	0.0
November	64.6	34.8	50.0	84	04/1988	0	29/1976	55.6	66	44.7	72	0.0	0.1
December	56.6	29.0	42.7	77	26/1955	4	16/1987	49.7	55	37.6	60	0.0	0.2
Annual	75.8	45.5	60.7	110	19810622	0	19761129	63.3	56	58.7	88	87.1	0.7
Winter	58.0	29.9	43.9	87	19700125	1	19710105	48.0	56	40.8	64	0.0	0.6
Spring	76.3	44.1	60.2	103	19510527	14	19650304	63.8	89	56.7	83	7.7	0.0
Summer	93.0	62.2	77.6	110	19810622	40	19650616	80.9	94	74.4	88	69.1	0.0
Fall	75.8	45.8	60.9	100	19480905	0	19761129	64.7	50	57.7	57	10.2	0.1

Table updated on Oct 24, 1998

For monthly and annual means, thresholds, and sums: Months with 10 or more missing days are not considered Years with 1 or more missing months are not considered

ALAMOGORDO, NEW MEXICO

Period of Record General Climate Summary - Temperature

			*******		Statio	n:(29	0199) ALA	MOGO	RDO				
					Fron	n Yea	r=1948 To	Year=1	998				
	ŀ	Month verag	-		Daily Ex	xtrem	es	Mon	nthly l	Extremes	3	Max.	Temp.
	Max.	Min.	Mean	High	Date	Low	Date	Highest Mean	Year	Lowest Mean	Year	>= 90 F	<= 32 F
	F	F	F	F	dd/yyyy	F	dd/yyyy	F	-	F	-	# Days	# Days
January	56.3	28.6	42.4	76	25/1952	-14	11/1962	49.5	52	36.9	49	0.0	0.4
February	61.5	32.6	47.0	81	25/1986	5	25/1960	55.8	57	38.3	64	0.0	0.1
March	67.9	37.9	53.0	89	27/1971	12	03/1965	59.7	74	47.4	62	0.0	0.0
April	77.1	45.2	61.2	97	22/1965	24	03/1975	67.0	89	54.9	83	0.8	0.0
May	86.2	53.7	69.9	104	27/1951	33	03/1953	75.8	96	64.7	53	10.3	0.0
June	95.1	62.6	78.9	110	22/1981	41	11/1975	84.1	90	75.6	92	25.4	0.0
July	94.5	65.9	80.2	110	08/1951	51	03/1955	85.4	51	76.1	76	24.9	0.0
August	92.0	64.3	78.1	106	07/1951	51	26/1953	84.0	52	74.4	71	21.9	0.0
September	86.8	58.1	72.4	102	04/1948	39	21/1965	78.7	54	68.4	91	11.4	0.0
October	77.4	47.1	62.3	94	05/1951	24	31/1993	69.1	50	57.7	76	0.7	0.0
November	65.2	35.2	50.2	84	17/1966	0	29/1976	54.9	65	44.8	48	0.0	0.0
December	57.1	28.8	43.0	75	14/1950	-1	24/1953	48.0	50	36.1	53	0.0	0.2
Annual	76.4	46.7	61.6	110	19510708	-14	19620111	64.2	50	60.2	55	95.4	0.8
Winter	58.3	30.0	44.1	81	19860225	-14	19620111	47.7	96	38.7	64	0.0	0.7
Spring	77.1	45.6	61.4	104	19510527	12	19650303	65.9	89	57.6	73	11.1	0.0
Summer	93.9	64.3	79.1	110	19510708	41	19750611	82.7	94	76.5	55	72.2	0.0
Fall	76.5	46.8	61.6	102	19480904	0	19761129	65.1	50	58.3	76	12.1	0.0

Table updated on Oct 24, 1998

For monthly and annual means, thresholds, and sums: Months with 10 or more missing days are not considered Years with 1 or more missing months are not considered

OROGRANDE 1 N, NEW MEXICO

Period of Record General Climate Summary - Temperature

	· · · · · · · · · · · · · · · · · · ·	<u> </u>			Station	:(296	435) ORO	GRANI	E 1 N	1			
					Fron	n Yea	ı=1948 To	Year=19	998				
		Month verag	•		Daily Ex	atreme	es	Moı	nthly I	Extreme	S	Max.	Тетр.
	Max.	Min.	Mean	High	Date	Low	Date	Highest Mean	Year	Lowest Mean	Year	>= 90 F	<= 32 F
	F	F	F	F	dd/yyyy	F	dd/yyyy	F	-	F	-	# Days	# Days
January	57.3	26.9	42.0	78	31/1967	-13	11/1962	47.5	57	35.6	49	0.0	0.3
February	62.7	30.8	46.7	84	10/1957	2	02/1951	54.8	57	39.0	64	0.0	0.2
March	69.4	36.1	52.8	91	29/1967	11	04/1965	58.8	67	47.3	69	0.0	0.0
April	78.0	43.8	60.9	100	23/1965	22	01/1980	66.7	89	53.6	83	1.5	0.0
May	86.6	51.7	69.2	106	28/1951	31	02/1967	74.9	96	65.3	92	10.9	0.0
June	95.6	61.3	78.5	110	18/1960	44	11/1972	84.6	90	74.6	79	25.8	0.0
July	95.6	65.6	80.6	110	25/1963	50	23/1950	84.7	80	76.5	91	26.5	0.0
August	92.8	63.7	78.3	106	18/1969	52	07/1949	82.5	69	74.3	74	23.6	0.0
September	87.6	57.5	72.6	112	07/1948	40	23/1995	76.6	83	68.6	91	12.4	0.0
October	79.0	45.8	62.4	95	01/1953	21	22/1996	66.0	87	56.2	76	1.4	0.0
November	66.1	33.8	50.0	86	01/1950	3	29/1976	57.4	65	44.5	56	0.0	0.0
December	57.9	27.2	42.6	78	06/1958	1	24/1953	48.1	72	37.0	53	0.0	0.2
Annual	77.4	45.3	61.4	112	19480907	-13	19620111	63.2	94	59.6	79	102.0	0.8
Winter	59.3	28.3	43.8	84	19570210	-13	19620111	47.9	57	39.3	64	0.0	0.7
Spring	78.0	43.9	60.9	106	19510528	11	19650304	65.5	89	56.1	73	12.4	0.0
Summer	94.7	63.6	79.1	110	19600618	44	19720611	82.6	94	76.6	91	75.9	0.0
Fall	77.6	45.7	61.6	112	19480907	3	19761129	64.6	65	57.9	76	13.8	0.0

Table updated on Oct 24, 1998

For monthly and annual means, thresholds, and sums: Months with 10 or more missing days are not considered Years with 1 or more missing months are not considered

WHITE SANDS NATL MON, NEW MEXICO

Period of Record General Climate Summary - Temperature

		*		Si	tation:(299	686)	WHITE S.	ANDS N	ATL	MON			
							ur=1948 To	*******			<u> </u>		· · · · · · · · · · · · · · · · · · ·
	1	Month verag	-		Daily E	xtrem	es	Mo	nthly]	Extremes	5	Max.	Temp.
	Max.	Min.	Mean	High	Date	Low	Date	Highest Mean	Year	Lowest Mean	Year	>= 90 F	<= 32 F
	F	F	F	F	dd/yyyy	F	dd/yyyy	F	-	F	-	# Days	# Days
January	56.9	22.2	39.6	77	26/1975	-25	11/1962	45.7	52	33.1	48	0.0	0.4
February	62.9	25.6	44.3	85	12/1957	-14	02/1951	52.9	57	34.5	64	0.0	0.1
March	70.4	31.2	50.8	89	26/1971	0	03/1971	55.9	67	46.0	62	0.0	0.0
April	79.3	39.3	59.3	97	22/1965	16	05/1974	65.6	51	54.2	98	1.5	0.0
May	88.0	48.3	68.1	104	27/1951	20	02/1967	73.1	51	63.4	53	13.2	0.0
June	96.8	58.2	77.5	111	22/1981	36	01/1988	82.8	90	73.3	92	26.3	0.0
July	97.0	63.8	80.4	110	08/1951	48	05/1956	85.7	51	77.1	91	28.2	0.0
August	94.4	61.4	77.9	106	01/1959	45	21/1956	81.9	52	74.1	90	25.7	0.0
September	89.0	54.0	71.4	103	04/1983	34	24/1975	75.5	54	68.5	91	15.2	0.0
October	79.0	40.8	59.9	95	13/1948	13	28/1970	65.0	50	55.0	76	1.5	0.0
November	65.8	27.9	46.9	85	01/1952	-12	29/1976	51.8	65	41.1	79	0.0	0.1
December	56.9	21.8	39.3	77	04/1958	-8	24/1953	43.9	77	32.0	60	0.0	0.3
Annual	78.0	41.2	59.6	111	19810622	-25	19620111	61.5	54	58.1	79	111.6	0.8
Winter	58.9	23.2	41.1	85	19570212	-25	19620111	44.9	57	34.6	64	0.0	0.8
Spring	79.2	39.6	59.4	104	19510527	0	19710303	62.6	89	56.7	75	14.7	0.0
Summer	96.1	61.1	78.6	111	19810622	36	19880601	82.1	94	76.3	91	80.3	0.0
Fall	78.0	40.9	59.4	103	19830904	-12	19761129	62.1	77	55.4	76	16.6	0.1

Table updated on Oct 24, 1998

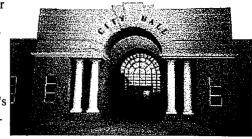
For monthly and annual means, thresholds, and sums: Months with 10 or more missing days are not considered Years with 1 or more missing months are not considered

Alamogordo Profile

City of Alamogordo Profile

Alamogordo, county seat of Otero County, New Mexico, is the metropolitan center of the Tularosa Basin. The city is the commercial and governmental center for the county. Alamogordo is a thriving center of 30,000+ residents. The city's mild climate and pristine scenery offer its people an ambiance that enriches their quality of life. The Tularosa Basin is surrounded by the majestic Organ, San Andres and Sacramento Mountain ranges.

Alamogordo was founded in 1898 as a terminal for the railroad. The community's activities promoted the growth of logging, tourism and health-related enterprises. A national survey rated Alamogordo as one of the 50 healthiest places to live in



the U.S. The basic beginnings are still in place—many of the early buildings are still occupied by businesses. Tourism-related activity and light manufacturing contribute to the economy. White Sands National Monument is a major attraction as are the International Space Hall of Fame and the Lincoln National Forest.

MILITARY

Holloman Air Force Base, the area's largest employer, is located near Alamogordo, and is the home of the F-117 Stealth Fighter Wing, the German Air Force in the U.S., and the High Speed Test Track. White Sands Missile Range, a U.S. Army installation near Alamogordo, is the second largest overland testing range in the world. As the birthplace of the U.S. rocket program in the 1940s, today White Sands Missile Range is the testing site for the reusable rocket and numerous Department of Defense research and evaluation programs. The City of Alamogordo is closely linked to both Holloman and White Sands, both of whom represent a combined impact of military-civilian annual payroll of more than \$200 million and an economic impact of more than \$450 million to the local economy.

CLIMATE

The Sacramento Mountain range is the southernmost tip of the Rocky Mountain chain within the boundary of the United States, and as such is not subject to the drastically cold temperatures of the upper ranges. The area's climate is more moderate than other desert areas because of its high elevation and proximity to the mountain range, which provides shelter from the wind's cold as well as cooling rain showers in summer's heat. With elevations ranging from 4,300 feet to 9,000 feet, the county has an ideal climate of warm days and cool nights. There are 350 days of sunshine each year. Winter days stay comfortable with temperatures in the 50s and 60s. The basin averages 15 inches of precipitation per year, and 315 days are precipitation-free. The months of July through August gets approximately six inches of moisture, while the mountain areas average 32 inches of precipitation and 92 inches of snow.

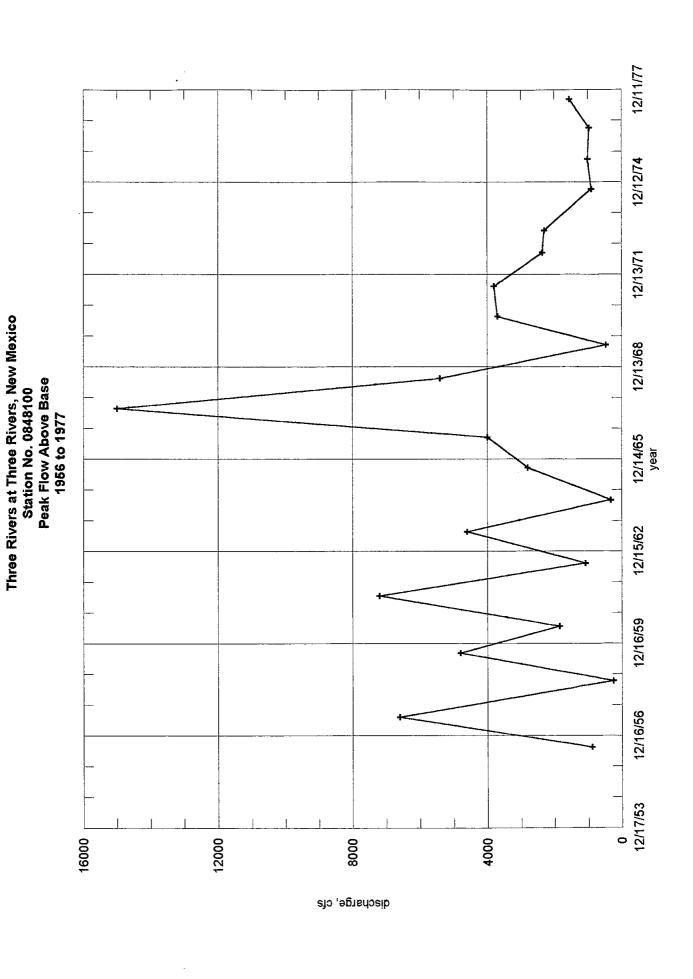
EDUCATION AND RELATED

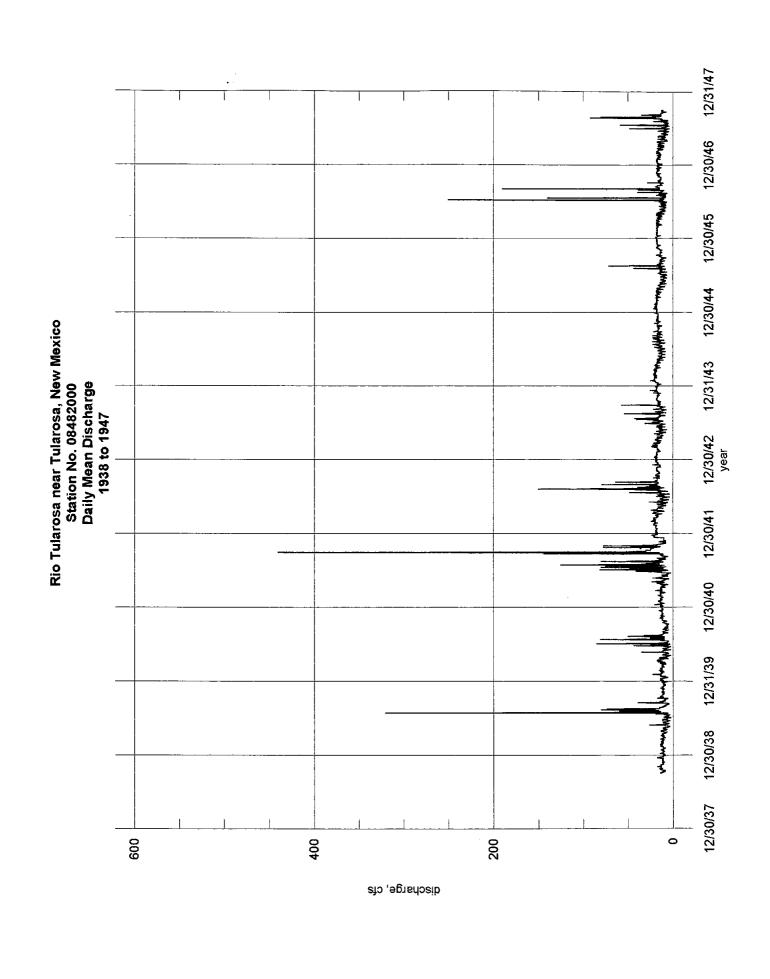
- Alamogordo Public Schools
 Superintendent: Mary Scott
 1211 Hawaii Avenue Alamogordo, New Mexico 88310
 505-439-3270
 Click here for APS Vision Statement, Mission Statement and Goals for the 1998-99 School Year.
- The Alamogordo Public Library

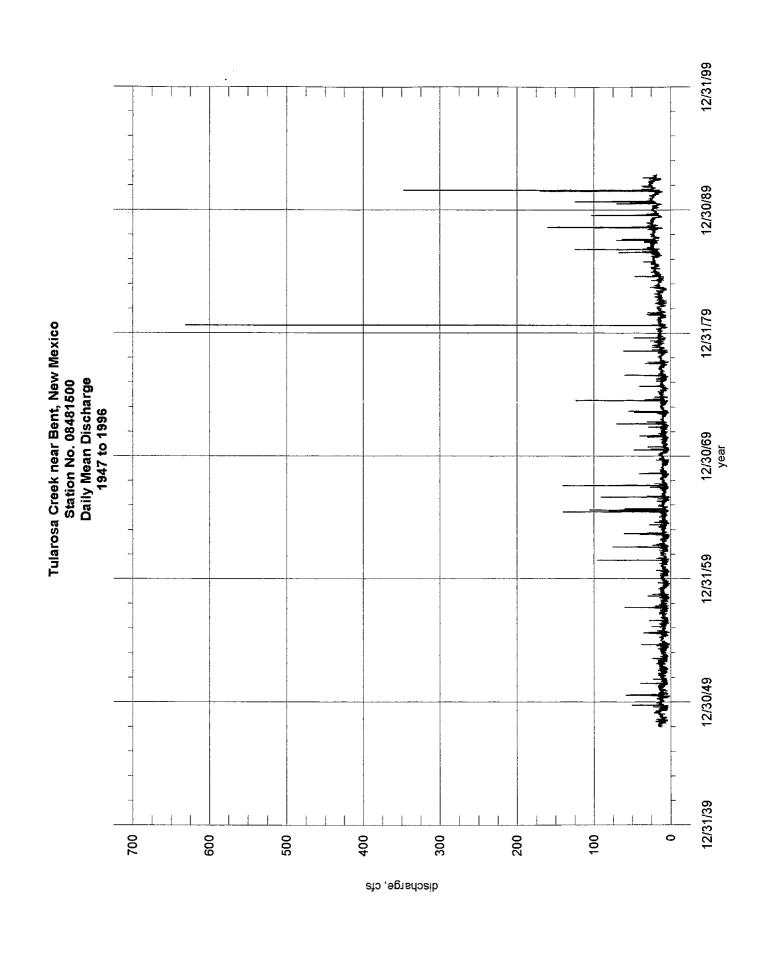
USGS Stream Flow Data

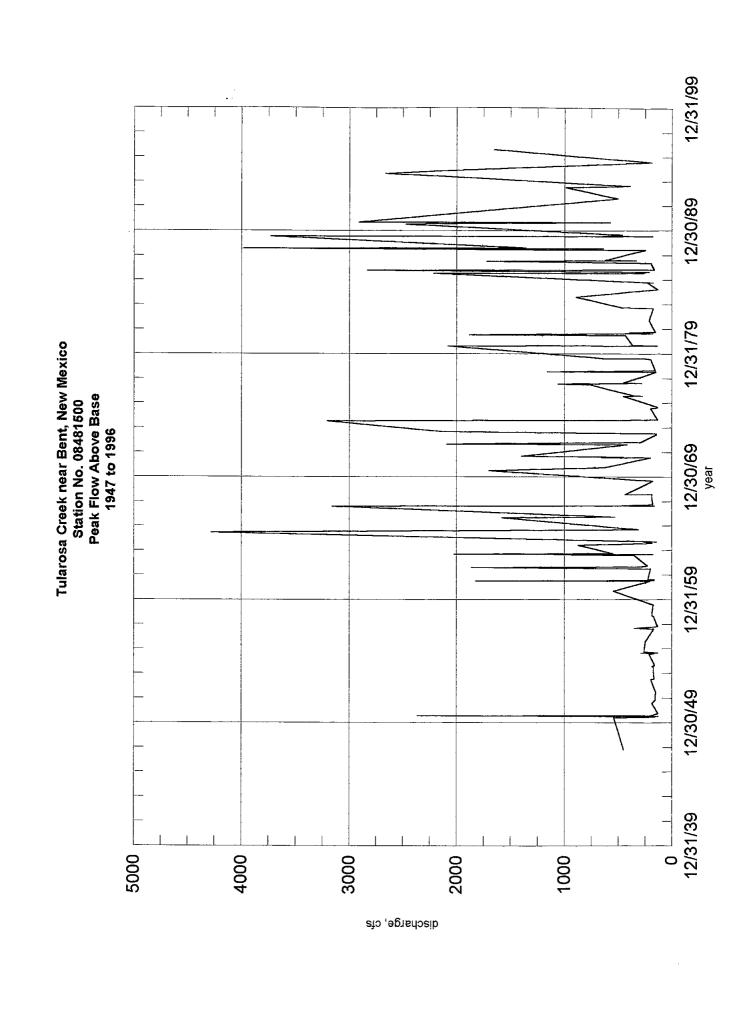
APPENDIX

6.2









Water Resources

 Data Category:
 Geographic Area:

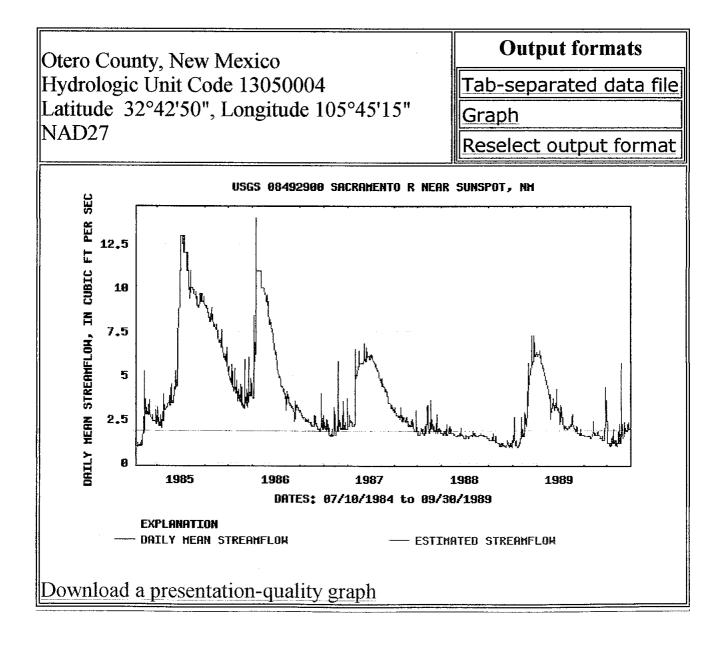
 Surface Water
 ▼

 United States
 ▼

Daily Streamflow for USA

USGS 08492900 SACRAMENTO R NEAR SUNSPOT, NM

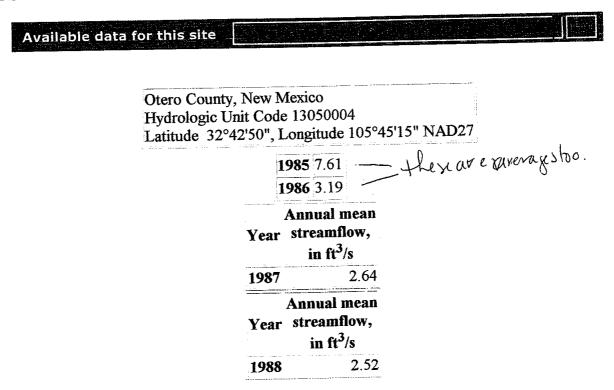
Available data for this site Surface-water: Daily streamflow





Calendar Year Streamflow Statistics for USA

USGS 08492900 SACRAMENTO R NEAR SUNSPOT, NM



Questions about data

h2oteam@usgs.gov

Feedback on this website gs-w support nwisweb@usgs.gov

Surface Water data for USA: Calendar Year Streamflow Statistics

http://water.usgs.gov/nwis/annual/calendar_year?

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Department of the Interior, U.S. Geological Survey

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0.97 0.91

TION.--Lat 32°42'50", long 105°45'15", in SW\NE\x sec.30, T.18 S., R.12 E., Otero County, Hydrologic Unit 13050004, on left abutment of concrete weir in Lincoln National Forest, 100 ft downstream from natural soda dam, 0.5 mi downstream from Hornbuckle Canyon, 3.2 mi downstream from Sacramento Lake, and 6.4 mi southeast of Sunspot.

DRAINAGE AREA. -- 12.8 mi2.

WTR YR 1987 TOTAL

CAGE.--Water-stage recorder and concrete control. Elevation of gage is 7,830 ft above National Geodetic Vertical patum of 1929, from topographic map.

THARKS.--No estimated daily discharges. Records good. Diversions upstream from station for municipal water supply for village of Orogrande. Several observations of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD. -- Maximum discharge, 22 ft³/s, Aug. 14, 1984, gage height, 2.24 ft; minimum, 0.80 ft³/s, July 16, 1984.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9.7 ft³/s, Nov. 3, gage height, 1.77 ft; minimum, 1.3 ft³/s, July 7.

NOV 2.2 4.1 6.5 5.3 4.8 5.0 5.0 5.0 5.1 5.2 5.4 5.4 5.5	DEC 5.7 5.7 5.7 5.7 5.9 6.8 6.4 6.0 5.9 5.8 5.9 5.9 5.8	JAN 6.1 6.2 6.0 6.1 6.2 6.1 6.1 5.9 5.8 5.8 5.8 5.8	FEB 5.2 5.1 5.0 4.9 4.8 4.7 4.7 4.8 4.7 4.6 4.6 4.8 4.4	MAR 4.1 4.2 4.1 4.1 4.1 4.0 3.8 3.8 3.6 3.5 3.4 3.4 3.4 3.4	3.0 3.0 3.0 3.0 3.2 3.0 2.9 2.9 2.9 2.7 2.7 2.7 2.7	MAY 2.9 2.6 2.5 2.4 2.5 2.6 2.4 2.4 2.6 2.6 2.6 2.6 2.6 2.7 2.4 2.4 2.6	JUN 2.2 2.1 2.1 2.1 2.1 2.1 2.2 2.1 2.3 2.5 2.1 2.3 2.1 2.0	JUL 1.8 1.9 1.7 1.6 1.6 1.6 1.6 1.6 1.7 1.8 2.0 2.0	2.1 1.8 1.7 1.7 1.7 2.2 2.9 3.2 3.3 2.7 2.4 2.0 1.9 1.8	1.9 1.8 2.0 2.1 1.9 1.8 1.8 1.8 2.8 2.0
2.2 4.1 5.3 4.8 5.0 5.0 5.0 5.1 5.2 5.4 5.4 5.5	5.775.75.75.75.75.75.86.405.55.995.995.86.1	6.1 6.2 6.0 6.1 6.1 6.1 5.8 5.8 5.8 5.8	5.2 5.1 5.0 4.9 4.8 4.7 4.7 4.7 4.7 4.7 4.6 4.6 4.8	4.2 4.1 4.1 4.0 4.0 3.8 3.8 3.6 3.5 3.4 3.4	3.0 2.9 3.0 3.2 3.0 2.9 2.9 2.7 2.7 2.7 2.7 2.7	2.6 2.5 2.4 2.5 2.6 2.4 2.4 2.4 2.6 2.6 2.5 2.4	2.1 2.1 2.1 2.1 2.4 2.4 2.2 2.1 2.3 2.5 2.1 2.3	1.9 1.7 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.8 2.0	1.8 1.7 1.7 1.7 2.2 2.9 3.2 3.3 2.7 2.4 2.0 1.9 1.8	1.8 2.0 2.1 1.9 1.8 1.8 1.8 1.7 1.7 1.8 2.8 2.0
4.1 6.5 3.8 5.0 5.0 5.0 5.1 5.4 5.4 5.4	5.7 5.7 5.7 5.9 6.4 6.0 9 5.9 5.9 5.9 6.1	6.2 6.1 6.2 6.1 6.1 5.9 5.8 5.8 5.8 5.8	5.1 5.0 4.9 4.8 4.7 4.7 4.7 4.8 4.7 4.6 4.6 4.8	4.2 4.1 4.1 4.0 4.0 3.8 3.8 3.6 3.5 3.4 3.4	3.0 2.9 3.0 3.2 3.0 2.9 2.9 2.7 2.7 2.7 2.7 2.7	2.5 2.4 2.5 2.6 2.4 2.4 2.6 2.6 2.5 2.4	2.1 2.1 2.1 2.4 2.4 2.2 2.1 2.3 2.5 2.1 2.3 2.1	1.7 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1.7 1.7 1.7 2.2 2.2 2.9 3.2 3.3 2.7 2.4 2.0 1.9 1.8	2.0 2.1 1.9 1.8 1.8 1.8 1.7 1.7 1.7 1.8 2.8 2.0
4.1 6.5 3.8 5.0 5.0 5.0 5.1 5.4 5.4 5.4	5.7 5.7 5.8 6.4 6.9 5.9 5.9 5.9 5.9 6.1	6.0 6.1 6.1 6.1 6.1 5.9 5.8 5.8 5.8 5.8	5.1 5.0 4.9 4.8 4.7 4.7 4.8 4.7 4.6 4.6 4.6 4.8	4.1 4.1 4.0 4.0 3.8 3.8 3.6 3.6 3.4 3.4	2.9 3.0 3.2 3.0 2.9 2.9 2.8 2.7 2.7 2.7 2.7	2.4 2.5 2.6 2.4 2.4 2.6 2.6 2.6 2.5 2.4	2.1 2.1 2.4 2.4 2.2 2.1 2.3 2.5 2.1 2.3 2.1	1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.8 2.0	1.7 1.7 2.2 2.2 2.9 3.2 3.3 2.7 2.4 2.0 1.9 1.8	2.0 2.1 1.9 1.8 1.8 1.8 1.7 1.7 1.7 1.8 2.8 2.0
6.5 5.3 4.8 5.0 5.0 5.0 5.1 5.4 5.4 5.4	5.7 5.7 5.8 6.4 6.9 5.9 5.9 5.9 5.9 6.1	6.1 6.2 6.1 6.1 5.8 5.8 5.8 5.8	5.0 4.9 4.8 4.7 4.7 4.7 4.7 4.6 4.6 4.8	4.1 4.0 4.0 3.8 3.8 3.6 3.5 3.4 3.4 3.4	3.0 3.2 3.0 2.9 2.9 2.8 2.7 2.7 2.7 2.7 2.7	2.4 2.5 2.6 2.4 2.4 2.6 2.6 2.6 2.5 2.4	2.1 2.1 2.4 2.4 2.2 2.1 2.3 2.5 2.1 2.3 2.1	1.6 1.6 1.6 1.6 1.6 1.6 1.7	1.7 2.2 2.9 3.2 3.3 2.7 2.4 2.0 1.9 1.8	2.1 1.9 1.8 1.8 1.8 1.7 1.7 1.8 2.8 2.0
5.3 4.8 5.0 5.0 5.0 5.1 5.1 5.2 5.4 5.4 5.4	5.7 5.8 6.4 6.0 5.9 5.9 5.9 5.9 5.9	6.1 6.2 6.1 6.1 5.8 5.8 5.8 5.8	4.9 4.8 4.7 4.7 4.8 4.7 4.6 4.6 4.8 4.4	4.1 4.0 4.0 3.8 3.6 3.6 3.4 3.4 3.4	3.2 3.0 2.9 2.9 2.7 2.7 2.7 2.7 2.7 2.7	2.5 2.6 2.4 2.4 2.6 2.6 2.6 2.5 2.4	2.1 2.1 2.4 2.4 2.2 2.1 2.3 2.5 2.1 2.3 2.1	1.6 1.6 1.6 1.6 1.6 1.7 1.8 2.0	2.2 2.9 3.2 3.3 2.7 2.4 2.0 1.9 1.8	1.9 1.8 1.8 1.8 1.7 1.7 1.7 1.8 2.8 2.0
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5.0 5.0 5.0 5.1 5.1 5.4 5.4 5.4	5.8 6.4 6.0 5.9 5.9 5.9 5.9 5.9	6.1 6.1 5.9 5.8 5.8 5.8 5.8	4.8 4.7 4.7 4.8 4.7 4.6 4.6 4.6 4.8	4.0 3.8 3.8 3.6 3.5 3.4 3.4 3.4	2.9 2.9 2.8 2.7 2.7 2.7 2.7 2.7	2.4 2.4 2.4 2.6 2.6 2.5 2.4	2.4 2.4 2.2 2.1 2.3 2.5 2.1 2.3 2.1	1.6 1.6 1.6 1.6 1.7 1.8 2.0	2.2 2.9 3.2 3.3 2.7 2.4 2.0 1.9 1.8	1.8 1.8 1.8 1.7 1.7 1.8 2.8 2.0
5.0 5.0 5.1 5.1 5.4 5.4 5.4	6.8 6.0 5.9 5.8 5.9 5.9 5.9	6.1 6.1 5.8 5.8 5.8 5.8 5.8 5.8	4.7 4.8 4.7 4.6 4.6 4.6 4.8 4.4	4.0 3.8 3.8 3.6 3.5 3.4 3.4 3.4	2.9 2.9 2.8 2.7 2.7 2.7 2.7 2.7	2.4 2.4 2.4 2.6 2.6 2.5 2.4	2.4 2.4 2.2 2.1 2.3 2.5 2.1 2.3 2.1	1.6 1.6 1.6 1.6 1.7 1.8 2.0	2.9 3.2 3.3 2.7 2.4 2.0 1.9 1.8	1.8 1.8 1.7 1.7 1.8 2.8 2.0
5.0 5.0 5.1 5.1 5.4 5.4 5.4	6.8 6.0 5.9 5.8 5.9 5.9 5.9	6.1 6.1 5.8 5.8 5.8 5.8 5.8 5.8	4.7 4.8 4.7 4.6 4.6 4.6 4.8 4.4	4.0 3.8 3.8 3.6 3.5 3.4 3.4 3.4	2.9 2.9 2.8 2.7 2.7 2.7 2.7 2.7	2.4 2.4 2.6 2.6 2.5 2.4 2.4	2.4 2.2 2.1 2.3 2.5 2.1 2.3 2.1	1.6 1.6 1.6 1.6 1.7 1.8 2.0	2.9 3.2 3.3 2.7 2.4 2.0 1.9 1.8	1.8 1.8 1.7 1.7 1.8 2.8 2.0
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5.0 5.1 5.1 5.2 5.4 5.4	6.4 6.0 5.9 5.8 5.9 5.9 5.8 6.1	5.9 5.8 5.8 5.8 5.8 5.8	4.8 4.7 4.6 4.6 4.8 4.4	3.8 3.6 3.5 3.4 3.4 3.4	2.8 2.7 2.7 2.7 2.7 2.7 2.7	2.4 2.6 2.6 2.5 2.4 2.4	2.1 2.3 2.5 2.1 2.3 2.1	1.6 1.6 1.7 1.8 2.0	3.3 2.7 2.4 2.0 1.9 1.8	1.8 1.7 1.7 1.8 2.8 2.0
5.0 5.1 5.2 5.4 5.4 5.4	6.0 5.9 5.8 5.9 5.9 5.9 5.8	5.9 5.8 5.8 5.8 5.8 5.8	4.7 4.6 4.6 4.8 4.4	3.6 3.5 3.4 3.4 3.4 3.4	2.7 2.7 2.7 2.7 2.7 2.7	2.6 2.6 2.5 2.4 2.4	2.1 2.3 2.5 2.1 2.3 2.1	1.6 1.6 1.7 1.8 2.0	2.7 2.4 2.0 1.9 1.8	1.7 1.8 2.8 2.0
5.1 5.2 5.4 5.4 5.4	5.9 5.8 5.9 5.9 5.8 6.1	5.8 5.8 5.8 5.8 5.8	4.7 4.6 4.6 4.8 4.4	3.5 3.4 3.4 3.4 3.4	2.7 2.7 2.7 2.7 2.7	2.6 2.6 2.5 2.4 2.4	2.3 2.5 2.1 2.3 2.1	1.6 1.6 1.7 1.8 2.0	2.4 2.0 1.9 1.8	1.8 2.8 2.0
5.1 5.2 5.4 5.4 5.4	5.8 5.9 5.9 5.9 5.8 6.1	5.8 5.8 5.8 5.8 5.8	4.7 4.6 4.6 4.8 4.4	3.5 3.4 3.4 3.4 3.4	2.7 2.7 2.7 2.7	2.6 2.5 2.4 2.4	2.5 2.1 2.3 2.1	1.6 1.7 1.8 2.0	2.4 2.0 1.9 1.8	1.8 2.8 2.0
5.1 5.2 5.4 5.4 5.4	5.9 5.9 5.9 5.8 6.1	5.8 5.8 5.8 5.8	4.6 4.6 4.8 4.4	3.4 3.4 3.4 3.4	2.7 2.7 2.7 2.7	2.6 2.5 2.4 2.4	2.5 2.1 2.3 2.1	1.6 1.7 1.8 2.0	2.4 2.0 1.9 1.8	1.8 2.8 2.0
5.2 5.4 5.4 5.4	5.9 5.9 5.9 5.8 6.1	5.8 5.8 5.8 5.8	4.6 4.6 4.8 4.4	3.4 3.4 3.4 3.4	2.7 2.7 2.7 2.7	2.6 2.5 2.4 2.4	2.1 2.3 2.1	1.7 1.8 2.0	2.0 1.9 1.8	1.8 2.8 2.0
5.2 5.4 5.4 5.4	5.9 5.9 5.9 5.8 6.1	5.8 5.8 5.8	4.6 4.8 4.4	3.4 3.4 3.4	2.7 2.7 2.7	2.5 2.4 2.4	2.3	1.8 2.0	1.9 1.8 1.7	2.8 2.0 1.8
5.4 5.4 5.4	5.9 5.9 5.8 6.1	5.8 5.8 5.8	4.6 4.8 4.4	3.4 3.4	2.7 2.7	2.4	2.3	2.0	1.8	2.0 1.8
5.4 5.4 5.5	5.9 5.8 6.1	5.8 5.8 5.8	4.8 4.4	3.4	2.7	2.4	2.1	2.0	1.7	1.8
5.4 5.5	5.8 6.1	5.8 5.8	4.4	3.4					1.7	
5.4 5.5	6.1	5.8				2 4	2.0	2.0		
5.5	6.1		4.7	3.4	2.7	2 4	2.0	2.0		
			4.7	3.4						
						2.3	1.9	1.8	1.7	1.8 1.9
5.5		5.8	4.6	3.4	2.6	2.4	1.9	1.7	1.7	
	6.6		4.5	3.4	2.6			1.8	2.3	1.9 1.8
5.6	6.2	5.5		3.4	2.7	2.6	1.8	1.8 1.7	1.8	1.8
6.4	6.1	5.7	4.5	3.3	2.6	2.5	1.8	1.,		
5.7	6.0	5.6	4.4	3.3				_		1.7
3.1	• • •			_		2.4	1.8	1.9	1.7	1.8
	6.1	5.6	4.3	3.1	2.6	2.4	1.8	1.8	2.1	
5.7		5.6	4.3	3.2	2.6		1.8	1.9	2.0	1.9
5.7	6.1		4.4	3.1	2.6	2.6		1.9	3.6	1.8
5.7	6.1	5.5		3.2	2.7	2.5	1.8		2.5	2.0
5.7	6.1	5.4	4.3		2.7	2.3	1.8	1.7	2.5	
		5.4	4.2	3.2	2.1					1.9
5.7	0.1					2 2	2.0			
	- 0	E /	4.3	3.3				1.7	2.1	1.8 1.9
5.7				3.2	2.5	2.1	2.1	1.7	2.0	1.9
5.7					2.6					1.9 1.8
5.7	6.1					2.1			2.0	1.8
5.7		5.3			2.0	2.1	1.8			
_								1.6	1.9	
				3.2		2.2			_	56.5
	6.0	3.3				^	62 4	53.4		
			100 0	108.5	83.0				2.17	1.88
160-2					2.77					2.8
		5.73				2.9				
_		6.2					1.8		1.7	111
			4.1			7.40		106	133	77.
				215	165	149				
318	369	304	255					» С— 17 T	2310	
			0.10	MAV	6.8	MIN	1.5	みとしてエ	2440	
9	5.7 5.7 5.7 5.7 5.7 5.7 5.7 160.2 5.34 6.5 2.2 318	5.7 6.1 5.7 5.9 5.7 5.9 5.7 6.1 5.7 6.0 5.7 5.9 6.0 160.2 186.1 5.34 6.00 6.5 6.8 2.2 5.7 318 369	5.7 6.1 5.4 5.7 5.9 5.4 5.7 5.9 5.4 5.7 6.1 5.3 5.7 6.0 5.3 5.7 5.9 5.3 6.0 5.3 160.2 186.1 177.5 5.34 6.00 5.73 6.5 6.8 6.2 2.2 5.7 5.3 318 369 352 TOTAL 1163.6 MEAN	5.7 6.1 5.4 4.2 5.7 5.9 5.4 4.3 5.7 5.9 5.4 4.1 5.7 6.1 5.3 4.1 5.7 6.0 5.3 5.7 5.9 5.3 6.0 5.3 160.2 186.1 177.5 128.8 5.34 6.00 5.73 4.60 6.5 6.8 6.2 5.2 2.2 5.7 5.3 352 255 TOTAL 1163.6 MEAN 3.19	5.7 5.9 5.4 4.3 3.3 5.7 5.7 5.9 5.4 4.1 3.2 5.7 5.9 5.4 4.1 3.0 5.7 6.1 5.3 4.1 3.0 5.7 6.0 5.3 3.0 5.7 5.9 5.3 3.2 5.7 6.0 5.3 3.2 6.0 5.3 3.2 6.0 5.3 6.0 5.3 6.0 5.3 6.0 5.3 6.0 5.3 6.5 6.8 6.2 5.2 4.2 6.5 6.8 6.2 6.2 6.2 6.2 6.3 6.2 6.2 6.2 6.3 6.2 6.3 6.2 6.3 6.2 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3	5.7 5.9 5.4 4.3 3.3 2.6 5.7 5.9 5.4 4.1 3.2 2.5 5.7 6.1 5.3 4.1 3.0 2.6 5.7 6.0 5.3 3.0 2.8 5.7 5.9 5.3 3.2 3.2 5.7 6.0 5.3 3.2 3.2 6.5 6.0 5.3 3.2 6.5 6.0 5.3 3.2 6.5 6.0 5.3 3.2 6.5 6.0 5.3 3.2 6.5 6.0 5.3 2.5 6.5 6.0 5.3 2.7 5.34 6.00 5.73 4.60 3.50 2.77 5.34 6.00 5.73 4.60 3.50 2.77 5.34 6.00 6.2 5.2 4.2 3.2 6.5 6.8 6.2 5.2 4.2 3.2 6.5 6.8 6.2 5.2 4.2 3.2 6.5 6.8 6.2 5.2 4.1 3.0 2.5 2.2 5.7 318 369 352 255 215 165	5.7 5.9 5.4 4.3 3.3 2.6 2.2 5.7 5.9 5.4 4.1 3.2 2.5 2.1 5.7 5.9 5.4 4.1 3.0 2.6 2.1 5.7 6.1 5.3 4.1 3.0 2.6 2.1 5.7 6.0 5.3 3.2 3.2 2.1 5.7 5.9 5.3 3.2 3.2 2.1 5.7 5.9 5.3 3.2 3.2 2.1 5.7 5.9 5.3 3.2 3.2 2.1 5.7 5.9 5.3 3.2 2.2 2.2 2.1 5.7 5.9 5.3 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2	5.7 6.1 5.4 4.2 3.2 2.7 5.7 5.9 5.4 4.3 3.3 2.6 2.2 2.0 5.7 5.9 5.4 4.1 3.2 2.5 2.1 3.0 5.7 6.1 5.3 4.1 3.0 2.6 2.1 2.1 5.7 6.0 5.3 3.2 3.2 2.1 1.8 5.7 5.9 5.3 3.2 3.2 2.1 1.8 5.7 5.9 5.3 3.2 3.2 2.1 1.8 5.7 5.9 5.3 3.2 3.2 2.1 1.8 5.7 5.9 5.3 4.1 3.0 2.8 2.1 2.0 6.0 5.3 3.2 3.2 2.1 1.8 5.7 5.9 5.3 4.1 3.0 2.8 2.1 1.8 5.7 5.9 5.3 4.60 3.50 2.77 2.42 2.08 6.5 6.8 6.2 5.2 4.2 3.2 2.9 3.0 6.5 6.8 6.2 5.2 4.2 3.2 2.9 3.0 6.5 6.8 6.2 5.2 4.2 3.2 2.9 3.0 6.5 6.8 6.2 5.2 4.1 3.0 2.5 2.1 1.8 2.2 5.7 5.3 4.1 3.0 2.5 2.1 1.8 3.8 369 352 255 215 165 149 124	5.7 6.1 5.4 4.2 3.2 2.7 2.0 1.7 5.7 5.9 5.4 4.3 3.3 2.6 2.5 2.1 3.0 1.7 5.7 5.9 5.4 4.1 3.2 2.5 2.1 3.0 1.7 5.7 6.1 5.3 4.1 3.0 2.6 2.1 2.1 1.7 5.7 6.0 5.3 3.0 2.8 2.1 2.0 1.6 5.7 5.9 5.3 3.2 3.2 2.1 1.8 1.6 5.7 5.9 5.3 3.2 3.2 2.1 1.8 1.6 5.7 5.9 5.3 1.6 5.7 6.0 5.3 1.6 5.7 6.0 5.3 3.2 2.1 1.8 1.6 5.7 5.9 5.3 2.0 5.3 2.0 5.3 2.0 5.3 2.0 5.3 2.0 5.3 2.0 5.3 2.0 5.3 2.0 5.3 2.0 5.3 4.60 3.50 2.77 2.42 2.08 1.72 5.34 6.00 5.73 4.60 3.50 2.77 2.42 2.08 1.72 5.34 6.00 5.73 4.60 3.50 2.77 2.42 2.08 1.72 5.34 6.00 5.73 4.60 3.50 2.77 2.42 2.08 1.72 5.34 6.00 5.73 4.60 3.50 2.77 2.42 2.08 1.72 5.3 4.1 3.0 2.5 2.1 1.8 1.6 2.2 5.7 5.3 4.1 3.0 2.5 2.1 1.8 1.6 2.2 5.7 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3	5.7 6.1 5.4 4.2 3.2 2.7 2.0 1.7 2.1 5.7 5.9 5.4 4.3 3.3 2.6 2.2 2.0 1.7 2.1 5.7 5.9 5.4 4.1 3.2 2.5 2.1 3.0 1.7 2.1 5.7 6.1 5.3 4.1 3.0 2.6 2.1 2.1 1.7 2.0 5.7 6.0 5.3 3.0 2.8 2.1 2.0 1.6 2.5 5.7 6.0 5.3 3.2 3.2 2.1 1.8 1.6 2.0 5.7 5.9 5.3 3.2 3.2 2.1 1.8 1.6 2.0 5.7 5.9 5.3 3.2 2.2 1.6 1.9 5.3 4.6 0.0 5.3 3.2 2.1 2.4 2.0 1.6 1.9 5.3 4.6 0.0 5.3 4.6 0.0 5.7 3.2 2.1 3.8 3.0 75.0 62.4 53.4 67.3 160.2 186.1 177.5 128.8 108.5 83.0 75.0 62.4 53.4 67.3 2.17 5.34 6.00 5.73 4.60 3.50 2.77 2.42 2.08 1.72 2.17 5.34 6.00 5.73 4.60 3.50 2.77 2.42 2.08 1.72 2.17 5.34 6.00 5.73 4.60 3.50 2.77 2.42 2.08 1.72 2.17 3.6 6.5 6.8 6.2 5.2 4.2 3.2 2.9 3.0 2.0 3.6 6.5 6.8 6.2 5.2 4.2 3.2 2.9 3.0 2.0 3.6 6.5 6.8 6.2 5.2 4.2 3.2 2.9 3.0 2.0 3.6 1.7 2.17 3.18 3.69 3.52 2.55 2.15 1.65 1.49 1.24 1.06 1.33 3.8 3.69 3.52 2.55 2.15 1.65 1.49 1.24 1.06 1.33

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Tularosa Basin 40-Year Water-Supply Plan Inventory of Springs salt

(F						Т	 			$\overline{}$	- 12		
	Remarks	Soccoro County; chemical analysis of major ions available from USGS	Soccoro County; chemical analysis of major ions available from USGS	Soccoro County; chemical analysis of major ions available from USGS	Soccoro County; chemical analysis of major ions available from USGS	Soccoro County; spring issues from fractures; chemical analysis of major ions available from USGS	Lincoin County, chemical analysis available in McLean, 1970 and from USGS; topographic situation = arroyo	Lincoln County, chemical analysis available in McLean, 1970 and from USGS; topographic situation = arroyo adjacent to Malpais	Lincoln County; chemical analysis available from USGS; topographic situation = arroyo; numerous springs marked on topographic sheet upstream from this location; directly south of the	town of Carrizozo	Lincoln County; chemical analysis available in McLean, 1970; topographic situation = canyon	Lincoln County; chemical analysis available from USGS; topographic situation = canyon; large deposit of sulfate in area of seep	Lincoln County; chemical analysis available from USGS and in McLean, 1970; topographic situation = arroyo; tank built over spring
	Specific Conductance microsiemens	625	570	650	451	3,300 3,030	2,350	3,340	1,500	i i i		3,150	6,290
	Temperature F degrees	38	42	45	49	75		60			58		64 68
	Date	03/04/55	03/04/55	03/02/55	03/30/55	02/25/54 06/21/55	1911	1911	10/03/48		03/25/05	11/03/55	1911 05/31/55
6	Flow Rate gpm	2.0	4.0		2.0	2.5	50.0	8.7	100.0		6.0	1.5	3.0
salt	Altitude feet					5,520	7 390	4,875	5,490		5,475	5,825	4,750
ുക്കുക്ക	Longitude	1062025	1062018	1062125	1062035	1061158	1055159	1060202	1055252			1060411	1060558
eastern	Latitude	334700	334646	334533	334046	334104	334000	333522	333728			333031	332905
northern	Twn/Rng	T6S.R6E.20.412	T6S.R6E.20.441	T6S.R6E.31.223	T7S.R6E.29.414	T7S.R7E.15.442	T76 D40E 26 422	T8S.R9E.29.113	T8S.R10E.11.313		T8S.R10E.22.3	T9S R8F 23 442	T9S.R8E.34.143
	Name / Owner	Deer Spring H. Bursum	Rabbit Spring H. Bursum	Council Spring H. Bursum	Dripping Springs A. Helm	Red Canyon Spring Alamogordo Bombing Range		Canizozo opinig Lower Willow Spring George McDonaid			I Inner Covote Spring	Duize Oreize	Phillips Springs Truman Spencer

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Tularosa Basin 40-Year Water-Supply Plan Inventory of Springs

Name / Owner Jakes Spring T9				, , ,					
ā								Specific	
20		- 118		Altitude	Flow Rate		Temperature F	Conductance	
	Twn/Rng	Latitude	Longitude	feet	abm	Date	degrees	microsiemens	Remarks
	TOS POE 10 343	333006	1055951	5 290	30.0	1911	63 63	1,920	Lincoln County; chemical analysis available from USGS and in McLean, 1970; topographic situation = hillside; improved spring
Rar X Spring	T9S R9E 10.343	332945	1055709	5,720	4.0-5.0	10/19/55	63	1,650	Lincoln County; chemical analysis available from USGS; topographic situation = constriced fan; improved spring
	T9S.R9E.32.211	332922	1060135	5,265	15.0-20.0	1911 02/26/53 08/18/55		2,000 2,050	Lincoln County; chemical analysis available from USGS and in McLean, 1970; topographic situation = arroyo at end of hogback;unimproved spring
0.1	T9S R11F 34 41			8.025	10.0	7.7/60/80	55	590	Lincoln County; topographic situation = hillside
Ni izazat Szriba	Tas R12E 12 41	333715	1054358	9.800	0.	04/16/57		2,340	Lincoln County; chemical analysis available from USGS; topographic situation = "dry gulch"; unimproved spring
	T9S R12E 13.34	333109	1054418	7,200	2.0	04/16/57		1,600	Lincoln County; chemical analysis available from USGS; topographic situation = Nogal Canyon; unimproved spring
s Proving	T10S.R6E.23.242	332535	1071705	4,350	3.0	06/02/55 08/06/57	61	4,850 5,050	Lincoln County; chemical analysis available from USGS; topographic situation = coalescing alluvial fans
ational	T10S.R11E.2.341			059'2	1.0	22/60/80	54	1,000	Lincoln County, topographic situation = north wall, Bonito Creek; issues from prospect pit and is milky yellow
Lincoln National Forest	T10S.R12E.12.144			7,500	32.0	22/60/80	54	280	Lincoln County, chemical analysis in Davis and others, 1980; topographic situation = Rio Bonito valley; flows into Bonito Lake
reek Spring National	T10S.R12E.24.431			7,990	0.4	08/09/77	22	370	Lincoln County; chemical analysis in Davis and others, 1980; topographic situation = head of canyon

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Tularosa Basin 40-Year Water-Supply Plan Inventory of Springs

المراجعة الم	Remarks	Lincoln County; topographic situation = small tributary to Telephone Canyon		Otero County; chemical analysis available from USGS; topographic situation = alluvial fan; seeps from gravel	Otero County; chemical analysis in McLean, 1970; topographic situation = Three Rivers drainage	Otero County; chemical analysis available from USGS; topographic situation = constricted alluvial fan	Otero County; chemical analysis available from USGS; topographic situation = constricted alluvial fan; seep	Otero County; chemical analysis in McLean, 1970; Garza and McLean, 1977; topographic situation = arroyo at toe of alluvial fan	Otero County; chemical analysis available from USGS; topographic situation = north fork, Tularosa Canyon	Otero County;chemical analysis in McLean, 1970; topographic situatiom = hillside	Otero County; fracture control on spring flow, used by fish hatchery in Mescalero; road is settling over buried gathering gallery; other small springs in area; topographic situation = next to road cut
	Specific Conductance microsiemens	180		1,120	0 4.	1,720	1,420	2,520	1,060	0 4 1	000,
	Temperature F degrees	59		29			62	64	25		52
	Date	22/08/08/77		02/29/56		11/06/57	02/29/56	03/25/69	10/18/60		
	Flow Rate gpm	54.0		2.0		450.0	2.0	5 est			550.0
salt	Altitude feet	066'2			4,700		5,520	4,300	6,650	6,900	009'9
n/ASTETP	Longitude			1060145	1060330	1055900	1055630	1060616	1054548		
eastern	Latitude			330222	331926	332058	332308	331250	331140		
northern	Twn/Rng	T10S.R12E.25.14		T11S.R9E.12.44	T11S.R9E.35.1	T11S.R9 1/2E.23.311	T11S.R10E.6.231	T13S.R9E.5.411	T13S.R12E.27.21(3)	T138.R12E.27.4	T13S.R12E.27.411
	Name / Owner	Lincoln National Forest	eastern	T C. Rvan	Falls Ranch Spring	T E. Ryan	T.F. Rvan	Chosa Spring California Institute of Technology	North Spring Town of Mescalero	Sulphur Spring	Church Spring US Fish & Wildlife Service

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Tularosa Basin 40-Year Water-Supply Plan Inventory of Springs

	northern	eastern	Wastern	salt					
				Altitude	Flow Rate		Temperature F	Specific Conductance	
Name / Owner	Twn/Rng	Latitude	Longitude	feet	mdb	Date	degrees	microsiemens	Remarks
									Otero County, chemical analysis available from USGS, reported as
Barrell Spring									14S.8E.35.233; fault control on spring
Alamogordo Rombino Rande	T14S P8E 35 144	330146	1060940	4 120	0 05	06/21/57		1 580	spring; topographic situation = Bolson at lower most top of beinds
						1911		1.838 ma/l TDS	
Tularosa Spring	T14S.R8E.35.233			4,120	est 25	06/21/57	61	2,310 2,310 2,220	Garza & McLean, 1977
								2,602 mg/l	Otero County; chemical analysis available from USGS; topographic
Lomitas Spring	T14S.R9E.3.333			4,320	5.0	04/18/69		(dissolved solids) - 1911	situation = Bajada; Garza & Mclean,
									Otero County; chemical analysis and trace element analysis available from
	T14S.R9E,4.444	330719	1060457	4,300		03/25/69		2,550	USGS; topographic situation = Bajada
Villane of Trilatosa	T14S R10F 15.3	330555	1055805			10/12/61	o	1 490	Otero County; chemical analysis available from USGS; topographic elitation = Tularosa Canon
500 120 1 10 2 Seat 1	0.01.110	20000	00000			10/2/01	8		Other Caratte at a caragon
									otero Courny, cremical analysis available from USGS;supplied fish
Head Spring									hatchery at Mescalero by pipeline in 1971: topographic situation = hottom of
Mescalero Apache	T14S.R12E.12.221	330705	1054333	7,040	200.0	10/04/60	52	883	South Fork, Tularosa Canyon
Alamogordo Bombing Range	T15S.R8E.10.4								Otero County; chemical analysis in McLean, 1970; topographic situation = Bolson
								7,846 mg/l	Otero County; chemical analysis in McLean, 1970; Garza and McLean,
Mesquite Springs	T15S.R9E.9.422			4,240				solids) - 1911	1977; topographic situation = arroyo in bajada

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Tularosa Basin 40-Year Water-Supply Plan Inventory of Springs

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					i			Specific	
				Altitude	Flow Rate		Temperature F	Conductance	
Name / Owner	Twn/Rng	Latitude	Longitude	feet	gpm	Date	degrees	microsiemens	Remarks
City of Alamogordo	T15S.R10E.25.2	325858	1055538			10/11/61	53	1,840	Otero County; chemical analysis available from USGS; collection point of water flow in aqueduct; flow represents composite of a number of springs and collection galleries in Fresnal Canyon; public water supply for Alamogordo topographic situation = canyon mouth
	T15S.R11E.11.143			6,400					Otero County; topographic situation = Laborcita Canyon; Garza & McLean, 1977
Maruchi Springs	T15S.R11E.24.124			6,650					Otero County, topographic situation = Maruci Canyon
La Luz Springs	T15S.R11E.25.2			6,900					Otero County; topographic situation = La Luz Canyon
	T16S.R9E.7.1								Otero County; chemical analysis in McLean, 1970; topographic situation = edge of White Sands
Fresnal Canyon Springs Lincoln National Forest	T16S.R10E.1.1								Otero County, topographic situation = canyon
City of Alamogordo	T16S.R10E.33.4	325147	1055508			10/11/61			Otero County: chemical analysis available from USGS; collection point of water flow in aqueduct; flow represents composite of springs along Alamo and Caballero Canyons; topographic situation = canyon mouth
Wooten Spring Lincoln National Forest	T16S.R11E.2.								Otero County; chemical analysis in McLean, 1970
Lincoln National Forest (Caballero Canyon Springs)	T16S.R11E.28.								Otero County;chemical analysis in Garza and McLean, 1977

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Tularosa Basin 40-Year Water-Supply Plan Inventory of Springs

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Tularosa Basin 40-Year Water-Supply Plan Inventory of Springs salt

	northern	eastern	v/estern	salt					
					i		,	L	
				Altitude	Flow Rate		Temperature F	Conductance	
Name / Owner	Twn/Rng	Latitude	Longitude	feet	gpm	Date	degrees	microsiemens	Remarks
Boriney Spring Wilde Sands Proving Gromes	T21S.R4E.12.413	322934	1062915	4,970	1.0	06/11/60	20	913	Dona Ana County; chemical analysis available from USGS; topographic situation = arroyo on hillside; (not in eastern part of basin)
Globe Sping Fort Bliss Mildary Reserve	T228.R4E.24.	322246	1062914		23.0	04/24/45		334	Dona Ana County, chemical analysis available from USGS; topographic situation = arroyo; (not in eastern part of basin)
Don Taylor	T17S.R10E.33.234	324657	1055458	4,650		03/29/54		1,280	Otero County; chemical analysis available from USGS; water piped to ranch house; topographic situation = near mouth of San Andreas Canyon
Alamo Canyon Springs Lincoln National Forest	T17S.R11E.7.2	325046	1055120	6,050	472.0	01/05/43 10/05/50 05/01/53		807 778 818	Otero County; chemical analysis available from USGS; developed springs supplying Alamogordo. topographic situation = Alamo Canyon bottom
Lincoln National Forest	T17S.R11E.11.23			7,950	147.5	05/26/77	41	475	Otero County; chemical analysis available IN Gross and others, 1980; headwater spring of the Rio Penasco; issues from a large marshy area; topographic situation = Rio Penasco Canyon
Lincoln National Forest	T17S.R11E.13.432				15.0	05/25/77	32	450	Otero County; topographic situation = Rio Penasco Canyon
Lincoln National Forest	T178.R12E.12.443			8,250	63.2	05/25/77	34	500	Otero County; topographic situation = North wall, Rio Penasco Canyon
Lincoln National Forest	T17S.R12E.14.314			8,200	10.0	05/24/77	37	460	Otero County; topographic situation = South wall, Wills Canyon
Lincoln National Forest	T178.R12E.14.422			8,175	0,5	05/24/77		490	Otero County; topographic situation = North wall, Wills Canyon
Lincoln National Forest	T17S.R12E.16.122			8,175	5.0	05/24/77	34	470	Otero County; topographic situation = South wall, Rio Penasco Canyon
Lincoln National Forest	T17S.R12E.16.431			8,700	2.0	05/24/77	34	455	Otero County; topographic situation = North wall, Wills Canyon

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Tularosa Basin 40-Year Water-Supply Plan Inventory of Springs

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	Remarks	Otero County;four springs issuing from a marshy area in colluvium were combined for these measurements; one spring issues from a circular orffice in colluvium; topographic situation = Rio Penasco Canyon	Otero County; chemical analysis available in Gross and others, 1980; two springs (10 yards apart) were combined for this measurement; topographic situation = South wall, Rio Penasco Canyon	Otero County; topographic situation = Wills Canyon	Otero County; topographic situation = Wills Canyon	Otero County; posted as "Masterson Springs" but 1/2 mile downstream from "Masterson Springs" on topographic map; topographic situation = Hay Canyon	Otero County; chemical analysis available in Hood, 1958; topographic situation = Canyon wall at mouth of Dog Canyon	Otero County; water piped to Orogrande; topographic situation = Sacramento Canyon	Otero County; chemical analysis available in Hood, 1958; topographic situation = junction of Thousand Mile and sacramento Canyons	Otero County; chemical analysis available in Gross and others, 1980; topographic situation = hillside
	Specific Conductance microsiemens	9	490	470	500	540	988		542	006
	Temperature F degrees	32	32	32	32	34	99	49	56	64
	Date	05/25/77	05/24/77	05/24/77	05/24/77	05/27/77	04/07/54	12/04/56	10/23/56	04/25/57
	Flow Rate gpm	25.0	175.0	93.6	12.0	9.5		200.0	450.0	33.4
salt	Altitude	8,250	8,225	8,475	8,525	8,525		8,440	8,430	
western	Longitude						1055433		1054645	1054918
eastern	Latitude		· ·				324455		324515	323020
northern	Twn/Rng	T17S.R12E.17.121	T17S.R12E.17.144	T17S.R12E.20.444	T17S.R12E.21.331	T17S.R12E.26.223	T18S.R10E.15.113	T18S.R11E.11.422	T18S.R11E.12.313	T21S.R11E.4.324
	Name / Owner	Lincoln National Forest	Bluff Springs Lincoln National Forest	Lincoln National Forest	Lincoln National Forest	Lincoln National Forest	Dog Canyon Spring Lincoln National Forest	Southern Pacific Railroad	Southern Pacific Railroad	US Army

Alamogordo's Surface Water Supply - Springs (ASR Study and Daniel's Study)

						Specific		
<u> </u>		Altitude	Flow		Temperature	Conductance	TDS	
Name / Owner	Twn/Rng	feet	Rate gpm	Date	F degrees	umhos/cm	mg/l	Remarks
Fresnal Canyon -								
North Fork								
Snow-Smith Spring	see Daniel's report		279*	1982			554	*flow rate is a combined rate (Snow- Smith + Highway)
Highway Spring				1002				*flow rate is a combined rate (Snow-
(C.M. Yard Spring)	see Daniel's report		•	1982				Smith + Highway)
Spring at Domestic								1 2 //
Water Tank	see Daniel's report		125.0	1982				not captured in a spring box
					·			domestic water users connected to
Horst Spring	see Daniel's report		139.0	1982				spring
Robinson Spring and	documented but							
Lama Spring?	unable to locate							
Haynes Canyon -								
Middle Fork								
Head Spring of								1
Haynes Canyon (Haynes Canyon								1
(Hayries Carryon Spring)	and Donielle report		EEC O	1000			E04	
oping)	see Daniel's report		556.0	1982	······································		591	** significant flow but they are
Springs in Mountain								captured by landowners and unable
Orchard Area	see Daniel's report		**					to determine their volume
Karr Canyon - South Fork								
Head Springs in Karr								none of the flow enters the Karr
Canyon	T16S.R11E.Sec.15.1		200.0	1982			544	Canyon stream
Covered Spring	T16S.R11E.Sec.15.1		453.0	1982			544	
Boggs Spring	T16S.R11E.Sec.9.2		171.0	1982				covers a large area
lalum Carrer								
La Luz Canyon					 			
			est. 120					
Crockett Spring	see Daniel's report		65	Sep-82			994	
Crockett Spring 2A	see ASR study			02/12/96		1635	- 007	
Crockett Spring 2B	see ASR study			02/12/96		1640		
Crockett Spring 2C	see ASR study			02/12/96		1657		
Crockett Spring 2D	see ASR study			02/12/96		1725		
Upper Maruchi			est. 500				-	
Spring	see Daniel's report		368	Sep-82				six springs in area
Upper Maruchi]					
Spring	see ASR study			02/12/96		1107		
								anting gras angempances six seres
			ļ .					spring area encompasses six acres, seven old spring boxes, numerous
Lower Maruchi								other springs, and vegetation - in
Spring	see Daniel's report		est. 908					1982 grossly ineffective
Lower Maruchi								
Spring	see ASR study			02/12/96		1211		
Upper Springer			est. 1055					two separate spring areas: (1) encompasses 29 acres, (2)
Spring	see Daniel's report		530	Sep-82			1,302	encompasses ~3 acres
Upper Springer		•						
Spring	see ASR study			02/12/96		1630		<u> </u>
Middle Springer								
Spring	see ASR study			02/12/96		2110		
Lower Springer			[comprised of ~4 acres, poor condition
Spring	see Daniel's report		est. 195				1,050	in 1982
Lower Springer				00/45/55				
Spring	see ASR study		L	02/12/96		2030	l	

	Hd Hd	7.2	7.3	7.2	7.4	7.2	7.0	7.2	7.1	6.9	6.9	7.2	7.1	7.2	7.0	7.0	7.1	7.0	7.1	7.0	7.1	7.1
0.180	• •			-	-		-					_								_		
	Specific Conducta	099	916	1200	1150	1530	2760	1590	1100	3100	3880	1650	3530	2070	1320	1320	1370	1470	1610	1700	1700	1800
opsA (Sodium Absorption (SAR)	0.1	0	0.1	0.1	0.1	0.3		,				9.0	0.3	,	0.1		ı	0.2		,	,
α	Percent Sodiu	3	0	2	_	1	æ	,					2	3	,	1			4		•	٠.
HARDNESS AS CaCO3	Non- carbonate	116	292	530	495	758	1610	828	404	1970	2290	810	2310	1120	582	588	630	673	754	820	834	886
HARD AS C	Calcium, Magnesium	352	895	710	089	940	1740	086	999	2200	2500	940	2470	1340	820	810	850	068	952	066	1010	1060
LVED	Tons per Acre- foot	0.54	,		1	1.59	,				,		4.49	2.28	ı	1.33			1.63	-	,	,
DISSOLVED SOLIDS	Parts per Million	400	624	853	802	1170	2444	1251	751	2791	3586	1312	3300	1680	975	981	1026	1128	1200	1363	1363	1465
	В потоВ	0.64		,	,	0.29	1		,	,	,		0.48	0.43	•	0.24	•	,	0.05	-		
	Vitrate NO3	59	1.8	13	29	18	233		,			1	2.4	2.7	•	4.1	1	,	11			
Z	Fluor-ide F		0.4	•	0.7	1.1	-						3.2	1.0		1.1			1.1	-	•	-
	Chlor-ide Cl	4	7	14	17	19	92	56	6	65	275	70	82	32	14	15	25	47	57	09	99	2,2
CHEMICAL CONSTITUENTS	Sulfate SO4	72	277	496	435	869	1300	727	367	1820	2020	412	2230	1070	533	547	563	290	672	751	749	
ICALC	Bicarbonate HCO3	288	336	220	226	222	156	186	318	284	254	158	202	270	291	272	268	265	242	207	214	213
CHEM	bns muibo2 muissedoA A+nV	5.8	0.7	7.8	3.4	6.2	27		ı		•	•	65	22		4.4			17	,	•	•
	Magnesium Mg	37		'		95	,				•	•	264	177		77		•	92	•	•	,
	Calcium Ca	80				220				•	•	,	929	244		198	,	,	230			
(H	Temperature (65		89	69	:	64	65	69	92	65		61	89	89	71	72	72	89	89	89	89
tia	U oidqergiterti&	Alluvium	Alluvium (?)	Alluvium	do.	Bone Spring limestone	Alluvium	do.	Bone Spring limestone	Alluvium	do.	do.	do.	Alluvium	Bone Spring limestone	do.	do.	do.	do.	do.	do.	ų,
lingA	Date of Collection 1956	26	25	26	18	18	20	18	18	17	17	13	16	12	11	11	11	12	11	11	30*	=
	Owner or Name	Sam Tanner	R.B. Tatman	Doyle Pate	Eldo Lewis	U.S. Air Force	Richard Lewis	do.	Howell Lewis	do.	Gene Lewis	J.D. Lewis	Ed Prather	Dempson Lewis	Mrs. K. Brownfield	John Gailey	J.W. Hill	Frank Gentry	do.	Gordon Parks	do.	Lendol Parker
	Location	21.17.12.343	22.17.26.221	22.18.17.140	23.18.29.110	23.18.30.340	24.18.36.410	24.19.18.344	25.17.9.110	25.18.8.242	25.18.24.441	25.18.25.240	25.18.26.111	25.18.27.443	26.17.3.300	26.18.21.223	26.18.21.411	26.18.28.113	26.18.29.113	26.18.30.213	do.	26 19 20 221

Well Data

APPENDIX

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LINCOLN-TB

Page Page			1					_		_			[ə	[ij	
DB File Nbr Use Experient Department Experient Department Quanters are biggest to small (state) Course of per amount) Quanters are biggest to small (state) P G PC 1 0.01564 STK 1 DETURE M. CAMPBELL 1 0.0256 0.03 10E 3 1			ıois	WELL DATA REPORT 08/30/2000									M J) по	Water
TODE THE AND USE GOWNET Vedit Number Tys R pg 9 1 1 103644 STK 6 BETER M. CAMPBELL 1 01964 025 106 3 1 1 1 00257 STK 1 HARRAL RACHH 1 01026 035 106 1 1 1 1 00259 STK 3 HARRAL RACHH 1 00256 035 106 3 1 1 1 1 0 1 1 1 0 1 0 1 1 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1	7. P. L.			(acre ft per annum)	(quarters are bigges	t to smal	lest)				č		o fite	igo(iojs)	ijsv	Surface (ft)
T 01964 STK 6 PETER M CAMPBELL T 01964 GST 10 22 1 T 01965 STK 1 PETER M CAMPBELL T 01965 058 10E 1 1 T 01965 STK 1 PETER M CAMPBELL T 01965 058 10E 1 1 T 01965 STK 3 PARRAL RANCH T 00256 038 10E 2 1 T 00259 STK 5 HARRAL RANCH T 00256 038 11E 2 1 T 00290 STK 5 HARRAL RANCH T 00259 038 11E 2 1 T 002179 OST 1 002179 038 11E 2 1 1 T 002179 STK 3 HUHTOWER LAND & CATTLE COMPANY T 02179 038 11E 2 2 1 4 4 2 2 1 1 1 1 1 00259 08 1 1 1 1 1 1 1 1 1 1<	lle Nor	Use	a	Оwner	Well Number	Tws	Rng	Sec			Start Date -	te Finish Date			Ele	ricy allou
T 00257 STK 11 HARRAL RANCH T 00257 058 10E 5 1 1 00266 STK 5 HERRAL CANCH T 00260 058 10E 5 1 1 00266 STK 5 HARRAL RANCH T 00256 058 10E 5 1 1 00256 STK 5 HARRAL RANCH T 00256 058 10E 5 1 1 00259 STK 5 HARRAL RANCH T 00256 058 11E 5 4 1 1 00259 STK 3 HARRAL RANCH T 00218 058 11E 5 4 1 1 00219 STK 3 HARRAL RANCH T 00218 058 11E 3 1 4 2 2 1 1 00179 STK 3 HARRAL RANCH, INC. T 00218 058 11E 3 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	964	STK		PETER M. CAMPBELL	1.	028	10E	32	2	1 2	3/19/92	3/26/92	757	615	6300	5885
T 01965 STK 5 PIETER M CAMPBELL T 01965 055 108 5 1 1 00250 STK 3 HARRAL RANCH T 00250 035 10E 3 1 1 00259 STK 5 HARRAL RANCH T 00259 035 10E 3 1 1 00259 STK 5 HARRAL RANCH T 00291 035 11E 16 2 4 1 00259 STK 5 HARRAL RANCH T 00291 035 11E 16 2 4 1 1 00218 STK 3 HARRAL RANCH T 02179 035 11E 3 1 4 1 4 1 1 4 1 1 1 0 4 1 1 1 0 3 1 1 1 1 0 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	257	STK		HARRAL RANCH	T 00257	038	10E	_	-	<u></u>		12/31/29	612			
T 00260 STK 3 HARRAL RANCH T 00266 035 10E 3 4 Z T 00256 STK 6 HARRAL RANCH T 00256 035 11E 15 1 T 00256 STK 5 HARRAL RANCH T 00259 035 11E 15 1 T 00261 STK 5 HARRAL RANCH T 00259 035 11E 25 4 1 T 02031 STK 3 HARRAL RANCH T 00291 035 11E 25 4 1 T 02179 DNM 3 BARD CATTLE COMPANY T 02179 035 11E 25 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 1 0 1 1 01715 035 1 2 4 1 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	965	STK		PETER M CAMPBELL		038	10E	S					s	558	6170	5612
T 00256 STK 6 HARRAL RANCH T 00259 038 10E 3 1 1 00261 STK 5 HARRAL RANCH T 00259 038 11E 5 1 1 1 00261 STK 5 HARRAL RANCH T 00259 038 11E 5 1 1 1 1 00219 DDM 3 BARD CATTLE COMPANY T 002178 038 11E 30 2 2 1 <t< td=""><td>097</td><td>STK</td><td></td><td>HARRAL RANCH</td><td></td><td>038</td><td>10E</td><td>∞</td><td>-</td><td></td><td></td><td>12/31/58</td><td>310</td><td></td><td></td><td></td></t<>	097	STK		HARRAL RANCH		038	10E	∞	-			12/31/58	310			
T 00259 STK 5 HARRAL RANCH T 00259 038 11E 16 2 4 T 00261 STK 5 HARRAL RANCH T 00261 038 11E 16 1 4 T 02179 STK 3 HGRICOATILE COMPANY T 02179 038 11E 25 4 1 T 02179 STK 3 BARD CATTLE COMPANY T 02179 038 11E 30 1 4 1 T 02179 STK 3 ONE HUNDRED RANCH, INC. T 00291 048 08E 1 4 4 1 T 02292 STK 3 ONE HUNDRED RANCH, INC. T 00288 048 08E 1 4 4 4 4 T 02292 STK 3 ONE HUNDRED RANCH, INC. T 00298 04S 08E 1 4	256	STK		HARRAL RANCH	ĺ	038	10E	13				12/31/29	490			
T 00261 STK 5 HARRAL RANCH T 00261 038 11E 25 4 T 002178 STK 3 HIGHTOWER LAND & CATTLE CO. T 00918 038 11E 25 4 1 T 02178 STK 3 BARD CATTLE COMPANY T 01715 CLW 048 11E 30 2 2 T 02178 STK 3 BARD CATTLE COMPANY T 01715 CLW 048 113 26 2 2 1 T 02278 STK 3 ONE HUNDRED RANCH, INC. T 00291 048 08E 28 1 4	259	STK		HARRAL RANCH	ŀ	038	10E	27	2	1 4		12/31/56	730			
T 00918 STK 3 HGHTOWER LAND & CATTLE CO. T 00918 038 11E 25 4 1 T 02179 DOM 3 BABD CATTLE COMPANY T 02179 038 11E 30 2 2 T 02178 STK 3 ONE HUNDRED RANCH, INC. T 00291 04S 08E 10 3 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4	197	STK		HARRAL RANCH	}	038	11E	16				12/31/59	470			
T 02179 DOM 3 BARD CATTLE COMPANY T 02178 035 11E 30 2 2 T 02178 STK 3 BARD CATTLE COMPANY T 01715 CLW 04S 01E 3 1 4 T 00291 STK 3 ONE HUNDRED RANCH, INC. T 00298 04S 08E 10 1 1 T 00228 STK 10 ONE HUNDRED RANCH, INC. T 00298 04S 08E 15 1 4 1 T 00228 STK 3 ONE HUNDRED RANCH, INC. T 00292 04S 08E 15 1 4 <t< td=""><td>918</td><td>STK</td><td></td><td>HIGHTOWER LAND & CATTLE CO.</td><td>1 1</td><td>038</td><td>11E</td><td>25</td><td>4</td><td>1 4</td><td>6/22/84</td><td>6/23/84</td><td>294</td><td></td><td></td><td></td></t<>	918	STK		HIGHTOWER LAND & CATTLE CO.	1 1	038	11E	25	4	1 4	6/22/84	6/23/84	294			
T 02178 STK 3 BARD CATTLE COMPANY T 02178 038 11 4 T 00228 STK 10 ONE HUNDRED RANCH, INC. T 00238 04S 04S 08E 2 2 2 T 00228 STK 10 ONE HUNDRED RANCH, INC. T 00288 04S 08E 25 1 4 T 00228 STK 3 ONE HUNDRED RANCH, INC. T 00288 04S 08E 25 1 4 T 00220 STK 3 ONE HUNDRED RANCH, INC. T 00292 04S 06E 2 3 1 T 00226 STK 3 DOM HUNDRED RANCH, INC. T 00292 04S 10E 2 3 3 4	179	DOM		BARD CATTLE COMPANY		038	11E	30				6/10//9	250	140	6200	0909
T 00291 STK 3 ONE HUNDRED RANCH, INC. T 00791 045 113 26 2 2 T 00292 STK 3 ONE HUNDRED RANCH, INC. T 00298 045 08E 25 1 4 T 00292 STK 10 ONE HUNDRED RANCH, INC. T 00292 045 08E 25 1 4 T 02176 STK 3 BARD CATTLE COMPANY T 02176 04S 10E 10 2 4 T 02174 STK 3 BARD CATTLE COMPANY T 02174 04S 11E 4	178	STK		BARD CATTLE COMPANY	. 1	038	11E	31	1	4 1		7/11/44	069	06	0009	5910
T 00291 STK 3 ONE HUNDRED RANCH, INC. T 00298 04S 08E 10 4 T 00288 STK 10 ONE HUNDRED RANCH, INC. T 00288 04S 08E 25 1 4 T 00292 STK 3 ONE HUNDRED RANCH, INC. T 00288 04S 08E 29 3 3 T 02176 STK 3 BARD CATTLE COMPANY T 0176 04S 10E 20 2 4 T 02176 STK 3 HIC LIQUIDATION TRUST T 02176 04S 10E 2 4 4 4 4 4 T 02174 STK 3 HIC LIQUIDATION TRUST T 02176 04S 11E 4						048	113	26								
T 00288 STK 10 ONE HUNDRED RANCH, INC. T 00288 04S 08E 25 1 4 T 00220 STK 3 ONE HUNDRED RANCH, INC. T 00292 04S 08E 25 1 4 T 00210 STK 3 BARD CATTLE COMPANY T 02174 04S 10E 2 4 T 02176 STK 3 BARD CATTLE COMPANY T 02174 04S 10E 2 3 T 02174 STK 3 BARD CATTLE COMPANY T 02174 04S 11E 4 4 4 T 02175 STK 3 BARD CATTLE COMPANY T 02174 04S 11E 4 4 4 T 02175 STK 3 BARD CATTLE COMPANY T 02174 04S 11E 4	291	STK		ONE HUNDRED RANCH, INC.	- 1	04S	08E	10	3	1 3		12/31/26	006			
T 00292 STK 3 ONE HUNDRED RANCH, INC. T 00292 04S 08E 25 1 4 T 00292 STK 3 BARD CATTLE COMPANY T 02176 04S 10E 10 2 4 T 03578 DOM 3 SARA & L.Y. JACKSON REV. TRUS T 03578 04S 10E 10 2 4 T 03174 STK 3 HARD CATTLE COMPANY T 02174 04S 11E 4 4 4 4 T 02174 STK 3 BARD CATTLE COMPANY T 02174 04S 11E 4 4 4 4 T 02174 STK 3 BARD CATTLE COMPANY T 02174 04S 11E 4	288	STK		ONE HUNDRED RANCH, INC.	ļ	048	08E	25	_			12/31/10	585			
T 00292 STK 3 ONE HUNDRED RANCH, INC. T 00292 048 08E 29 3 S 4 A A A A CATTLE COMPANY T 02176 04S 10E 10 2 4 4<					00288	048	08E	25		4		12/31/62	585			
T 02176 STK 3 BARD CATTLE COMPANY T 02176 04S 10E 10 2 4 T 03578 DOM 3 SARA & L.Y. JACKSON REV TRUS T 03578 04S 10E 26 2 3 T 02174 STK 3 HIC LIQUIDATION TRUST T 02174 04S 11E 4 4 4 T 02175 STK 3 BARD CATTLE COMPANY T 02175 04S 11E 4 4 4 4 T 02124 DOM 3 GARY E. CALDWELL T 02173 04S 11E 15 2 2 T 02124 DOM 3 GARY E. CALDWELL T 02173 04S 11E 15 2 2 T 02173 STK 2 BARD CATTLE COMPANY T 02124 04S 11E 15 2 2 T 02173 STK 3 BARD CATTLE COMPANY T 02124 04S 11E 15 2 2 T 02173 STK	262	STK		ONE HUNDRED RANCH, INC.	i I	04S	08E	59		3 1		12/31/70	510			
T 03578 DOM 3 SARA & L.Y. JACKSON REV. TRUS T 03578 045 10E 26 2 3 T 00258 STK 3 HIC LIQUIDATION TRUST T 00258 045 11E 4 4 4 T 02174 STK 3 BARD CATTLE COMPANY T 02174 045 11E 4 4 4 T 02123 DOM 3 GARY E. CALDWELL T 02123 045 11E 4 2 2 T 02124 DOM 3 GARY E. CALDWELL T 02124 045 11E 15 2 2 T 02173 STK 2 BARD CATTLE COMPANY T 02173 045 11E 17 4 4 T 02177 STK 3 BARD CATTLE COMPANY T 02173 045 11E 17 4 4 T 02179 STK 3 BARD CATTLE COMPANY T 02173 045 11E 17 4 4 T 02179 STK 4 GALLACHER RANCHES T 00289 055 07E 1 1	921	STK		BARD CATTLE COMPANY		04S	10E	10				8/1/29	150	06		
T 00258 STK 3 HIC LIQUIDATION TRUST T 002134 04S 10E 31 2 4 T 02174 STK 3 BARD CATTLE COMPANY T 02174 04S 11E 4 4 T 02175 STK 3 BARD CATTLE COMPANY T 02173 04S 11E 4 2 2 T 02123 DOM 3 GARY E. CALDWELL T 02123 04S 11E 15 2 2 T 02124 DOM 3 GARY E. CALDWELL T 02124 04S 11E 15 2 2 T 02173 STK 2 BARD CATTLE COMPANY T 02173 04S 11E 17 4 4 T 02173 STK 3 BARD CATTLE COMPANY T 02177 04S 11E 17 4 4 T 02174 STK 3 BARD CATTLE COMPANY T 02177 04S 11E 17 4 4 T 00175 DOM 3 VERNON IR. LANGWORTHY T 01715 04S 11E 1 2 2 T	378	DOM		TRU		04S	10E	56	-				1360			
T 02174 STK 3 BARD CATTLE COMPANY T 02174 045 11E 4 4 4 4 4 4 4 4 4 4 4 2 7 1 02175 STK 3 BARD CATTLE COMPANY T 02123 048 11E 4 2 2 2 T 02124 DOM 3 GARY E. CALDWELL T 02124 048 11E 15 2 2 T 02173 STK 2 BARD CATTLE COMPANY T 02177 048 11E 17 4	258	STK		HIC LIQUIDATION TRUST	ļ	04S	10E	31				12/31/46	840			
T 02175 STK 3 BARD CATTLE COMPANY T 02123 048 11E 4 2 2 T 02123 DOM 3 GARY E. CALDWELL T 02124 048 11E 15 2 2 T 02124 DOM 3 GARY E. CALDWELL T 02124 048 11E 15 2 2 T 02173 STK 2 BARD CATTLE COMPANY T 02177 048 11E 17 4 4 T 02175 STK 3 BARD CATTLE COMPANY T 02177 048 11E 17 4 4 T 02175 STK 3 ONE HUNDRED RANCH, INC. T 01715 048 11E 17 4 4 T 00290 STK 4 GALLACHER RANCHES T 00290 058 05E 15 3 1 T 00290 STK 4 GALLACHER RANCHES T 00290 05S 09E 25 3 4 T 00293 DOM 5 GALLACHER RANCHES T 00290 05S 09E 25 3 4	174	STK	\neg	BARD CATTLE COMPANY	- 1	048	11E	4		-		2/16/78	180	145	5970	5825
T 02123 DOM 3 GARY E. CALDWELL T 02124 04S 11E 15 2 2 T 02124 DOM 3 GARY E. CALDWELL T 02124 04S 11E 15 2 2 T 02173 STK 2 BARD CATTLE COMPANY T 02177 04S 11E 17 4 4 T 02177 STK 3 BARD CATTLE COMPANY T 02177 04S 11E 17 4 4 T 02175 DOM 3 VERNON JR. LANGWORTHY T 0115 04S 11E 17 4 4 T 00289 STK 4 GALLACHER RANCHES T 00301 05S 08E 7 3 4 T 00290 STK 4 GALLACHER RANCHES T 00290 05S 08E 15 3 1 T 00290 STK 4 GALLACHER RANCHES T 00290 05S 09E 25 3 4 T 00293 STK 4 GALLACHER RANCHES T 00290 05S 09E 25 3 4 <td>175</td> <td>STK</td> <td></td> <td>BARD CATTLE COMPANY</td> <td></td> <td>04S</td> <td>11E</td> <td>4</td> <td></td> <td></td> <td></td> <td>12/31/00</td> <td>165</td> <td>145</td> <td>5970</td> <td>5825</td>	175	STK		BARD CATTLE COMPANY		04S	11E	4				12/31/00	165	145	5970	5825
T 02124 DOM 3 GARY E. CALDWELL T 02124 04S 11E 15 2 2 T 02173 STK 2 BARD CATTLE COMPANY T 02177 04S 11E 17 4 4 T 02177 STK 3 BARD CATTLE COMPANY T 02177 04S 11E 17 4 4 T 02175 DOM 3 VERNON JR. LANGWORTHY T 01715 04S 11E 2 2 2 T 00289 STK 4 GALLACHER RANCHES T 00300 05S 07E 2 1 2 T 00290 STK 4 GALLACHER RANCHES T 00290 05S 09E 1 3 1 T 00290 STK 4 GALLACHER RANCHES T 00290 05S 09E 3 3 4 T 00293 STK 4 GALLACHER RANCHES T 00299 05S 09E 25 3 4 T 00299 STK 5 GALLACHER RANCHES T 00299 05S 09E 25 3 4 <td>123</td> <td>DOM</td> <td></td> <td>GARY E. CALDWELL</td> <td>- 1</td> <td>04S</td> <td>11E</td> <td>15</td> <td>-</td> <td></td> <td></td> <td>7/20/59</td> <td>175</td> <td>147</td> <td>6100</td> <td>5953</td>	123	DOM		GARY E. CALDWELL	- 1	04S	11E	15	-			7/20/59	175	147	6100	5953
T 02173 STK 2 BARD CATTLE COMPANY T 02177 04S 11E 17 4 4 T 02177 STK 3 BARD CATTLE COMPANY T 02177 04S 11E 17 4 4 T 01715 DOM 3 VERNON JR. LANGWORTHY T 01715 04S 11E 26 2 2 T 00289 STK 3 ONE HUNDRED RANCHES T 00300 05S 07E 2 1 2 T 00300 STK 4 GALLACHER RANCHES T 00300 05S 08E 7 3 4 T 00290 STK 4 GALLACHER RANCHES T 00290 05S 09E 3 2 3 4 T 00293 STK 4 GALLACHER RANCHES T 00290 05S 09E 25 3 4 T 00299 STK 5 GALLACHER RANCHES T 00299 05S 09E 25 3 4 T 00299 STK <td< td=""><td>124</td><td>DOM</td><td></td><td>GARY E. CALDWELL</td><td>- 1</td><td>04S</td><td>11E</td><td>15</td><td>_</td><td></td><td></td><td>6/20/57</td><td>165</td><td>147</td><td>6100</td><td>5953</td></td<>	124	DOM		GARY E. CALDWELL	- 1	04S	11E	15	_			6/20/57	165	147	6100	5953
T 02177 STK 3 BARD CATTLE COMPANY T 02177 04S 11E 17 4 4 4 T 01715 DOM 3 VERNON JR. LANGWORTHY T 01715 04S 11E 26 2 2 2 T 00289 STK 3 ONE HUNDRED RANCHES T 00301 05S 07E 2 1 1 3 1 1 3 1 1 3	173	STK		BARD CATTLE COMPANY	- 1	04S	11E	17	-			8/28/61	300	290	5740	5450
T 01715 DOM 3 VERNON JR. LANGWORTHY T 01715 04S 11E 26 2 3 4 4 T 00300 STK 4 GALLACHER RANCHES T 00290 05S 09E 3 4 1 3 4 1 1 00290 05S 09E 3 4 1 1 00290 05S 09E 3 4 1 1 1 1 2 3 4 1 1 1 2 3 4 1 1 1 1 1	177	STK		BARD CATTLE COMPANY	. 1	04S	11E	17	\dashv			12/31/06	350	275	5740	5465
T 00289 STK 3 ONE HUNDRED RANCH, INC. T 00289 05S 07E 2 1 2 1 2 4 A T 00301 STK 4 GALLACHER RANCHES T 00300 05S 08E 7 3 4 T 00290 STK 4 GALLACHER RANCHES T 00298 05S 09E 3 3 3 4 T 00298 STK 4 GALLACHER RANCHES T 00298 05S 09E 25 3 4 T 00293 DOM 5 GALLACHER RANCHES T 00293 05S 09E 25 3 4 T 00299 STK 5 GALLACHER RANCHES T 00299 05S 09E 25 3 4 T 00299 STK 15 GALLACHER RANCHES T 00299 05S 09E 35 1 2 T 00299 STK 15 GALLACHER RANCHES T 00299 05S 09E 34 3 4	715	DOM		VERNON JR. LANGWORTHY	- 1	04S	11E	26			8/30/88	9/14/88	644	490	5740	5250
T 00301 STK 4 GALLACHER RANCHES T 00301 05S 08E 7 3 4 T 00300 STK 4 GALLACHER RANCHES T 00290 05S 09E 3 2 3 T 00290 STK 4 GALLACHER RANCHES T 00298 05S 09E 2 3 4 T 00293 DOM 5 GALLACHER RANCHES T 00293 05S 09E 25 3 4 T 00302 STK 5 GALLACHER RANCHES T 00293 05S 09E 25 3 4 T 00302 STK 15 GALLACHER RANCHES T 00299 05S 09E 25 3 4 T 00299 STK 15 GALLACHER RANCHES T 00299 05S 09E 25 3 4 T 00299 STK 15 GALLACHER RANCHES T 00299 05S 09E 25 3 4 T 00299 STK 15 GALLA	687	STK		ONE HUNDRED RANCH, INC.	- 1	058	07E	7				12/31/32	1107			
T 00300 STK 4 GALLACHER RANCHES T 00300 05S 08E 15 3 1 T 00290 STK 3 ONE HUNDRED RANCH, INC. T 0029 05S 09E 3 2 3 T 00298 STK 4 GALLACHER RANCHES T 00293 05S 09E 25 3 4 T 00302 STK 5 GALLACHER RANCHES T 00293 05S 09E 25 3 4 T 00299 STK 15 GALLACHER RANCHES T 00299 05S 09E 25 3 4 T 00299 STK 15 GALLACHER RANCHES T 00299 05S 09E 25 3 4 T 00299 STK 15 GALLACHER RANCHES T 00647 05S 09E 34 3 4 T 00299 STK 0 THOMAS A. KNIGHT T 00249 05S 10E 7 1 2 T 01211 IRR 84	301	STK		GALLACHER RANCHES	- 1	058	08E	7	\dashv	4	3/9/91	3/18/91	670	380	6430	6050
T 00290 STK 3 ONE HUNDRED RANCH, INC. T 00290 05S 09E 3 2 3 1 3 2 3 2 3 4 1 4 1 2 3 4 1 4 1 1 2 3 4 1 3 4 1 1 1 2 2 <td>300</td> <td>STK</td> <td></td> <td>GALLACHER RANCHES</td> <td>- 1</td> <td>058</td> <td>08E</td> <td>15</td> <td>3</td> <td></td> <td></td> <td>12/31/60</td> <td>200</td> <td></td> <td></td> <td></td>	300	STK		GALLACHER RANCHES	- 1	058	08E	15	3			12/31/60	200			
T 00298 STK 4 GALLACHER RANCHES T 00298 05S 09E 20 4 1 T 00293 DOM 5 GALLACHER RANCHES T 00293 05S 09E 25 3 4 T 00302 STK 5 GALLACHER RANCHES T 00299 05S 09E 25 3 4 T 00299 STK 15 GALLACHER RANCHES T 00299 05S 09E 34 3 4 T 00647 STK 0 THOMAS A. KNIGHT T 00647 05S 10E 7 1 2 T 01211 IRR 84 E. DIMMITT BOND T 01212 05S 10E 27 2 2 T 01212 IRR 441 BOND E. DIMMIT T 01212 S 05S 10E 27 1 1	067	STK		ONE HUNDRED RANCH, INC.	. 1	058	160	3				12/31/71	884			
T 00293 DOM 5 GALLACHER RANCHES T 00293 05S 09E 25 3 4 T 00302 STK 5 GALLACHER RANCHES T 00299 05S 09E 25 3 4 T 00299 STK 0 THOMAS A. KNIGHT T 00647 05S 10E 7 1 2 T 01211 IRR 84 E. DIMMITT BOND T 01212 05S 10E 27 2 2 T 01212 IRR 441 BOND E. DIMMIT T 01212 S 05S 10E 27 1 1	867	STK		GALLACHER RANCHES	í	058	09E	20	4			12/31/50	714	069	5645	4955
T 00302 STK 5 GALLACHER RANCHES T 00302 05S 09E 25 3 4 T 00299 STK 15 GALLACHER RANCHES T 00299 05S 10E 34 3 4 T 00647 STK 0 THOMAS A. KNIGHT T 00647 05S 10E 7 1 2 T 01211 IRR 84 E. DIMMIT BOND T 01212 05S 10E 27 1 1 T 01212 IRR 441 BOND E. DIMMIT T 01212 S 05S 10E 27 1 1	293	DOM		GALLACHER RANCHES	1	058	09E	25		₹†		12/31/40	200			
T 00299 STK 15 GALLACHER RANCHES T 00299 05S 09E 34 3 4 T 00647 STK 0 THOMAS A. KNIGHT T 00647 05S 10E 7 1 2 T 01211 IRR 84 E. DIMMIT BOND T 01211 05S 10E 27 2 2 T 01212 IRR 441 BOND E. DIMMIT T 01212 S 05S 10E 27 1 1	302	STK		GALLACHER RANCHES	- 1	058	09E	25	-	_		12/31/30	200	100	5510	5410
T 00647 STK 0 THOMAS A. KNIGHT T 00647 05S 10E 7 1 2 T 01211 IRR 84 E. DIMMITT BOND T 01211 05S 10E 27 2 2 T 01212 IRR 441 BOND E. DIMMIT T 01212 05S 10E 27 1 1	599	STK		GALLACHER RANCHES	T 00299	05S	960	34	-	-		12/31/20	100	80	5460	5380
T 01211 IRR 84 E. DIMMITT BOND T 01212 T 01212 OSS 10E 27 2 2 2 T 01212 IRR 441 BOND E. DIMMIT T 01212 05S 10E 27 1 1 T 01212 OSS 10E 27 1 1 1	547	STK		THOMAS A. KNIGHT	T 00647	058	10E	7								
T 01212 IRR 441 BOND E. DIMMIT T 01212 05S 10E 27 1 1 T 01212 S 05S 10E 27 1 1 1	211	-	-	E, DIMMITT BOND		058	10E	27		7		10/31/70	194	8	5645	5551
T 01212 S 05S 10E	212			BOND E. DIMMIT	- 1	058	10E	27	1			12/31/61	300	73	5610	5537
						058	10E	27	_			12/31/64	246	76	5610	5534

Ä			L			T 00473 S	S80	10E	2	3 4	-		08/08/6	144	35	5470	5435
7	T 00200 A	IRR	134	ARNOLD W. BOYCE		T 00506	088	10E	2	3 4	4 4		89/08/9	130	75	5490	5415
ţ						T 00506 S	088	10E	2	3 4	4 4		7/31/75	130	90	5490	5440
Å					:	T 00506 S-2	S80	10E	2	3 4	4 4		4/30/78	135	20	5490	5440
	T 00506 B	IRR	75.4	GREGORY ALLEN HANCOCK	JCOCK	T 00506	08S	10E	2	3 4	1 4		89/08/9	130	75	5490	5415
F						T 00506 S	08S	10E	2	3 4	4		7/31/75	130	90	5490	5440
128						T 00506 S-2	S80	10E	2	3 4	4		4/30/78	135	50	5490	5440
2	T 00506 C	IRR	34.4	34.4 GERALD & CAROLENE EMMONS	EMMONS	T 00506	S80	10E	2	8	4		89/06/9	130	75	5490	5415
ż						T 00506 S	S80	10E	2	3 4	4		7/31/75	130	20	5490	5440
Ž						T 00506 S-2	S80	10E	2	3 4	4		4/30/78	135	50	5490	5440
¥	T 00670	DOM	7	ROY W. HARMAN		T 00670	S80	10E	2	1 3	3	4/6/90	4/7/90	123	19	5425	5406
E	T 00917	DOM	3	R. M. AND J. FAY KING		T 00917	S80	10E	7	3 1		6/19/84	6/19/84	92	26	5435	5409
12	T 00922	DOM	3	SHEILA E. FIELDS		T 00922	S80	10E	7			6/20/84	6/20/84	192	25	5455	5430
#	138 T 00925	DOM	3	JOVITA H. TORRES		T 00925	S80	10E	2	3 1		6/19/84	6/21/84	35	23	5435	5412
3	T 01829	DOM	3	ARNOLD W. OR DOROTHA BOY	THA BOYCE	T 01829	S80	10E	7	3 4	1 2	6/56/89	68/08/	242	38	5485	5447
H	T 01870	DOM	3	ARNOLD OR DOROTHA BOYCE	A BOYCE	T 01870	S80	10E	2	3 4	7	12/5/89	12/7/89	150	65	5485	5420
138	T 02122	DOM	3	HAROLD DESIARDINS		T 02122	088	10E	2	3 1	2		12/31/04				
1	T 02182	IRR	12	NICK SERNA		T 02182	S80	10E	2	4 3	1	4/6/92	4/25/92	300	48	5485	5437
240	T 02478	IRR	27	CARRIZOZO MUNICIPAL SCHOO	AL SCHOOLS	T 02478	088	10E	2	1 3	1	9/20/93	9/20/93	120	25	5410	5385
ŧ						T 02478 S	088	10E	2	1 3	1	1/2/94	1/9/94	120	25	5410	5385
7	T 02699	DOM	3	GERALD OR CAROLENE EMMONS	E EMMONS	T 02699	088	10E	2	3 4	2	3/19/96	3/19/96	200	37	5485	5448
Æ	T 03005	DOM	3	LORENZO & ANITA SAMBRANO	MBRANO	T 03005	088	10E	2	3 1	3	8/56/98	8/21/98	180	28	5435	5407
4	144 T 03420	DOM	3	CHARLES R. GILMORE		T 03420	088	10E	7	3 4	2	5/18/99	2/25/99	100	40	5485	5445
145	T 00369	DOM	٥	WOODROW A. SCHLEGEL	EL	T 00369	08S	10E	3	3				200			
1.6	6 T 00932	IRR	0	W.D. & MAXINE LAMAY	Y	T 00932	08S	10E	3	2	\Box		12/31/76	300			
1.7	T 01697	DOM	0	WOODROW A. SCHLEGEL	HEL	T 01697	S80	10E	3	3 1							:
8	T 01951	IRR	3	JAMES R. HELDT		T 01951	088	10E	33	2 4	4	5/24/90	2/26/90	149	10	5410	5400
149	T 02387	IRR	0	FLORENCE F. RACHER		T 02387	088	10E	3	4 4			12/31/74	100			
1 5 0	T 02457	DOM	3	JOE GLENN THORNTON	Z	T 02457	088	10E	3	3 1	3	10/21/93	10/22/93	120	80	5390	5310
151	T 03142	DOM	3	LEON & SHIRLEY ROUSSEAU	SSEAU	T 03142	088	10E	3	2 4	4	2/8/97	2/8/97	190	25	5415	5390
152	T 03704	DOM	co	LLOYD V MOORE		T 03704	088	10E	3	2 3		6/28/00	6/28/00	160	45	5385	5340
153	T 00270	IRR	414	FARM CREDIT BANK OF WICHI	F WICHITA	T 00270	088	10E	4	3 1			12/31/56	50	15	5330	5315
167	T 01896	DOM	S	MARY C. GARMAN		T 01896	S80	10E	4	3	_		12/31/56	50	30	5330	5300
>	T 02771	DOM	3	JOHNSON S STEARNS		T 02771	S80	10E	4	4	1	3/14/96	3/14/96	62	38	5370	5332
X	T 03752	DOM	3	TODD W COOK		T 03752	S80	10E	4	2 4	-			100			
160	Т 00325	DOM	3	CONCEPTION A. MORALES	TES.	T 00325	088	10E	6	4 2		10/21/82	10/21/82	140	8	5405	5397
F	T 01046	IRR	9	FRED B, VEGA		T 01046	S80	10E	6	3 1			12/31/80	160	09	5335	5275
794	T 01369	DOM	3	PETE D. NARVAEZ		T 01369	088	10E	6	2 1	2	10/27/80	10/27/80	155	140	5380	5240
194	T 02135	DOM	3	JOHN TATE		T 02135	088	10E	6	2 3	4		12/31/73	110	,		
*	T 02959	DOM	3	JOHN C TATE		- 1	088	10E	6	2 3	\dashv	96/17/9	6/24/96	110	40	5385	5345
\$	Т 02962	DOM	m	GILBERT J BARELA		T 02962	088	10E	6	3	7	10/25/96	12/31/82	110	58	5350	5292
É	T 03238	MOQ	6	CHRISTOPHER BARELA, J	A, J	T 03238	S80	10E	6	4	4	12/24/97	12/26/97	200	120	5415	5295

2					SL0	10E	28	4	3		12/31/50	20	24	5250	5226
	MUL	3	MICHAEL AND MELODY GAINES	- 1	078	10E	28	4	4		12/31/50	20	24	5250	5226
T 00274	IRR	364		T 00274	07S	10E	53	4	-	5/31/84	11/30/51	100	24	5200	5176
<i>F</i>		_		l t	07S	10E	29	4 1	1		5/31/52	84	24	5200	5176
Ze Ze				T 00274 S-2	07S	10E	59	4 2	1		3/31/53	85	24	5215	5191
T 00274 A	4 HWY		RIGHT OF WAY BUREAU N.M.S.H &T	T 00274	S20	10E	29	4 1	1	5/31/84	11/30/51	100	24	5215	5191
T 00275	STK	2	NORMAN D. & NANCY B. DULEY	T 00275	07S	10E	29	4	-		7/31/54	100	75	5215	5140
T 00276	IRR	0	FARM CREDIT BANK OF WICHITA	T 00276	07S	10E	59	2 2	7		6/30/51	06	45	5225	5180
88 T 00277	IRR	0	NORMAN D. & NANCY B. DULEY	T 00277	078	10E	29	4 2	•	Ì	4/30/53	80	24	5215	5191
99 T 03352	DOM	m	ANTHONY SANCHEZ	T 03352	07S	10E	29	2 1	2	10/6/98	86/8/01	150	105	5210	5105
90 T 03585	STK	6	ANTHONY AND PATSY SANCHEZ	T 03585	07S	10E	29	2 1	7		12/31/44	06	80	5210	5130
91 T 00693	MON	æ	INC. SUNBELT MINNG COMPANY	T 00693	07S	10E	30	1 3		8/20/83	6/1/83	409			
93) T 00969	IRR	2		D 00969	078	10E	34	4	4		8/31/70	100	19	5340	5321
T 00310	DOM	3	JACK GARRETT	T 00310	078	10E	35	3		2/12/83	2/12/83	98	18	5370	5352
4 T 02245	DOM	3	CHARLEY STURGES	T 02245	SZ0	10E	35	3	4	6/4/92	6/20/92	250	35	5390	5355
93 T 02106	DOM	3	FRED H. AND HAZEL H. ENGLISH R	T 02106	07S	11E	-	1 1	т		12/31/00	165	70	6085	6015
95/10 T 09	STK	3	BAR W RANCH	T 01756	07S	11E	~	3	-		12/31/10	305	117	0209	5953
97) T 02965	STK	3	INC BAR W RANCH	T 02965	07S	11E	2	3 3		9/16/96	9/11/6	305	117	0209	5953
98) T 00936	STK	3	W. M. GALLAWAY	T 00936	078	11E	21	4 3		6/27/84	6/29/84	82	48	5625	5577
99 T 01757	STK	3	BAR W RANCH	T 01757	078	11E	29	1 3	3		12/31/13	72	100	5530	5430
드	DOM	3	WILLIAM S CHATFIELD	T 02533	07S	11E	29	4 3		5/5/94	5/8/94	136	37	5580	5543
101) T 03201	STK	3	PRESILIANO L. PINO	T 03201	07S	11E	34	2 1	4	1/20/98	1/25/98	06	42	5710	2668
Н	STK	99.0	UNITED STATES OF AMERICA	T 01207	07S	12E	31	2 2	7						
니	STK	3	WITHER'S RANCH	T 02086	S80	07E	œ	3 2			12/31/46	150	125	5380	5255
	STK	3	GRIDER, INC.	T 03538	08S	08E	2	3 3	3		12/31/59	1000	100	4905	4805
105 T 00655	IRR	183	MARGARET P. SHRECENGOST	T 00655	08S	09E	6	2			12/31/30	225			
901				T 00655 S	08S	09E	6	2 4	3		12/31/30	200			
-	STK	3	BAR W. RANCH, INC.	T 01759	088	09E	14	3 2	1		12/31/60	120	40	5045	5005
108 T 00942	STK	ω	R. E. HEMPHILL	T 00942	S80	09E	33	2 3		10/5/84	10/10/84	223	136	2090	4954
	MIN	\rightarrow	36.8 SW MINERALS CORP. AND	T 01723	08S	10E	_	1 3	3		12/31/81	120	100	5480	5380
M T 01808	DOM	3	S. B. BOYKIN	T 01808	S80	10E	1	3 1	7	2/19/89	5/23/89	240	120	5205	5385
M T 01962	. IRR	938	TOWN OF CARRIZOZO	T 01962	S80	10E	1	4 2	4			150	80	5555	5475
7				T 01962 S	S80	10E	-	4 2	4			150	129	5555	5426
12				T 01962 S-2	S80	10E	_	4	4			150	109	5555	5446
Z				T 01962 S-3	S80	10E	-	4	4			150	72	5555	5483
HS T 02158	EXD	0	BUREAU OF RECLAMATION	T 02158 EX-1	S80	10E		3		11/8/91	11/8/91	44	36	5205	5469
2				T 02158 EX-2	S80	10E	1	3 1		11/9/91	11/9/91	44	32	5205	5473
1				T 02158 EX-3	S80	10E	_	3 1		16/61/11	11/19/91	44	34	5205	5471
146				T 02158 EX-4	08S	10E	1	3 1		11/20/91	11/20/91	44	34	5205	5471
2				T 02158 EX-5	S80	10E	-	3 1		11/21/91	11/21/91	41	33	5505	5472
		12		T 00506 S2	088	10E	7	3 4	4	4/1/78		135			
T 00473	IRR	30	SALVADOR ORTIZ	T 00473	080	10E	·	3	-		971100	150	30	0470	3673

5570	5915						Ì				4952		5425	5430			5270	5530	4956	5360		5730			4935	4937	4205		5245		-		5460				5241	5241			
5	3										4		5	5			5.	5:	4	5.		Ş			4	4	4		5.				Š				5.	5.			
5740	6040			_							5450		2500	2500			5640	2660	5450	5460		5790			5315	5315	4955		5510				5480				5265	5265			
170	125		50		30	50	40		495	122	498		75	70			370	130	464	100		09			380	378	750		265				20				24	24			
200	150	400	<i>L</i> 9		450	160	157		597	205	89/	1280	06	06	06	160	400	200	792	160		202	620		400	400	800	300	280	300	480	250	50			255	50	50	30	75	100
8/5/74	12/31/40		12/31/44		12/31/1890	12/31/26			10/6/88	7/19/89	6/19/92	12/31/52	12/31/60	12/31/60	12/31/48	12/31/52	7/4/77	12/31/30	12/31/60	12/31/50		2/8/90	16/2/6		12/31/30	4/16/92	12/31/49	12/31/50	12/31/40	12/31/13	12/31/25	12/31/31	12/31/00		12/31/49	58/L/6	12/31/50	12/31/50	12/31/20	12/31/55	12/31/50
			1/1/44						10/1/88	7/12/89	5/19/92											2/6/90	16/4/6	-	4/6/92	4/6/92										8/56/85			1/1/20	1/1/55	1/1/55
3	7	2	8	2	7	-	-	3	3	m	4	1					2				Э		4	_	2	2	1	2	4	1	7	7	-		4		4	3			
1	2 2	2 2	4 2	3 1	1 4	2	2 3	ļ	3	2 2	1 4	1 4	4 3	4 4	3 4	1 3	4 2	4 1		-	3 4	3 4	2 2	4 1	1 3	1 3	3 2	2 4	3 4	2 4	4 2	2 4	4	2 3	3 3	4 3	4	4	7	2	2
_	6	18	25	28	27	31	31	32	7	-	31	33	3	4	5	9	13	23	30	35	4	S	11	36	12	12	34	4	8	12	19	34	11	14	16	20	28	28	28	28	28
11E	11E	11E	11E	11E	12E	12E	12E	12E	07E	09E	360	360	10E	10E	11E	11E	11E	11E	08E	08E	08E	160	09E	9E	09E	09E	10E	10E	10E	10E		10E	_		10E						
05S	05S	05S	05S	05S	058	058	058	058	S90	S90	S90	S90	S90	S90	S90	S90	S90	S90	S90	S90	S90	S90	S90	S90	SZ-0	07S	07S	-	07S	S20	07S	07S	S20	SZ-0	07S	07S	07S	07S	07S	07S	07S
T 00269	T 02225	T 03650	T 01213	T 01656	T 02149	T 02224	T 02230	T 01842	T 00296 REP	T 01856	T 02231	T 02412	T 00264	T 00266	T 00268	T 00265	T 01755	T 00267	T 02010	T 00263	T 01657	T 01913	T 02128	T 03599	T 02215	T 02215 CLW	T 03507	T 02409	T 02410	T 02411	T 00654	T 00653	T 01758	T 01981	T 03586	T 01176	T 00970	T 00970 S	- 1	- 1	T 01490
HOWARD E. HARKEY	3 HOWARD HARKEY	3 LEVEL 3 COMMUNICATIONS		BARHAM FAMILY PARTNERSHIP	3 REX WILSON	HOWARD HARKEY	HOWARD HARKEY	HOWARD HARKEY	BLACK HILLS RANCH	600 MARLIN C. FRETTEM	H. GRANT OR CATHY J. KINZER	GRANT OR CATHY KINZER	GALLACHER RANCHES	GALLACHER RANCHES	GALLACHER RANCHES	GALLACHER RANCHER	INC. BAR W. RANCH	GALLACHER RANCHES	MOUNTAIN STATES CONST., INC.	GALLACHER RANCHES	BARHAM FAMILY PARTNERSHIP	DONALD HOBBS	HOWARD HARKEY	ABQ UNDERGROUND, INC.	NORBERT FRITZ				GRANT OR CATHY KINZER	GRANT OR KATHY KINZER	16.8 MARGARET P. SHRECENGOST	0 MARGARET P. SHRECENGOST	BAR W. RANCH, INC.		ANTHONY & PATSY SANCHEZ	VALLEY OF FIRES ST. PARK	2 MICHAEL G. & MELODY K. GAINE				BILLY F. WINKLER
1	3	1 3	1 5	0 3	3	3	3	0	3		1 3	. 3		1 4	5	\$	9	ς.	3	S	0	1 3	3	3	3			1 3		. 3		8	0	0	. 3		112			1 3	f 3
DOM	STK	SAN	DOM	STK	DOM	STK	STK	DOM	STK	IRR	DOM	STK	STK	DOM	STK	STK	STK	STK	STK	STK	STK	DOM	STK	PUB	STK		STK	DOM	STK	STK	IRR	IRR	DOM	STK	STK	SAN	MIN		STK	DOM	MOG
T 00269	T 02225	T 03650	T 01213	T 01656	T 02149	T 02224	T 02230	T 01842	T 00296	T 01856	T 02231	T 02412	T 00264	T 00266	T 00268	T 00265	T 01755	T 00267	T 02010	T 00263	T 01657	T 01913	T 02128	T 03599	T 02215		T 03507	T 02409	T 02410	T 02411	T 00654	T 00653	T 01758	T 01981	T 03586	T 01176	T 00970		T 01488		T 01490
38	39	40	41	42	43	44	45	46	47	48	49	20	21	25	53	54	22	26	57	58	59	99	19	62	63	4	65	99	29	89		9	7.1	72	73	74	75	92		78	42

			П							\vdash			J		(13)	Water
#			rsio	WELL DATA REPORT 08/30/2000	(quarters are biggest to smallest)	biggest	to sma	llest)					tp o	th t er (f	поi	Surface
dej	DD Elle Mb.		9VÍ((acre ft per annum)	Well						Stort Date	Finish			BVS	Elevation
AŽ	DD FIRE INDI	Use	a	Owner	Number	Tws	Rng	Sec	ъ	b b	Start Date	Date	I		भञ	(E)
314	T 2379	STK	3	3 MAXWELL RANCH INC	T 02379	038	08E	22	4	3		12/31/13	770	750	6110	5360
315	T 2380	STK	3	3 MAXWELL RANCH INC	T 02380	038	380	28	3	1	2/6/63	12/31/14	865	835	6130	5295
316			L.		T 02380	038	08E	28	3	1 0	5/6/63	6/2/93	850	810	6130	5320
317	T 304	STK	9	6 JOYCE SLOAN	T 00304	038	09E	25	4	3 1		12/31/78	900	575	5940	5365
318	T 2500	STK	n	3 KNOLLENE MCDANIEL	T 02500	038	360	28	1	1 3		12/31/82	775	650	6105	5455
319	T 2499	DOM		3 KNOLLENE MCDANIEL	T 02499	038	160 E	29	2	2 4		12/31/75	231	165	6120	5955
320	T 2498	STK	3	3 KNOLLENE MCDANIEL	T 02498	03S	360	33	3	3 2		12/31/75	325	320	6055	5735
321	T 303	STK	9	SUE SLOAN CALLAHAN	T 00303	03S	09E	36		2		12/31/24	770	262	5940	5345
322	T 2378	STK	3	3 MAXWELL RANCH INC	T 02378	04S	07E	1	2	3		12/31/51	870	850	6430	5580
323	T 2059	STK	3	3 100 RANCH	T 02059	04S	08E	25	1	4 1	3/20/91	4/2/91	610	560	6170	5610
324	T 296	STK	æ	3 BLACK HILLS RANCH	T 00296	S90	07E	7	3	3 3	10/1/88	12/31/28	600	540	6365.14	5825
325	T 1459	DOM	3	3 BLACK HILLS RANCH	T 01459	S90	08E	18	4	3	11/20/86	11/22/86	160	70	5840.18	5770
326	T 297	STK	3	BLACK HILLS RANCH	T 00297	S90	08E	19	2	1		12/31/17	90	80	5840	2760
327	T 3079	PUB	0	CS MCCROSSAN CONSTR. INC.	T 03362	S90	08E	19	2	1 1	3/5/97	4/9/97	975	780	5905	5125
328					T 00294	S90	08E	22	-	2 4	11/2/92	11/6/92	860	800	5645	4845
329	T 2311	STK	3	3 BLACK HILLS RANCH	T 02311	S90	08E	77	-	4 2	11/9/92	11/10/92	400			
330	T 1691	STK	0	0 BLACK HILLS RANCH	T 01691	S90	08E	26	3	4 3		_				
331	T 295	STK	3	BLACK HILLS RANCH	T 00295	S90	08E	28	æ	4		12/31/31	650	280	5510	4930
332	T 1910	PUB		J.W. JONES CONSTRUCTION CO.	T 01910	S90	08E	35	-	-	01/31/990	2/4/90	099			
333	T 357	STK	14	14 GRIDER, INC.	T 00357	07S	08E	∞	e.	2 2			700	300	5480	5180
334	T 2472	STK	8.3	8.3 GRIDER, INC.	T 02472	07S	08E	14	3	2 1		12/31/09	800	909	5185	4585

Salt and Sacramento Basin Wells

Map#	File #	Location	Owner	Total Depth (ft)	Yield (gpm)	Pumping Level (ft)	Water Level (ft)	Elevation (ft)	Water Level Elevation (ft)
335	19-29	21S.16E.2.43	Cauhape	1280	9	1230	11500	5620	4470
336	19-30	21S.17E.31.33	Cauhape	1035	9	980	950.0	4625	3675
337	19-13	23S.18E.29.111	Lewis	300	15	280		3775	
338	19-14	24S.18E.11.33	Lewis	180	15	150		3675	
339	19-38	19S.14E.34.443	Van Cleve Trust	1080	6	700	650.0	6400	5750
340	19-50	20S.15E.13.143	Lewis	1430	10	1400	1400.0	5940	4540
341	19-52	21S.16E.22.121	Runyan	2700	100	1411	1390.0	5330	3940
342	19-53	21S.16E.18.311	Runyan	1440	10	1400	1400.0	5100	3700
343	19-206	26S.13E.7.100	US Government	560	3	555	535.0	4940	4405
344	19-207	25S.11E.14.3	US Government	540	7	535	500.0	5075	4575
345	19-208	25S.13E.30.1	US Government	200	10	190	150.0	4800	4650
346	19-209	25S.13E.28.4	US Government	550	10	545	490.0	4940	4450
347		25S.13E.13.3	US Government	200	2	195	185.0	4815	4630
348		26S.14E.14.13	Jones	310	5	270	186.0	4750	4564
349		26S.14E.27.		317	5	304	300.0	4770	4470
350		25S.18E.27.111	Warren	300	650	110	40.0	3560	3520
351		26S.14E.20.341	Bennett	600	3	570	550.0	5120	4570
352		25S.15E.5.1	Jones	1000	20	650	600.0	4270	3670
353			Hunt Building Corp.	156	6000	92	78.0	3630	3552
354			John G. Schafer	200	400	131	110.0	3595	3485
355			John G. Schafer	235	-100	131	110.0	3595	3485
356			John G. Schafer	100	10	180	110.0	3595	3485
357		24S.18E.11.442	John G. Schafer	180	14	180	110.0	3685	3575
358		24S.18E.29.414	John G. Schafer	200	20	180	110.0	3595	3485
359		24S.18E.20.144	John G. Schafer	350	3000	142	110.0	3625	3515
360		24S.18E.29.424	John G. Schafer	425	1100	148	110.0	3595	3485
361		23S.18E.15.112	George W. Rauch	600	600	350	225.0	3740	3515
362		23S.18E.2.222	George W. Rauch	500	300	300	300.0	3790	3490
363		23S.18E.36.443	George W. Rauch	500	300	450	450.0	3790	3340
364		24S.19E.18.243	George W. Rauch	450	3800	150	148.0	3700	3552
365		22S.18E.17.411	George W. Rauch	500	20	450	400.0	3775	3375
366		23S.18E.27.221	George W. Rauch	600	6	500	500.0	3740	3240
367		23S.18E.9.133	George W. Rauch	300	20	225	225.0	3775	3550
368		21S.17E.12.343	Sam Tanner	190		223	127.4	4460	4333
369		21S.17E.13.400		210			206.0	4480	4333
370			R.B. Tatman	610			400.0	3965	
371			R.B. Tatman	465					3565
371		22S.17E.30.222 22S.18E.17.140		510			380.0	3900	3520
373		23S.17E.16.440					464.3	4100	3636
374		23S.17E.10.440 23S.18E.9.233	Doyle Pate	785			520.0	4240	3720
375		23S.18E.9.233 23S.18E.23.311	Doyle Pate Doyle Pate	210	22		203.8	3775	3571
376		23S.18E.30.340		230	22 12D		167.2	3740	3573
377			Doyle Pate	300	12R		260.0	3850	3590
378		24S.17E.8.440	Howell Lewis	745	8R		620.0	4240	3620
379		24S.18E.1.432	Richard Lewis	200			170.0	3740	3570
		24S.18E.11.334		130			118.0	3675	3557
380		24S.18E.29.210		190			85.7	3640	3554
381		24S.18E.36.410		90	0505=		70.0	3660	3590
382		24S.19E.18.144	Kichard Lewis	480	3500R		143.0	3705	3562

Salt and Sacramento Basin Wells

383	040 10E 10 044 P. 1 . 1T .		1 105	1150	0.60.0	
	24S.19E.18.344 Richard Lewis	138	12R	117.0	3690	3573
384	25S.16E.10.244 Bryce Dugger			400+	4090	3690
385	25S.17E.9.110 Howell Lewis	450	12R	435.0	4105	3670
386	25S.18E.8.242 Howell Lewis	70		58.6	3660	3601
387	25S.18E.12.124 Ray Lewis	116	<u> </u>	110.2	3660	3550
388	25S.18E.21.233 Gene Lewis		350R	68.8	3915	3846
389	25S.18E.21.441 Gene Lewis			51.2	3595	3544
390	25S.18E.24.111 C.C. Chavez	140	400R	42.4	3640	3598
391	25S.18E.24.122 C.C. Chavez	140	350R	60.0	3630	3570
392	25S.18E.25.230 J.D. Lewis	500	597R	55.4	3560	3505
393	25S.18E.25.240 J.D. Lewis	30		60.0	3595	3535
394	25S.18E.26.111 Ed Prather	140	840M	56.5	3550	3494
395	25S.18E.27.213 Dempson Lewis	165		41.3	3595	3554
396	25S.18E.27.443 Dempson Lewis	80		38.5	3560	3522
397	25S.18E.35.330 Dempson Lewis	30		19.9	3560	3540
398	26S.16E.13.320	***************************************		200?	3850	3650
399	26S.17E.3.300 Mrs. K. Brownfield	315		275.0	3850	3575
400	26S.17E.21.333 Bryce Dugger	1100	475R	182.5	3705	3523
401	26S.17E.28.312 Bryce Dugger	875	475R	193.1	3725	3532
402	26S.18E.16.424 D.P. Lewis	100		49.0	3595	3546
403	26S.18E.21.223 John Gailey	105	2860M	36.2	3595	3559
404	26S.18E.21.331 Frank Gentry	544	1200R	35.5	3580	3545
405	26S.18E.21.411 J.W. Hill	426	2860M	27.0	3570	3543
406	26S.18E.27.242 Denman Lewis			18.0	3560	3542
497	26S.18E.28.113 Frank Gentry	394	3620M	31.5	3560	3529
408	26S.18E.29.111 Frank Gentry	600		54.0	3585	3531
489	26S.18E.29.113 Frank Gentry	333	2180M	52.8	3585	3532
410	26S.18E.29.113a Frank Gentry	298	2610M	52.8	3585	3532
411	26S.18E.30.122 Ernest Shelton	386	2000R	89.1	3625	3536
412	26S.18E.30.213 Gordon Parks	250	1720M	63.5	3645	3582
413	26S.18E.30.321 Lendol Barker	445		59.1	3595	3536
414	26S.18E.32.111 Mrs. K. Brownfield	400	600R	32.3	3560	3528
415	26S.18E.32.122 Mrs. K. Brownfield	300	3000R	31.8	3560	3528
416	26S.18E.33.111 J.W. Hill	425	400R	26.1	3555	3529
417	26S.18E.33.133 J.W. Hill	435	1200R	27.5	3555	3528

Western Tularosa Basin - well used to construct hydrographs

Name	Location	Period of Record	Trend
Well 81	T26S.R07E.31.223	1954-1999	water level increase
Well 92	T25S.R06E.20.333	1964-1999	water level increase
Well 95	T24S.R05E.36.131	1994-1999	water level increase
Well 98	T22S.R06E.31.422	1972-1996	water level increase
Well 99	T21S.R06E.32.114	1972-1996	water level increase
Well 100	T22S.R06E.08.414	1961-1996	water level decrease
Well 102	T21S.R06E.17.314	1972-1996	water level increase
Well 103	T21S.R06E.02.142	1972-1996	slight water level decrease
Well 104	T20S.R06E.29.123	1972-1996	water level decrease
Well 105	T20S.R06E.11.234	1972-1996	water level decrease
Well 106	T19S.R06E.28.213	1993-1997	water level decrease
Well 107	T19S.R06E.28.212	1993-1997	water level decrease
Well 108	T19S.R06E.28.214	1994-1997	water level decrease
Well 109	T19S.R06E.28.221	1993-1997	water level decrease
Well 122	T19S.R06E.28.212	1994-1997	water level decrease
Well 139	T13S.R05E.27.421	1969-1996	water level increse
Well 140	T26S.R05E.33.244	1954-1996	water level decrease
Well 141	T26S.R05E.22.314	1976-1999	water level decrease
Well 142	T26S.R05E.21.213	1979-2000	water level decrease
Well 143	T26S.R05E.04.312	1964-1999	water level decrease
Well 144	T25S.R05E.31.334	1994-1999	water level decrease
Well 146	T25S.R04E.35.213	1953-1999	water level decrease
Well 147	T25S.R04E.16.333	1954-1999	water level decrease
Well 148	T25S.R05E.16.232	1985-1999	water level decrease
Well 150	T25S.R04E.10.334	1985-1999	water level decrease
Well 151	T25S.R04E.11.123	1979-1999	water level decrease
Well 152	T25S.R04E.12.121	1993-1999	none
Well 153	T22S.R05E.05.313	1989-1996	water level decrease
Well 154	T23S.R05E.34.132A	1995-1999	water level decrease
Well 155	T23S.R05E.27.142	1969-1999	water level decrease
Well 156	T23S.R05E.10.413	1989-1999	none
Well 157	T23S.R05E.05.321	1969-1996	water level increase
Well 158	T22S.R05E.31.424	1947-1996	water level decrease
Well 159	T23S.R05E.01.113	1972-1996	water level decrease
Well 160	T22S.R05E.33.244	1969-1996	water level decrease
Well 161	T22S.R05E.33.223	1973-1996	constant
Well 162	T22S.R05E.30.423	1972-1996	water level increase
Well 163	T22S.R05E.29.412	1966-1996	water level decrease
Well 164	T22S.R05E.26.312	1972-1996	water level decrease
Well 165	T22S.R05E.28.233	1972-1996	water level decrease
Well 166	T22S.R05E.28.234	1989-1996	water level decrease
Well 167	T22S.R05E.28.142C	1971-1996	water level decrease
Well 168	T22S.R05E.28.124	1971-1996	water level decrease
Well 169	T22S.R05E.30.122	1982-1996	water level increase
Well 170	T22S.R05E.19.323	1976-1996	none
Well 171	T22S.R04E.23.214	1952-1996	water level increase
Well 172	T22S.R05E.19.141	1976-1996	none
Well 173	T22S.R04E.24.212A	1963-1996	none
Well 174	T22S.R05E.20.111	1967-1996	water level decrease

Western Tularosa Basin - well used to construct hydrographs

Name	Location	Period of Record	Trend
Well 175	T22S.R05E.21.211	1972-1995	water level increase
Well 176	T22S.R04E.15.331	1984-2000	water level decrease
Well 177	T22S.R04E.14.133	1960-1996	water level increase
Well 178	T22S.R04E.14.134	1972-1996	water level decrease
Well 179	T22S.R05E.15.221	1968-1996	water level decrease
Well 180	T22S.R05E.16.111	1953-1996	water level decrease
Well 181	T22S.R05E.16.111A	1972-1996	water level decrease
Well 182	T22S.R04E.12.434	1964-1996	water level decrease
Well 183	T22S.R05E.08.334	1972-1996	water level decrease
Weil 184	T22S.R04E.11.444	1972-1996	water level decrease
Well 185	T22S.R04E.11.344	1972-1996	water level increase
Well 186	T22S.R05E.07.342	1963-1996	water level decrease
Well 187	T22S.R04E.12.414	1964-1996	water level decrease
Well 188	T22S.R04E.11.224	1966-1996	water level decrease
Well 189	T22S.R05E.08.143	1972-1996	water level decrease
Well 190	T22S.R04E.12.214	1965-1996	water level decrease
Well 191	T22S.R05E.09.113	1972-1996	water level decrease
Well 192	T22S.R05E.09.113A	1972-1996	water level decrease
Well 193	T22S.R05E.07.242	1972-1996	water level decrease
Well 194	T22S.R04E.01.431	1966-1996	water level increase
Well 195	T22S.R04E.01.323	1972-1996	water level increase
Well 196	T22S.R05E.03.221	1972-1996	water level decrease
Well 197	T21S.R05E.33.242	1972-1996	water level decrease
Well 198	T21S.R05E.32.222	1967-1996	water level decrease
Well 199	T21S.R05E.34.213	1972-1996	water level decrease
Well 200	T21S.R05E.27.113	1972-1996	water level decrease
Well 201	T21S.R05E.20.344	1967-1996	water level decrease
Well 202	T21S.R05E.23.134	1972-1996	water level decrease
Well 203	T21S.R05E.17.424	1960-1996	water level decrease
Well 204	T21S.R04E.14.114	1989-1995	water level decrease
Well 205	T21S.R05E.02.341	1972-1996	water level decrease
Well 206	T21S.R05E.01.224	1972-1996	water level decrease
Well 207	T20S.R05E.34.133	1967-1996	slight water level increase
Well 208	T20S.R05E.23.213	1967-1996	water level increase
Well 209	T19S.R05E.19.413	1967-1996	water level decrease
Well 210	T19S.R05E.17.333	1963-1996	water level increase
Well 211	T19S.R05E.17.334	1963-1996	none
Well 212	T19S.R05E.17.331	1963-1996	water level increase
Well 213	T17S.R04E.02.211	1967-1996	water level increase

Eastern Tularosa Basin - well used to construct hydrographs

Name	Location	Period of Record	Trend
Well 1	T11S.R09E.22.244	1957-1960	water level increase
Well 2	T11S.R09E.22.400	1976-1991	slight water level increase
Well 3	T11S.R09E.34.400	1976-1996	water level increase
Well 4	T13S.R09E.20.234	1955-1962	water level decrease
Well 5	T13S.R09E.34.430	1953-1976	water level decrease
			water level decrease
Well 6	T14S.R09E.12.220	1952-1986	none
Well 7	T14S.R09E.15.344	1956-1991	water level decrease
Well 8	T14S.R09E.22.222	1960-1984	
Well 9	T14S.R09E.23.112	1955-1991	none
Well 10	T14S.R09E.25.140	1954-1975	water level decrease
Well 11	T14S.R09E.26.422	1956-1996	water level increase
Well 12	T14S.R09E.28.121	1952-1983	water level decrease
Well 13	T14S.R09E.35.342	1956-1996	none
Well 14	T14S.R09E.36.112	1955-1984	water level decrease
Well 15	T14S.R10E.18.424	1952-1972	water level decrease
Well 16	T14S.R10E.19.130	1952-1977	water level decrease
Well 17	T14S.R10E.20.221	1955-1984	none
Well 18	T14S.R10E.29.312	1952-1984	water level decrease
Weil 19	T14S.R10E.30.123	1958-1981	slight water level increase
Well 20	T14S.R10E.31.144	1952-1998	none
Well 21	T15S.R09E.01.122	1952-1983	water level decrease
Well 22	T15S.R09E.12.4221	1976-1984	water level increase
Well 23	T15S.R09E.24.242	1952-1956	water level decrease
Well 24	T15S.R09E.24.242	1952-1981	water level increase
Well 25	T15S.R10E.06.312	1952-1969	water level decrease
Well 26	T15S.R10E.07.412	1952-1959	water level decrease
Well 27	T15S.R10E.29.100	1955-1981	none
Well 28	T15S.R10E.30.344	1952-1962	water level decrease
Well 29	T15S.R10E.32.314	1976-1996	water level increase
Well 30	T16S.R09E.03.422	1952-1981	none
Well 31	T16S.R09E.06.212	1955-1962	water level decrease
Well 32	T16S.R09E.08.222	1952-1964	water level decrease
Well 33	T16S.R09E.13.320	1952-1983	water level decrease
Well 34	T16S.R09E.25.431	1976-1996	water level increase
Well 35	T16S.R09E.26.341	1952-1967	water level increase
Well 36	T16S.R09E.35.1311	1976-1996	water level decrease
Well 37	T17S.R08E.13.113A	1960-1967	slight water level decrease
Well 38	T17S.R09E.02.331	1954-1962	water level decrease
Well 39	T17S.R09E.12.422	1954-1975	water level decrease
Well 40	T17S.R09E.24.343 B-34	1955-1988	water level decrease
Well 41	T17S.R09E.25.343	1984-1998	water level increase
Well 42	T17S.R09E.26.313	1976-1991	water level decrease
Well 43	T17S.R10E.06.114	1952-1986	water level decrease
Well 44	T17S.R10E.06.12	1954-1991	water level decrease
Well 45	T17S.R10E.18.432A	1954-1986	water level decrease
Well 46	T17S.R10E.19.321A	1954-1972	water level decrease
Well 47	T17S.R10E.19.323A	1954-1986	water level decrease
Well 48	T18S.R09E.11.144	1976-1996	water level decrease
Well 49	T18S.R09E.12.4111	1976-1996	water level decrease
[[vvc 48	1103.NU3E.12.4111	1970-1990	Water level decrease

Eastern Tularosa Basin - well used to construct hydrographs

Name	Location	Period of Record	Trend
Well 50	T18S.R09E.12.422	1976-1996	none
Well 51	T18S.R09E.23.414	1976-1991	water level decrease
Well 52	T18S.R09E.24.213	1976-1996	water level decrease
Well 53	T18S.R09E.26.214	1976-1996	water level decrease
Well 54	T18S.R09E.36.2222	1976-1991	water level decrease
Well 55	T18S.R10E.18.224	1954-1996	water level decrease
Well 101	T21S.R08E.26.142	1989-1996	water level decrease
Well 113	T16S.R09E.35.133	1976-1996	water level decrease
Well 114	T16S.R09E.35.132	1976-1996	none
Well 115	T16S.R09E.25.442	1976-1996	water level increase
Well 118	T14S.R09E.25.342	1956-1996	water level increase
Well 119	T14S.R09E.26.222	1976-1996	water level increase
Well 120	T11S.R10E.06.431	1957-1996	slight water level increase
Well 121	T11S.R10E.07.234	1956-1996	slight water level increase

Northern Tularosa Basin - wells used to construct hydrographs

Name	Location	Period of Record	Trend
Well 65	T09S.R08E.35.141	1976-1996	water level increase
Well 69	T08S.R09E.34.333	1957-1996	water level increase
Well 73	T08S.R10E.09.122A	1976-1996	slight water level increase
Weil 74	T08S.R11E.06.431	1959-1996	slight water level increase
Well 75	T08S.R10E.03.134	1976-1996	water level increase
Well 76	T08S.R10E.04.123	1976-1996	water level increase
Well 77	T06S.R10E.06.111	1976-1996	slight water level decrease
Well 78	T05S.R10E.27.221	1976-1996	water level decrease
Well 79	T05S.R10E.27.112	1976-1996	water level decrease

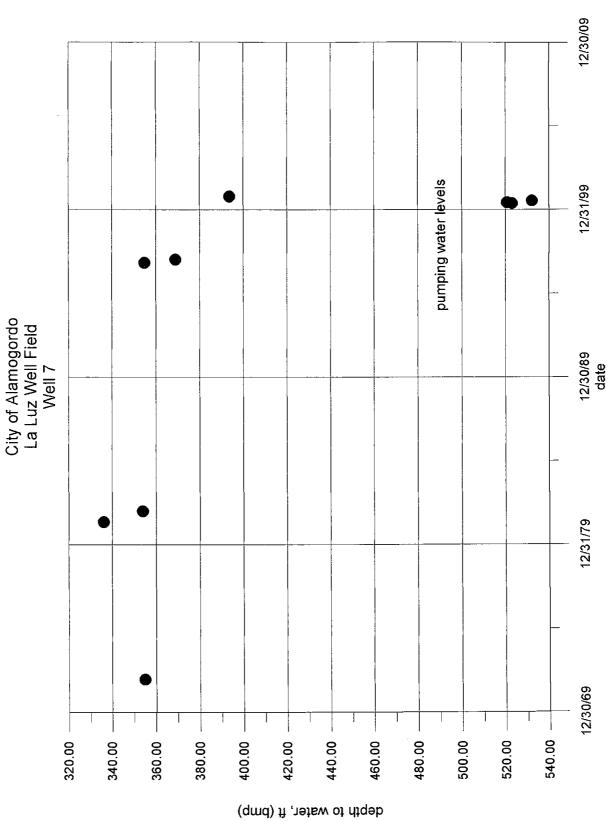
Salt Basin - wells used to construct hydrographs

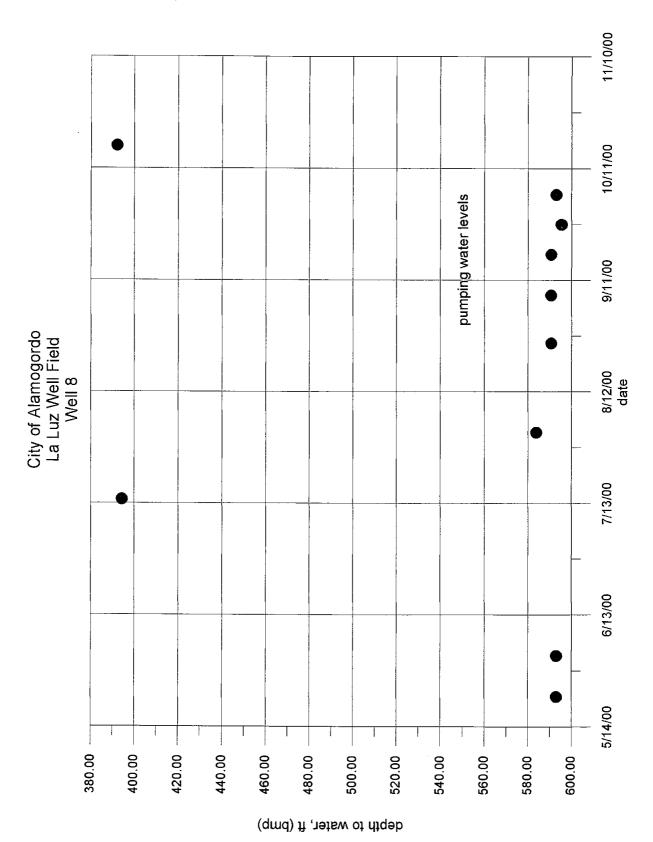
Name	Location	Period of Record	Trend
Well 80	T26S.R18E.33.133	1956-2000	water level decrease
Well 82	T26S.R18E.30.312	1955-2000	water level decrease
Well 83	T26S.R18E.29.113	1956-2000	water level decrease
Well 84	T26S.R18E.30.122	1956-2000	water level decrease
Well 85	T26S.R18E.19.433	1978-2000	water level increase
Well 86	T26S.R18E.21.411	1978-2000	water level decrease
Well 87	T26S.R18E.21.331	1956-2000	water level decrease
Well 88	T26S.R18E.19.424	1978-2000	water level increase
Well 89	T26S.R18E.21.223	1978-1995	slight water level increase
Well 90	T25S.R18E.25.232	1956-2000	water level decrease
Well 91	T25S.R18E.26.111	1956-2000	water level decrease
Well 93	T25S.R18E.24.122	1978-2000	water level decrease
Well 94	T24S.R18E.36.324	1978-2000	water level decrease
Well 96	T23S.R18E.30.340	1980-2000	water level increase
Well 97	T23S.R18E.22.244	1978-2000	none

Selected Well Hydrographs

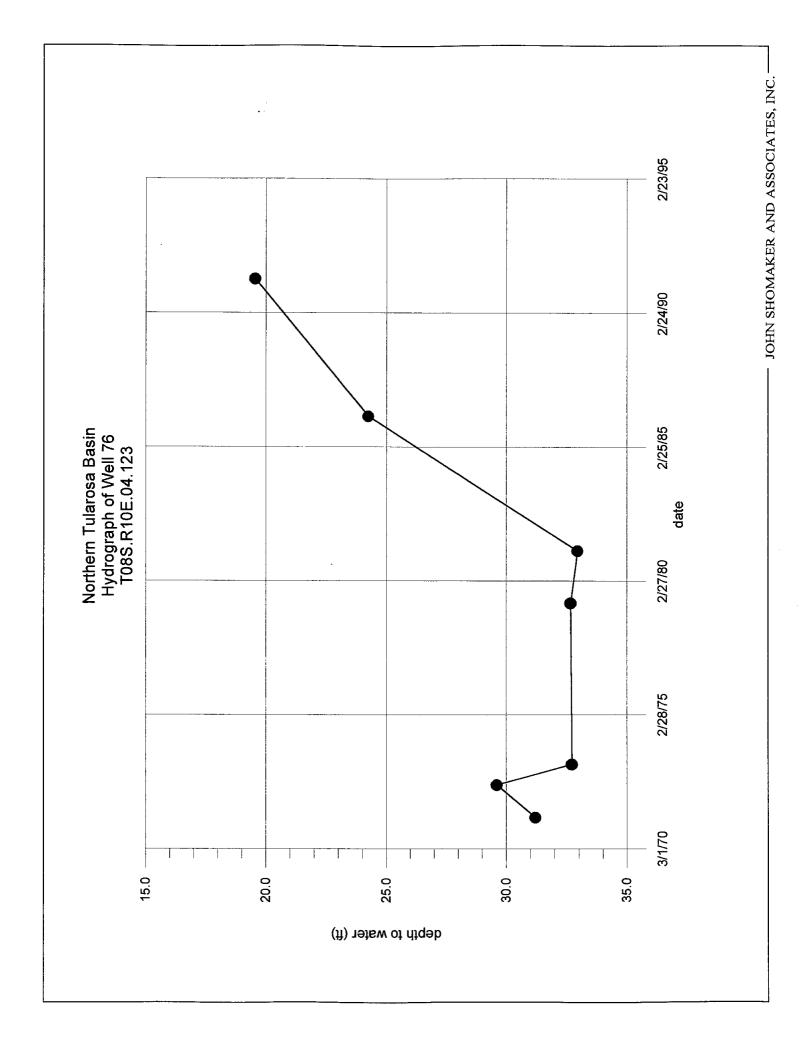
APPENDIX

6.4

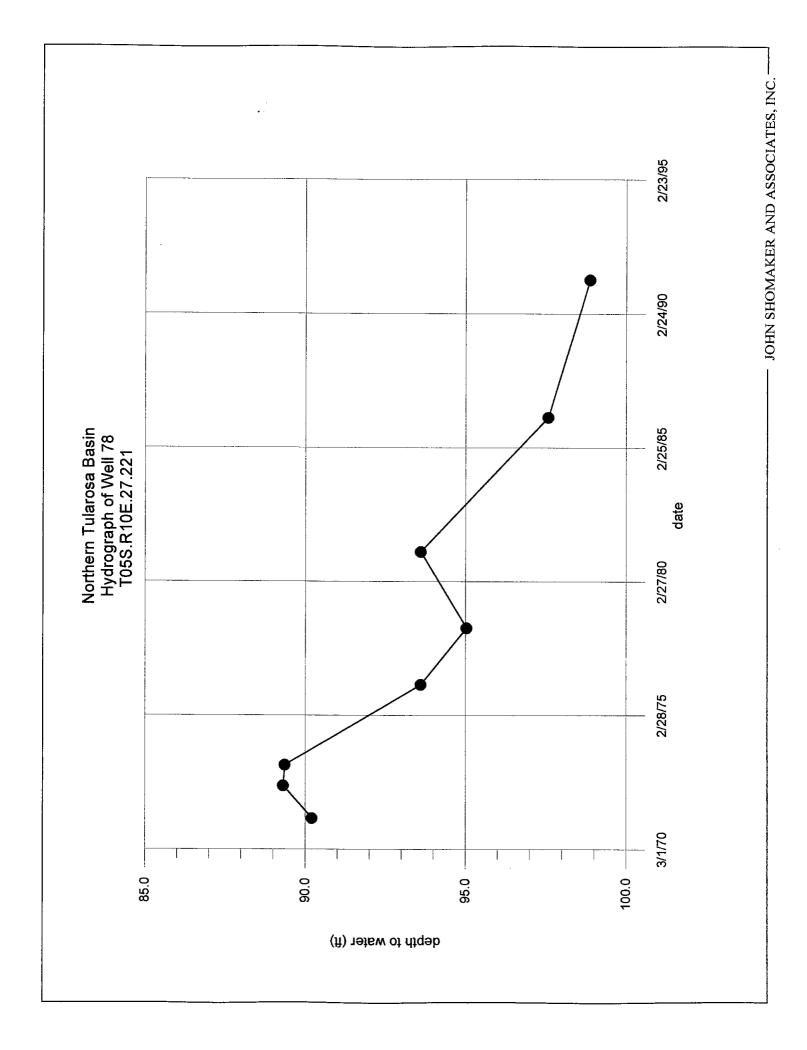


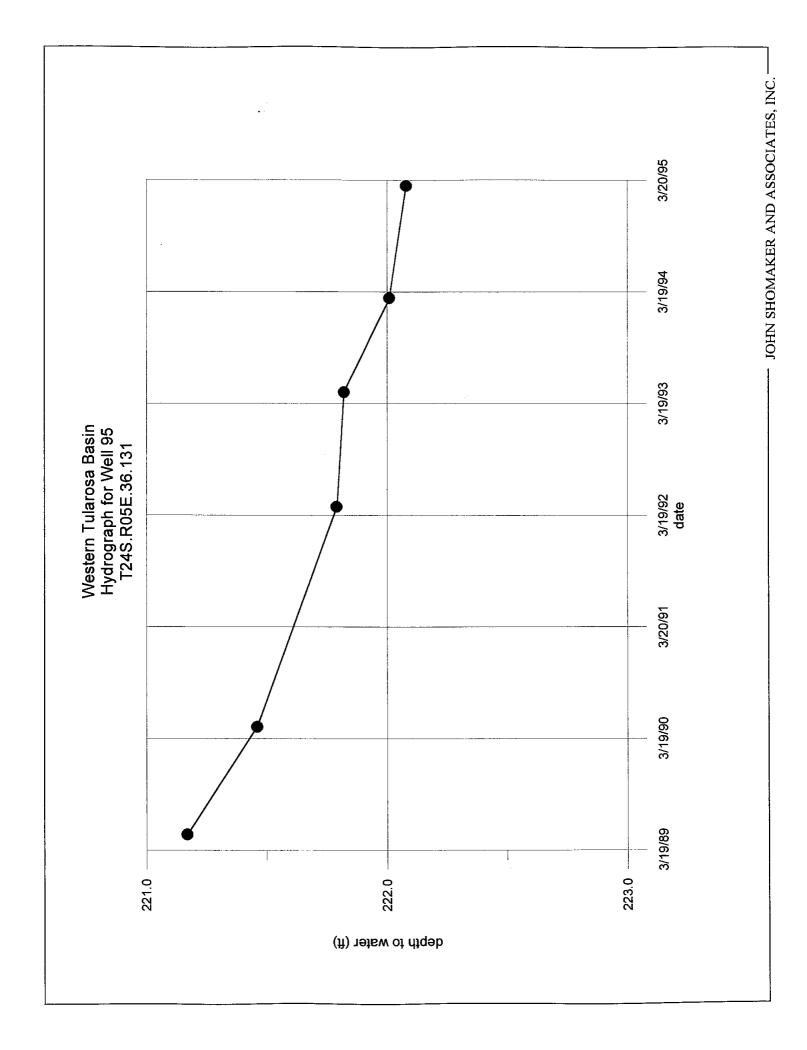


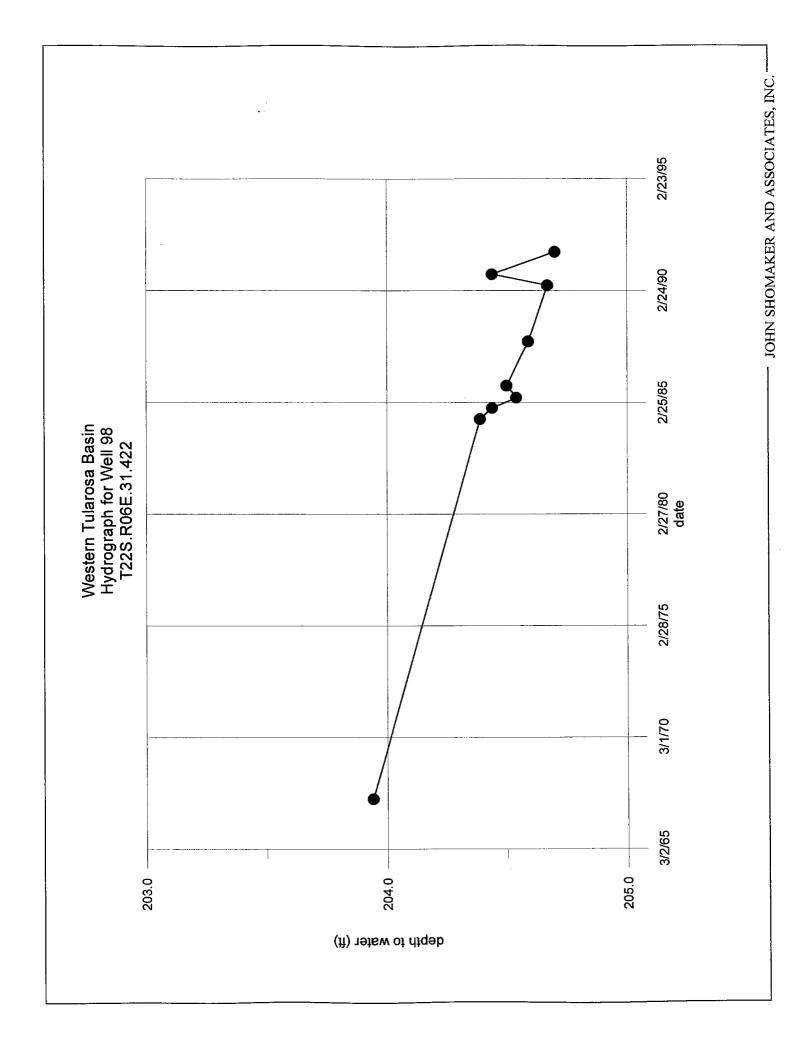
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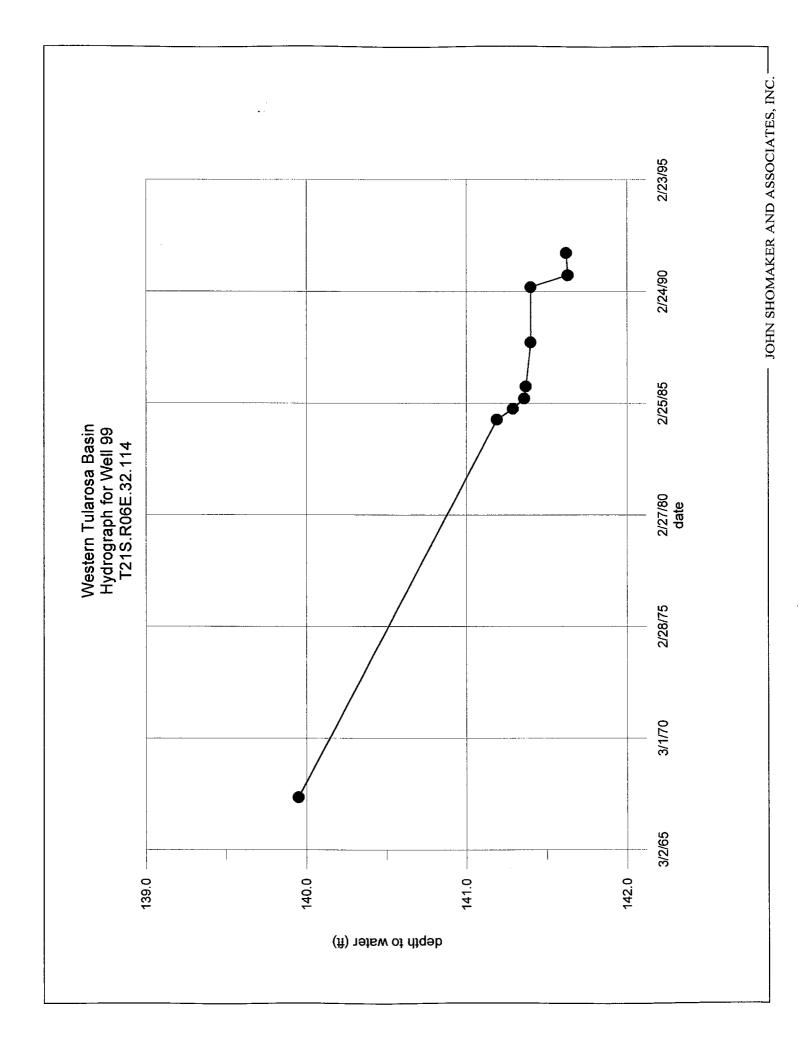


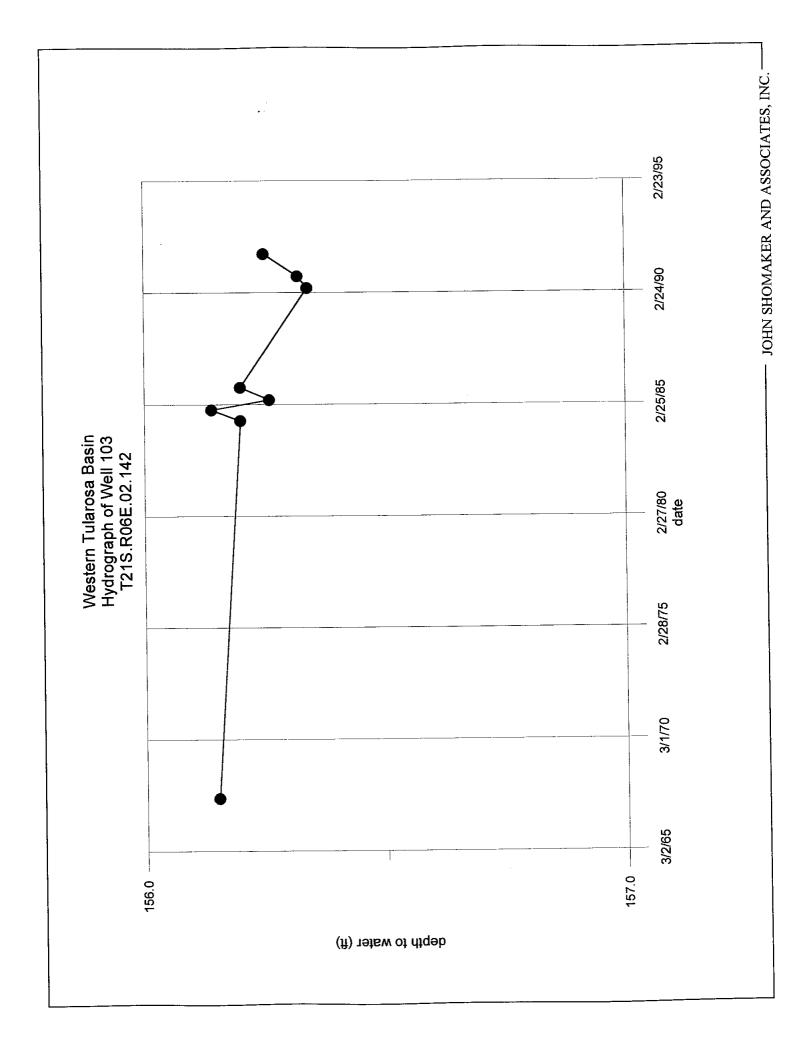
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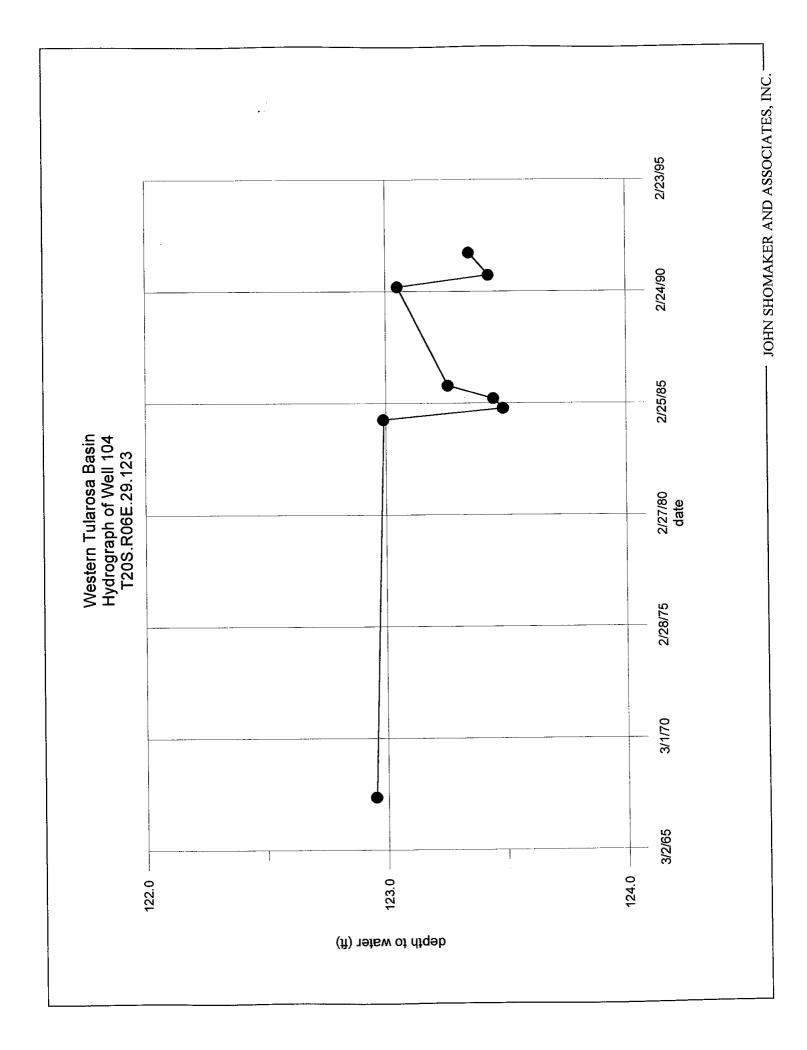


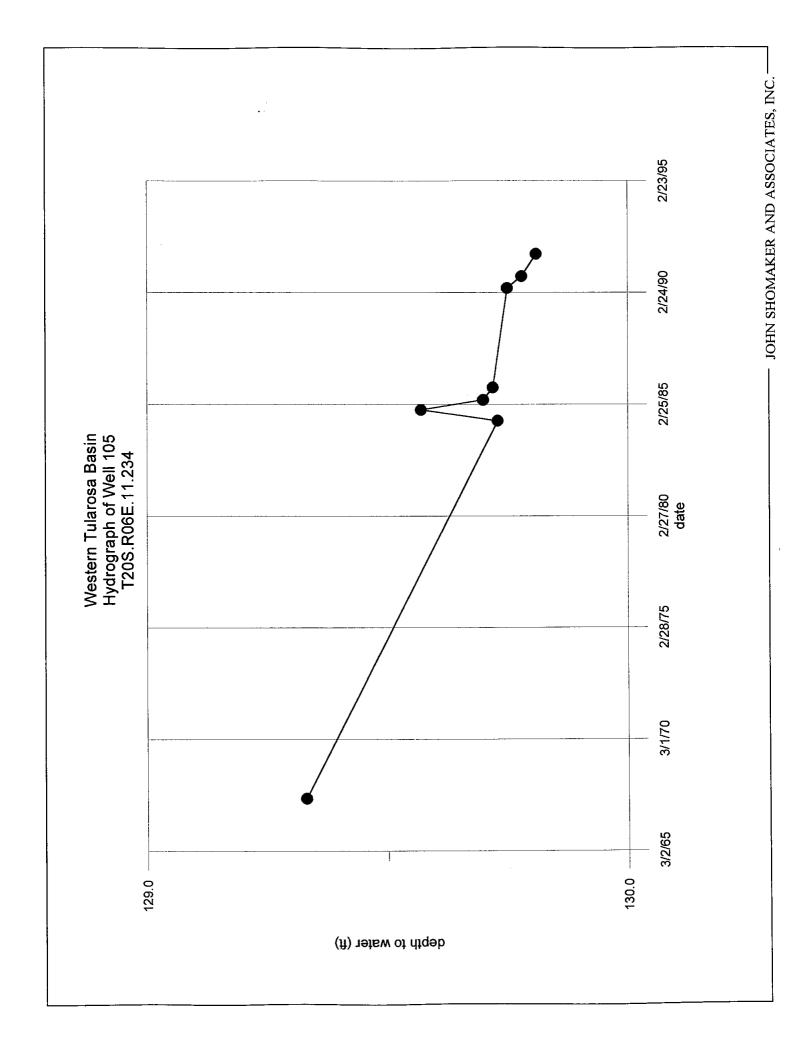


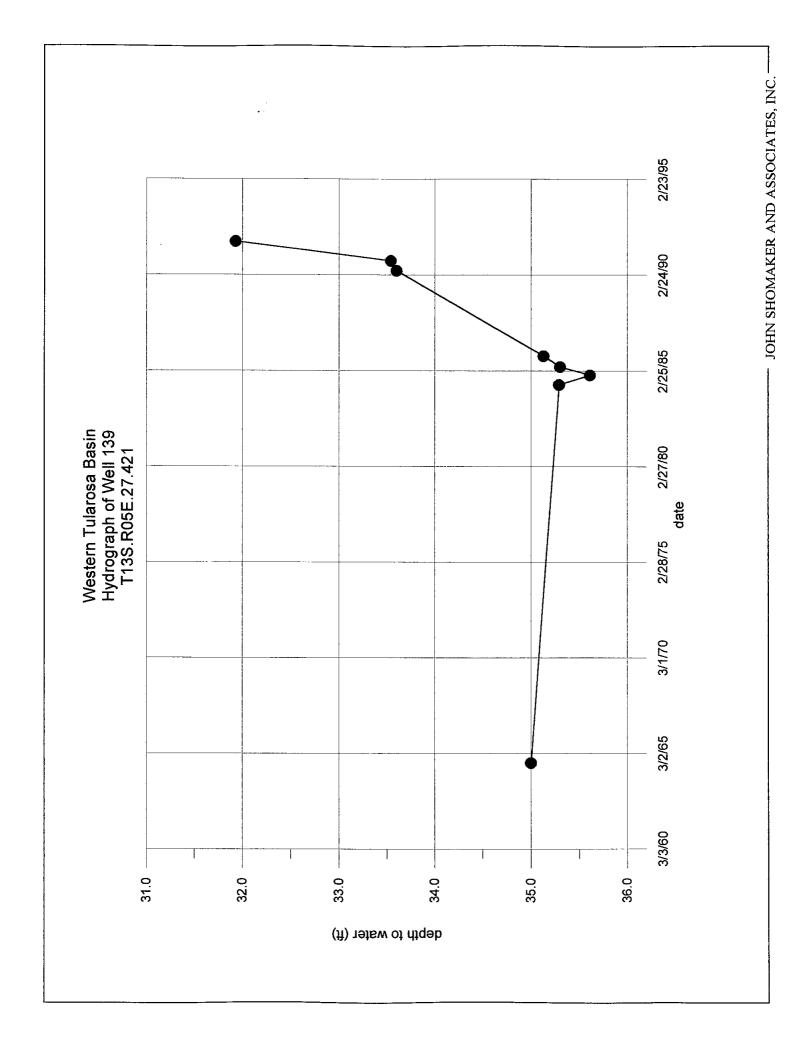


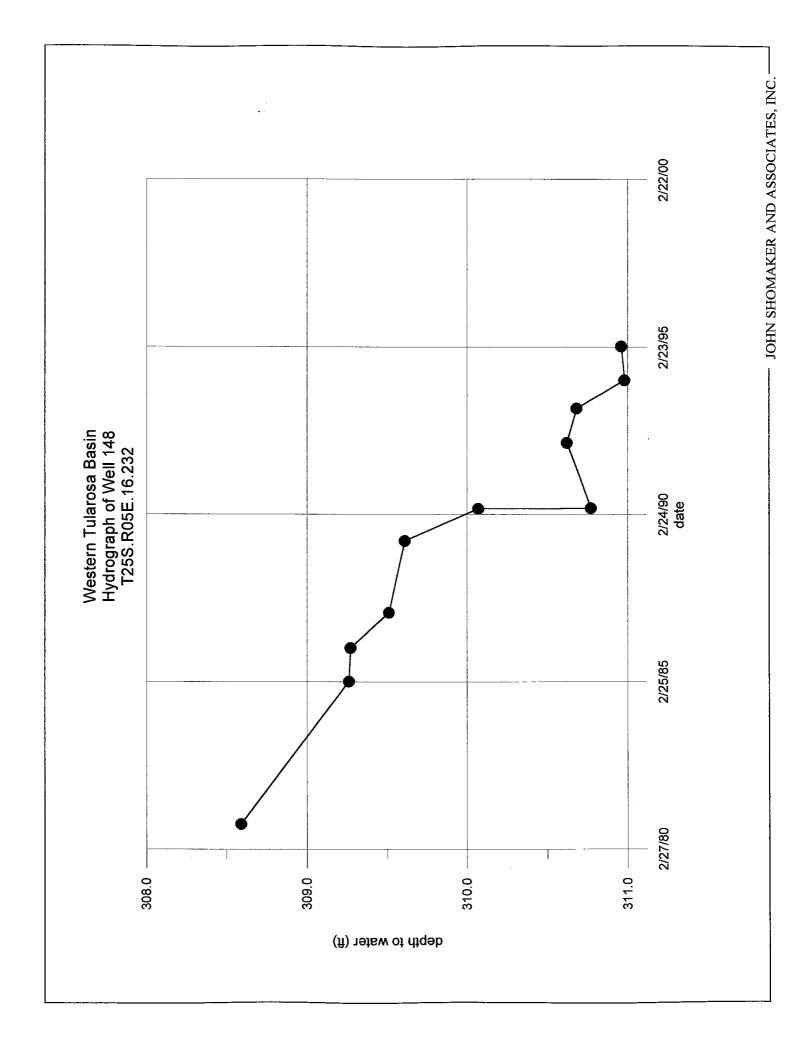


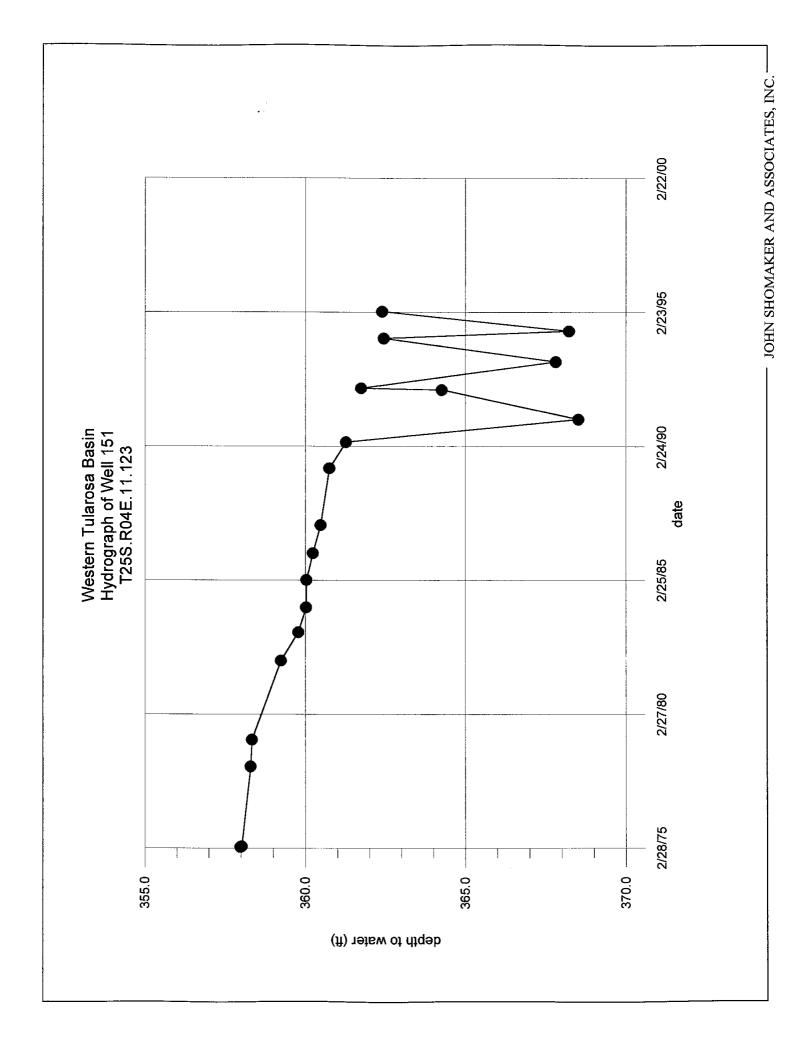


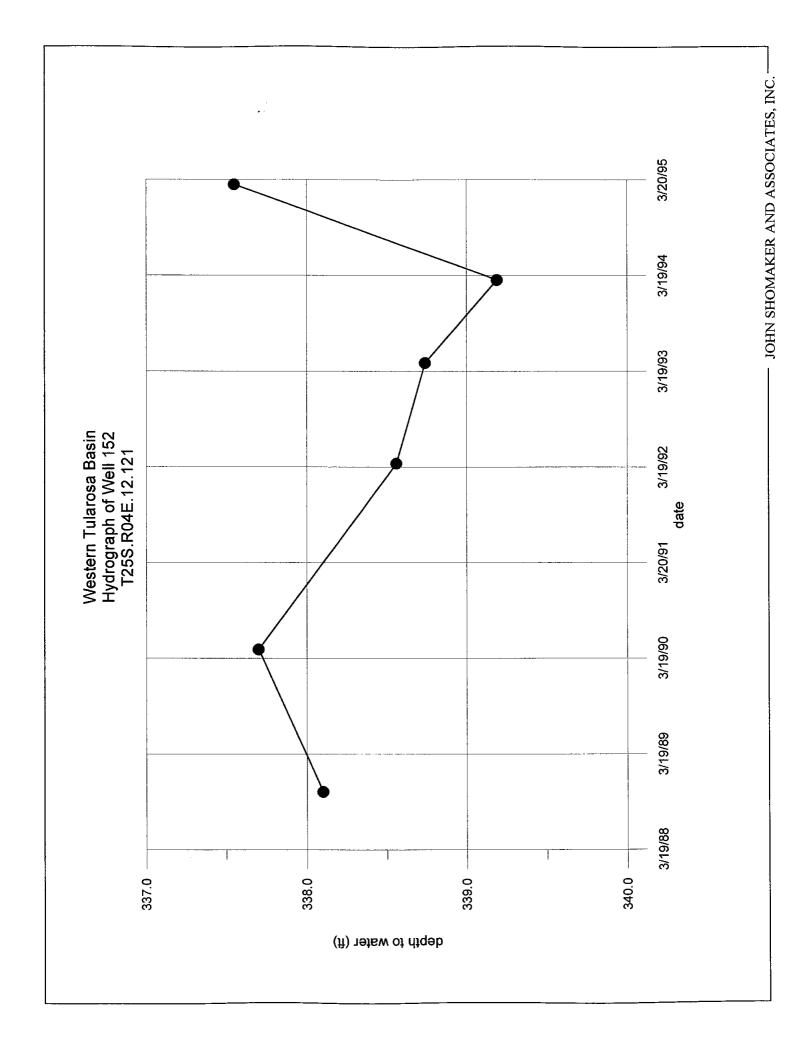


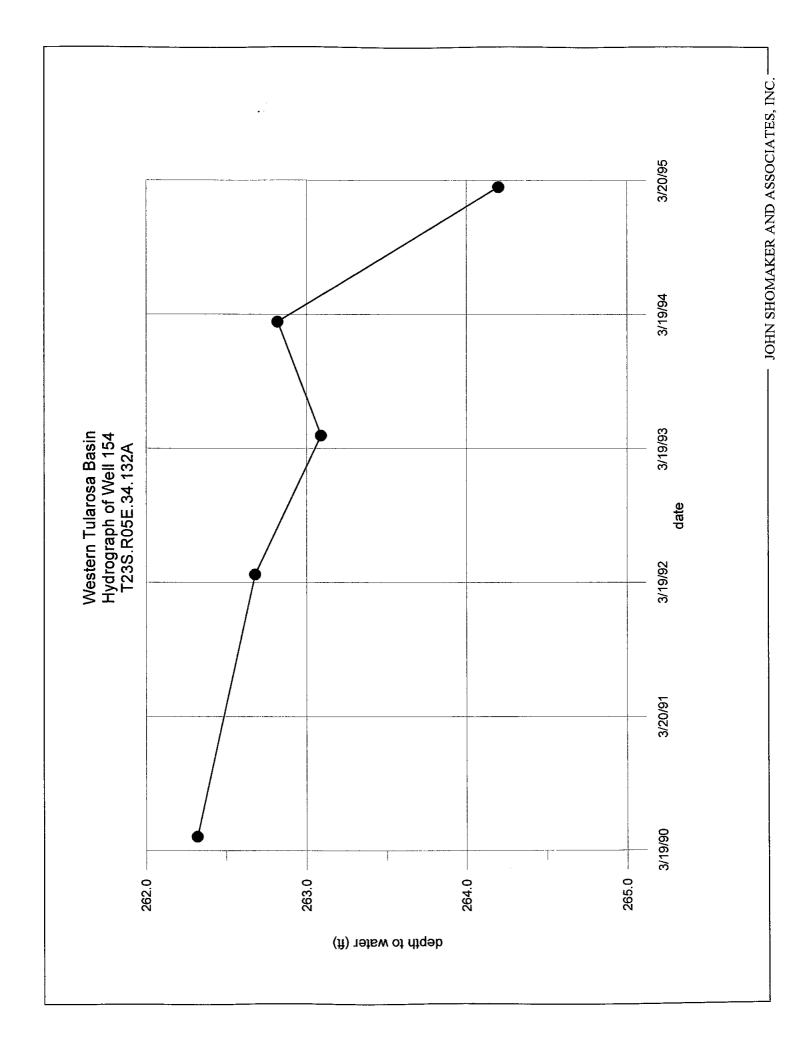


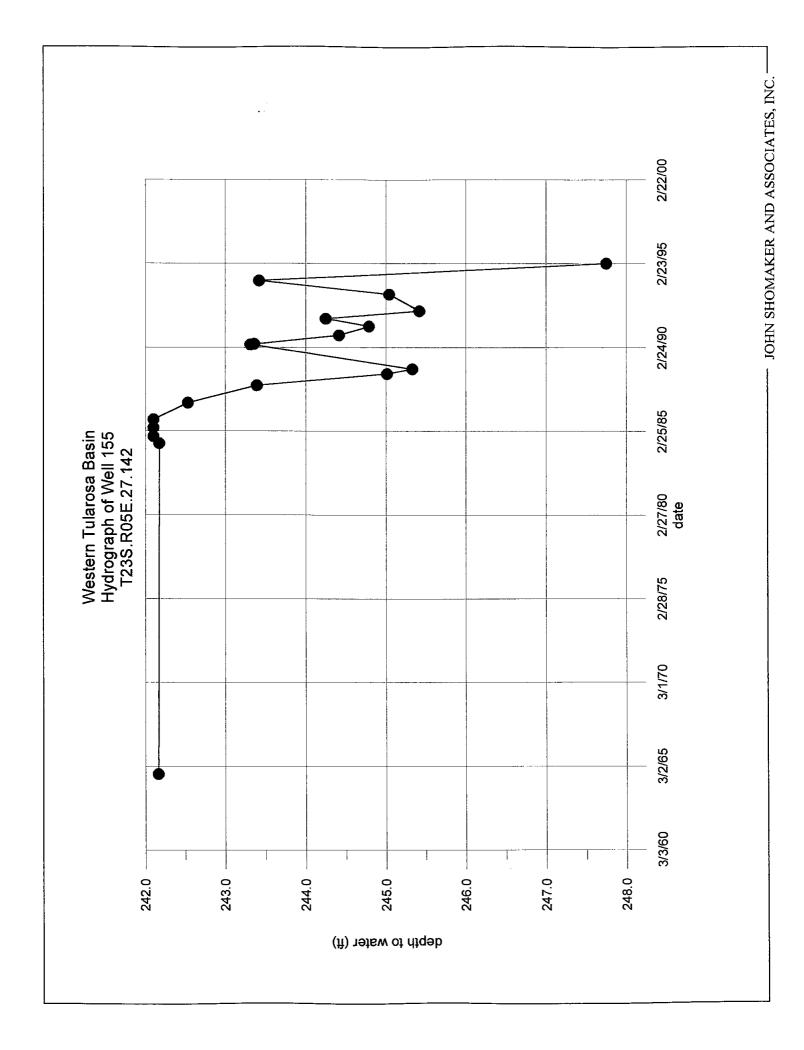


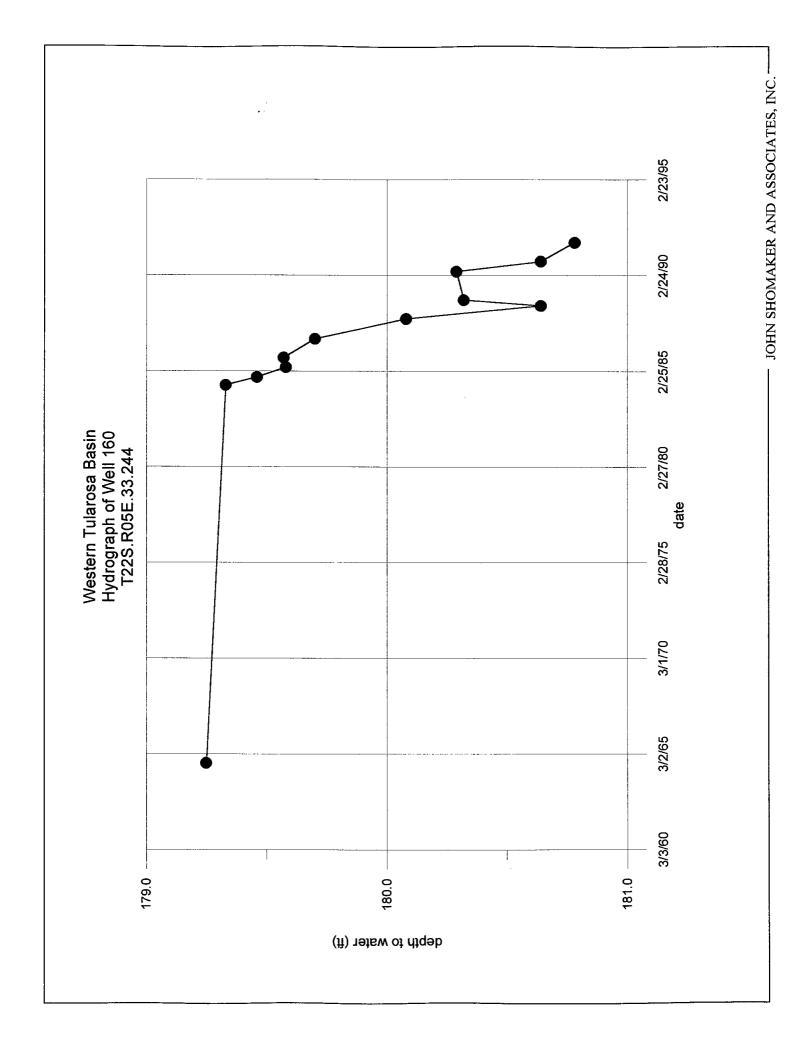


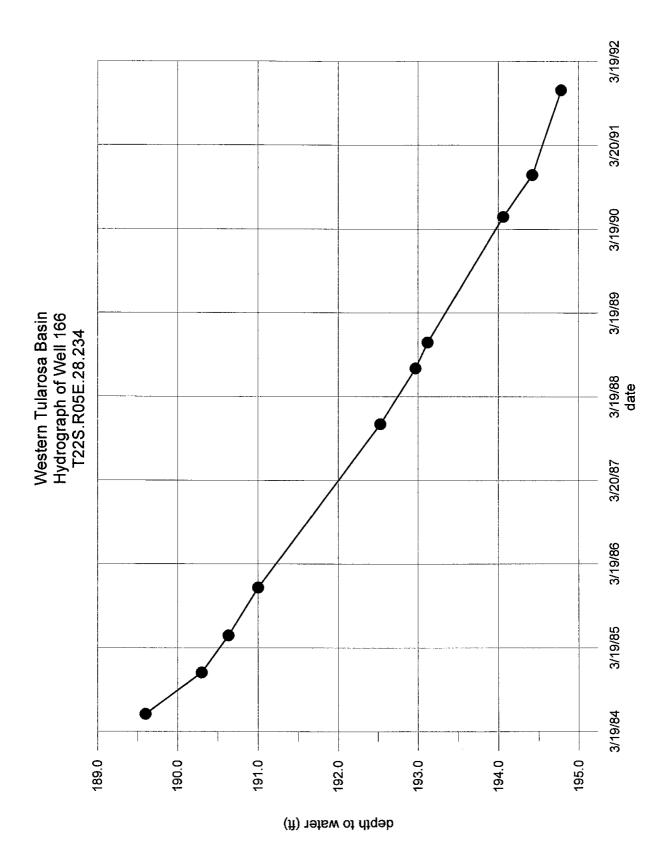


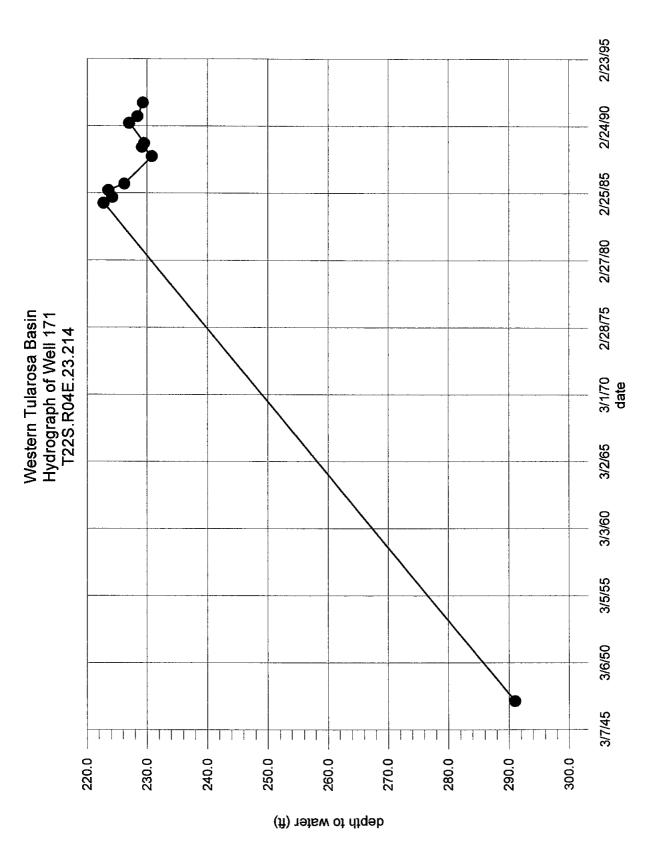


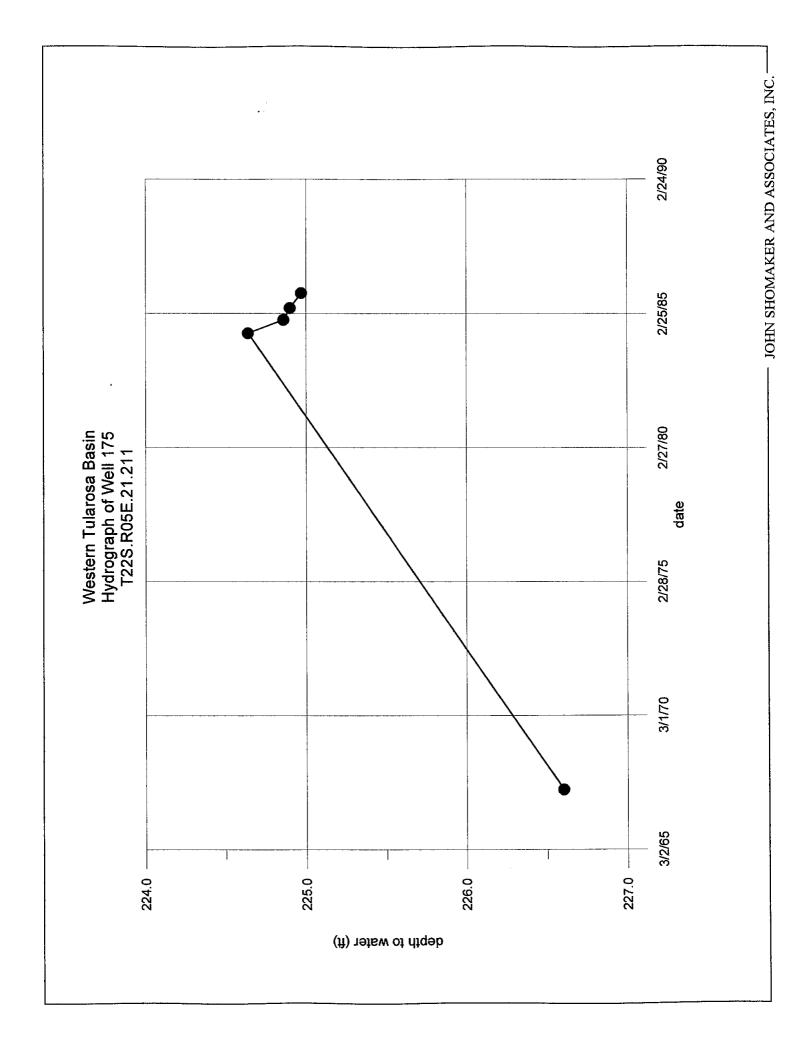




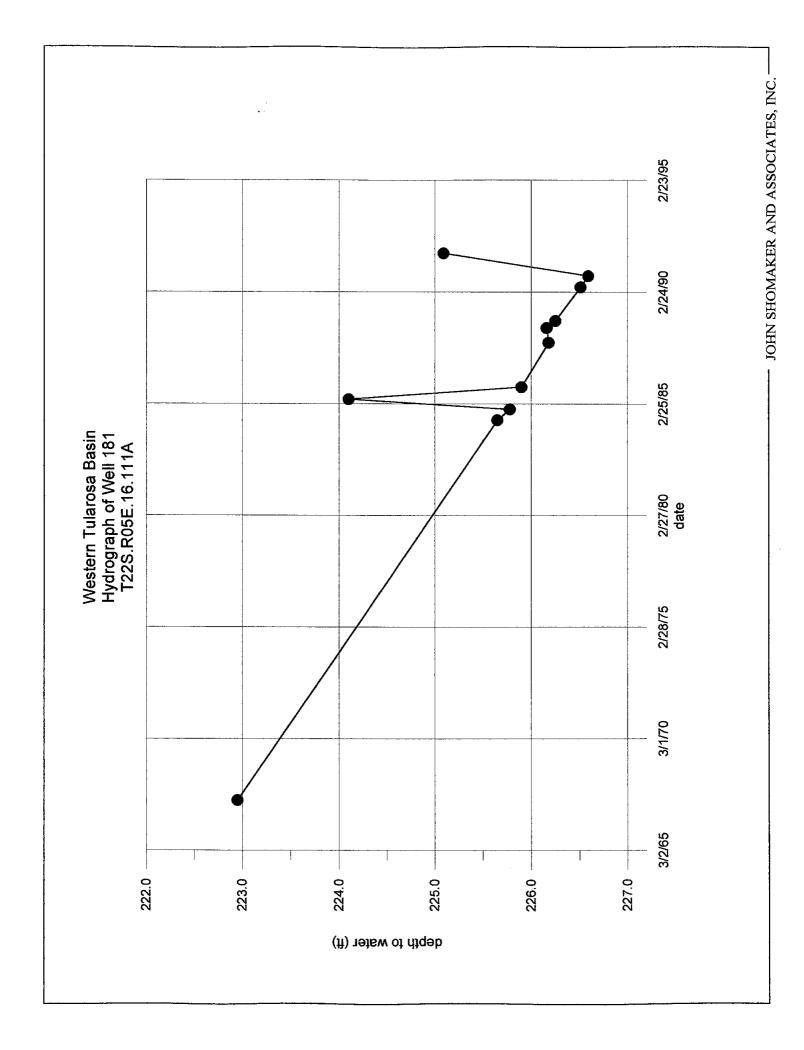




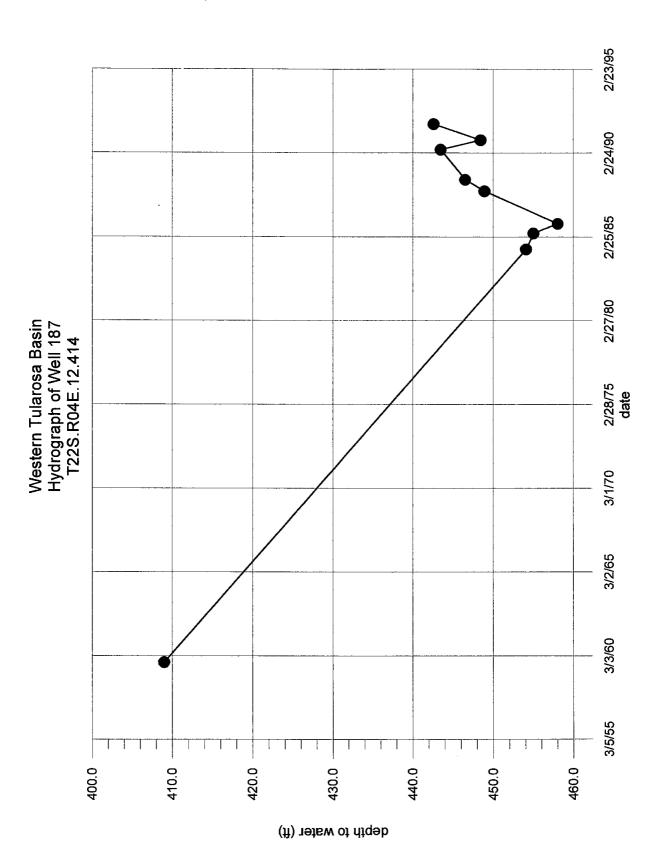


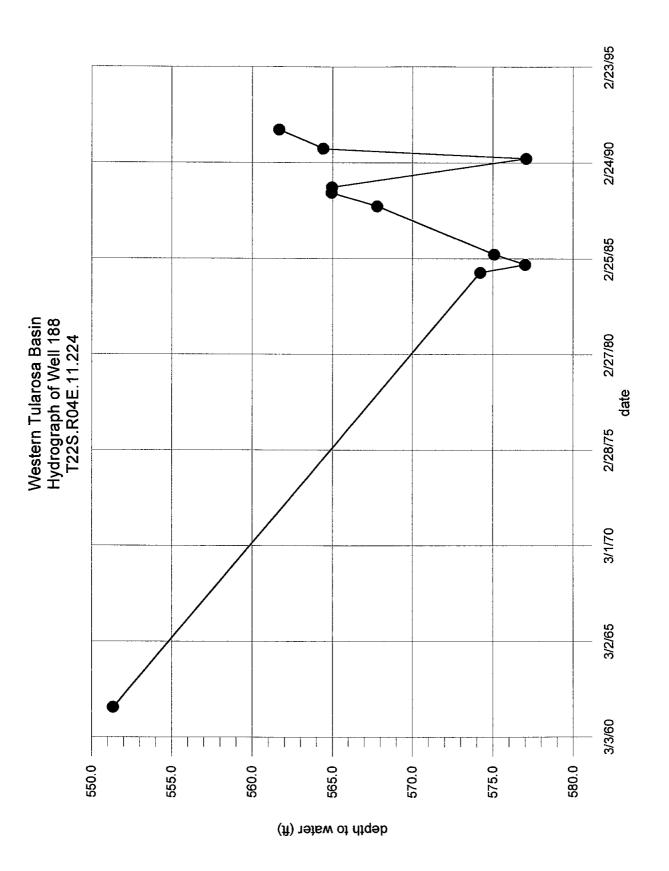


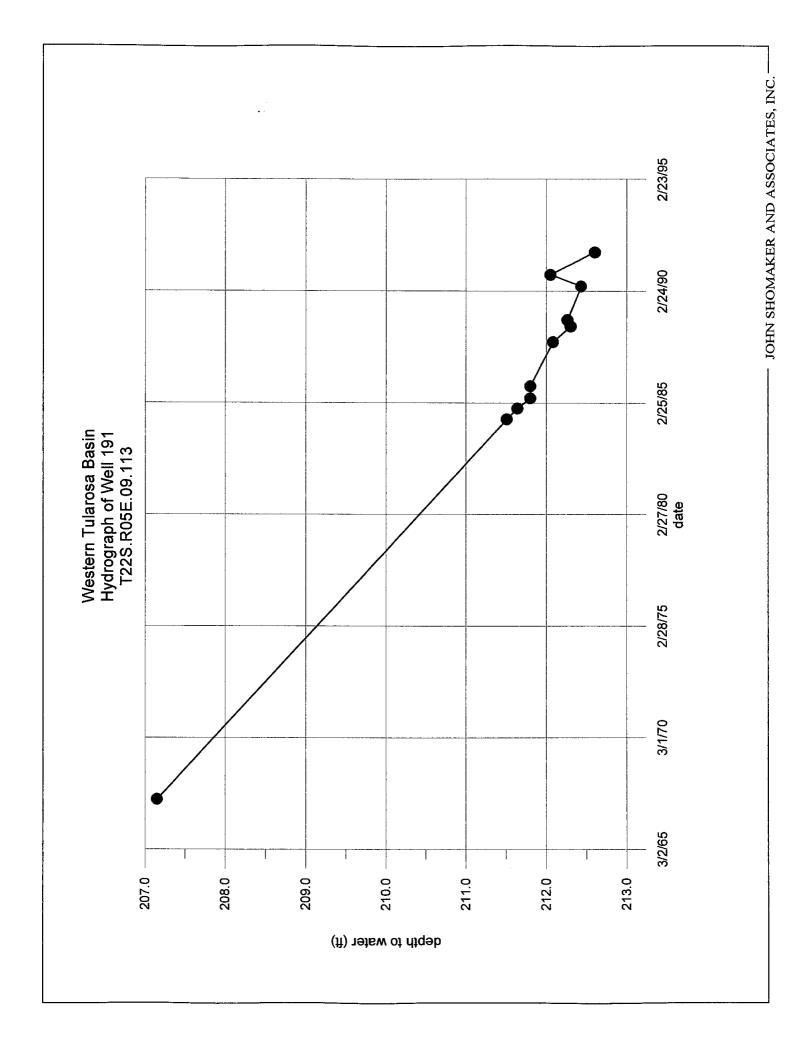
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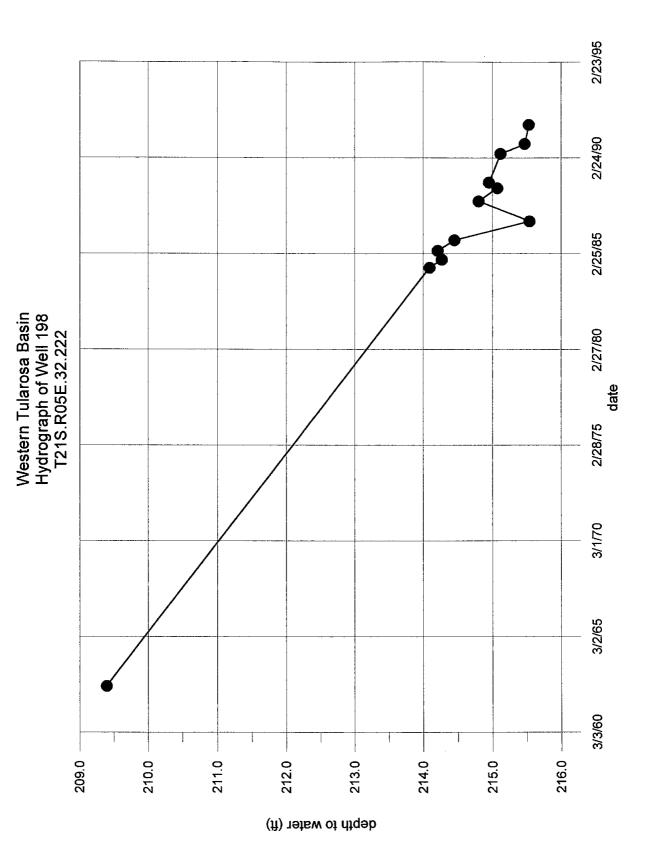


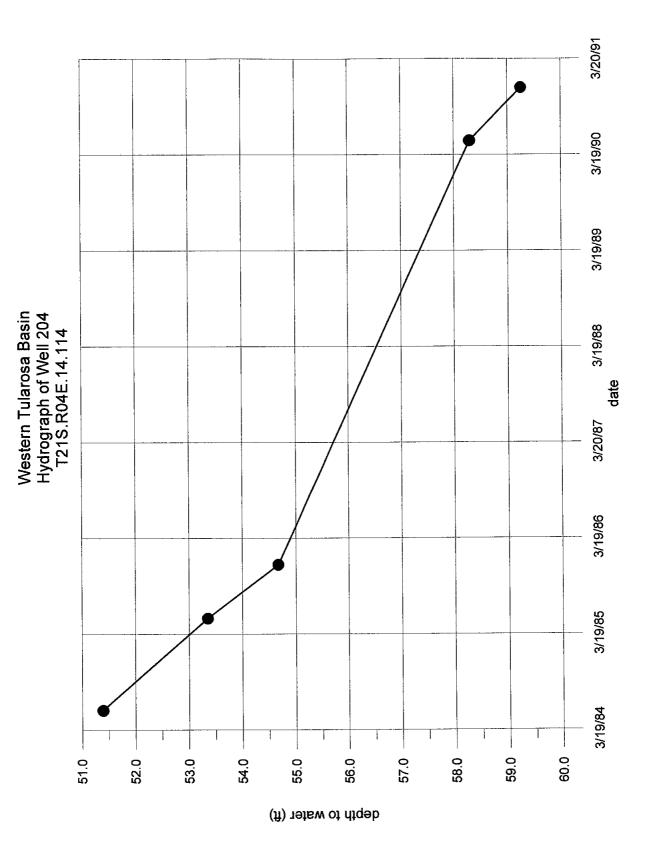
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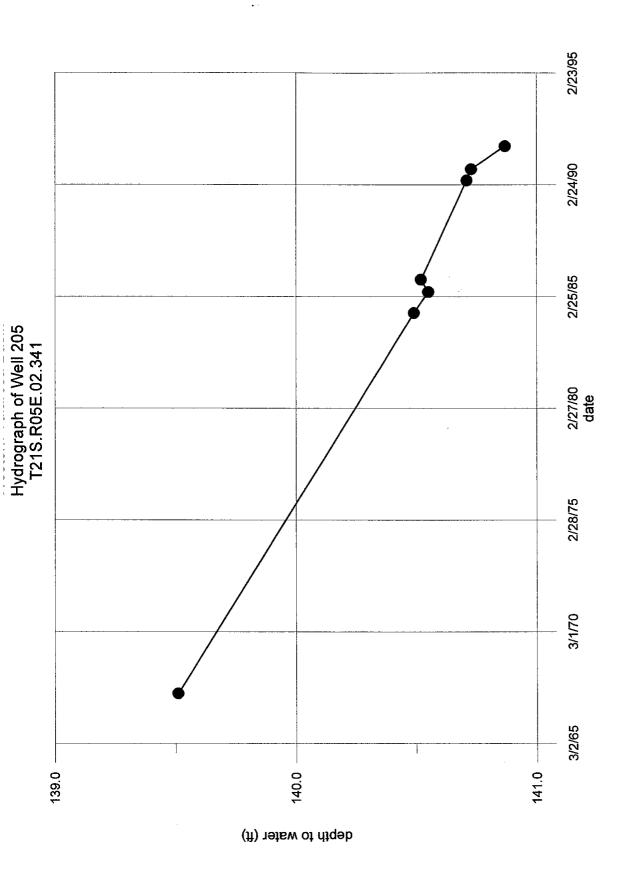


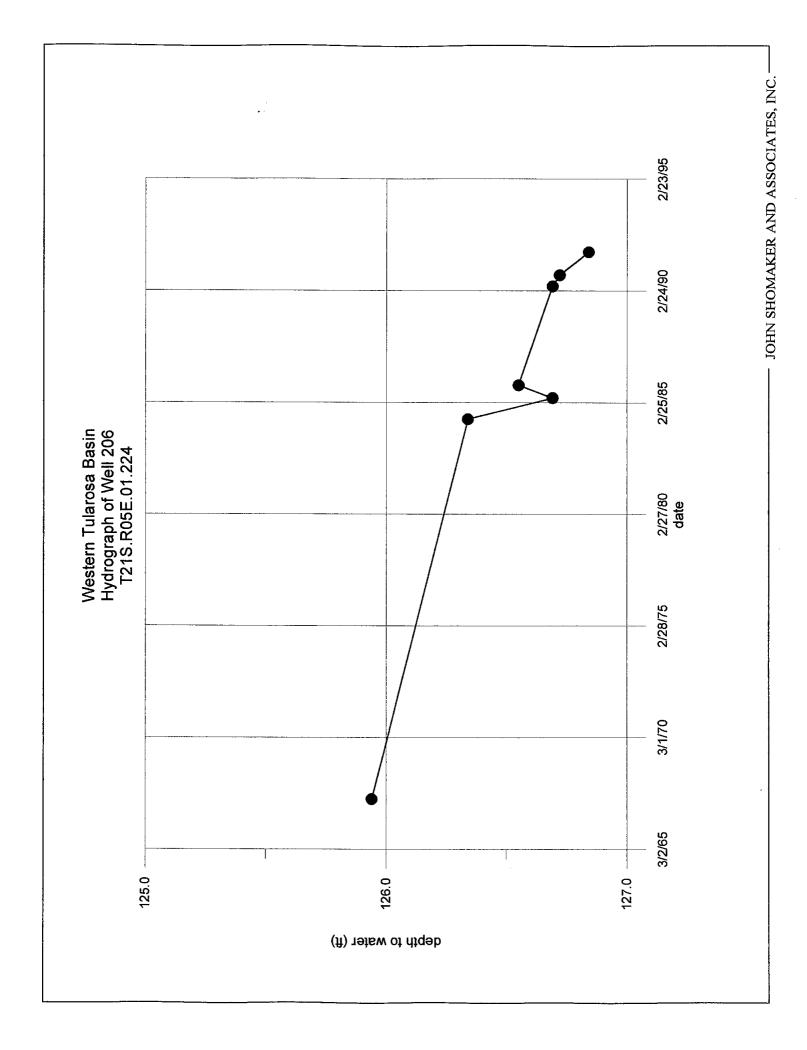




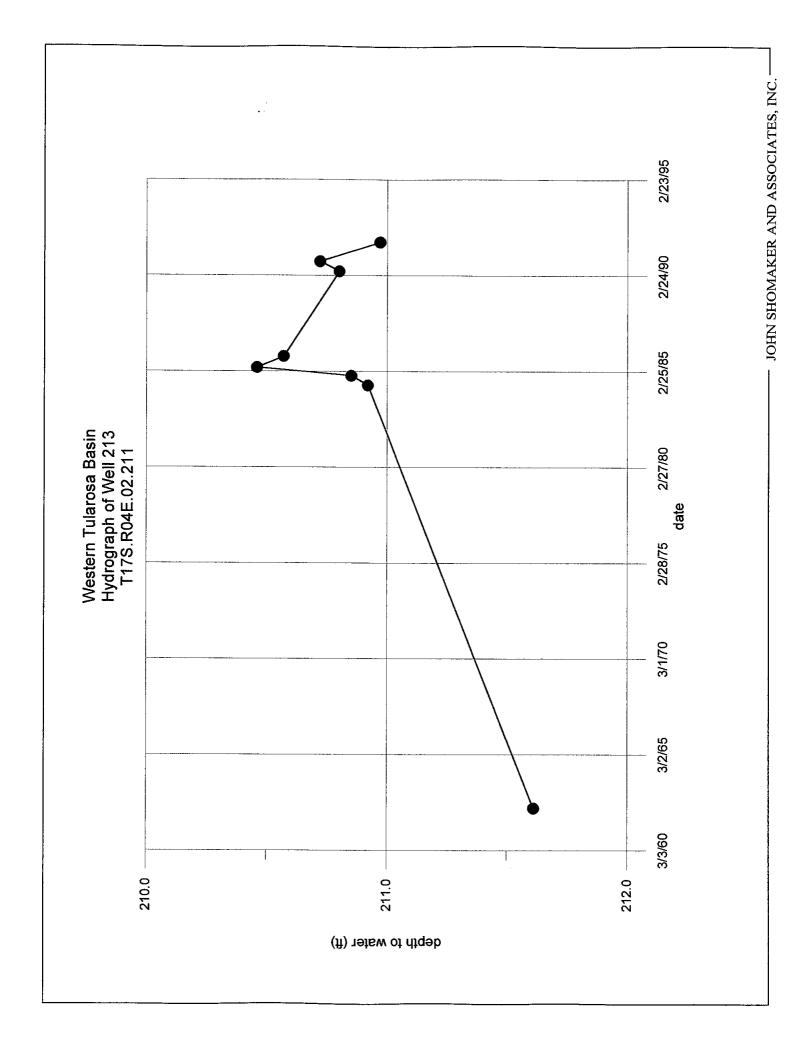


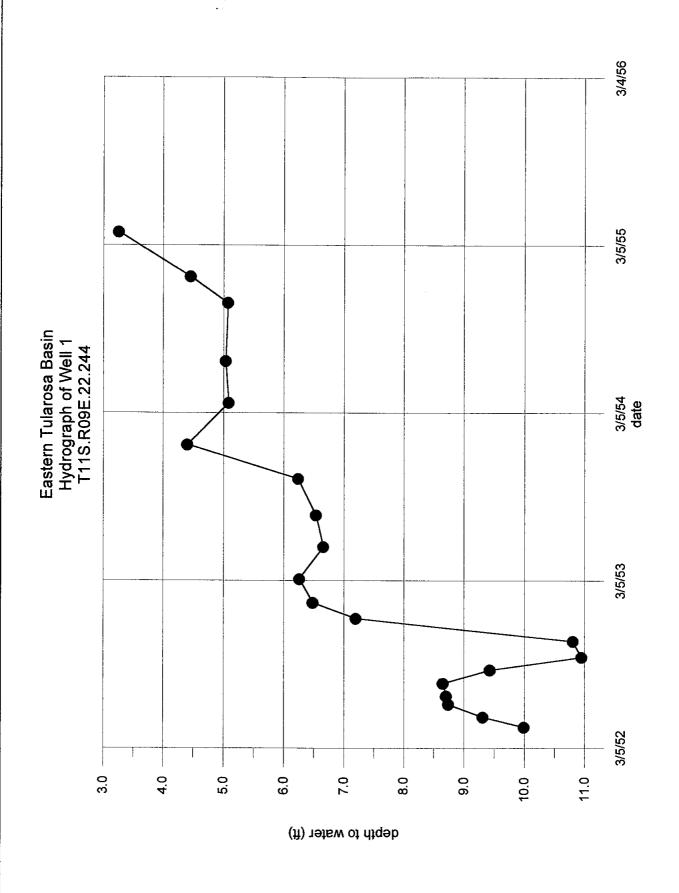
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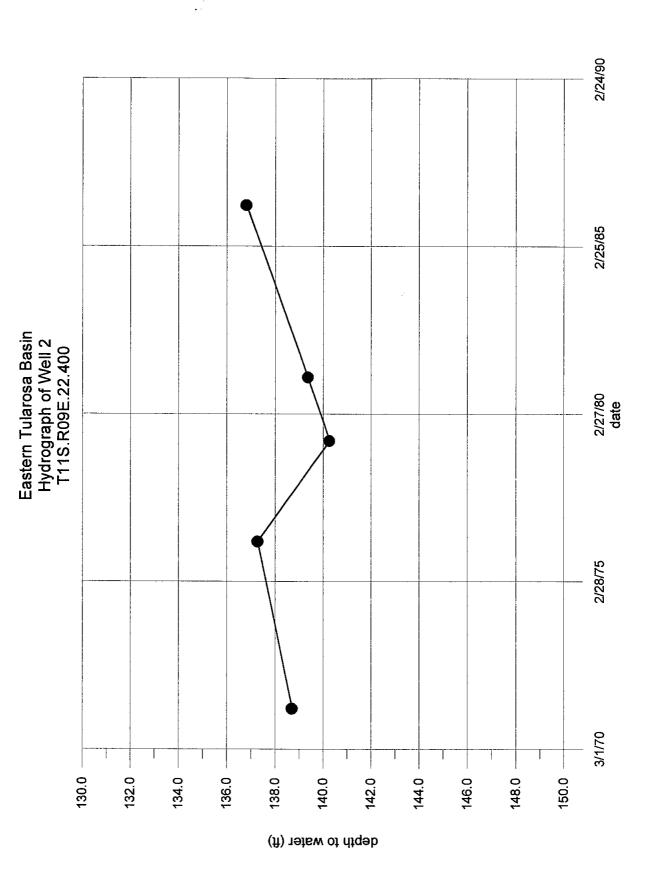


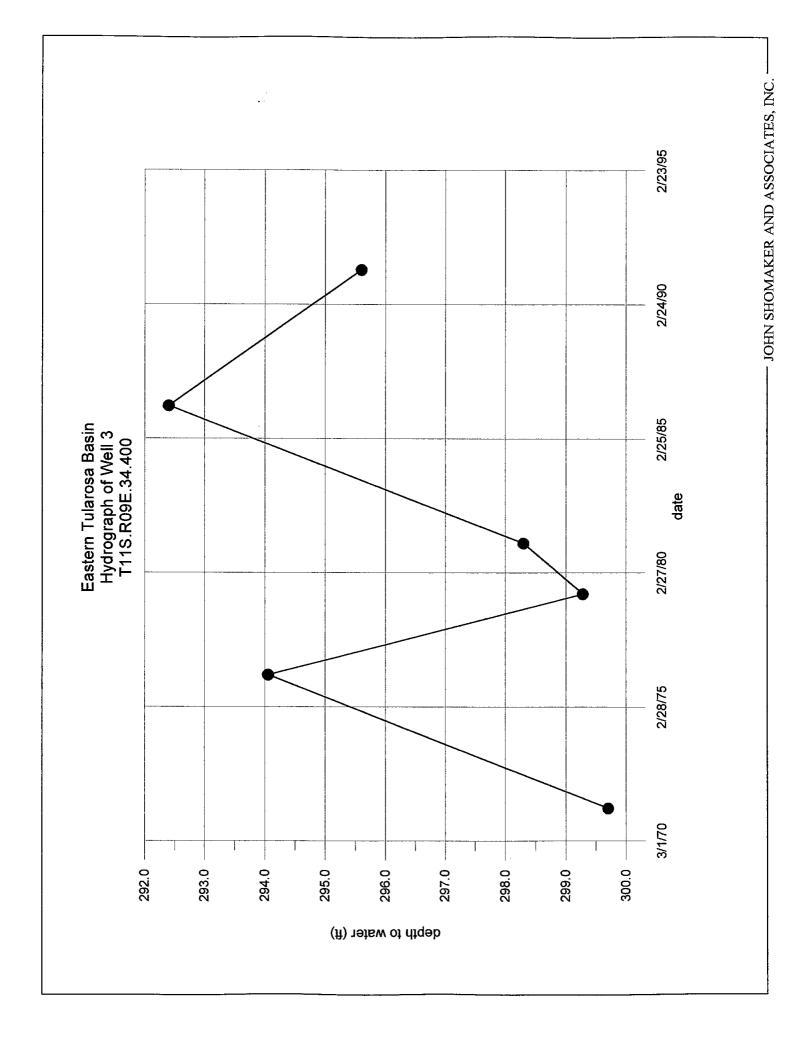


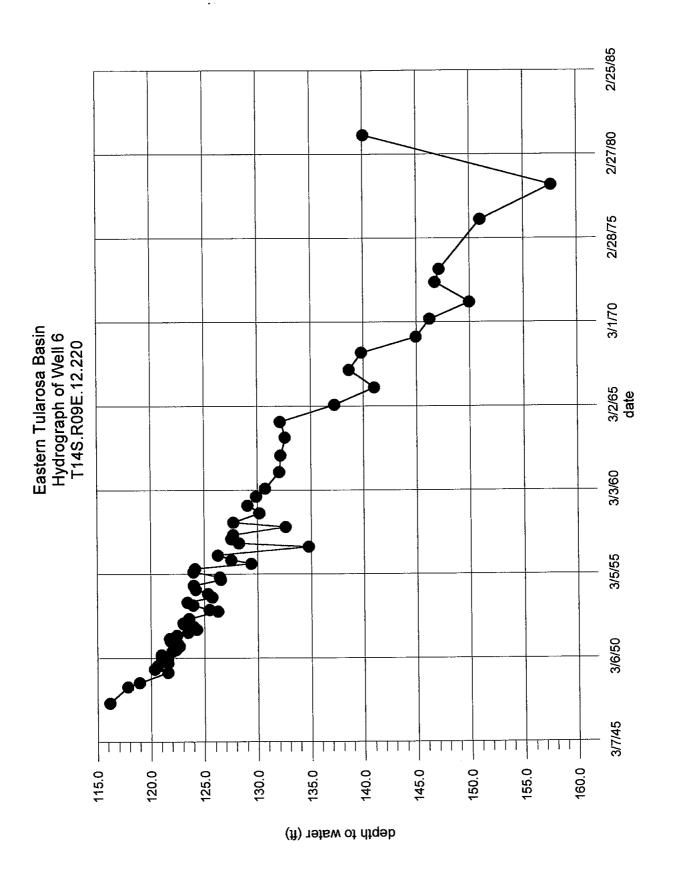
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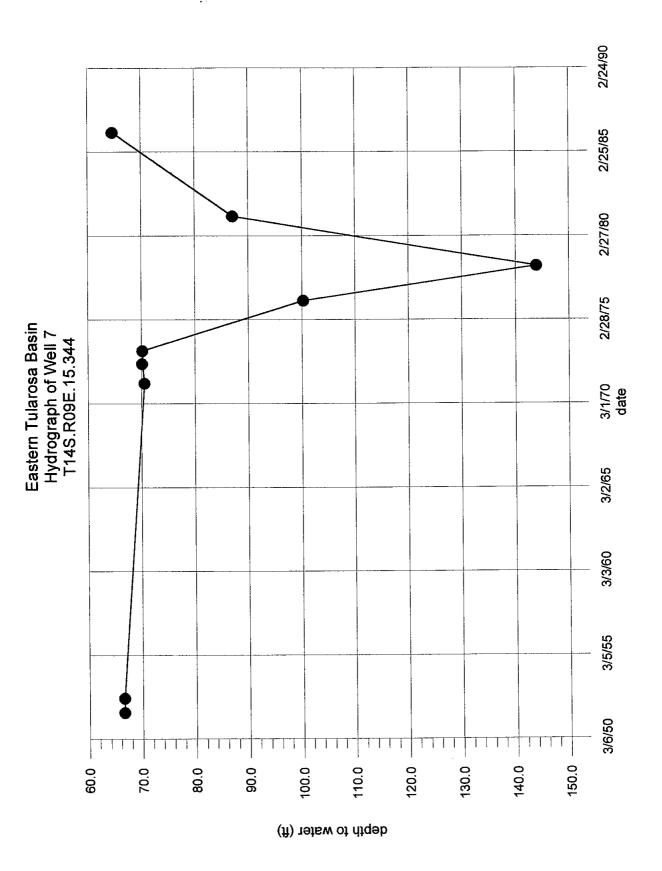


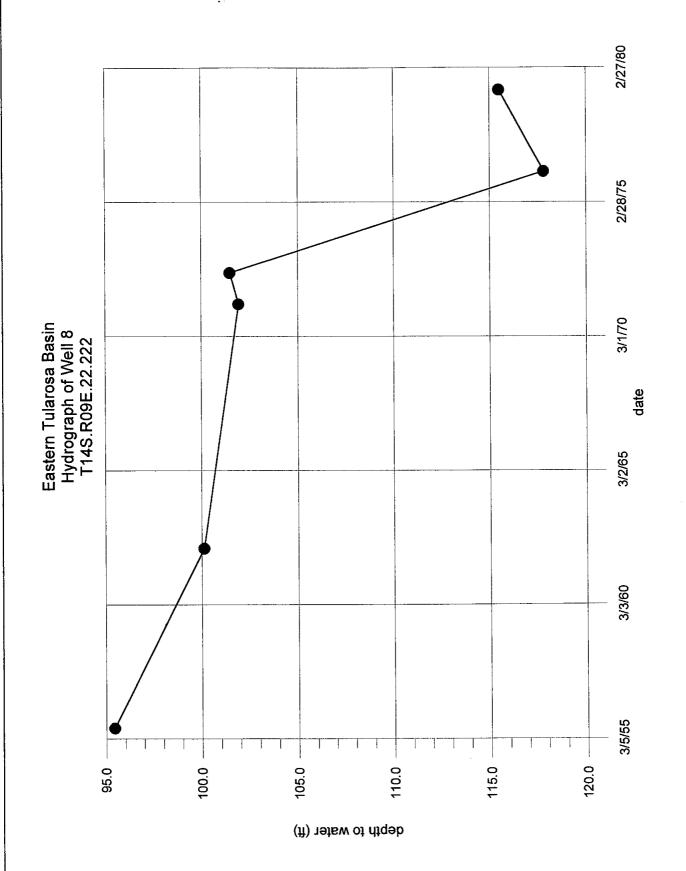


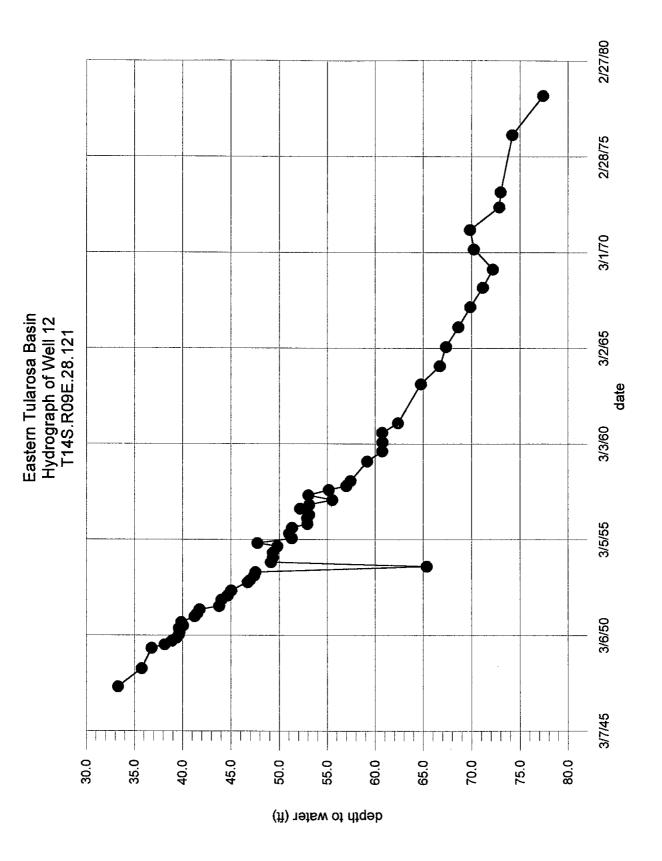












Eastern Tularosa Basin

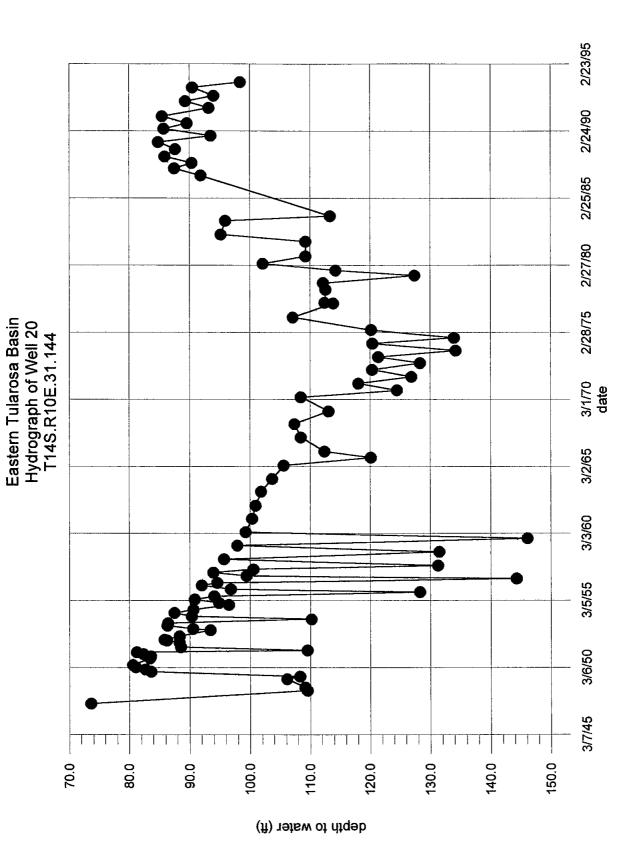
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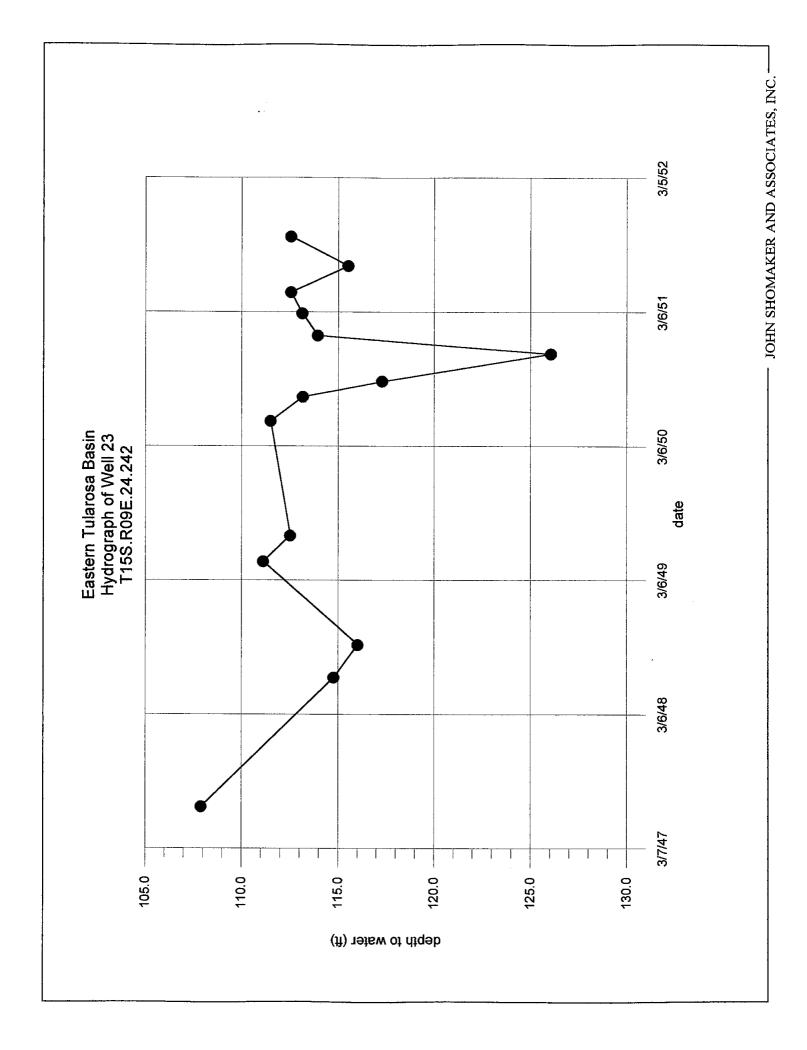
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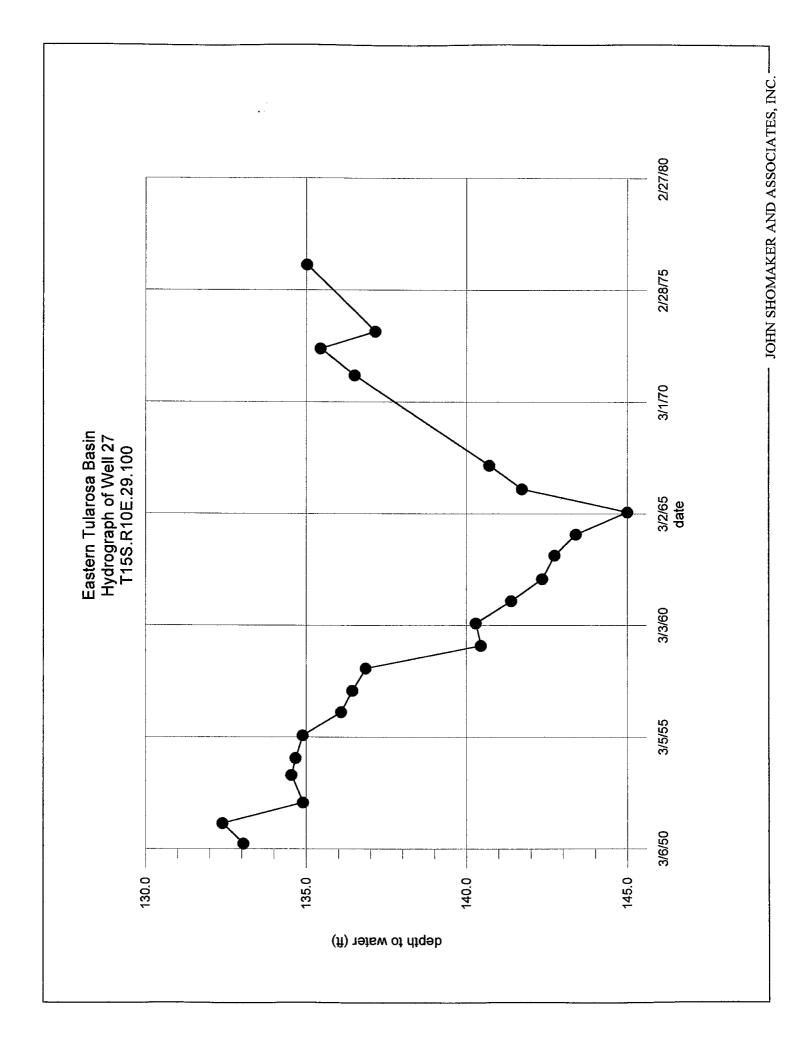
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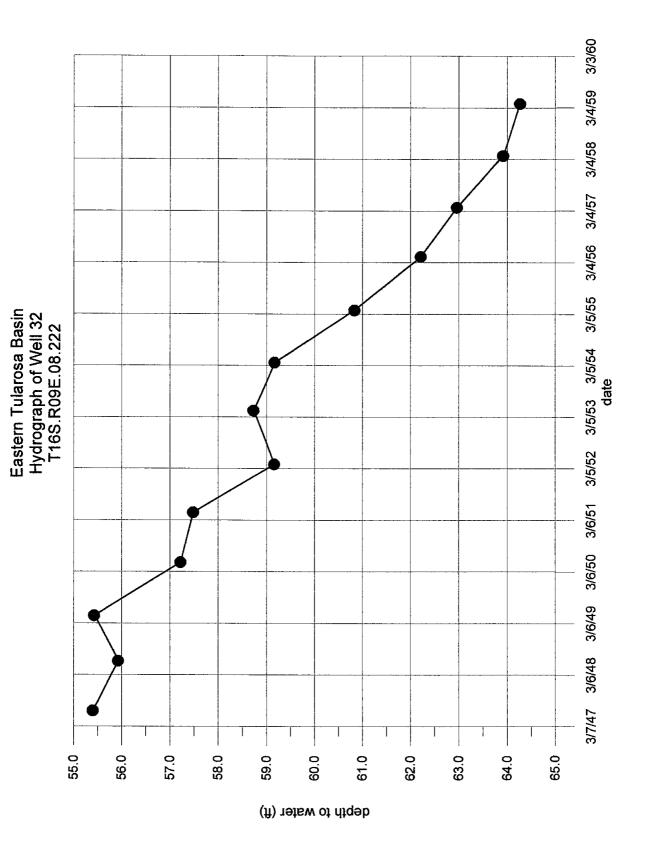
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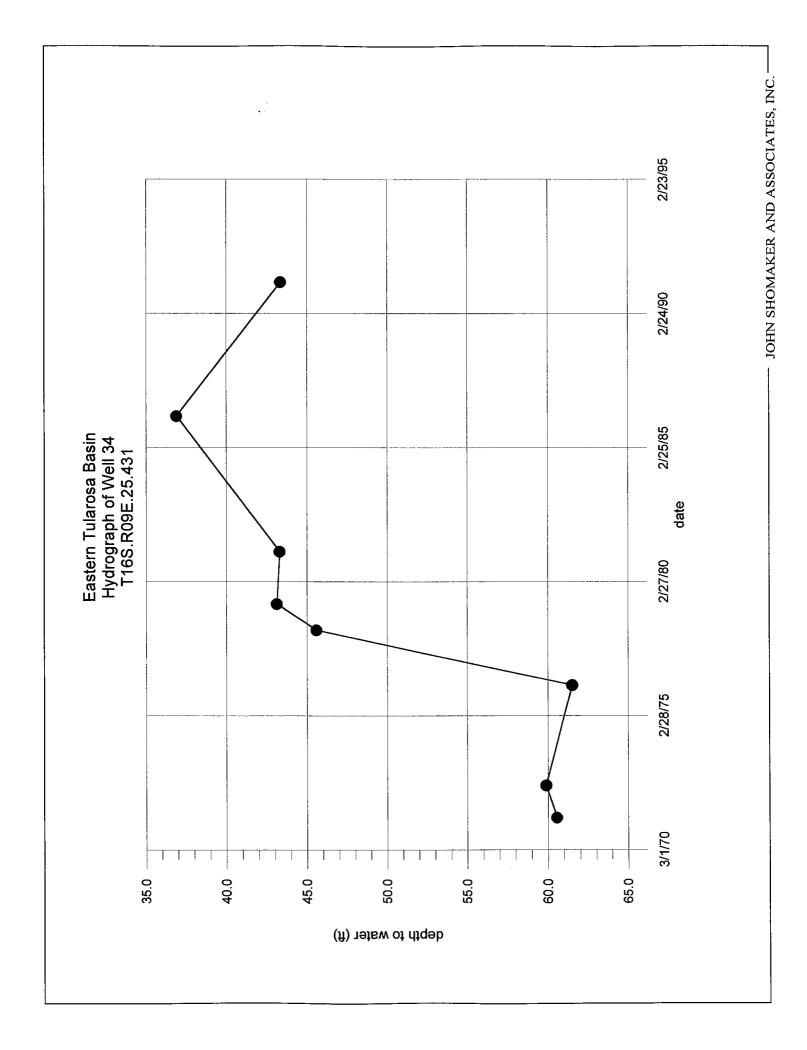
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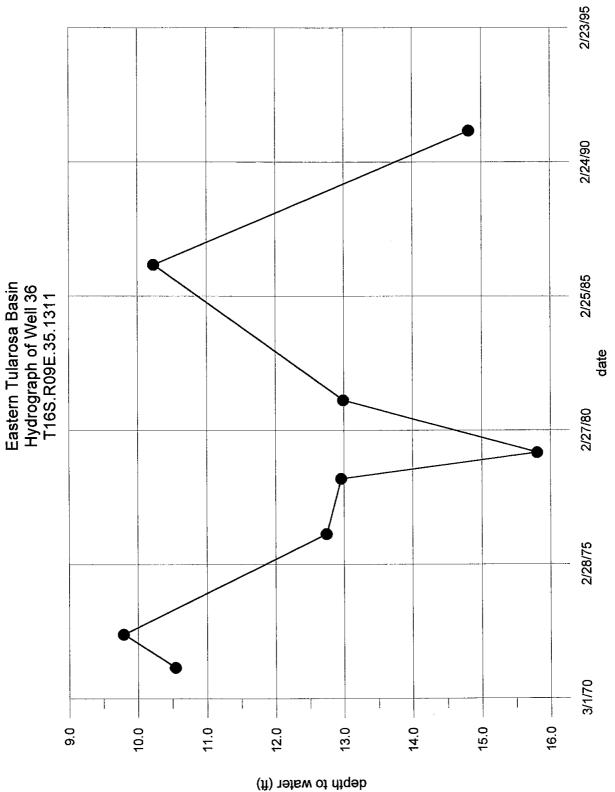
Eastern Tularosa Basin Hydrograph of Well 33 T16S.R09E.13.320

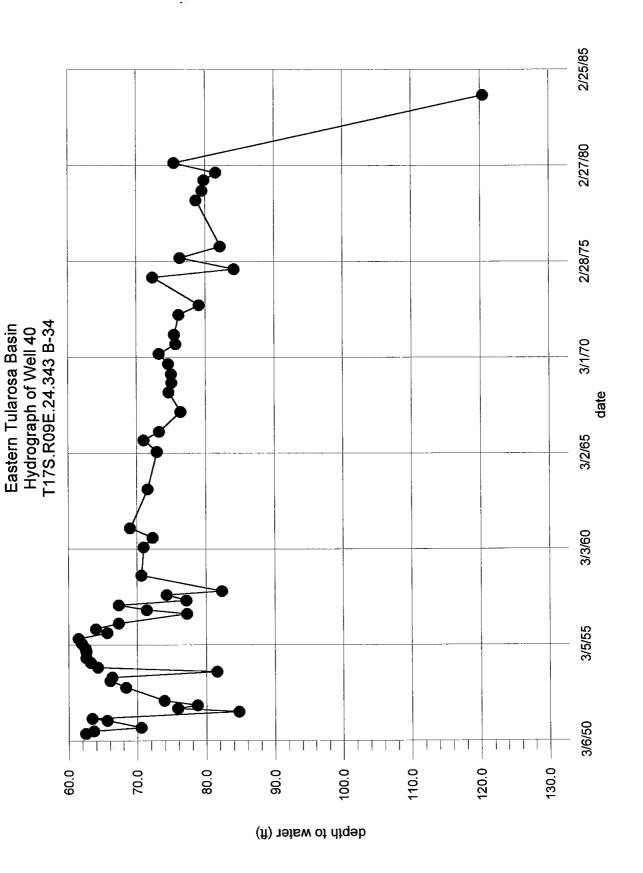
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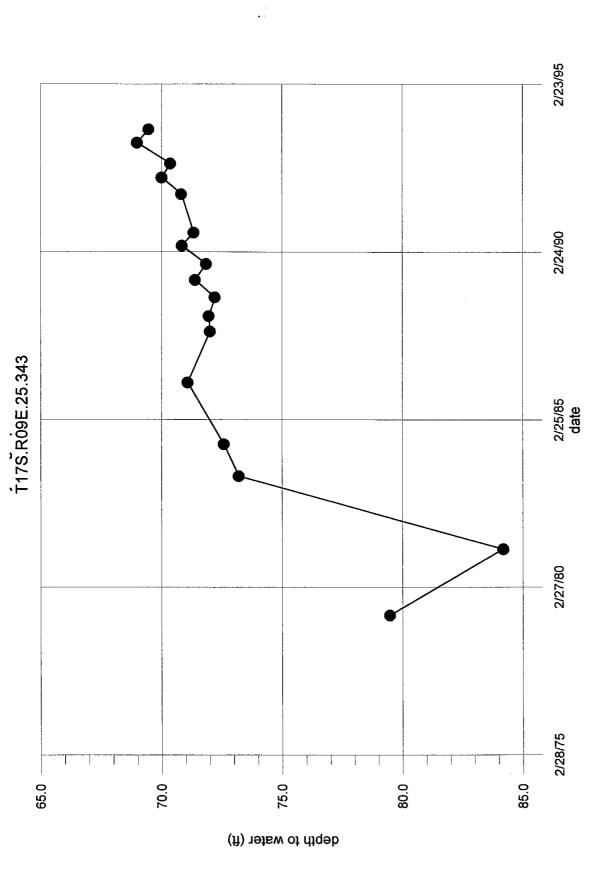
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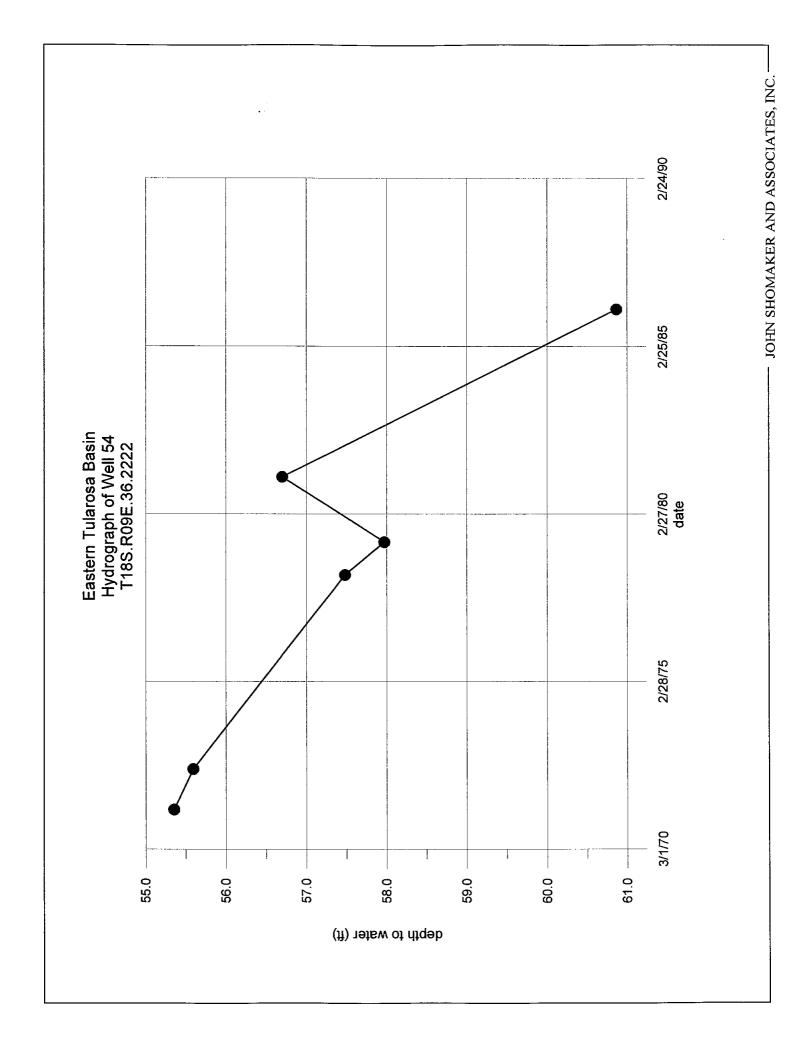
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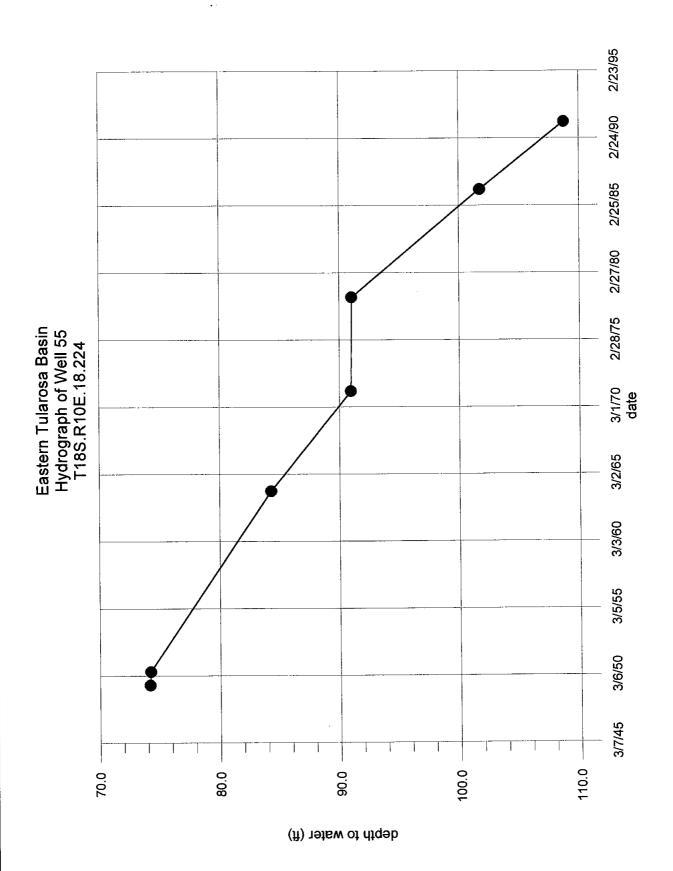
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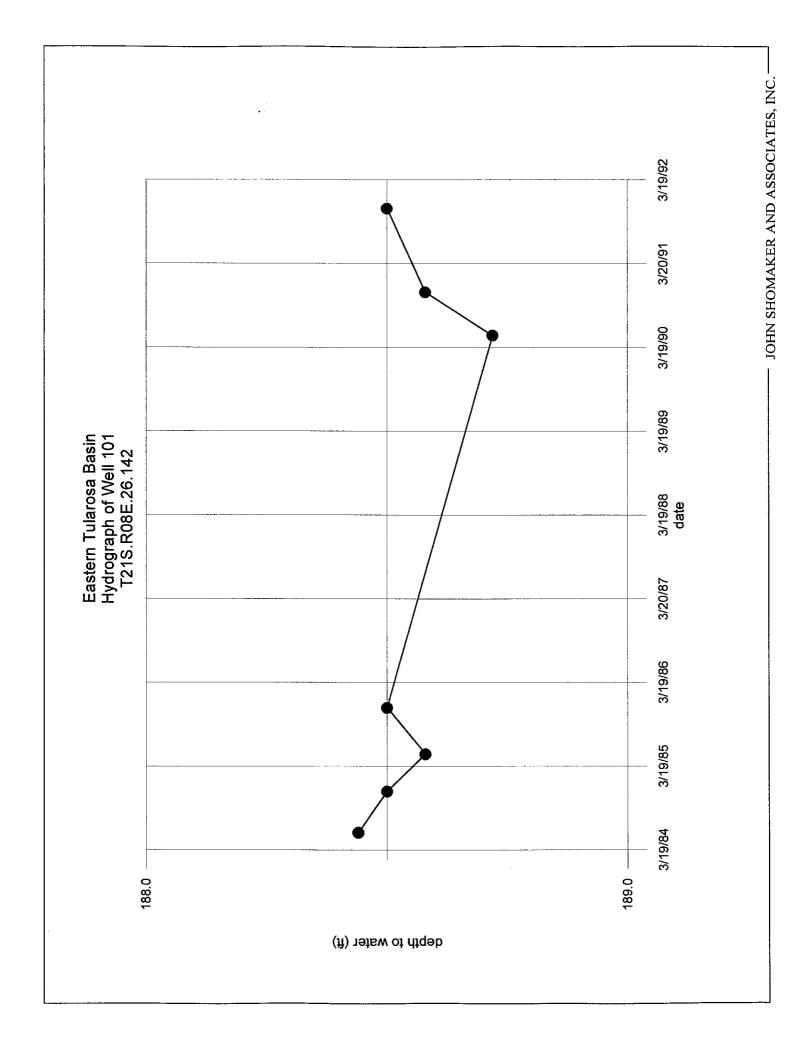
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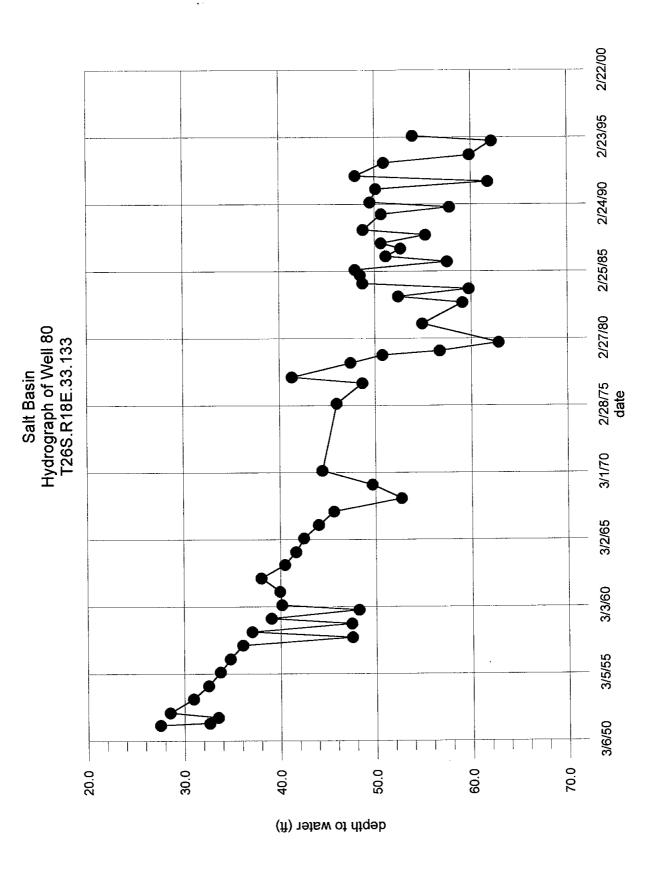
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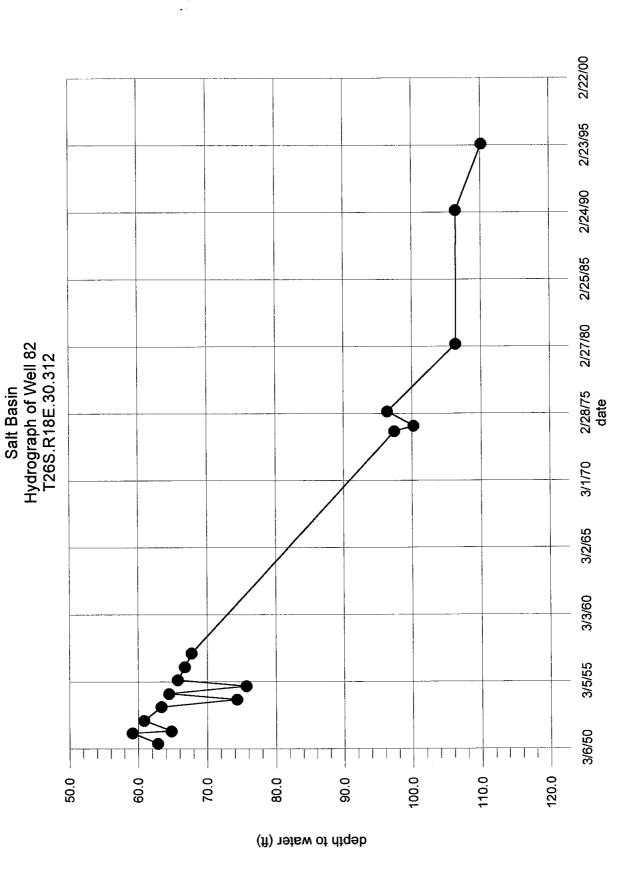
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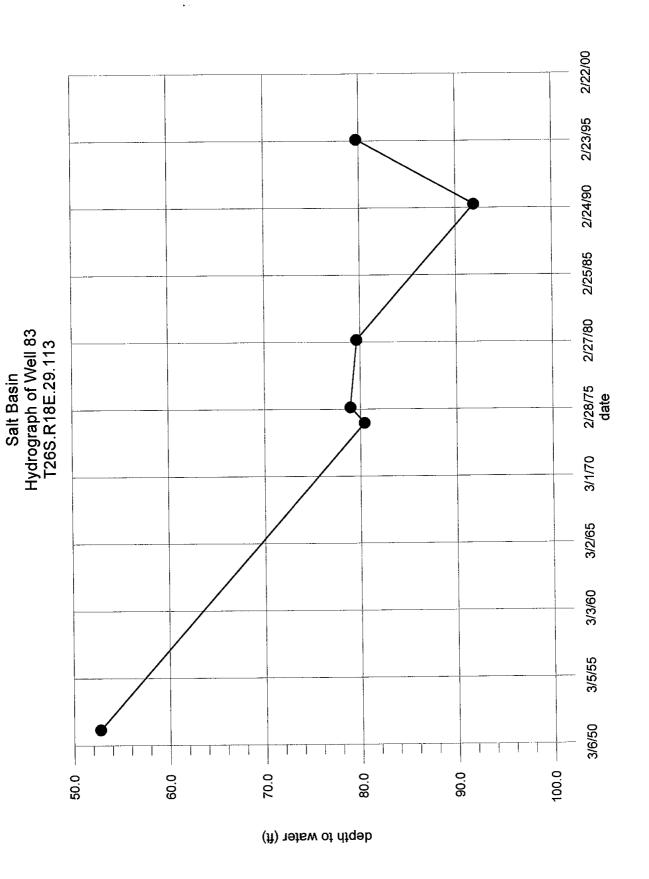


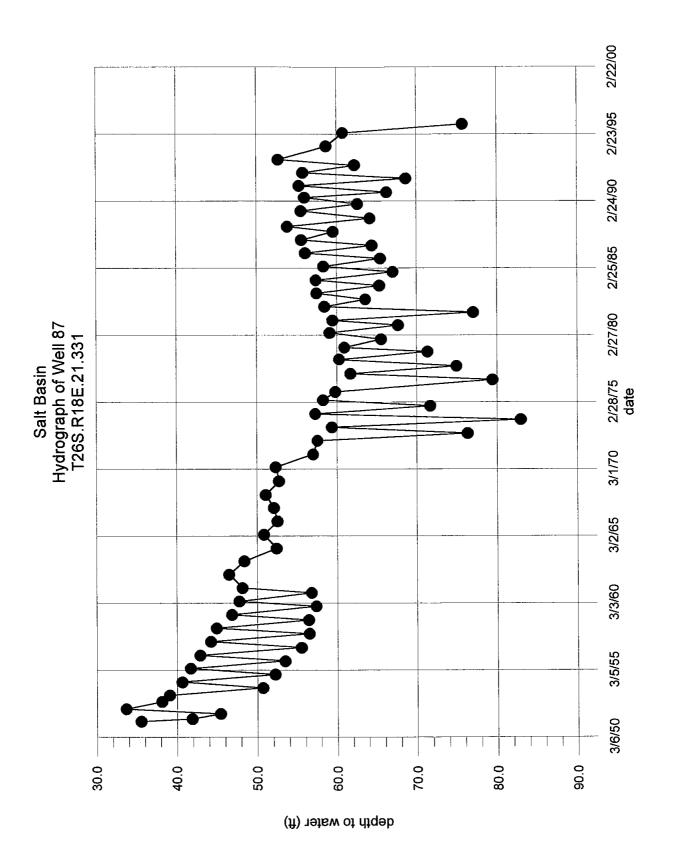


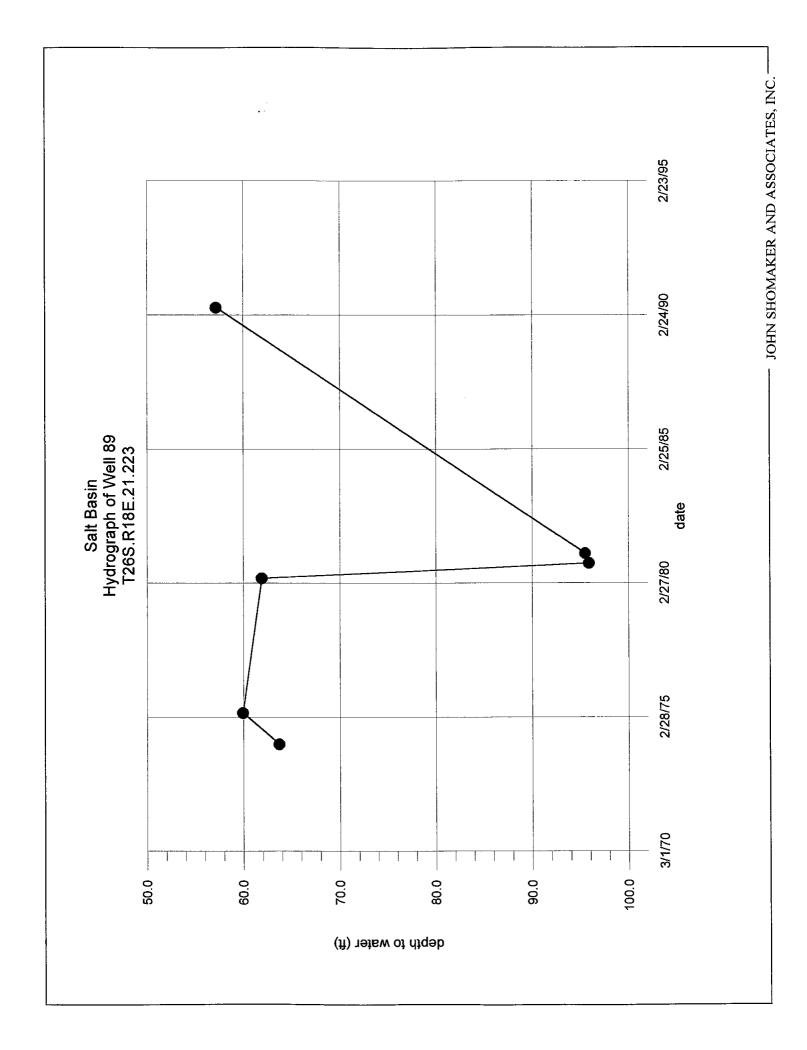




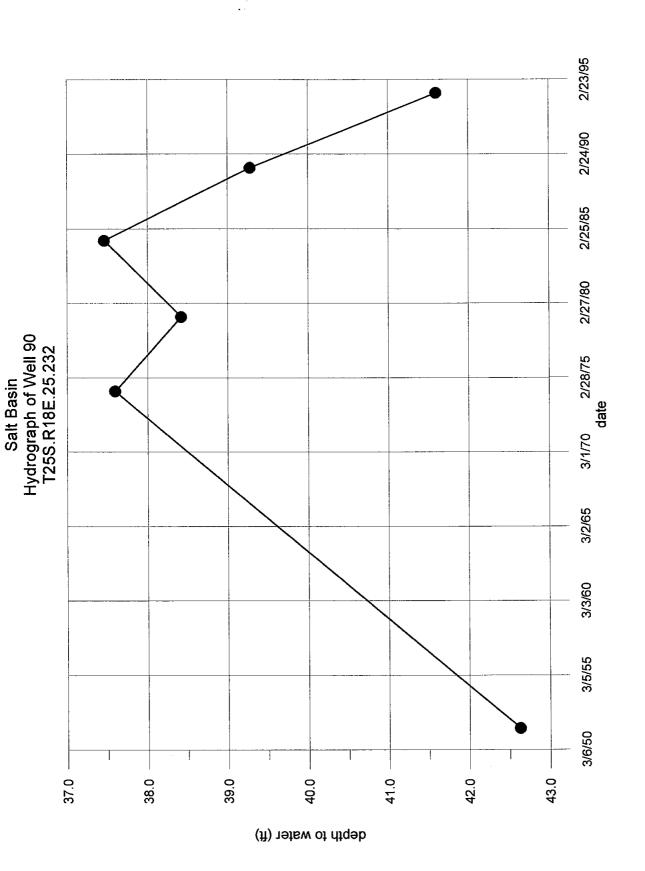


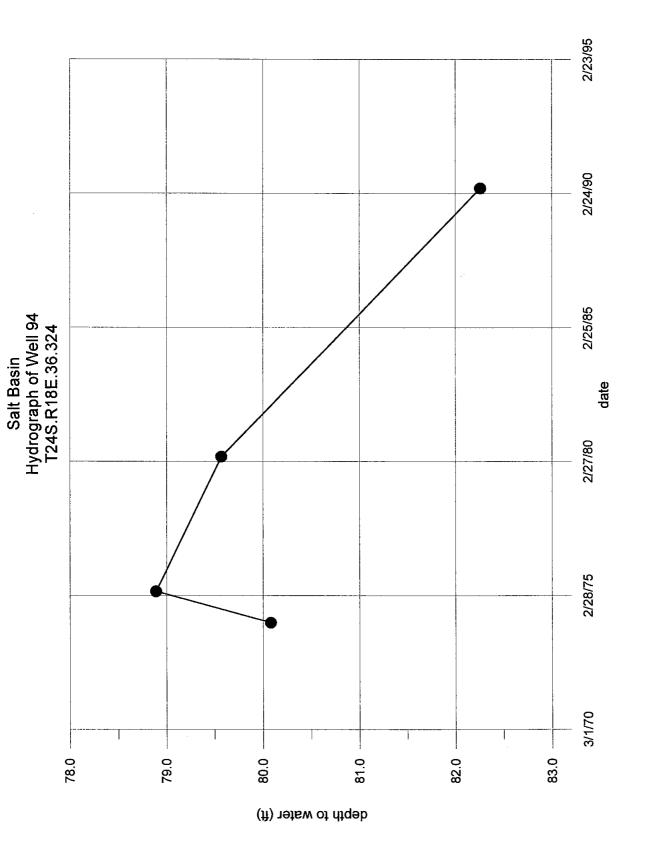






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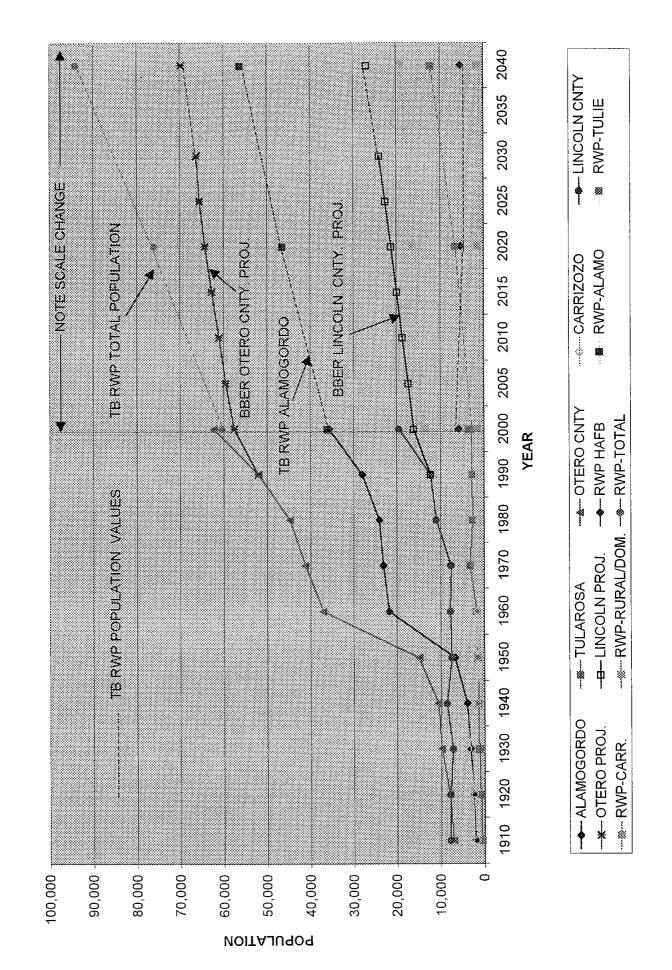


Population Projection Data

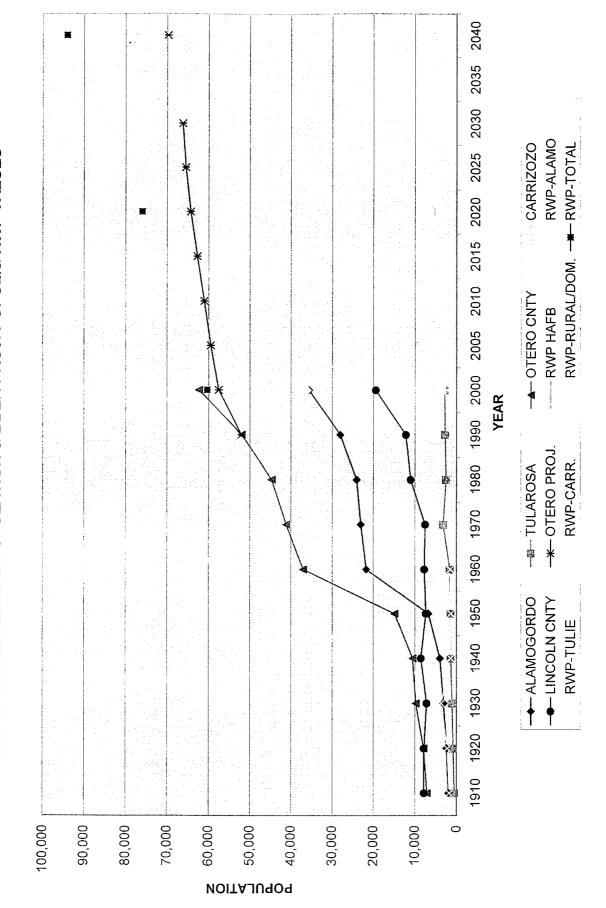
APPENDIX

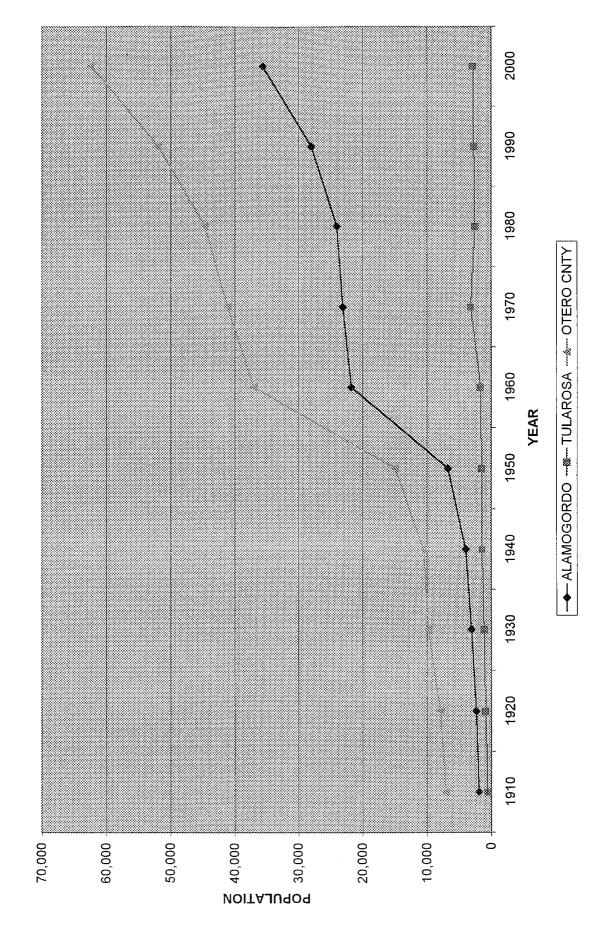
7.2

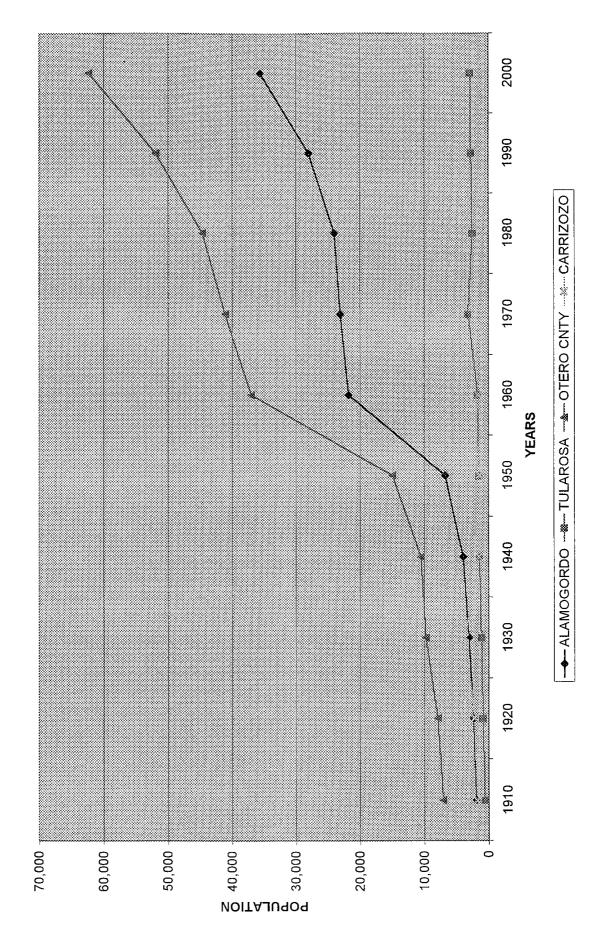
1910 TO 2000 DECENNIAL POPULATION; BBER PROJECTIONS; RWP POPUL. ESTIMATES

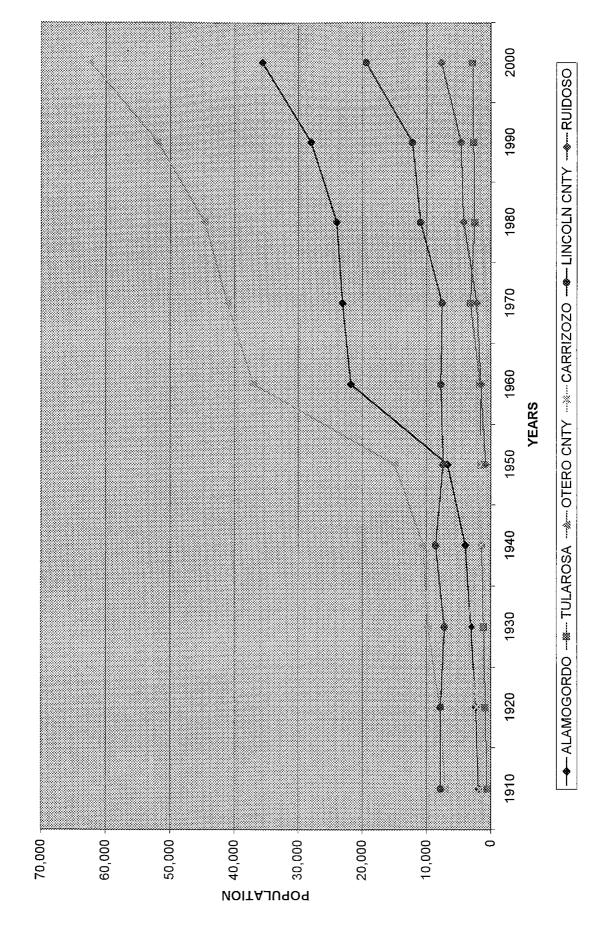


1910 to 1950 DECENNIAL POPULATION & BBER PROJ. POPUL. & RWP VALUES

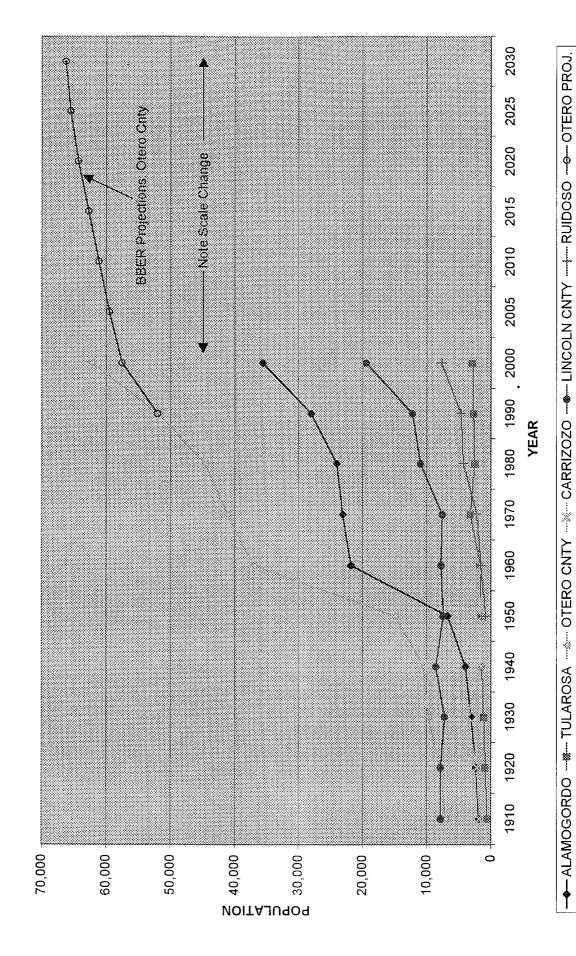








1910 to 2000 DECENNIAL POPULATION AND BBER POPULATION PROJECTIONS



Example Water Conservation Plans

APPENDIX

8.1

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ORDINANCE NO. 172

AN ORDINANCE ESTABLISHING WATER CONSERVATION MEASURES; PROVIDING FOR LIMITATIONS ON THE OUTDOOR USE OF WATER; PROVIDING EXCEPTIONS TO THE RESTRICTIONS ON THE OUTSIDE USE OF WATER; AND PROVIDING PENALTIES.

BE IT ORDAINED BY THE GOVERNING BODY of the Village of Tularosa, New Mexico that a new Section 6-5-20 of the Code of Ordinances, Tularosa, New Mexico 1975 is hereby adopted to read as follows:

6-5-20 WATER CONSERVATION:

- (1) The following water conservation measures shall be in effect at all times in the Village and no person, firm, or corporation shall use any water from the municipal water system except as follows:
- (a) Use of water through a sprinkler system or use of water through a hose to water any grass, trees, plants or other vegetation shall be allowed as follows:
- i. Users with odd numbered addresses shall be permitted to use water in the above manner on each Wednesday, Friday and Sunday.
- ii. Users with even numbered addresses shall be permitted to use water in the above manner on each Tuesday, Thursday and Saturday.
- iii. Watering in the above manner shall be prohibited between the hours of 10:00 a.m. and 6:00 p.m.
- (b) These restrictions shall apply to all residences and to all businesses and institutions having lawns, gardens, trees, or shrubs, and shall be followed at all parks and public buildings which are watered with treated water. Areas watered with effluent, grey, well water or water from the Tularosa Community Ditch are exempted from these restrictions. These restrictions shall not apply to any person, firm or corporation engaged in the business of growing or selling plants of any kind.
- (c) Newly seeded or sodded lawns or newly planted trees or shrubs shall be exempted from the restrictions of this Ordinance for the time needed to establish the lawn, tree or shrub, and the time needed to establish the lawn, tree or shrub does not exceed sixty (60) days.

- (2) No person shall be convicted of violating this Ordinance unless such person in fact turned on water, directed the turning on of water, or kept water turned on after learning it was turned on in violation of this Ordinance, or failed to turn off automatic devices capable of turning on water in violation of this Ordinance. It will not be necessary, however, to present a witness who saw the accused turning on the water, if circumstances indicate the accused did turn on the water.
- (3) Any person, firm, or corporation violating any provision of this Ordinance shall be fined not more than Five Hundred Dollars (\$500.00) or, imprisoned for not more than ninety (90) days, or both such fine and imprisonment, for each offense, and a separate offense shall be deemed committed on each day during or on which a violation occurs or continues in accordance with the general violation provisions of the Code of Ordinances, Tularosa, 1975.

PASSED, APPROVED AND ADOPTED this 15th day of July, 1997.

Mary Plerrese Sterfill
MAYOR

ATTEST:

Margaret S. Soughes Village Clerk

Long-Range Water Conservation Strategy Resolution

CITY of ALBUQUERQUE ELEVENTH COUNCIL

COUNCIL BILL NO. R-173 ENACTMENT NO. 40-1995 SPONSORED BY: Angela M. Robbins RESOLUTION:

ADOPTING A LONG-RANGE WATER CONSERVATION STRATEGY FOR THE CITY OF ALBUQUERQUE AND THE PROPERTIES SERVED BY THE CITY'S WATER UTILITY.

WHEREAS, the adopted "Albuquerque/Bernalillo County Comprehensive Plan" requires that "The water resources of the metropolitan area shall be managed to ensure permanent adequate supply;" and

WHEREAS, recent findings of the U.S. Geological Survey and the New Mexico Bureau of Mines and Mineral Resources indicate that the City is pumping local ground water at a rate that cannot be sustained; and

WHEREAS, conservation can extend the City's supply at a fraction of the cost of other alternatives; and

WHEREAS, active water conservation is a condition of State Engineer consideration of requests to obtain additional water supply; and

WHEREAS, conservation will be a prerequisite for state or federal permits necessary to begin using City surface water resources in more effective ways; and

WHEREAS, protection of the limited ground water resources is a regional issue since all ground water used in the Middle Rio Grande Basin is from the same aquifer; and

WHEREAS, an aggressive strategy which achieves a 30% reduction in water usage in six to ten years will reduce the current average 250 gallons per capita per day to 175 gallons per capita per day and is estimated to reduce water demand in the year 2004 by 37 million gallons a day and water demand in the year 2060 by 57 million gallons a day; and

WHEREAS, Albuquerque's usage averages 250 gallons per capita per day while other southwestern cities of comparable size and climate have successfully reduced their usage to less than 180 gallons per capita per day; and

WHEREAS, City Council Resolution Bill No. R-58, Enactment No. 49-1992, calls for the development of a long-term water conservation strategy for the City of Albuquerque; and

WHEREAS, the aggressive strategy was validated and strengthened by the Mayor's and City Council's Town Hall meetings on Water Conservation on September 9th and 10th of 1994; and

WHEREAS, raising the price of water is probably the most effective method for reducing its usage; and

WHEREAS, low and fixed income residents of Albuquerque and customers using reasonable amounts of water should be protected from excessive increases in water rates; and

WHEREAS, voluntary compliance with most recommended water conservation measures for single family residences is preferable and may be modified to mandatory compliance in the future if desired reductions in usage are not achieved.

BE IT RESOLVED BY THE COUNCIL, THE GOVERNING BODY OF THE CITY OF ALBUQUERQUE:

Section 1. That the City's Long-Term Water Conservation Strategy, as described in the following sections of this Resolution, is hereby adopted and implementation will be initiated in January or February of 1995.

Section 2. PLANNING AND OVERALL APPROACH. The City shall initiate the following measures.

- (A) Promote the regional awareness and planning that is essential to ground water resource management in the Middle Rio Grande Basin and includes the following:
 - 1. A long-range water resource planning process which incorporates the goal of sustainable growth;
 - 2. Inclusion of other city, county, and tribal governments and water users in the planning process;
 - 3. Addressing water quality and quantity issues as well as conservation.
- (B) In general, encourage voluntary water conservation for existing single family residences while requiring conservation for other properties.
 - (C) Apply more stringent requirements to City-owned facilities to set an example within the City.
 - (D) Set the example for water conservation in the Middle Rio Grande Basin and strive to involve other communities and water users in the conservation effort.

- (E) Determine the best use of San Juan-Chama water and reuse of effluent to reduce aquifer depletion.
- (F) Embrace the natural and cultural environment of Albuquerque in the water conservation effort.
- (G) Evaluate existing land use planning and zoning laws affecting water use and revise them to be consistent with the conservation strategy.
- (H) Create a water resources intern program in cooperation with the University of New Mexico's Master of Water Resource Administration program.

Section 3. REDUCTION GOALS. The City shall adopt the following water use reduction goals.

- (A) Reduce current overall per capita usage of 250 gallons per capita per day by 30% to achieve 175 gallons per capita per day by the year 2004.
- (B) Reduce current summer outdoor usage by 25%
- (C) Reduce current year-round indoor usage by 33%.
- (D) Reduce peak day usage by 20% within six to ten years.
- (E) Set parcel-specific goals for all customers by the year 1998.
- (F) Measure and evaluate the effectiveness of the elements of the Water Conservation Strategy on an ongoing basis: revise the Strategy annually, as necessary, to reflect and enhance the effectiveness of its various elements.

Section 4. RATES. The City shall implement the following measures related to rates.

(A) Allow sufficient lead time for extensive public education prior to implementation of higher excess use surcharges.

- (B) Retain average residential winter median by meter size for meter sizes up to and including two inch meters.
- (C) Utilize excess use surcharge revenues to offset declining revenues resulting from decreased demand. The Mayor shall not increase the excess water use surcharge prior to April 1996. Before any increase in the excess water use surcharge, the Mayor shall authorize a thorough analysis of alternative surcharge rates, their impact on different categories of water customers in terms of current use, family size, income, etc., and their reasonableness and fairness with regard to financial penalties for individual households failing to meet their water conservation goals. As conservation is achieved and surcharge revenues decrease significantly, alternative funding sources will be necessary.

Section 5. EDUCATION/PUBLIC AWARENESS. The City will initiate or continue the following to educate and get feedback from the community about conservation issues.

- (A) Establish a citizens Water Conservation Advisory Committee.
- (B) Continue the water conservation marketing and awareness program and provide adequate funding to effectively inform the public of the need for water conservation and of the ways that they can conserve.
- (C) Include a bar chart of the previous month's usage and the current month's usage on the monthly bill, in addition to conservation tips and information.
- (D) Cooperatively, with the Albuquerque Public Schools, fund a K-12 environmental education specialist in 1995 to develop and implement an ongoing ecological program for water conservation and related environmental issues in our schools.
- (E) Continue the annual education programs offered in all public schools.
- (F) Collaborate with existing community organizations to promote water conservation.

Section 6. RESIDENTIAL USE/PLUMBING. The City shall implement the following measures to reduce interior/plumbing uses.

(A) Adopt a Plumbing Code amendment requiring low-volume plumbing fixtures for all customers (now mandatory for only residential customers).

- (B) Initiate a voluntary residential fixture retrofit program to install, without charge to customers, water-saving retrofit devices in existing residential development.
- (C) Implement a 1.6 gallon-per-flush, low-volume toilet rebate program with rebates of up to \$100 per toilet for replacement of three gallons or more per flush toilets for all residential and commercial customers.
- (D) Actively encourage owners to replace high volume toilets with low- flow toilets whenever a building permit is obtained.
- (E) Promote voluntary, City provided water use surveys and retrofit kits for residential customers to reduce both indoor and outdoor usage; target the highest 25% of users but make available to all customers.
- (F) Encourage plumbing fixture wholesalers and retailers to sell only low-flow plumbing fixtures.

Section 7. LANDSCAPING/WATER WASTE. The City shall implement the following measures to reduce landscaping water use and water waste.

- (A) Adopt the proposed "Water Conservation Landscaping and Water Waste Ordinance" which makes compliance with water conservation measures a condition of water service from the Albuquerque water utility system and requires the following:
 - 1. No watering of City properties in April through September between 10:00 a.m. and 5:00 p.m.; voluntary for private sector;
 - 2. Water even/water odd watering on City properties; voluntary for private sector;
 - 3. No water waste or fugitive water in the public right-of-way, onto adjacent property, or into storm or sanitary sewers;
 - 4. Water waste fees applied to water bill; increasingly higher fees for repeat violations; installation of flow-restriction device at water meter with the eighth violation to provide only enough water for basic drinking and sanitation needs;
 - 5. No more than 20% of landscaped area in high water use plants for new private development or as allowed through water budget formula to achieve comparable low use; voluntary for existing single family residential;
 - 6. No high water use plants for new City development, excepting parks and golf courses, or as allowed through water budget formula to achieve comparable low use;

- 7. Surcharge on parks or golf course usage above annual allowance; allowance goes down over time;
- 8. No high water use turf in medians, on slopes steeper than 6:1, or in areas less than ten feet in any dimension; voluntary for existing single family residential;
- 9. Efficient new irrigation systems;
- 10. Installation of new sprinkler heads at least eight inches from the curb.
- (B) Initiate irrigation system water use surveys on new properties with one acre or more turf area, beginning in the year 1996; voluntary for single family residential.
 - (C) Combine all City of Albuquerque requirements regarding landscaping into one manual; eliminate conflicts with the conservation strategy.
 - (D) Initiate Xeriscape landscape retrofit and rebate program offering five cents per square foot rebate or credit, with a customer limit of \$150, for replacement of high water use turf and landscape plants with low or medium water use turf and plants.
 - (E) Initiate efficient irrigation system retrofit and rebate program offering rebates or credits of up to \$150 for replacement of old, inefficient irrigation systems with approved water-efficient systems.
 - (F) Initiate a Xeriscape education program including:
 - 1. Creation of additional Xeriscape demonstration gardens;
 - 2. Expansion of Parks and General Services irrigation efficiency weather network;
 - 3. Sponsoring an irrigation auditor training and certification program;
 - 4. Promotion and participation in Xeriscape research projects;
 - 5. Initiation or cooperation with other agencies on public workshops, tours, videos, newsletters, events, etc.
- (G) Improve the effectiveness of water waste enforcement:
 - 1. Escalate fees for repeat offenders; install flow restriction device with eighth violation;
 - 2. Assess fee on first violation observed by enforcement officers;
 - 3. Apply fees to water bill;

4. Hire an irrigation specialist to supervise unit.

Section 8. EVALUATION. After this Resolution has been in effect for approximately nine months from the date of publication, a comprehensive evaluation and analysis shall be conducted by the Public Works Department in which input is received from residents, businesses, and others. This report shall be forwarded to the City Council.

- **Section 9. INSTITUTIONAL, COMMERCIAL, AND INDUSTRIAL USE (ICI).** The City shall implement the following measures to reduce water use in the Institutional, Commercial, and Industrial billing classifications.
 - (A) Prepare, through a public process, and adopt a Large Water Users Policy specific to institutional, commercial, and industrial water uses and including, but not limited to, these provisions:
 - 1. Require new customers using over 50,000 gallons per day to prepare and implement a Water Conservation Plan;
 - 2. Prohibit use of City water for the purpose of diluting customer's effluent.
 - 3. Initiate periodic surveys of new customers using more than 300,000 gallons per day; require implementation of auditor's recommendations defined through negotiations with the City;
 - 4. Retrofit existing large water users to reduce use by 2000, in proportion to their growth or downsizing, unless longer period agreed to by the City.
- (B) Adopt ordinance prohibiting once-through cooling systems.
 - (C) Promote City-provided water use surveys and retrofit for the highest 25% of the ICI customers to address both indoor and outdoor usage.
 - (D) Initiate a City and school building plumbing fixture retrofit program; costs to be shared by the customer and the City.
 - (E) Implement a strategy for reducing excess water use for City facilities or services.
 - (F) Initiate a Water Utility unaccounted-for-water loss reduction program including:

- 1. Water loss reduction program to audit and repair system water losses on a continuous basis;
- 2. Meter maintenance and replacement program to identify, repair, and/or replace inaccurate or malfunctioning meters;
- 3. Installation of meters in all unmetered City parks;
- 4. Development and implementation of strategy to reduce and use well wash water and water system discharge water.

Section 10. Conservation requirements, as they apply to new construction, shall take effect six months after the effective date of this legislation.

EDYS Model Estimate,
Wells South of
Alamogordo Feasibility,
Alamogordo Water
Conservation Ordinance

APPENDIX

8.2

AN ESTIMATE OF THE APPLICABILITY OF THE EDYS MODEL IN PREDICTING THE EFFECTS OF WATERSHED MANAGEMENT AND CLOUD SEEDING ON THE YIELD OF WATER IN THE TULAROSA AND SALT BASINS

A "base" case and two "test" cases using the Ecological Dynamics Simulation Model (EDYS) have been recently run for the Penasco River drainage which is located on the eastern slopes of the Sacramento Mountains. The model has to be tailored to a specific region and area on the basis of that region's unique soil, topographic, climate, fauna, and flora characteristics (among other factors). Generally some field data collection and satellite imagery are needed for each region in order to prepare a special version of the model applying to that region only.

Although the Penasco River drainage is not in the Tularosa Basin, it borders the Basin on the west approximately along a line from Cloudcroft to Sunspot and has many of the same characteristics in terms of soil, climate, and plant life. The intent of these three computer simulation runs was to see how well the results derived for the Pecos River Valley Water Basin compared to other, more general, estimated and empirical data pertaining to tests of the effects of forest thinning (watershed management) and cloud seeding (precipitation enhancement) on water recharge in other areas of the arid southwest.

The EDYS model was developed by Shepherd Miller, Inc., which is located in Fort Collins, CO, apparently under US Army and Air Force funding. Specific versions have been applied to fairly wide-spread areas in the US and elsewhere ⁽¹⁾. The preparation of the Penasco version of the model was funded by the US Forest Service in Alamogordo, and incorporates data on climate, soils, plants, animals, the hydrology, spatial factors, the landscape, and potential management actions specific to a 120,759 acre area in the Penasco Watershed in the Lincoln National Forest. The Penasco Underground Water Basin of the Lower Pecos River Underground Water Basin consists of about 500,000 acres; consequently, this watershed is only about 25% of the total, but is still significant in terms of predicting and calibrating the recharge potential of various forest management strategies.

The base case (Case 1) in the Table below utilizes the built-in plot data to calculate the export of water out of the region (surplus), but, in fact, it is the amount of water that gets below the root line. There is a significant question as to whether or not this water actually becomes recharge to the Pecos. It covers a five-year time period and yields the export values for each year shown.

Case 2 is a simulation of the effects of increasing the precipitation by 10% over the same time period. According to the model, an increase in the yearly and total export is seen.

The total (26,936 acre-feet), when reduced to the yearly yield per acre, is about 0.045 AFY per acre.

Case 3 deals with a specific management scenario proposed by the Forest Service to do selective thinning of trees over an area of 30,000 acres within the watershed. The case assumes that thinning begins at the beginning of the 2nd year and is carried out over the next three years. The total increase in export is 9,578 AF, which results in a yield of 0.106 AFY per acre. This value is in good agreement with the values projected in a recent review of applicable references done by Garrett ⁽²⁾, who, using those references, estimated an increase of from 0.083 to 0.017 AFY per acre resulting from forest thinning within the Lincoln National Forest, including the Tularosa Basin part. The value of 0.106, however, does not agrees very well with the average yield of water (0.05 AFY per acre) obtained from several experimental plots in Arizona, as reported by Pete Stewart of the USFS Gila National Forest. (Personal communication from a presentation made to Forest Service personnel in Alamogordo about a year ago)

The model has some built-in shortcomings and errors at the present time, but they are not major and do not seem to affect the results. Because of the similarities of the Penasco River drainage to some of the recharge areas on the western slopes of the Sacramento Mountains in the Tularosa Basin, and because the results of the cases run so far for the Penasco drainage seem to be in generally good agreement with empirical data for other areas in the southwest, it is suggested that factors of approximately 0.05 AFY per acre and 0.10 AFY per acre for cloud seeding and watershed management, respectively, might be applicable to the western slopes of the Sacramento Mountains in terms of evaluating these two alternatives.

References

- (1) W. Michael Childress and Terry McLendon, "Simulation of Multi-Scale Environmental Impacts Using the EDYS Model", Hydrological Science and Technology, Volume 15, American Institute of Hydrology, November 1-4, 1999.
- (2) L. D. and P. J. Garrett, "Evaluating Forest Restoration Opportunities On The Lincoln National Forest", M3 Research, September 25, 2001 (M3 Research, 53670 Falcon Road, Olathe, CO 81425. (970) 323-9511)

RIO PENASCO WATERSHED REVISED 02/06/02 **ECOLOGICAL DYNAMICS SIMULATION MODEL**

3 YEAR 2004) EXPRT (AF)	11,853	3,884	Not Calc.	
YEAR 2003 EXPRT (AF	1,396 2,421	1,025	3,243	1,847
YEAR 2002 EXPRT (AF)	5,470 8,064	2,594	11,772	6,302
END YEAR YEAR 2000 YEAR 2001 YEAR 2002 YEAR 2003 YEAR 2004 EXPRT (AF) EXPRT (AF) EXPRT (AF) EXPRT (AF)	19,916 26,336	6,420	21,347	1,431
YEAR 2000 EXPRT (AF)	32,436 45,449	13,013	32,433	ო
END YEAR	2004	Difference	2003	Difference
START YEAR	2000		2001	
RUN YEARS	សស		4	
CASE # PREC. # VEGETATION RUN YEARS	Base Base		150 ft²/acre	
PREC.#	1.10		-	
CASE#	- 0		ო	

TOTAL CHANGE IN EXPORT OVER 5 YEAR PERIOD = 26,936 AF DUE TO INCREASE IN PRECIPITATION OF 10% 26,936 AF/(5YR X 120,759 ACRE) = 0.045 AF PER ACRE-YEAR

TOTAL CHANGE IN EXPORT OVER 3 YEAR PERIOD = 9,580 AF DUE TO WATERSHED MANAGEMENT 9,578 AF/(3YR X 30,000 ACRES) = 0.106 AF PER ACRE-YEAR

OTHER SOURCES OF WATER YIELD ESTIMATES RESULTING FROM FOREST THINNING PROJECTS

- PETE STEWART (USFS-GILA) : 0.05 AFY PER ACRE @ 30%REDUCTION IN PRECIPITATION ROSS WILFORD (BGW,INC.) : 0.022 AFY PER ACRE @ 25% EFFICIENCY AND ONLY CERTAIN SPECIES **E00**
- L. D. & P.J. GARRETT (M3 RESEARCH): 0.08 TO 0.17 AFY PER ACRE------BASED ON WORK OF OTHERS

NOTE: PRELIMINARY DATA. SUBJECT TO REVIEW AND REVISION

THE FEASIBILITY OF ADDITIONAL WATER WITHDRAWALS FROM WELL FIELDS SOUTH OF ALAMOGORDO

The possibility of withdrawing additional water from wells in selected wells fields south of Alamogordo and within the SEO's Administrative Area was discussed at several meetings of the Regional Water Planning Steering Committee as a means of increasing the water supply for the area without impairing the field or nearby wells. One individual, who attended the meetings and who had carried out a simplified analysis of the effects of additional water withdrawals, had suggested that an additional 4,000 AFY could possibly be extracted without undue harm. See Appendix 2.2.

At the request of the Regional Water Planning Committee, the SEO in Las Cruces kindly agreed to run some cases in order to determine the impact of withdrawing an additional 4,000 AFY in one scenario and 10,000 AFY in another from the HAFB Boles Field and from the Boles Acres well field using the Morrison Model (1989). The Committee specifically did not request the SEO to make any judgment as to the feasibility of the hypothetical action nor to do an evaluation of the results relative to the administrative criteria. They simply put into the model the hypothetical withdrawal rates and the cell locations for those withdrawals as specified by the Committee.

Table 1 is a cell map of the Administrative area which extends from about Townships 13 through 18 South and Ranges 8 through 10 East. The cells are 2,640 feet square (1/2 mile square) even though they appear as rectangles in the Table. The extent of drawdown in feet over a 40 year time period is shown for each cell. The case is based on pumping a total of 4,000 AFY from the six cells designated as R56C14, R56C15, R56C16, R57C14, R57C15, and R57C16, which are highlighted in dark grey in the Table. Six hundred sixty seven (667) AFY are assumed to be extracted from each cell to produce the total of 4,000 AFY. The light grey cells with the number 4500 in them on the right side of the Table (i.e., the eastern side where the Sacramento Mountains escarpment starts) are no-flow cells. Only cells R32C24 through R32C24, inclusive, and cells R4C24 and R5C24 are postulated to have inflow into the administrative area from the east.

Within the six-cell area where the 4,000 AFY pumping rate is hypothetically proposed to occur, the minimum drawdown is 118 feet in 40 years (cell R56C14) and the maximum is 187 feet (cell R57C16), as can be seen in the Table. Since approved applications (HAFB Boles Well Field) are already pumping water from these cells, the additional withdrawal of 4,000 AFY would not seem to be acceptable. The permissible drawdown, according to the administrative model, depends, in part, on the thickness of the fresh water zone. If it is greater than 400 feet, for example, the allowable drawdown is, in general, about 100 feet (2 ½ feet per year for 40 years). If one includes the existing, permitted, withdrawal rates from the six-cell area, along with the 4,000 AFY rate, the minimum drawdown is 187 feet (R56C14) and the maximum is 259 feet (R57C16). The effects are also more pronounced outside of the six-cell area.

For the case in which the withdrawal of 10,000 AFY is postulated to occur over a twelve-cell area (833 AFY each) for 40 years, the drawdowns, as expected, are very large (425 to 571 feet) and would be harmful to the existing field.

At this time it appears prudent, in terms of the conclusions developed for the RWP, to accept the Morrison Model results, but, sometime in the future, it may be worthwhile investigating further whether or not the withdrawals are optimized for some of these fields in order to assure that they are being utilized to the maximum extent possible without harmful effects on the field or the surrounding area.

MODEL GRID FOR THE TULAROSA UNDERGROUND WATER MODEL (R56C14, R56C15, R56C16, R57C14, R57C15, R57C16)

Q = 4000AFY total = 666.66 acre-feet per annum per cell = 79,560 cubic feet per day per cell

Volumetric Percent Discrepancy = 0.01%

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ORDINANCE NO. 948

AN ORDINANCE AMENDING SECTION 28-03-035 OF THE CODE OF ORDINANCES OF THE CITY OF ALAMOGORDO, NEW MEXICO AND ADOPTING SECTIONS 28-03-036 AND 28-03-037.

WHEREAS, the City Commission of the City of Alamogordo, New Mexico deems it in the best interest of the citizens of the City to adopt Sections 28-03-033 and 28-03-034 and amend Section 28-03-035.

BE IT THEREFORE ORDAINED by the City Commission of the City of Alamogordo, New Mexico that Sections 28-03-033 and 28-03-034 are adopted and Section 28-03-035 of the Code of Ordinances of the City of Alamogordo, New Mexico is amended as follows:

SECTION ONE

Section 28-03-033 of the <u>Code of Ordinances of the City of</u>

Alamogordo, New Mexico is adopted to read:

28-03-033. Water Conservation

- 1. The following water conservation measures shall be in effect at the times specified. No person, firm or corporation shall use any ... water in violation of any provision of this ordinance.
- (a). The following water conservation measures shall be in effect for all users on the Alamogordo water works system during the period of the year when daylight savings time is in effect.

- (1). Outdoor use of water through a sprinkler system or use of water through a hose to water any grass, trees, plants or other vegetation shall be determined as follows.
- a. Users with odd numbered addresses shall be permitted to use water in the above manner on each Wednesday, Friday and Sunday.
- b. Users with even numbered addresses shall be permitted to use water in the above manner on each Tuesday, Thursday and Saturday.
- c. Watering in the above manner shall be prohibited on each Monday.
- d. Newly seeded or sodded lawns or newly planted trees or shrubs shall be exempted from these restrictions for the time period needed to establish the lawn, tree or shrub which time period shall not exceed sixty (60) days.
- (2). The conservation measures detailed in paragraph (1) above shall be in effect during the period that daylight savings time is in effect and shall apply to all residences and to all businesses and institutions having grass, trees, plants or other vegetation and shall be followed at all parks and public buildings which are watered with treated water. Areas watered using effluent water or wells are exempted from these restrictions. These conservation measures shall not apply to any person, firm or corporation engaged in the business of growing or selling plants of any kind.

(3) Beginning with the implementation of daylight savings time and continuing throughout the duration of daylight savings time, outdoor watering of grass, trees, plants or other vegetation shall be prohibited between the hours of 10 a.m. and 6 p.m..

SECTION TWO

Section 28-03-034 of the <u>Code of Ordinances of the City of</u>
<u>Alamogordo, New Mexico</u> is adopted to read:

28-03-034 Nonessential water use restrictions.

- 1. The following restrictions shall apply to all customers of or persons who use or receive treated water from the City of Alamogordo: The use of a free-flowing hose to wash any vehicle is prohibited. Vehicles may be washed only from a handheld bucket or a handheld hose equipped with a positive shutoff nozzle for quick rinses. This prohibition also includes the operation of vehicle washes such as fund-raisers held at commercial businesses, but does not apply to the washing of vehicles when conducted as part of normal business operations on the premises of a commercial car wash or a commercial service station.
- 2. "Wasting water" is prohibited. The following practices are wasting water:
- (a). Using treated water for any purpose in such a way that it flows, sprays, or is otherwise excessively discharged upon any street, alley or other public right-of-way, ditch or drain;

- (b). Failing to repair a leak in a system which delivers water within five working days of the discovery of same;
- 3. All swimming pools, which are constructed after the effective date of this ordinance must be equipped with filtration, pumping and recirculation systems. For purposes of this ordinance, a swimming pool is any structure more than twenty-four inches in depth and containing more than one thousand one hundred twenty-two gallons of water and intended primarily for recreational use.
- 4. New or replacement bleeder lines from evaporative coolers shall not be larger than one-eighth-inch inside diameter. Bleeder lines shall not be routed into the sewer system where the effluent can be used to water landscaping or other outdoor vegetation, except where this would be impractical or unfeasible.
- 5. Restaurants shall provide drinking water to customers only upon request.

SECTION THREE

Section 28-03-035 of the <u>Code of Ordinances of the City of</u>
<u>Alamogordo, New Mexico</u> is amended to read:

28-03-035. Water Rationing.

- 1. The following water conservation stages shall be in effect at the times specified. When Stage 1, Stage 2, or Stage 3 water rationing is in effect, no person, firm or corporation shall use any water in violation of any provision of this ordinance.
- (a) <u>Stage 1</u>: Water Rationing. Whenever the storage facilities for the City's water system contain less than fifty percent (50%)

of capacity, the City Manager shall have the authority to impose Stage 1 Water Rationing. The City Commission shall consider the actions of the City Manager at its next meeting at which time the City Commission shall approve or disapprove the action taken by the City Manager. The following requirements shall be in effect.

- (1) The City Manager shall make public announcements, through the print and broadcast media concerning the Stage 1 Water Rationing, whenever Stage 1 is in effect. The announcement will include a description of the rationing restrictions.
- (2) Use of water through a sprinkler system or use of water through a hose to water any grass, trees, plants or other vegetation shall be determined as follows:
- a. Users with odd numbered addresses shall be permitted to use water in the above manner on each Wednesday And Sunday.
- b. Users with even numbered addresses shall be permitted to use water in the above manner on each Tuesday and Saturday.
- c. Watering in the above manner shall be prohibited between the hours of 10 a.m. and 6 p.m..
- (3) These restrictions shall apply to all residences and to all businesses and institutions having lawns, gardens, trees, or shrubs, and shall be followed at all parks and public buildings which are watered with treated water. Areas watered with effluent or well water are exempted from these restrictions. These

restrictions shall not apply to any person, firm or corporation engaged in the business of growing or selling plants of any kind.

- (4) No swimming pools shall be filled. Swimming pools that were filled before Stage 1 Water Rationing went into effect may have water added to make up losses through evaporation or splashing. Water lost through draining or through leaks in the pool may not be made up during Stage 1 Water Rationing.
- or shrubs shall be exempted from Stage 1 Water Rationing for the time needed to establish the lawn, tree or shrub provided the vegetation was planted before Stage 1 was imposed and the time needed to establish the lawn, tree or shrub does not exceed sixty (60) days. No lawns shall be newly seeded or sodded or trees or shrubs planted after Stage 1 is imposed.
- (b) Stage 2 Water Rationing. Whenever the storage facilities for the City's water system contain less than thirty-five percent (35%) of capacity the City Manager shall have the authority to impose Stage 2 Water Rationing. The following requirements will be in effect:
- (1) The City Manager will make public announcements through the print and broadcast media that Stage 2 is in effect. The announcements will include a description of the rationing restrictions.
- (2). The City Commission shall be called into emergency session in accordance with the current open meetings resolution after the imposition of Stage 2 to consider ratifying the City

Manager's action or to amend or lift the Stage 2 water rationing as circumstances warrant.

- (3) Use of water through a sprinkler system or use of water through a hose to water any grass, trees, plants or other vegetation shall be determined as follows:
- a. Users with odd numbered addresses shall be permitted to use water in the above manner on each Friday.
- b. Users with even numbered addresses shall be permitted to use water in the above manner on each Tuesday.
- c. Watering in the above manner shall be prohibited between the hours of 10 a.m. and 6 p.m..
- (4) These restrictions shall apply to all residences and to all businesses and institutions having lawns, gardens, trees, or shrubs and shall be followed at all parks and public buildings which are watered with treated water. Areas watered with effluent or well water are exempt from these restrictions.
- (including fund raising car washes at commercial businesses), except at places of business where autos are washed on every business day either with attendants, with automatic equipment or by self service.
- (6) No swimming pools will be filled and no water shall be added to any swimming pool. Indoor pools used for medical or rehabilitative purposes shall be exempt from this section.
- (7) Washing sidewalks, driveways, parking areas, tennis courts, patios or other impervious surface areas with a hose except

in emergencies to remove spills of hazardous materials or to eliminate dangerous conditions which threaten the public health, safety, or welfare is prohibited.

- (c) Stage 3 Water Rationing. Whenever the storage facilities of the City 's water system contain less than twenty-five percent (25%) of capacity the City Commission finds that the City is in a state of emergency and the following measures are necessary to protect the health and welfare of the citizens. The City Manager shall have the authority to impose Stage 3 Water Rationing. The following requirements will be in effect:
- (1) The City Manager will make public announcements in the print and broadcast media that Stage 3 water rationing is in effect. The announcements will include a description of the provisions in effect.
- (2) The City Commission shall be called into emergency session in accordance with the current open meetings resolution after the imposition of Stage 3 to consider ratifying the City Manager's action or amend or lift the Stage 3 water rationing as circumstances warrant.
- (3) Use of water through a sprinkler system or use of water through a hose to water any grass, trees, plants or other vegetation shall be determined as follows:
- a. Users located North of 10th St. with odd numbered addresses shall be permitted to use water in the above manner on each Friday.

- b. Users located South of 10th St. with odd numbered addresses shall be permitted to use water in the above manner on each Wednesday.
- c. Users located North of 10th St. with even numbered addresses shall be permitted to use water in the above manner on each Thursday.
- d. Users located North of 10th St. with even numbered addresses shall be permitted to use water in the above manner on each Tuesday.
- e. Watering in the above manner shall be prohibited between the hours of 10 a.m. and 6 p.m..
- (4) All watering of grass, trees, plants or other vegetation at all parks and public buildings owned by the City of Alamogordo which are watered using treated water shall be prohibited. Areas watered with effluent or well water are exempt from these restrictions.
- (including fund raising car washes at commercial businesses), except at places of business where autos are washed on every business day either with attendants, with automatic equipment or by self service. The hours of operation of such businesses shall be limited to ten (10) hours per day.
- (6) No swimming pools will be filled and no water shall be added to any swimming pool.
- (7) It shall be the policy of the City of Alamogordo to keep Stage 3 in effect for no longer than absolutely necessary. The

City Manager and The City Commission shall take steps to lift the Stage 3 restrictions as soon as lifting the restrictions will not endanger the water supply by reducing amounts of water in storage.

- 2. No person shall be convicted of violating this ordinance unless such person in fact turned on water, directed the turning on of water, or kept water turned on after learning it was turned on in violation of this ordinance, or failed to turn off automatic devices capable of turning on water in violation of this ordinance. It will not be necessary, however, to present a witness who saw the accused turning on the water, if circumstances indicated the accused did turn on the water.
- 3. The City Manager will make written reports to the City Commission at every regular City Commission meeting (including emergency sessions called under this ordinance) while water rationing is in effect. The City Manager will make weekly written reports to the City Commission while Stage 3 Water Rationing is in effect.
- 4. Any person, firm, or corporation violating any provision of this ordinance shall be fined not more than five hundred dollars for each offense, and a separate offense shall be deemed committed on each day during or on which a violation occurs or continues in accordance with the general violation provisions of the <u>Code of Ordinances</u>.

SECTION FOUR.

Severability Clause.

The provisions of this ordinance are severable, and if any provisions of this ordinance or the application thereof to any person or circumstance is held invalid, the invalidity does not affect other provisions or applications of the ordinance which can be given effect without the invalid provisions or applications.

PASSED, APPROVED AND ADOPTED this 13th day of June, 1995.

CITY OF ALAMOGORDO, NEW MEXICO, a New Mexico municipal corporation

By:					
	Daniel	R.	King		
	Mayor				

ATTEST:

Angie J. Rahn City Clerk

APPROVED AS TO FORM:

Rebecca W. Ehler City Attorney

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