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CIRCULAR 115

Records of Wells and Springs in the Socorro and
Magdalena Areas, Socorro County, New Mexico, 1968

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NEW MEXICO STATE
BUREAU OF MINES AND MINERAL RESOURCES

Don H. Baker, Jr., *Director*

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SUMMARY

This circular presents in tabular form
the following data for 523 wells:

Location, owner, altitude, water use, well use, method drilled, year drilled, depth of well, depth cased or first perforations, well finish, water-level yield, temperature; 160 chemical analyses of water from 150 wells;

the following data for 60 springs:

Location, owner or name, topographic setting, altitude, aquifer system and lithology, discharge, temperature; 68 chemical analyses of water from 57 springs;

water-level measurements made during the period 1962-1967 in 98 wells; and

the logs of 22 wells.

These data cover wells and springs in more than 1700 square miles in western Socorro County, loosely described as the "Socorro and Magdalena area," that includes T. 1 N. to T. 6 S. and R. 1 E. to R. 6 W. We expect to use these data as the basis of an evaluation of the hydrology and hydrodynamics of ground water in the area in a subsequent report.

We have three reasons for being interested in this area:

1. We hope to learn more about the relation of ground water in adjacent basins of the Basin and Range geomorphic province.
2. Secs. 9, 16, and 22, T. 3 S., R. 1 W. contain one of the largest thermal anomalies in New Mexico. A study of the hydrodynamics of this area should shed some light on the origin of the heat of the thermal waters therein.
3. The New Mexico Institute of Mining and Technology is located within this area and uses the ground-water resources of the Rio Grande valley. We are, therefore, concerned about the factors that control the occurrence, distribution, and use of ground water in the valley.

This publication, however, is limited to a statement of the data as they have been culled from various sources. Interpretation has been kept to a minimum. The data are presented here so that others interested in development of the water resources of the area may have use of them.

Sources

These data have been culled from the (1) files of the New Mexico Bureau of Mines and the Department of Ground-Water Hydrology, Research Division, New Mexico Institute of Mining and Technology, and (2) the works of Hall (1963, 1967), Bushman, (1963), and Waldron (1956).

Well logs were provided by the water-well drillers, especially Roe Newberry of Socorro.

Chemical analyses of the water were made by the U.S. Geological Survey, New Mexico Bureau of Mines and Mineral Resources, Dr. F. R. Hall, and personnel in the Department of Ground-Water Hydrology.

Water-level measurements are primarily the product of Bruce DeBrine, Reiner Haubold, Dennis Williams, and John Halepaska, graduate students in the Department of Ground-Water Hydrology. A few of the wells were field checked by Ronald Brimhall, a graduate student.

Data Handling

The data taken from the various sources were recorded in standard form and arranged in turn by township, range, and sections. They were then transferred to IBM cards. The tables presented herein are computer tabulations of the data.

Organization of the Tables

In general, the tables contain the usual data presented in such reports for other areas. However, we should like to call your attention to the serial numbers in Tables 1, 2, and 5 and in Tables 3 and 4.

These numbers are used only in this text and only for convenience in cross-referencing. Thus data associated with the well on line 294 of Table 1 have been labeled 294 in Tables 2 and 5 and on Plates 1 and 2. The well is not numbered 294 anywhere else, because in New Mexico we use the convention adapted by the State Engineer and the Water Resources Division, U.S. Geological Survey, in which wells are described by a number that gives its location in terms of township, range, section, and quarter, -quarter-quarter section.

REFERENCES

- Bushman, Francis X., 1963, Ground water in the Socorro valley, in Guidebook of the Socorro region: N. Mex. Geol. Soc., Guidebook, 14th Field Conf., p. 155-159.
- Hall, Francis R., 1963, Springs in the vicinity of Socorro, New Mexico, in Guidebook of the Socorro region: N. Mex. Geol. Soc., Guidebook, 14th Field Conf., p. 160-179.
- 1967, Hydrogeochemistry of the Socorro thermal area, Socorro, New Mexico, in New Mexico's thermal waters, Part II, text and discussion: N. Mex. Inst. Mining Technology, N. Mex. State Bur. Mines Mineral Resources, Open-File Rept.
- Waldron, John F., 1956, Reconnaissance geology and ground-water study of a part of Socorro County, New Mexico: Stanford Univ., Ph. D. dissertation, 255 p.

Explanations for abbreviations in Tables.

Blanks indicate "unknown"

OWNERSHIP:

- F - Federal Government
- M - City
- N - Corporation or Company
- P - Private
- S - State Agency

WATER USE:

- D - Dewatering
- H - Domestic
- I - Irrigation
- N - Industrial
- P - Public Supply
- S - Stock Supply
- U - Unused

WELL USE:

- O - Observation
- T - Test Hole
- W - Withdraw Water
- Z - Destroyed

METHOD DRILLED:

- D - Dug

WELL FINISH:

- F - Gravel Wall, Perforated Casing
- P - Perforated Casing
- T - Sand Point

POWER:

- 1 - Hand
- 3 - Gasoline Engine
- 5 - Electric Motor
- 6 - Wind

7 - LP Gas Engine

- L - Gasoline Engine more than 200 hp
- M - Diesel Engine through 50 hp
- S - Electric Motor through 1 hp
- T - Electric Motor more than 1 to 5 hp
- U - Electric Motor 6 to 15 hp
- V - Electric Motor 16 to 100 hp

TOPOGRAPHIC SETTING:

- S - Hillside (slope)

AQUIFER:

- A - Tertiary-Quaternary
- N - Pennsylvanian
- Q - Quaternary
- T - Tertiary

LITHOLOGY:

- A - Alluvium
- I - Igneous, aphanitic or glassy
- J - Igneous, unconsolidated
- L - Limestone
- P - Clay
- Q - Silt or Loess
- R - Sand and Gravel
- S - Sand
- V - Sandstone
- X - Silty Sand
- YV - Clayey Gravel and Sandstone

DISCHARGE (in GPM):

- B - 0.2
- C - 0.3
- H - 0.8

C - indicates that Sodium and Potassium were calculated

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO

	LOCATION	OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
1	36T01N R01W							
2	SWNWSW23T01S R01E	MOUNYO	4658	P	H	W		
3	NFNENE27T01S R01E	JONES	4659	P	H	W	D	
4	01T01S R01W	R.R.	4680					
5	SESWSW14T01S R01W	HIGGINS	4673	P	H	W		
6	NFSESW14T01S R01W	GIRON	4658	P	H			
7	SE14T01S R01W	BUR.RECC.	4650					
8	NWSWSE14T01S R01W	RAWLINS	4672	P	H			
9	NFNESW15T01S R01W		4840		S	W		1957
10	SESENE22T01S R01W	ARMS.&ARMS.CONNS	4670	N	N	W		
11	SENESW22T01S R01W	CAMPBELL	4750	P	S	W		
12	NFNENW23T01S R01W	SEVEDRA	4670	P	H	W		
13	NWNWSW23T01S R01W	LUNA	4661	P	U			
14	NWSWSW23T01S R01W	S PADILLA	4656	P	H	W		
15	NWSWSW23T01S R01W	M CHAVEZ	4556	P	H	W		
16	SWSWSW23T01S R01W	MONTOYA	4656	P	H			1958
17	NWSWSE23T01S R01W	MRS.EASARRACINO	4630	P	I	W		1951
18	SFSESE23T01S R01W	HOWELL GAGE	4640	P		Z		
19	SFSESE23T01S R01W	G A HILDEBRAND	4653	P	I	W		1956
20	SWSWSW24T01S R01W	HOWELL GAGE	4645	P	I	W		1952
21	NWSENW25T01S R01W	B O RASKOB	4643	P	I	W		1951
22	NFSWSW25T01S R01W	ED PROVINE	4635	P				1947
23	NFSESE26T01S R01W	ED PROVINE	4638	P				
24	NWSWNW26T01S R01W	FRED HULSE	4645	P	H	W		
25	NESENE26T01S R01W	B G RASKOB	4641	P	H	W		1956
26	NFSENE26T01S R01W	B RASKOB	4641					
27	SWSENE26T01S R01W	PAUL WOOFER	4641	P				
28	NFSENE27T01S R01W	H PADILLA	4657	P				
29	SFSENE27T01S R01W	MUNEZ	4670	P	H			
30	NENESE27T01S R01W		4662		H		D	
31	NENESE27T01S R01W	B G RASKOB	4660	P	H	W		
32	SESWSE27T01S R01W	HENSLEY	4692	P	H			
33	NFSESE27T01S R01W	DOBBINS	4663	P	H			1957
34	SFSESE27T01S R01W	ARMS + ARMSCONS	4670	N	H	O		
35	SFSWSW32T01S R01W		5650					
36	NENESE34T01S R01W	MARTIN	4681	P	H			
37	NFSESE34T01S R01W	FRED MARTIN	4670	P	H			
38	SFNWSE34T01S R01W	FRED MARTIN	4713	P	I	W		
39	SWNENW35T01S R01W	HUBERT FALKNER	4643	P				1952
40	SWNENW35T01S R01W	HUBERT FALKNER	4643	P				
41	SFSESW35T01S R01W	FIERRO	4646	P	H			
42	NFSENW35T01S R01W	FALKNER		P	I	W		
43	NWNENW30T01S R02W	BADGER CATTLECO	5819	N	S	W		
44	SFSWNW34T01S R02W	KELLY	6080	P				
45	NWSWNW12T01S R03W	BADGER CATTLECO	5604	N	H	W		
46	NWSWSW12T01S R03W	HUGGINS	5640	P				
47	SWSWSE33T01S R03W	BADGER CATTLECO	6002	N	S	W		
48	SWSWSE33T01S R03W	DONHUGGINS						

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALFNA AREA, NEW MEXICO (CONT)

WELL NO.	DEPTH OF WELL (FEET)	DEPTH CASED OR FIRST PERF.	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSES (*)
						BELOW GROUND SURFACE (FEET)	DATE OF MEASUREMENT MYR			
1	12		3			10	552			
2	45				6				63	*
3	30									
4										
5					5				70	*
6	18					5	552			
7										
8	35				5				70	*
9					6					
10	100		10		3			300	68	*
11	177				6				70	*
12	38				5				68	*
13									63	*
14					6					
15	54				6				64	*
16	28		10		5					*
17	100	35	16	P		8		1200	62	*
18	112	47	16	P		13	451	1035		*
19	112	47	16	P	V	13	451			*
20										
21	72	5		P	V			1800		*
22	150		16	P		9	652	2100		*
23	85		20		3	11	552	1000		*
24	80		6			40	558			*
25	81		6	P		10				*
26	80					10		600		*
27	135					9	552	2100		*
28	35								63	*
29	60		6		3					
30	45									
31	80	60	6			42	558			*
32	80		4		6				64	*
33	60		2		1				66	*
34	100		7					10	48	*
35										
36	160				6				68	*
37					6					
38	200		16	P	V	94	552			
39	70		14			14			66	
40	130		16	F	3	14				
41					5					
42	130				3				66	*
43	280				6	165	660		66	*
44	700									
45	185				6	118	660			*
46						119	762			
47	390				6	301	762		68	*
48						311	867			

TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALENA AREA, NEW MEXICO (CONT)

LOCATION	OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
49 NWSESW05T02S	R01E S M JONES	4720	P	H	W	D	
50 SWSE07T02S	R01E TOM GRIEGO	5370	P				
51 NWNWSE19T02S	R01E WILLIE EMILLIO	4615	P				
52 SWSWNE19T02S	R01E OLSON WELL	4610					
53 NWNWSW19T02S	R01E	4600		U			
54 MNWSEW19T02S	R01E WILLIE EMILLIO	4615	P				
55 MFNESW19T02S	R01E DAVE PINO	4618					
56 MNWSE19T02S	R01E WILLIE EMILLIO	4615	P				
57 NFSWNW30T02S	R01E PAUL EDGINGTON	4600	P				
58 NFESENE30T02S	R01E	4600					
59 NWSENE30T02S	R01E WILLIE EMILLIO	4600	P	S	W		
60 SWSWNW31T02S	R01E V SISNEROS	4603	P	U			
61 MFNENE31T02S	R01E JOSE CHAVEZ	4600	P	H	W		
62 MFNENE31T02S	R01E WILLIE EMILLIO	4600	P				
63 MFNENE31T02S	R01E WILLIE EMILLIO	4600	P				
64 MNWWSW31T02S	R01E P H TORRES	4601	P				
65 SWSWSW31T02S	R01E	4600		S			1951
66 SFSESW31T02S	R01E J T COOK	4602	P	I	W		
67 SFSESW31T02S	R01E COOK-GREENWALD	4602	P	I	W		
68 NFSWSW32T02S	R01E GALINDO	4610	P				
69 SFSWSW32T02S	R01E JOE CHAVEZ	4600	P				
70 SWSWSW01T02S	R01W SANCHEZ	4629	P	H	W		
71 NFESEW01T02S	R01W HAWK	4625	P	H			
72 SWSWNW02T02S	R01W COTTON GIN	4698	N	N	W		
73 MNWWSW02T02S	R01W	4688		U			
74 NFSWSW02T02S	R01W WESTERN COTTON OI	4690					
75 SFSESW02T02S	R01W WEST		P	H			
76 SFSESW02T02S	R01W GARCIA	4663	P	H			
77 SWNWSE02T02S	R01W MANTABES	4655	P	H	W		
78 NWSWSE02T02S	R01W MONTOYA	4651	P	H	W	D	
79 SFSWSE02T02S	R01W GONZALES	4643	P	H	W		
80 SFSESE02T02S	R01W W LAWSON	4620	P	H	W		
81 SFNWNW11T02S	R01W DUKE	4722	P	H			
82 MFNENW11T02S	R01W R SANTILLANES	4677	P	H			
83 SFNENW11T02S	R01W BAJILLOS	4688	P	H	W		
84 SWNWNE11T02S	R01W CHAVEZ	4670	P	H	W	D	
85 MFNENE11T02S	R01W	4630		H	W		
86 MFNENE11T02S	R01W BENAVIDEZ		P	H	W		
87 NWSENE11T02S	R01W R GONZALES JR	4652	P	H	W		1954
88 NFESENE11T02S	R01W ANDY HILL	4640	P				1954
89 SFSENE11T02S	R01W LUM FAKIN	4640	P				
90 MNWSE11T02S	R01W CHAVEZ	4647		U			
91 SFNWSW12T02S	R01W J B KELLY	4630	P	I	W		
92 MFNESW12T02S	R01W	4625					
93 MFNESW12T02S	R01W	4625					1951
94 SWNW13T02S	R01W J B KELLY	4640	P	I	W		
95 NFSWNW13T02S	R01W HORN	4647	P	H	W	D	
96 SFSWNW13T02S	R01W GARNER	4646	P	I	W		

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH OF WELL (FEET)	DEPTH CASED OR FIRST PERF.	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSES (*)	
					BELDW GROUND SURFACE (FEET)	DATE OF MEASUREMENT MYR				
49				1	4	552		61		
50	108	108	5	P					*	
51	63			5			4	64	*	
52					40	366				
53	25						2500		*	
54	13		8	S	3	552	5	62	*	
55	35			1						
56		35	5		6	25	552	64	*	
57	95	85	16	P		10	2700			
58						9	366			
59	13		8		3	5	552	4	59	*
60					6	9	366			
61	35		2	T	6		2	61	*	
62					6					
63					5					
64					S					
65										
66	63	63	16	P	3	8	552			
67	75		18		7	10	366			
68					6	26	366			
69					6					
70	90				5			66	*	
71					1			61	*	
72	120				5					
73										
74										
75	80		6		5			64	*	
76			4		5					
77					1			64	*	
78										
79	50				6			60	*	
80	52				5				*	
81	140		3		1			70	*	
82			4		5					
83	87							63	*	
84								64	*	
85	75		6				5		*	
86	25				1	4629		64	*	
87			6					63	*	
88	70	70	6	P		25	4		*	
89	80	80	6	P			4		*	
90	45								*	
91					3			60	*	
92						23				
93						20	762			
94	104	60	16	P	3	26	552	900	60	*
95	35				1					
96	145				5			63	*	

TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALENA AREA, NEW MEXICO (CONT)

	LOCATION	OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
97	NWNWSW13T02S	RO1W ANDERSON	4651	P	U		D	
98	NWSESW13T02S	RO1W	4646		U			
99	NFNENE14T02S	RO1W	4646		U		D	
100	SWSENE14T02S	RO1W	4690					
101	NFSESW15T02S	RO1W	4627					
102	NWSENW22T02S	RO1W MARTIN		P	H	W		
103	SWNESE24T02S	RO1W WALTERS	4610	P	H			
104	NWNENW24T02S	RO1W SILVA	4628	P	H			
105	NWSWSE24T02S	RO1W	4623		H		D	
106	NENENW25T02S	RO1W SLOAN	4627	P	H	W		
107	NFENW25T02S	RO1W PINO	4618		H		D	
108	SWNWNE25T02S	RO1W HALE	4610	P	I	W		
109	NWNESW25T02S	RO1W CRAWFORD	4630	P	H			
110	NFNESW25T02S	RO1W PAT COLES	4630	P	H			
111	SWNESW25T02S	RO1W STUBBS	4650		H			
112	SENESW25T02S	RO1W P SICKLES	4628	P				
113	SENESW25T02S	RO1W ORTIZ	4645		P			
114	SFNESW25T02S	RO1W ESCONDIDA SCH	4623					
115	NWSESW25T02S	RO1W LOPEZ	4621	P	H	W		
116	NESESW25T02S	RO1W DR.G.GREENE	4623	P				
117	SFSESW25T02S	RO1W KING	4628	P	H	W		
118	SESESW25T02S	RO1W LEBLANC	4633	P				
119	SFSESW25T02S	RO1W L MURRY	4633	P				
120	SESESW25T02S	RO1W SHERIFFLOPEZ	4632	P				
121	SWSWSE25T02S	RO1W FRANK KING	4628					
122	NFSWSW26T02S	RO1W W STATETUB SAN.	4736	S				
123	NFNWSW29T02S	RO1W MARTIN	5070	P	S	W		
124	NWSWNW31T02S	RO1E V SISNEROS	4602	P				
125	NWNENE35T02S	RO1W NEWMEX TUBSAN3	4673	S	H	W		
126	SWSESE35T02S	RO1W OLDSTATEHOSPITA	4682					
127	SFSESE35T02S	RO1W OLD STHOSPITAL	4668					
128	SESESE35T02S	RO1W OLDST.HOSPITAL	4674					
129	NWNWNW36T02S	RO1W N.M TUB.SAN.	4668	S	H	W		
130	SFSWNW36T02S	RO1W	4625		H			
131	SFSWNW36T02S	RO1W FRANK RICHARD	4650					
132	NWSENW36T02S	RO1W	4634					
133	NWSENW36T02S	RO1W	4634					
134	NESENW36T02S	RO1W PURDUE	4630		U		D	
135	NFENW36T02S	RO1W CEMENT PLANT	4633					
136	NESENW36T02S	RO1W V PALE	4629					
137	SWSENW36T02S	RO1W FILMONE SEDILLO	4645	P				
138	SESENW36T02S	RO1W CRESPIN		P	H			
139	SESENW36T02S	RO1W FELIX CRESPIN	4630	P			D	
140	SENWNE36T02S	RO1W V TORRES	4618	P	H	W		
141	NWSWNE36T02S	RO1W V G TORRES	4619	P				
142	SFSWNE36T02S	RO1W PABLO CASTILLO	4610	P				
143	NFNWSW36T02S	RO1W DELONG	4650	P	H			
144	NFNWSW36T02S	RO1W JOE FORARD	4643					

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT.)

WELL NO.	DEPTH OF WELL (FEET)	DEPTH CASED OR FIRST PERF.	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSES (*)
						BELOW GROUND SURFACE (FEET)	DATE OF MEASUREMENT MYR			
97	40								63	*
98										
99										
100	200									
101										
102	254				6				73	*
103	33								64	*
104	20				6				63	*
105	22								64	*
106	52				5				68	*
107									66	*
108	137		16					2300		*
109	40				5					
110	33		8					5		*
111					5				68	*
112	47		8		S	25	263			
113			6		6					
114			6		S					
115									66	*
116			6		S					
117	40				6				66	*
118			3		6	37	263			
119			6		S					
120			6		S	33	159			
121			6		S					
122			6		6					
123					6					*
124	13				1					
125	180		7		5	90		52	66	*
126			6							
127										
128										
129	110				5				66	*
130	105				5				68	*
131					5					
132						41	263			
133					5					
134									72	*
135					S					
136			6		S					
137			6		S					
138	40		8							*
139			1		S					
140	42				5				64	*
141			6		6	20	662			
142	60									
143	80				5				68	*
144			8		5					

TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALENA AREA, NEW MEXICO (CONT)

LOCATION	OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
193	NFENESE19T02S R02W	J.B.KELLY	5835				
194	NFENESE19T02S R02W	J.B.KELLY	5835				
195	NWNWSW20T02S R02W	J.B.KELLY	5838	P	H	W	
196	NWNWSW20T02S R02W	J.B.KELLY	5855				
197	SWSWSW21T02S R02W	J.B.KELLY	5864	P	S	W	
198	SWSWSW21T02S R02W	J.B.KELLY	5860				
199	SFSENE28T02S R02W	KELLY	5835				
200	NFSWSE34T02S R02W	P. STROZZI	5795	P	S	W	
201	NFSWSE34T02S R02W	P. STROZZI	5780				
202	NFNESW35T02S R02W		5715				
203	SWNESW35T02S R02W	P. STROZZI	5714	P	H	W	
204	NFNWSW35T02S R02W	P. STROZZI	5700				
205	NFNWSW01T02S R03W	DON HUDGINS					
206	NFNESW01T02S R03W	BADGER CATTLECO	5874	N	S	W	
207	SFSESW07T02S R03W		6240				
208	SWSWSE07T02S R03W	LA TOSSA	6243	P	H	W	
209	SWSWSW11T02S R03W	GRAY	5946	P	S	W	
210	NFSENW17T02S R03W	LATASTA EST.					
211	NWNWNW22T02S R03W		6020				
212	NWNWNW22T02S R03W	LATASA EST.	6015				
213	SFNWNW22T02S R03W	LA TOSSA	6016	P	S	W	
214	SWSENE23T02S R03W		5870				
215	NWNWSE24T02S R03W	A. STROZZI	586	P	H	W	
216	SWSWNW25T02S R03W	A. STROZZI	5955				
217	SWSWNW25T02S R03W	J.B.KELLY	594	P	S	W	
218	SWNESE27T02S R03W	J. COURTNEY	6057	P	H	W	
219	SWNESE27T02S R03W	J. COURTNEY	6040	P	H	W	
220	NFSWNE27T02S R03W		6060				
221	NWSESW12T02S R04W	BATCHLER	6379	P	H	W	
222	SWSWSE13T02S R04W	TRUJILLO	6438	P	H	W	
223	SESWSE13T02S R04W	PINO	6435	P	H	W	
224	SWSWSW22T02S R04W	JOE WILSON	6740				
225	SFSWSE22T02S R04W	R. PINO	6595	P			
226	SWSENW23T02S R04W	WOODLEE	6555	P	H		
227	NWNESW23T02S R04W	WALLACE	6559	P	H	W	
228	SWSWSW24T02S R04W	MRS. G.C. WALLACE	6680	P	S	W	
229	SWSWSW24T02S R04W	MRS. G.C. WALLACE			U		1950
230	NWNWNE24T02S R04W	TONY TRUJILLO	6425				
231	NWNWNE24T02S R04W	TONY TRUJILLO					1963
232	SWNE26T02S R04W	MRS. G.C. WALLACE		P	S	W	1926
233	SENESE26T02S R04W	ROU STENDEL	6820	P	S	W	1945
234	NWSWSW26T02S R04W	MRS. J. L. BEEMAN	6720	P			
235	SWSWSW26T02S R04W	TANT	6720	P	H		
236	SFSESW26T02S R04W	DON HUTCHISON	6800	P			
237	NWNWNW27T02S R04W	L. PINO	6557	P	H		
238	NWNENE27T02S R04W	R. PINO	6610	P	H		1962
239	SWSENE27T02S R04W	F. E. JAMES	6640	P			1961
240	NWNW35T02S R04W	MAGDALENA	6780				

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH OF WELL (FEET)	DEPTH CASED OR FIRST PERF.	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSES (*)
					BELOW GROUND SURFACE (FEET)	DATE OF MEASUREMENT MYR			
193		14			122	867			
194	139			6	121	867			
195	160			6	131	762			*
196									
197	181			6	156	762			
198					152	867			
199	200								
200	134			6	100	660	66		*
201					89	867			
202					24	762	59		*
203				6	22	660	60		*
204					23	867			
205				6	175	867			
206	160			6			73		*
207				6	204	762			
208	325			6			70		*
209				6	244	867	68		*
210				6	473	867			
211					312	762			
212				6		867			
213	315			6			2		*
214					205	762			
215	160			6	158	660			*
216									
217	280			6					*
218	420			3	347	660	73		*
219	415			6	348	867			
220					348	762			
221	158			6			64		*
222				6					*
223				6	155	660			
224									
225	190	8			180	563	25		
226	210			5	169	660			
227	150			6	138	660			*
228	85	6			79	767			
229	730	6			66	767			
230				6	188	867			
231					153	867			
232	140	140	6	P	131	767	2	60	
233	166	30	8		85	767		62	
234	100								
235	125			6	59	660			
236	160				99				
237	140			6	118	660			
238	190				184	660			
239	240								
240	134			7	60		10		

TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALENA AREA, NEW MEXICO (CONT)

	LOCATION		OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
241	NWNW35T02S	R04W	DON HUTCHISON	6760	P				
242	SWNESW35T02S	R04W	AM SMELTINGREF	6850	N			D	
243	NWSEW35T02S	R04W	AMSMELTINGREFCO	6870	N			D	
244	SFNWSW04T03S	R01E		5240					
245	SFSWSW06T03S	R01E	SAILSBERY	4593					
246	SWSESW06T03S	R01E	DUGGINS	4600	P				
247	NWNESE06T03S	R01E	BAMERTGREENWALD	4597	P	I	W		
248	SFSWSE06T03S	R01E	BAMERT	4597	P				
249	SFSESW06T03S	R01E	WINDERS	4600	P	H	W		
250	SWSWNE06T03S	R01E		4600					
251	SFSWNE06T03S	R01E		4597					
252	NWSENE06T03S	R01E		4600					
253	NWNESW06T03S	R01E		4600					
254	NWNEW06T03S	R01E	BUR. OFREEL	4600					
255	NFNW06T03S	R01E		4600					
256	NWNEW06T03S	R01E	JTCOOKGREENWALD	4602	P	H	W		
257	SFNENW06T03S	R01E		4600					
258	NFSW06T03S	R01E	R R HENDRIX	4598					
259	SFSW06T03S	R01E	J L BROWN	4595	P				
260	SWNWNE06T03S	R01E	M JOHNSTON	4599	P	I	W		
261	SWSEW07T03S	R01E	TOL M JOHNS	4600	P				
262	SFNWNE07T03S	R01E	BAMERT	4600	P				
263	NWSEW07T03S	R01E	H LESSON	4592	P				
264	NWNEW07T03S	R01E	M GONZALES	4592	P		W		
265	NFNW07T03S	R01E	HAMOCK	4600	P				
266	NFNW07T03S	R01E	P G SMITH	4596	P				
267	SWSW07T03S	R01E	AGRIC MRKT ASS.	4600		N	I		
268	SWNWSW07T03S	R01E	GUNTER KROGGEL	4589	P	I	W		
269	SWNWSW07T03S	R01E	SAM LANE	4589	P	U	W		1948
270	SFNWSW07T03S	R01E	W L JONES	4600	P	H	W		
271	SFNWSW07T03S	R01E	AGR MRKT ASSOC.	4587	N				
272	SWNEW07T03S	R01E	WILLIE LUCERO	4600	P		W		
273	SWSW07T03S	R01E	GUNTER KROGGEL	4600	P		W		
274	NWSEW07T03S	R01E	SAM BOWMAN	4591	P		W		
275	SWNWSE07T03S	R01E	R J FINLEY	4590	P		W		
276	SWSWSE07T03S	R01E	J R LUKESH	4590	P		W		
277	SWNWSW17T03S	R01E	ELMER HAMPTON	4589	P	I	W		
278	SWNEW18T03S	R01E	GRAY	4600	P		W		
279	SWSEW18T03S	R01E	C C ZIMMERMAN	4600	P				1955
280	SFSEW18T03S	R01E	W BEJNAR	4588	P				
281	SWNWNE18T03S	R01E	BERNARD GRAY	4600	P		W		
282	SWSWNE18T03S	R01E		4588					
283	NWNSW18T03S	R01E	LUCERO	4600	P		W		
284	SWSEW18T03S	R01E	GALLEGOS	4600	P		W		
285	SFSEW18T03S	R01E	GALLEGOS	4600	P		W		
286	SFSEW18T03S	R01E	S BAMERT	4584	P		W		
287	NWSEW18T03S	R01E	ELMER HAMPTON	4587	P				1954
288	NWNSW18T03S	R01E	UDELL VIGIL	4588		I	W		

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH OF WELL (FEET)	DEPTH CASED OR FIRST PERF.	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSES (#)
					BELOW GROUND SURFACE (FEET)	DATE OF MEASUREMENT MYR			
241		8			33	662			
242	250								
243	250								
244					110	363			
245		2		S					
246		2		S					
247		18	P	M	8	366			
248		2							
249							5		*
250									
251		2		S					
252				S					
253		1		6					
254	8				5	552			
255				5					
256	100	6		S					
257					11	366			
258									
259		1		S					
260	71	18		M	10	366			
261	35	2		S					
262		2		1					
263		1		5					
264		2		1					
265	16	1		S					
266		1		5					
267	86	10		V			860		
268		14		M	8	159			
269					8	366			
270	21	2	T				320	59	
271	22	2							
272		1		S					
273		4		S					
274		1		S					
275		1		S					
276									
277	120	16		V	13	366			
278		1		1					
279	55								
280	85			S	8		20		
281		1		S					
282		1		1					
283		6		6					
284		2		6					
285	65	6	P						
286		5		5	7	662			
287									
288	100	16	P	V	14	366			

TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALEÑA AREA, NEW MEXICO (CONT)

LOCATION	OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
289	MFSENW18T03S R01E	WEEKS	4600	P			
290	SWSWNW18T03S R01E	MONTGOMERY	4593	P	I	W	
291	SFSENW19T03S R01E	HOPE FARMS	4591	P	I	W	
292	SFSENW19T03S R01E	HOPE FARMS	4600	P		W	
293	SFSENW19T03S R01E	HOPE FARMS	4600	P	H	W	
294	MFSENW19T03S R01E	SIMMS	4600	P		W	
295	SFSENW19T03S R01E	HOPE FARMS	4600	P	S	W	
296	SFSENW19T03S R01E	SIMMS	4590	P	I	W	1951
297	SFSENW19T03S R01E	HOPE FARMS		P	I	W	
298	SFSENW19T03S R01E	HOPE FARMS		P	I	W	
299	SFSENW19T03S R01E	SIMMS	4590	P	I	W	
300	SWSWNW19T03S R01E	SIMMS	4589	P		W	1956
301	MFSENW19T03S R01E	HOPE FARMS	4600	P		W	
302	MFSENW19T03S R01E	HOPE FARMS HO	4600	P			1955
303	MFENSEF20T03S R01E	S M JONES	4617	P	I	W	1955
304	SENESEF20T03S R01E	S M JONES	4700	P			1956
305	SFNWNW29T03S R01E	HOPE FARMS GIG	4600	P	I	W	
306	SFNWNW29T03S R01E	SEIMMS RANCH	4579	P	I	W	
307	NWNWNE30T03S R01E	SIMMS	4600	P			
308	NFSWSF30T03S R01E	HOPE FARMS	4600	P	S	W	
309	SENESE30T03S R01E	HOPE FARMS	4600				
310	NFSWSF30T03S R01E	SIMMS	4575	P			
311	SFSWSE30T03S R01E	SIMMS	4573	P			
312	SFNWNW31T03S R01E	VIRGIL B SAGE	4597	P			
313	SWNENW31T03S R01E	JAMES C NORRIS	4600	P			
314	SFENENW31T03S R01E	M JOHNSTON P	4597				
315	NWSENW31T03S R01E	EDWARD SMITH	4600	P			
316	NWSENW31T03S R01E	BRAMMER	4596	P			
317	MFSENW31T03S R01E	S H YOUGHOOD	4600	P			
318	NFSWNW31T03S R01E	J F CONNOLLY	4600	P			
319	SWSENW31T03S R01E	G C DEAN	4600	P			
320	SWSWNE31T03S R01E		4598				1952
321		U.S.R.R.	4475		H		
322	NWNENW01T03S R01W	WOODS	4600				
323	NWSENE02T03S R01W	HAROLD OLSEN		P	I	W	
324	02T03S R01W	MIKE LOPEZ		P			
325	02T03S R01W	OLD MONTOYA PLA					
326	SFNWNW01T03S R01W	JOE GINAREA	4608	P		W	
327	SWSWNW01T03S R01W	DEAN	4608	P	I	W	
328	MFSENW01T03S R01W	JOE GIANERA	4601	P		W	
329	SFSENW01T03S R01W	NEWBERRY	4605	P		W	
330	SESENW01T03S R01W	A.L.PORLER	4605	P		W	
331	NWNWNE01T03S R01W	JOJOLA	4605	P	D	W	
332	SWNWNE01T03S R01W	JOE GINERA	4605	P			
333	NWNENE01T03S R01W	GRADY HILL	4595	P			
334	NWNENE01T03S R01W	DEAN	4568				
335	NWNENE01T03S R01W	DEAN	4600	P		W	
336	MFNENE01T03S R01W	WHISENANT	4597	P		W	

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

WELL NO.	DEPTH OF WELL (FEET)	DEPTH CASED OR FIRST PERF.	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSES (#)
						RFLOW GROUND SURFACE (FEET)	DATE OF MEASUREMENT MYR.			
289	40									
290	100	100	16	P	V	15	366	2000		
291	113		10	P	V	15	359	1000	60	*
292										
293	90		6			20	359	10		*
294										
295	80		5					20		*
296			6		V	16	366			
297		23		P	5			2300		
298	145				5			1500		
299			8		V	15	366			
300			6		T					
301	100							3700		
302										
303	150	80	16	P		64	366	1000	64	
304	150	80	16	P		61	166	1000	64	
305	90		16					2500	55	*
306			18		V	9	366			
307										
308	25		2	T						*
309										
310					1					
311			2		S					
312	60		1		S					
313	48		1		5					
314	75		12			8	263			
315			3		S					
316	52		1		S					
317	48		4		5					
318			2		S					
319	38		1		S					
320			16		V	12	366			
321	142		8	P		18		94		*
322	250				6					
323	100					29	767			
324	51				6	50	767			
325	37		4			30	767			
326						21	365			
327					5	2	36			
328					S					
329					S					
330					S					
331						8	263			
332						11	366			
333					S					
334	30		4		S	10	365			
335					S					
336	125		7							*

TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALENA AREA, NEW MEXICO (CONT)

LOCATION		OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED	
337	NFNENE01T03S	R01W	P. WHISENANT		4600	P	D	W	
338	NFNENE01T03S	R01W			4600	P		W	
339	NFNENE01T03S	R01W	M. D. JOHNSTON		4597	P	D	W	
340	SFNENE01T03S	R01W	C. W. JOHNSON		4600	P	I	W	
341	NFSWNE01T03S	R01W	WILLIAM		4600	P		W	
342	NFSWNE01T03S	R01W	FIDEL TORRES		4600	P		W	
343	SFSWNE01T03S	R01W	CASA BLANCA		4600	P			
344	NWSENE01T03S	R01W	SIPES		4600	P			
345	NFNESW01T03S	R01W	PEDRO R. MONTAÑA		4600	P		W	
346	NWNWSE01T03S	R01W	TOLLIVER		4592	P	D	W	
347	SWNWSE01T03S	R01W	F. S. PHILLIP		4598	P		W	
348	SWNWSE01T03S	R01W	A. WILLIAM		4598	P		W	
349	SWNESE01T03S	R01W	HEFNER		4592	P	I	W	
350	SWSESE01T03S	R01W	AKE MOTEL		4597	P		W	
351	SFSESE01T03S	R01W	HICK		4595	P		W	
352	SFSESE01T03S	R01W	HICK		4589				
353	NESWNE02T03S	R01W	OLD ADAMSCMENT		4640				
354	NWSENE02T03S	R01W	HAROLD OLSEN		4610	P	D	W	
355	NWSENE02T03S	R01W			4616		D	W	
356	SWNESE02T03S	R01W			4620		H		
357	NWNESE02T03S	R01W			4615				
358	NWNESE02T03S	R01W			4617				
359	NWNESE02T03S	R01W	SMITH		4610	P			
360	SWNESE02T03S	R01W			4620				
361	SWNESE02T03S	R01W	OLSON		4611	P			
362	NWSESE02T03S	R01W	MRS. CONYB BROWN			P	H	W	1951
363	NWSESE02T03S	R01W	MRS. EVA LEWIS		4630	P	H	W	
364	NWSESE02T03S	R01W			4620				
365	SFSESW03T03S	R01W			4780				
366	SFSESW03T03S	R01W	NMIMT RESEARCH		4785				
367	SWSWSE04T03S	R01W			5500				
368	SFNWSW07T03S	R01W	LANE		4645		U		
369	NFNENE09T03S	R01W	SANFORD 1+2		5957				
370	NFNENW10T03S	R01W	VACQUIER WELL		4890				
371	SWSENE10T03S	R01W	NMIMTRES. TASKW		4728				
372	NWNWNE11T03S	R01W	NMIMT		4656				1954
373	NFNWNE11T03S	R01W	E J WORKMAN		4630	P			
374	NFNWNE11T03S	R01W			4630				1954
375	NFNWNE11T03S	R01W	E J WORKMAN		4637	P	I	W	
376	SFNWNE11T03S	R01W	NMIMT HOLMES		4655				1951
377	SFNWNE11T03S	R01W	NMIMT HOLMES				I		
378			NMIMT		4658		H		
379	SFNENE11T03S	R01W	MCNIFRNEY		4628		U		
380	NWSENE11T03S	R01W	63 BUSHMAN		4635				1954
381	NWSENE11T03S	R01W	NMIMT RESEARCH		4635				1963
382	NWSENE11T03S	R01W	NMIMT		4635		I		
383	NWSENE11T03S	R01W	NMIMT		4630				
384	NWSESW11T03S	R01W	AIR FORCE NMIMT		4760				

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH OF WELL (FEET)	DEPTH CASED OR FIRST PERF.	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSES (#)
					BFLOW GROUND SURFACE (FEET)	DATE OF MEASUREMENT MYR			
337				5	10	366			
338				S					
339	25	2							*
340	90	12		3					*
341	70	5		S					
342				1					
343									
344				S					
345				S					
346				5					
347									
348				S					
349				T	6	366			
350				5	7	366			
351									
352									
353					36	366			
354	100			5					*
355				6	29	063			
356	35				37	662		64	*
357									
358									
359									
360									
361		18			28	366			
362	314	6	28	0					*
363	70	70	6				4	63	
364				5					
365					63	366			
366					70	366			
367								103	*
368				6				61	*
369					54	366			
370	236								
371	185	12		5	148	366	100	69	
372	120	12			74	866	350	64	
373	117	40	P		54	465	400		*
374					117	366			
375	118	12		U	55	366		66	*
376					76	366			*
377	112				90		350		*
378				5				64	*
379		8			64	358			
380					67	063			
381	115				55	366		66	*
382					61	366		62	*
383									
384					185	366			

TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALENA AREA, NEW MEXICO (CONT)

LOCATION	OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
385	SFSENE11T03S R01W NMIMT						
386	NFNWNW12T03S R01W MCNIERNEY	4606		U			
387	NWNENW12T03S R01W FRANK MAHER	4601					
388	NFSWNW12T03S R01W SHIRLEY GIRARD	4615	P				
389	NFSWNW12T03S R01W PAVLOCK	4610					
390	SWSWNW12T03S R01W NMIMT	4616		U			1957
391	SFSWNW12T03S R01W B. RICHARDSON	4615					
392	SWNE12T03S R01W	4595					
393	SENE12T03S R01W	4593					
394	NWSENE12T03S R01W	4593					
395	SWSENE12T03S R01W JOHN MCHUE	4593					
396	NWNWSW12T03S R01W NMIMT OLSEN	4620					
397	NWNWSW12T03S R01W MANNING	4634					
398	SWNWSW12T03S R01W	4635					
399	NWNESW12T03S R01W WOODWARD	4610	P	I	W		
400	NWNESW12T03S R01W ERNEST MOORE	4612	P				
401	SWNESW12T03S R01W CARL DAGOSTINO	4510					1960
402	SFNESW12T03S R01W CITY OF SOCORRO	4605	M	P			
403	SFSESW12T03S R01W CARL OLIVER	4630					
404	NWSESE12T03S R01W MRS ARORA	4602					
405	SFSESE12T03S R01W H. SNODGRASS	4592	P	H	W	D	
406	SWNWNW13T03S R01W	4670					
407	SWNENW13T03S R01W	4655					
408	SFNENW13T03S R01W W J FATON	4640					
409	SWSWNW13T03S R01W ALVIN PEARCE	4683					
410	SWNWE13T03S R01W A W EOELN	4635	P	H			
411	SFNWE13T03S R01W	4617					
412	SENE13T03S R01W	4603					
413	SFNE13T03S R01W SOCORRO H S	4597					
414	NWSWE13T03S R01W H O BURSUM	4638					
415	NWSWE13T03S R01W SAM LANE	4636	P	H	W		
416	NFSWE13T03S R01W MISS HERRICK	4610	P				
417	NFSWE13T03S R01W	4632					
418	NFSWE13T03S R01W HUSTON	4617	P				
419	NFSWE13T03S R01W C. WAGGONER	4617	P				
420	SWSWE13T03S R01W SMITH	4630					
421	SWSWE13T03S R01W HARRIET	4630	P	I	W		
422	SWSWE13T03S R01W	4630					
423	SFSWE13T03S R01W ISSAC CHAVEZ	4629	P				
424	SFSWE13T03S R01W BARNET	4628	P				
425	NWSENE13T03S R01W LA CASITA	4614					
426	SWSENE13T03S R01W GEORGE SICKLES		P	H	W		
427	SWSENE13T03S R01W SICKLES	4624	P	H			
428	SWSENE13T03S R01W LA CASITA	4610					
429	NWNWSW13T03S R01W WILLIAM MCCARTHY	4693		H			
430	NESW24T03S R01W FAIR GROUNDS	4660		H			
431	NWNWSE13T03S R01W CHAVEZ	4648	P	H	W		
432	NWNWSE13T03S R01W DAVIS CHAVEZ	4627					

TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALENA AREA, NEW MEXICO (CONT)

LOCATION	OWNER	ALTITUDE (FEET)	OWNER-- SHI-	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
433	MFNESE13T03S	R01W					
434	MFNESE14T03S	R01W					
435	SFNESE14T03S	R01W	TIBORCIO SILVA				
436	SFSWNE14T03S	R01W	SOCORRO CITY		P		
437	NWNESW14T03S	R01W					
438	SENESE14T03S	R01W	MRS. HILL				
439	MFNESE16T03S	R01W	NMIMT				
440	SWSWNE16T03S	R01W	NMIMT				
441	SFSWSW16T03S	R01W					1956
442	SWNESW16T03S	R01W	BLUE CANYON		H		
443	SFSENE19T03S	R01W	SEDILLO ALLOTME				
444	NFSWNE20T03S	R01W	NMIMT				
445	NWNWSE20T03S	R01W	SEDILLO GRAZING				1961
446	SWSWNE23T03S	R01W	N. M. NAT'L GUAR				1952
447	NWSWNE24T03S	R01W	SIERRA DRIVE-IN				1957
448	SFSENE24T03S	R01W	MONROE MILL				
449	SFSENE24T03S	R01W	KING WELL				
450	NFNWSW24T03S	R01W	FAIR GROUND		I		
451	NWSWSE24T03S	R01W	HAMPTON		P		
452	NWSWSE24T03S	R01W	HAMPTON		P		
453	NWSWSE24T03S	R01W	N.M.H. DEPT.				
454	SFSWSE24T03S	R01W	J. THOMAS				
455	NWSWNE25T03S	R01W					
456	SWSWNE25T03S	R01W	SOCORRO AIRPORT				
457	NWSWNW26T03S	R01W	OLDAMBROSIAMILL				
458	NWNWSW26T03S	R01W	ROADSMININGMILL		N		
459	NWSWSW27T03S	R01W	RHODES MILL		N		
460	SWSWNE33T03S	R01W	SADILLO ALLOTME				
461	NFNWNE01T03S	R02W	P STROZZI		P	U	D
462	SFNESE08T03S	R02W	WATERCANYONLOND			H	
463	SWNESE17T03S	R02W	A STROZZI		P	S	
464	NWNWNW20T03S	R02W	F STROZZI		P	S	
465	SWNENW23T03S	R02W	SEDILLO		P	S	
466	SWNENW23T03S	R02W	SEDILLO ALLOTME			S	
467	SFSESE23T03S	R02W	SEDILLO		P	U	
468	SFSESE23T03S	R02W	SEDILLO ALLOTME			U	D
469	SWSWSW24T03S	R02W	SEDILLO ALLOTME			U	
470	NWNWNW25T03S	R02W					
471	NWNWNW25T03S	R02W					
472	NWNE25T03S	R02W	SEDILLO ALLOTME				D
473	NFNWNE25T03S	R02W					
474	SWSWSE25T03S	R02W					
475	NFNENE26T03S	R02W	SEDILLO ALLOTME			S	
476	NFNENE26T03S	R02W	SEDILLO ALLOTME				W
477	NFNWNE36T03S	R02W	SADILLO ALLOTME				D
478	NFNWNE01T03S	R03W	STROZZI ALLOTME				
479	NFNWNE01T03S	R03W	F STROZZI			S	
480	NFNWSW03T03S	R03W	PAPA RANCH				

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH OF WELL (FEET)	DEPTH CASED OR FIRST PERF.	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSES (*)
					8FLOW GROUND SURFACE (FEET)	DATE OF MEASURE- MENT MYR			
433				6					
434					104	666			
435		6		T					
436	300	16		V			250	66	*
437					195	366			
438		10		V	188	N63			
439	60								
440									
441	104								
442	300	251	6	P	5	210	56	20	*
443	64								
444	15								
445	58					767			
446	300				240	661			
447		6		S	136	453	7	64	
448	175	8		5	102				
449		161	6	P					
450		6		S	215	N63			
451	65			5					
452				1					
453		4		S					
454		6		6	185	366			
455									
456	220	8		S	186	N63			*
457				5	371	366			
458	440	440	8		370		100		*
459	285						6		*
460	58	6		6	24	767			
461		48			22	760			
462				5	355	660		64	*
463	400			6	380	660			
464	540			6	440	660			
465				6	113	466		64	*
466	173	5		6	111	767			
467	100								
468	30				30				
469	30								
470				6	124	762			
471					27	466			
472	30								
473				6	28	466			
474									*
475	180			6	120	767			
476					27	767			
477	155				41	767			
478				6	391	867			
479	385			6	368	660			
480					57	762			

TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALENA AREA, NEW MEXICO (CONT)

	LOCATION	OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
481	NWSENE10T03S R03W		6831		H			1965
482	NFENESE10T03S R03W	STROZZI ALLOTME	6740			T		
483	NFNWSE10T03S R03W	S. STROZZI	6810					
484	SWNWSW11T03S R03W	S. STROZZI	6650					
485	SENWSW11T03S R03W	S. STROZZI	6650					
486	NWSWSW13T03S R03W	CIBOLA NATL FOR	6520					
487	NWNESW13T03S R03W		6480					
488	NFSWSW21T03S R03W							
489	NFNWNE23T03S R03W	HALL	6593	P	H		D	
490	NWNENE23T03S R03W	CIBOLA NAT, LFOR	6580					
491	NFSESW23T03S R03W	KELLY	6677		H			
492	NFSESW23T03S R03W	KELLY			H			
493	NWNWSE23T03S R03W		6680					
494	NWNW26T03S R03W		7000					
495	NWNW26T03S R03W		7000					1890
496	NWNWNW26T03S R03W	SANTA FE R.R.	6680				D	
497	NWNWNW26T03S R03W	CIBOLANATFORFST	6800		S			
498	SWNWNW26T03S R03W	CIBOLANATFORFST	6800					
499	NWNWNE27T03S R03W		7000					
500	NWNWNE27T03S R03W	CIBOLA FOREST	7000		S			
501	NFSWSW34T03S R03W	CIBOLA FOREST	7200		S			
502	NWNENW02T03S R04W	DONALDHUTCHISON	6915					
503	NWNWNE02T03S R04W	DON HUTCHISON	6950					1938
504	NWNWNE02T03S R04W	DON HUTCHISON	6950				D	
505	SFNESW11T03S R04W	DON HUTCHISON	7350				D	
506	NW12T03S R04W		7200					
507	SFSESE05T04S R01E	FRANK FERNANDEZ	4575	P	S			
508	06T04S R01E	KÖPPFL BROTHFRS	4575	P				
509	SWSWNW06T04S R01E	MIKE PADILLA		P	H			
510	SFSENE08T04S R01E	CALSO OTERO	4575	P	S			1952
511	NENESE08T04S R01E	AMBROSE ARMIJO	4575	P	H			
512	NENESW16T04S R01E	FRANK FERNANDEZ	4575	P	H			
513	NE17T04S R01E	LAWTON MUNCY	4575	P				
514	NWSWNE17T04S R01E	TOCCIVER	4560	P	I			
515	SWSE20T04S R01E	WALTER DUNCAN	4550	P	I			
516	SWSENE21T04S R01E	JOHNNIE VIGIL	4560					
517	NWNW27T04S R01E		4560					
518	SE30T04S R01E	ROBERT OLGUIN	4625	P				
519	NENESW32T04S R01E		4540					1955
520	NFNWNE22T04S R01W	MCA 11 NEW	5000					
521	NWNWNW23T04S R01W	MCA #2 OLD	5000					
522	NWNENW23T04S R01W	MCA #2	5000					
523	NE17T05S R01E	APACHE LAND CO.	4520		I			

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH OF WELL (FEET)	DEPTH CASED OR FIRST PERF.	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSES (*)
					BLOW GROUND SURFACE (FEET)	DATE OF MEASURE- MENT MYR			
481	150			6					
482	1850				175	767			
483	150	5		6	88	767			
484	660	480	6		470	767			
485	600								
486				6	76	767			
487					74	466			
488	61				20	767			
489	95			5	70	660			
490	85			6	59	767		59	*
491	40				5	466			
492	65	5		6	17	767			
493					8	466			
494									
495								36	*
496									
497							40	64	*
498							30	73	*
499							2	45	*
500								48	*
501								45	*
502	125								
503	68				63				
504	150			5	64				
505				6	9	662			
506									
507	100	5		6	22	552		67	*
508	89	16	P		68	454			
509	40	5			15	955	2		*
510	15	5		6				64	*
511	22	18	6	3	8	552		62	*
512				6	14	552		68	*
513	125	57	16	P					
514									
515	89	16	P	5					*
516				6					
517				6	10	552			
518	154	154	18	P					
519		61		P					
520	570	565	12	P					
521	503		12		3	480	800		
522	503					423	500		
523	119	42	18	P					*

TABLE 2. RECORDS OF CHEMICAL ANALYSES OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO
(CONCENTRATIONS IN PPM EXCEPT AS NOTED)

LOCATION	DATE OF COLLECTION	TEMPERATURE (FAHR.)	PH	SILICA	CALCIUM	MAGNESIUM	SODIUM	POTASSIUM	BICARBONATE
2 SWNWSW23T01S R01E			7.4	.	213.	77.	545.	.	263
5 SESWSW14T01S R01W	32061	70	7.5	.	259.	96.	519.	.	264
8 NWSWSE14T01S R01W	31861	70	7.7	.	110.	31.	181.	.	312
10 SESENE22T01S R01W		68	7.5	50.	.	.	554.	.	196
11 SENESW22T01S R01W		70	7.5	.	171.	49.	264.	.	356
12 NENENW23T01S R01W			7.5	.	195.	60.	647.	.	337
13 NWNWSW23T01S R01W			7.4	.	400.	132.	683.	.	263
15 NWSWSW23T01S R01W			7.7	.	171.	64.	509.	.	390
16 SWSWSW23T01S R01W			7.7	.	186.	62.	505.	.	371
17 NWSWSE23T01S R01W			7.8	38.	.	.	320.	1.1	351
19 SESESE23T01S R01W	41151		.	38.	156.	49.	339.	C.	232
21 NWSENW25T01S R01W	52852		7.4	28.	75.	10.	93.	.	207
24 NWSWNW26T01S R01W	52858		7.8	30.	.	.	536.	8.8	350
26 NESENE26T01S R01W			7.6	53.	154.	43.	202.	C.	249
			7.7	.	94.	23.	310.	.	366
28 NESENE27T01S R01W			7.7	.	142.	44.	360.	.	390
31 NENESE27T01S R01W	52858		7.5	31.	.	.	214.	6.6	508
32 SESWSE27T01S R01W			7.6	.	150.	31.	140.	.	293
33 NESESE27T01S R01W			7.3	.	177.	41.	141.	.	366
34 SESESE27T01S R01W	31458		7.6	26.	.	.	110.	.	351
36 NENESE34T01S R01W			7.8	.	80.	15.	58.	.	190
42 NESENE35T01S R01W			7.8	.	72.	26.	115.	.	263
43 NWNENW30T01S R02W			7.9	.	22.	6.	33.	.	141
45 NWSWNW12T01S R03W			.	.	42.	.	.	.	.
47 SWSWSE33T01S R03W			7.7	.	34.	8.	23.	.	156
50 SWSE07T02S R01E	52352		.	.	.	.	.	.	.
51 NWNWSE19T02S R01E	52252		.	.	.	.	.	.	.
53 NWNWSW19T02S R01E	42358		7.7	21.	.	.	84.	.	217
54 NWNESW19T02S R01E	52052		.	.	.	.	.	.	.
56 NWNWSE19T02S R01E	52252		.	.	.	.	.	.	.
59 NWSENE30T02S R01E	52352		.	.	.	.	.	.	.
61 NENENE31T02S R01E	52352		.	.	.	.	.	.	.
70 SWSWSW01T02S R01W			8.0	.	74.	15.	36.	.	171
71 NESESW01T02S R01W			7.5	.	62.	9.	183.	.	268
75 SESESW02T02S R01W			7.5	.	214.	33.	179.	.	430
77 SWNWSE02T02S R01W			7.5	.	150.	25.	263.	.	478
79 SESESE02T02S R01W			7.6	.	203.	40.	162.	.	342
80 SESESE02T02S R01W			.	.	120.	19.	.	.	.
81 SENWNW11T02S R01W			7.7	.	121.	26.	85.	.	307
83 SENENW11T02S R01W			7.7	.	128.	21.	95.	.	273
84 SWNWNE11T02S R01W			7.7	.	98.	23.	238.	.	351
85 NENENE11T02S R01W	1 58		8.0	26.	.	.	133.	6.6	139
86 NENENE11T02S R01W			7.2	.	218.	40.	259.	.	425
87 NWSENE11T02S R01W			7.5	.	253.	62.	148.	.	503
88 NESENE11T02S R01W			.	25.	.	.	.	.	408
89 SESENE11T02S R01W	5 54		.	24.	.	.	.	86.	290
91 SENWSW12T02S R01W			7.5	.	230.	56.	328.	.	542
94 SWNWNW13T02S R01W	72952		.	33.	244.	41.	.	.	480

TABLE 2. RECORDS OF CHEMICAL ANALYSES OF WELLS (CONT)

	CARBONATE	SULFATE	CHLORIDE	FLUORIDE	BORON	ALUMINUM	IRON	HARDNESS		TOTAL DISSOLVED SOLIDS	SPECIFIC CONDUCTANCE
								CALCIUM MAGNESIUM	NON- CARBONATE		
2		830.	676.	.	.	.	.	848		2370	
5		800.	796.	.	.	.	.	1044		2810	
8		310.	154.	.	.	.	.	408		948	
10		861.	1180.	.3	.	.	.	1520	1360		
11		500.	276.	.	.	.	.	628		1538	
12		870.	680.	.	.	.	.	736		2660	
13		1060.	1204.	.	.	.	.	1552		3788	
15		780.	472.	.	.	.	.	692		2336	
16		820.	468.	.	.	.	.	720		2480	
17		347.	440.	1.4	0.4	.	.	475	278		
19		329.	562.	.4	.	.	.	590	400		
21		182.	49.	0.4	.	.	.	228	58		
24		861.	450.	1.6	0.9	.	.	635	348		
26		318.	329.	0.4	.	.	.	561	357		
26		476.	148.	.	.	.	.	332		1060	
28		590.	272.	.	.	.	.	536		1638	
31		582.	119.	1.7	.3	.	.	725	308		
32		420.	92.	.	.	.	.	500		1004	
33		420.	128.	.	.	.	.	612		1104	
34		415.	102.	0.3	.	.	.	626	338		
36		152.	52.	.	.	.	.	264		464	
42		248.	44.	.	.	.	.	288			
43		18.	12.	.	.	.	.	80		168	
45		108.	60.	.	.	.	.	164			
47		18.	14.	.	.	.	.	120		190	
50		.	41.	.	.	.	.	290		580	
51		.	43.	.	.	.	.	378		630	
53		199.	45.	1.4	.	.	.	270	92		
54		.	34.	.	.	.	.			560	
56		.	33.	.	.	.	.	326		610	
59		.	21.	.	.	.	.	158		331	
61		.	500.	.	.	.	.	730		1830	
70		128.	36.	.	.	.	.	244		362	
71		268.	64.	.	.	.	.	192		672	
75		560.	88.	.	.	.	.	672		1136	
77		500.	96.	.	.	.	.	488		1218	
79		540.	128.	.	.	.	.	672		1176	
80		240.	72.	.	.	.	.	380		622	
81		240.	64.	.	.	.	.	412		640	
83		320.	52.	.	.	.	.	408		660	
84		400.	108.7	.	.	.	.	340		962	
85		433.	90.	1.1	.2	.	.	394	280		
86		660.	168.	.	.	.	.	708		1450	
87		550.	160.	.	.	.	.	888		1534	
88	8	479.	122.	.	.	.	.	765	418		
89		263.	65.	.2	.	.	.	416	178		
91		850.	134.	.	.	.	.	808		1650	
94		727.	120.	.3	.	.	.	778	384		

TABLE 2. RECORDS OF CHEMICAL ANALYSES OF WELLS IN SOCORRO AND MAGOALENA AREA, NEW MEXICO (CONT)
(CONCENTRATIONS IN PPM EXCEPT AS NOTED)

LOCATION	DATE OF COLLECTION	TEMPERATURE (FAHR.)	PH	SILICA	CALCIUM	MAGNESIUM	SODIUM	POTASSIUM	BICARBONATE
96	SESWNW13T02S	R01W	7.7	.	179.	42.	117.	.	334
97	NWNWSW13T02S	R01W	7.6	.	154.	39.	178.	.	352
102	NWSESW22T02S	R01W	7.5	.	67.	24.	96.	.	224
103	SWNESE24T02S	R01W	7.4	.	110.	21.	72.	.	273
104	NWNEW24T02S	R01W	7.3	.	200.	80.	284.	.	684
105	NWSWE24T02S	R01W	7.2	.	117.	41.	172.	.	415
106	NENENW25T02S	R01W	7.4	.	122.	23.	90.	.	244
107	NESEW25T02S	R01W	7.0	.	48.	17.	74.	.	229
108	SWNWE25T02S	R01W	7.8	38.	.	.	41.	4.2	192
110	NENESW25T02S	R01W	7.3	34.	.	.	52.	3.4	186
111	SWNESW25T02S	R01W	7.6	.	43.	10.	48.	.	161
115	NWSESW25T02S	R01W	7.0	.	48.	15.	72.	.	190
117	SESESW25T02S	R01W	7.4	.	46.	12.	60.	.	185
123	NENWSW29T02S	R01W	.	.	56.	10.	105.	.	232
125	NWNENE35T02S	R01W	7.6	.	34.	9.	32.	.	146
			.	33.	41.	9.	26.	C.	150
129	NWNWNW36T02S	R01W	7.7	.	34.	12.	38.	.	176
130	SESWNW36T02S	R01W	7.6	.	38.	11.	45.	.	176
134	NESEW36T02S	R01W	7.4	.	37.	8.	70.	.	195
138	SESEW36T02S	R01W	7.5	32.	.	.	79.	4.5	166
140	SENWNE36T02S	R01W	7.3	.	70.	21.	61.	.	278
143	NENWSW36T02S	R01W	7.5	.	40.	12.	37.	.	171
146	SENWSW36T02S	R01W	7.6	.	38.	13.	39.	.	185
147	SENWSW36T02S	R01W	7.4	.	40.	12.	46.	.	195
167	NWSESW36T02S	R01W	7.4	.	259.	67.	378.	.	503
169	NWSESW36T02S	R01W	7.5	.	42.	13.	41.	.	185
180	SWSWE36T02S	R01W	7.6	.	43.	14.	41.	.	176
184	NWSESE36T02S	R01W	7.4	27.	67.	8.5	36.	3.8	173
190	NENWNW18T02S	R02W	7.8	.	34.	8.	32.	.	181
192	NENESE19T02S	R02W	7.8	.	30.	9.	24.	.	181
195	NWNWSW20T02S	R02W	7.9	30.	52.	C.	21.	.	172
200	NESWSE34T02S	R02W	7.8	.	68.	10.	19.	.	244
			.	.	66.	8.9	16.	1.6	220
			7.6	27.	66.	8.9	16.	1.6	220
202	NWNEW35T02S	R02W	8.2	.	46.	3.	28.	C.	190
203	SWNEW35T02S	R02W	7.9	.	59.	9.	20.	.	200
206	NENESW01T02S	R03W	7.9	.	26.	7.	35.	.	161
208	SWSWE07T02S	R03W	7.6	.	67.	15.	.	10.	234
209	SWSWSW11T02S	R03W	7.9	.	30.	7.	32.	.	161
			7.9	27.	30.	4.1	19.	1.3	132
213	SENWNW22T02S	R03W	7.8	.	41.	4.	30.	.	166
215	NWNWSE24T02S	R03W	8.3	.	35.	9.	35.	.	190
217	SWSWNW25T02S	R03W	7.7	.	34.	11.	25.	.	171
218	SWNESE27T02S	R03W	7.8	.	44.	10.	18.	.	166
221	NWSESW12T02S	R04W	7.1	.	64.	19.	.	29.	244
222	SWSWE13T02S	R04W	7.2	.	58.	12.	26.	.	234
227	NWNEW23T02S	R04W	7.3	.	67.	16.	25.	.	229
249	SESESW06T03S	R01E	7.5	32.	.	.	103.	7.5	448

TABLE 2. RECORDS OF CHEMICAL ANALYSES OF WELLS (CONT)

	CARBONATE	SULFATE	CHLORIDE	FLUORIDE	BORON	ALUMINUM	IRON	HARDNESS		TOTAL DISSOLVED SOLIDS	SPECIFIC CONDUCTANCE
								CALCIUM MAGNESIUM	NON-CARBONATE		
96		380.	144.	.	.	.	.	620		1008	
97		390.	168.	.	.	.	.	542		1018	
102		240.	28.	.	.	.	.	272		542	
103		220.	44.	.	.	.	.	364		590	
104		690.	116.	.	.	.	.	828		1572	
105		350.	92.	.	.	.	.	460		988	
106		260.	88.	.	.	.	.	400		726	
107		112.	32.	.	.	.	.	188		456	
108		195.	53.	0.9	.2	.	.	345	188		
110		49.	18.	0.6	0.3	.	.	109			
111		82.	24.	.	.	.	.	148		300	
115		126.	36.	.	.	.	.	184		442	
117		96.	28.	.	.	.	.	164		378	
123		181.	21.	.	.	.	.
125		48.	16.	.	.	.	.	120		228	
125		48.	15.	.6	.	.	.	140	16		
129		48.	16.	.	.	.	.	132		254	
130		60.	22.	.	.	.	.	140		250	
134		80.	24.	.	.	.	.	124		286	
138		199.	86.	.8	.2	.	.	287	151		
140		100.	44.	.	.	.	.	260		492	
143		56.	22.	.	.	.	.	148		242	
146		48.	22.	.	.	.	.	148		254	
147		56.	22.	.	.	.	.	148		292	
167		1000.	204.	.	.	.	.	924		2352	
169		60.	24.	.	.	.	.	156		284	
180		72.	24.	.	.	.	.	168		288	
184		85.	33.	0.2	0.1	.	0.02	202	60		
190		20.	12.	.	.	.	.	118		168	
192		16.	14.	.	.	.	.	132		188	
195		20.	8.5	.2	.	.	.	130			
200		16.	26.	.	.	.	.	210		290	
200		16.	20.	.	.	.	.
200		16.	20.	.	.	.	.	201		276	
202		18.	12.	.	.	.	.	130			
203		16.	34.	.	.	.	.	186		270	
206		18.	14.	.	.	.	.	94		150	
208		28.	20.	.	.	.	.	228		302	
209		22.	12.	.	.	.	.	104		168	
209		17.	4.4	.5	.	.	.11				260
213		24.	16.	.	.	.	.	120		204	
215		20.	14.	.	.	.	.	126		196	
217		20.	16.	.	.	.	.	128		188	
218		22.	22.	.	.	.	.	150		206	
221		64.	24.	.	.	.	.	240		328	
222		32.	18.	.	.	.	.	192		282	
227		32.	18.	.	.	.	.	192		270	
249		482.	109.	.	.	.	.	804	437		

TABLE 2. RECORDS OF CHEMICAL ANALYSES OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)
(CONCENTRATIONS IN PPM EXCEPT AS NOTED)

LOCATION	DATE OF COLLECTION	TEMPERATURE (FAHR.)	PH	SILICA	CALCIUM	MAGNESIUM	SODIUM	POTASSIUM	BICARBONATE
291 SESENW19T03S R01E	31259	60	7.50	30.	.	.	102.0	5.8	325
293 SENENW19T03S R01E	31259		7.40	36.	.	.	212.0	7.0	348
295 SESENW19T03S R01E	31259		7.3	32.	.	.	106.	7.3	361
305 SENWNW29T03S R01E	31259	55	7.6	30.	.	.	65.	4.3	209
308 NESWSE30T03S R01E			7.2	26.	.	.	22.	2.4	124
321			.	.	.	.	.	.	122
336 NENENE01T03S R01W	031159		7.2	3.0	.	.	31.	3.1	138
339 NENENE01T03S R01W	031159		7.4	29.	.	.	232.	9.3	425
340 SENENE01T03S R01W	052252		.	41.	.	.	211.	7.3	421
354 NWSENE02T03S R01W			7.6	.	98.	25.	115.	.	310
356 SENWSE02T03S R01W			7.2	.	74.	15.	55.	.	205
362 NWSENE02T03S R01W	92852		.	48.	87.	23.	232.	C.	358
367 SWSWSE04T03S R01W	82366	103	7.7	23.	68.	2.1	626.	38.	83
368 SENWSW07T03S R01W			7.4	.	83.	21.	53.	.	224
373 NENWNE11T03S R01W	12066		7.6	32.	65.	6.3	38.	1.7	158
375 NENWNE11T03S R01W			7.7	30.	.	.	129.	C.	161
376 SENWNE11T03S R01W	4 258		7.8	31.	.	.	46.	3.2	183
	1 766		7.9	30.	144.	17.	87.	3.0	238
377 SENWNE11T03S R01W	21364		7.2	35.	115.	13.	69.	3.4	220
378			7.6	.	56.	13.	43.	.	180
381 NWSENE11T03S R01W	12066		7.5	30.	154.	20.	138.	.	290
			7.5	.	82.	14.	132.	.	258
382 NWSENE11T03S R01W			7.5	29.	123.	.	70.	2.9	256
385 SESENE11T03S R01W			.	26.	89.	12.	70.	.	224
388 NESWNW12T03S R01W			7.8	40.	.	.	309.	5.9	358
396 NWNWSW12T03S R01W	30154		.	34.	.	.	87.	C.	290
399 NWNESW12T03S R01W	62759		7.9	61.	.	.	177.	C.	395
400 NWNESW12T03S R01W	40358		7.7	32.	.	.	386.	9.8	477
402 SENESW12T03S R01W			7.5	30.	.	.	55.	C.	176
408 SENENW13T03S R01W			7.0	.	104.	18.	97.	.	351
410 SWNWNE13T03S R01W			7.2	.	96.	19.	150.	.	361
	101160		7.5	45.	.	.	152.	C.	410
421 SWSWNE13T03S R01W	31859		7.5	45.	56.	.	141.	.	339
426 SWSENE13T03S R01W			7.5	.	82.	16.	190.	.	366
427 SWSENE13T03S R01W			6.9	.	115.	23.	296.	.	547
429 NWNWSW13T03S R01W			7.6	.	37.	12.	68.	.	268
430 NESW13T03S R01W	20359		7.3	40.	.	.	52.	3.4	186
431 NWNWSE13T03S R01W			7.8	.	69.	12.	153.	.	376
436 SESWNE14T03S R01W	40358		7.8	39.	.	.	43.	3.1	169
442 SWNESW16T03S R01W	72456		8.5	26.	.	.	53.	C.	145
	122061		8.0	.	18.	5.	55.	.	166
	41065		7.6	27.	20.	4.6	56.	3.	163
456 SWSWNE25T03S R01W			7.8	35.	.	.	64.	.	206
458 NWNWSW26T03S R01W			7.6	43.	.	.	191.	C.	162
459 NWSWSW27T03S R01W	52958		7.9	38.	.	.	61.	3.2	225
462 SESESE08T03S R02W			7.7	.	61.	8.	40.	C.	278
465 SWNENW23T03S R02W	52		7.7	.	47.	8.	34.	C.	205
	65		7.6	.	50.	7.1	.	.	180

TABLE 2. RECORDS OF CHEMICAL ANALYSES OF WELLS (CONT)

	CARBONATE	SULFATE	CHLORIDE	FLUORIDE	BORON	ALUMINUM	IRON	HARDNESS		TOTAL DISSOLVED SOLIDS	SPECIFIC CONDUCTANCE
								CALCIUM MAGNESIUM	NON-CARBONATE		
291		333.	88.	0.6	0.4	.	.	504	238		1300
293		469.	102.0	0.5	0.1	.	.	450	165		
295		558.	131.	0.1	.	.	.	818	522		
305		172.	43.	0.6	0.3	.	.	263	92		
308		29.	14.	0.6	0.2	.	.	99			
321		.	282.	.	69.8	.	.				
336		48.	18.	.8	.4	.	.	115	2		356
339		492.	98.	0.1	0.8	.	.	482	134		1770
340		488.	100.	0.5	0.5	.	.	514	169		1710
354		292.	32.	.	.	.	.
356		120.	52.	.	.	.	.	244		480	
362		400.	70.	.3	.	.	.	312	318		
367		163.	945.	1.1	0.6	.	.27	178	110		3460
368		152.	48.	.	.	.	.	296		472	
373		106.	16.	0.6	0.1	.	.	188	58		
375		60.	7.5	0.4	.	.	.	144	12		
376		121.	28.	.5	0.1	.	.	212	62		
376		303.	65.	0.5	0.3	.	.	429	233		1150
377		228.	53.	0.5	0.2	.	0.04	342	162		
378		108.	20.	.	.	.	.	192		378	
381		384.	89.	.4	0.3	.	.02	465	228		
381		260.	48.	.	.	.	.	260		602	
382		218.	56.	0.3	0.2	.	.01	370	160		
385		174.	42.	0.2	.	.	.	273	88		
388		578.	207.	1.3	0.4	.	.	515	222		
396		309.	82.	0.4	.	.	.	490	252		
399		224.	75.	0.9	.	.	.	280			
400		817.	195.	.8	0.2	.	.	665	274		
402		85.	22.	0.4	.	.	.	146	2		
408		160.	64.	.	.	.	.	332		726	
410		252.	60.	.	.	.	.	320		728	
410		255.	74.	0.5	.	.	.	408	72		
421		18.6	56.	0.8	0.4	.	.	247			
426		228.	104.	.	.	.	.	268		904	
427		352.	150.	.	.	.	.	384		1320	
429		40.	20.	.	.	.	.	140		364	
430		49.	18.	0.6	0.3	.	.	109			
431		160.	56.	.	.	.	.	220		658	
436		66.	18.	0.7	0.1	.	.	134			
442	8	37.	14.	0.6	0.8	.	.	78			
442		32.	12.	.	.	.	.	68			
442		36.	14.	.	.	.	.	69			
456		68.	12.	0.8	.	.	.	122			
458		.	234.	0.5	.	.	.	162	29		
459		113.	23.	0.8	0.1	.	.	204	20		
462		24.	14.	.	.	.	.	186		234	
465		20.	26.	.	.	.	.	150		280	
465		.	.	.	.	.	.	154			

TABLE 2. RECORDS OF CHEMICAL ANALYSES OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)
(CONCENTRATIONS IN PPM EXCEPT AS NOTED)

LOCATION	DATE OF COLLECTION	TEMPERATURE (FAHR.)	PH	SILICA	CALCIUM	MAGNESIUM	SODIUM	POTASSIUM	BICARBONATE
474 SWESE25T03S R02W			.	.	29.	8.	.	.	
490 NWNENE23T03S R03W	041065		7.4	22.	101.	14.	14.	1.2	338
495 NWNW26T03S R03W			8.2	.	67.	8.	9.	.	224
497 NWNW26T03S R03W	51062		8.5	.	62.	12.	19.	C.	229
498 SWNWN26T03S R03W	51062		8.7	.	54.	9.	15.	.	188
499 NWNWNE27T03S R03W	11764		7.3	.	96.	12.	15.3	C.	314
500 NWNWNE27T03S R03W	20863		.	8.2	105.	16.	5.	C.	355
501 NESWSW34T03S R03W			7.8	.	65.	10.	10.	C.	237
507 SESESE05T04S R01E	52352		.	.	.	.	.	.
509 SWSWNW06T04S R01E	90155		.	44.	57.	11.	195.	C.	243
510 SESENE08T04S R01E	52352		.	.	.	.	.	.
511 NENESE08T04S R01E	52352		.	.	.	.	.	.
512 NENESW16T04S R01E	52352		.	.	.	.	.	.
515 SWSE20T04S R01E	22952		.	46.	98.	36.	743.	C.	290
522 NWNENW23T04S R01W	54		.	38.	.	.	82.	C.	100

TABLE 2. RECORDS OF CHEMICAL ANALYSES OF WELLS (CONT)

	CARBONATE	SULFATE	CHLORIDE	FLUORIDE	BORON	ALUMINUM	IRON	HARDNESS		TOTAL DISSOLVED SOLIDS	SPECIFIC CONDUCTANCE
								CALCIUM MAGNESIUM	NON-CARBONATE		
474		108.	22.								
490		49.	6.0	.	.	.	.	308			
495		28.	4.	.	.	.	.	168			
497	5	34.	10.	.	.	.	.	206			
498	10	20.	8.	.	.	.	.	170			
499		52.	4.4	0.3	0.1	.	.	290		360	
500		44.	.								
501		10.	15.	.	.	.	.			202	
507		1.	20.	.	.	.	.	164		289	
509		231.	120.	.	.	.	.	167			
510		.	33.	.	.	.	.	226		483	
511		.	33.	.	.	.	.	194		374	
512		.	28.	.	.	.	.	178		384	
515		642.	780.	.	.	.	.	392	155	2490	
522		113.	154.	0.2	.	.	.	240	158		

TABLE 3. RECORDS OF SPRINGS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO

LOCATION	OWNER OR NAME	TOPOGRAPHIC SETTING	ALTITUDE (FEET)	AQUIFER		DISCHARGE		TEMPERATURE (F)	CHEMICAL ANALYSES (*)
				SYSTEM	LITHOLOGY	GPM	DATE OF MEAS.		
1	SWNW07T01NR02W		5200	N	S	15	3963	70	*
2	SFSE07T01NR02W		5720	A	V	1	6962	67	*
3	NENW08T01NR02W		5200	Q	X	4	3963	61	*
4	SFSE27T01NR03W		5620	Q	R		3953	43	*
5	NFNW11T01SR02W		5520		R			49	*
6	SWNW11T01SR02W		5500	T			4963	57	*
7	SWNW11T01SR02W		5500	T			4963	61	*
8	SWNW11T01SR02W		5500		S		4963		*
9	SWNW11T01SR02W		5500				4963		*
10	SWNW11T01SR02W		5500		S		4963		*
11	SFNW11T01SR02W	SANLORENZO SPR.	5480	A	R	10	3963		*
12	SFNW12T01SR02W		5280	T		2	3963		*
13	NFSE11T01SR02W		5360	A	R	10	3963	57	*
14	SWNW14T02SR01E		4990	A	R	1	3963		*
15	SENW14T02SR01E		5000	A	R	2	3963		*
16	NE14T02SR01E	OJO DE LAPARIDA	5030	A		B	0950		*
17	NENE14T02SR01E	OJO DELAPARIDA	5030	A	R	20	6960		*
18	NFSE22T02SR01E	OJO DEL COYOTE	5010		V		6962		*
19	NW26T02SR01E	CHUPADERO SPR	4910		YV		6960		*
20	NFNW26T02SR01E	CHUPADERO	4910		YV	H	6962		*
21	NE27T02SR01E	OJO DE AMADO	4990		R		6960		*
22	SFNE27T02SR01E	OJO DE AMADO	4990		R		6962	64	*
23	SWNE30T02SR02E	OJORANCHO LOPEZ	5210		V		6962		*
24	NWSE19T02SR01W	J.B.KELLY	5300	T		10			*
25	SFSE30T02SR01W	J.B.KELLY	5130	Q	S	4	5962	55	*
26	SFSE30T02SR01W	J.B.KELLY	5140	Q	S	1	5962	66	*
27	NFNW31T02SR01W	J.B.KELLY	5240	Q	X	2	5962	57	*
28	MENW31T02SR01W	J.B.KELLY	5260	Q	S	2		59	*
29	SFNW31T02SR01W	J.B.KELLY	5350	Q	X	1	5962	55	*
30	NWSW31T02SR01W	J.B.KELLY	5440	Q	S	2	5962	61	*
31	NFSW35T02SR02W	PETE STROZZI	5680		S		5962	61	*
32	NFSW35T02SR02W	PETE STROZZI	5680		S		6960		*
33	NFSW35T02SR02W	STORM RANCH	5700		P		6960		*
34	NFSW35T02SR02W	P STROZZI	5700					61	*
35	NFSW35T02SR02W	PETE STROZZI	5680	Q	S	2	5962	61	*
36	SESW35T02SR02W	STROZZI RANCH	5700	A	S	2	6960		*
37	SFSE24T03SR01E		5020	Q	X	2	3963	61	*
38	SWSW06T03SR01W	DOMINGO SPRING	5820	T			6960	64	*
39	NWSW15T03SR01W	COOK SPRING	4891	T		15		66	*
40	NWNW22T03SR01W	CITY OF SOCORRO	5000	T	J	292	0965		*
41	SWNW22T03SR01W	SEOILLA SPRING	5000	T				90	*
42	SFSW07T03SR02W		8080	N	L				*
43	NWSW07T03SR03W	PATTERSONTUNNEL	7825		J	40	7962		*
44	SESW07T03SR03W		8080		L	C	7962		*
45	NWSW10T03SR03W	STROZZI	7080		L	2		63	*
46	SWNW19T03SR03W	DAN HUTCHISON	8280	T	J				*
47	NFSE20T03SR03W		7760		J	2		54	*
48	SFSW21T03SR03W	DARK CANYON	7400		A	7	4966	47	*
49	SWSE21T03SR03W		7280		A	12	4966	51	*

TABLE 3. RECORDS OF SPRINGS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

LOCATION	OWNER OR NAME	TOPOGRAPHIC SETTING	ALTITUDE (FEET)	AQUIFER		DISCHARGE		TEMPERATURE (F)	CHEMICAL ANALYSES (*)
				SYSTEM	LITHOLOGY	GPM	DATE OF MEAS.		
50 NWNE27T03SR03W	NORTH FORK		6960		I	10	4966	52	
51 NFNE27T03SR03W			6840		L	12	4966		
52 SFSE27T03SR03W	WATERCANYON FORK		7040		A	8	4966	48	*
53 SFSE33T03SR03W	U.S. FOREST		7800		J	7	4966	46	*
54 NESW34T03SR03W	U.S. FOREST		7360			10	4966	47	*
55 SWNW12T03SR04W	SOUTHCAMP		7335			3	6962		*
56 NWSW12T03SR04W	DON HUTCHISON		7275	T	J		6962		*
57 SFNE24T03SR04W	DON HUTCHISON		8020	O	K	5	6962		*
58 SWNE26T03SR04W	ROCKSPRINGCAN.	S	7600	T			5963		*
59 SFNE36T03SR04W	CIBOLA NAT FOREST		8760	T			5963		*
60 NWNE05T04SR01W	CHUPADERA SPRING		5200		Q		5962	63	*

//MAIN EXEC FORTRAN

TABLE 4. RECORDS OF CHEMICAL ANALYSES OF SPRINGS IN SOCORRO AND MAGOALENA AREA, NEW MEXICO
(CONCENTRATIONS IN PPM EXCEPT AS NOTED)

	LOCATION	DATE OF COLLECTION	TEMPERATURE (FAHR.)	PH	SILICA	CALCIUM	MAGNESIUM	SODIUM	POTASSIUM	BICARBONATE
1	SWNW07T01NR02W	31463	7.2	.	.	171.	32.	792.	C.	383
2	SESE07T01NR02W	61462	7.6	.	.	47.	19.	44.	C.	246
3	NENW08T01NR02W	31463	8.0	.	.	23.	6.	175.	C.	251
4	SESE27T01NR03W	31463	7.8	.	.	50.	12.	39.	C.	198
5	NENW11T01SR02W		8.6	.	.	19.	4.	143.	.	383
6	SWNW11T01SR02W	42563	9.0	.	.	0.1	.	139.	C.	244
7	SWNW11T01SR02W	40863	9.3	21.	.	1.4	0.1	133.	C.	222
8	SWNW11T01SR02W	41863	8.4	.	.	38.	10.	45.	.	234
9	SWNW11T01SR02W		8.5	.	.	46.	10.	42.	C.	251
10	SWNW11T01SR02W	41863	8.5	.	.	39.	9.	53.	C.	259
11	SENW11T01SR02W	32163	8.5	.	.	30.	5.	94.	C.	285
12	SENW12T01SR02W	32163	8.6	.	.	19.	11.	127.	.	305
13	NESE11T01SR02W	32863	8.6	.	.	37.	7.	84.	C.	300
14	SWNW14T02SR01E	31963	.	.	.	469.	87.	13.	C.	151
15	SENW14T02SR01E	31563	.	.	.	411.	94.	6.	C.	156
16	NE14T02SR01E	102750	7.9	21.	.	456.	113.	47.	C.	200
17	NENE14T02SR01E	60660	7.7	25.	.	.	.	51.	C.	227
		60662	7.4	.	.	344.	86.	.	.	190
		31563	.	.	.	350.	93.	.	.	166
18	NESE22T02SR01E	60662	7.9	.	.	638.	109.	302.	C.	317
19	NW26T02SR01E	60660	7.5	.	.	.	.	128.	C.	214
20	NENW26T02SR01E	60662	7.8	.	.	162.	87.	81.	C.	200
21	NE27T02SR01E	60660	7.8	14.	.	.	.	12.1	C.	205
		42436	.	.	.	89.	33.	66.	C.	259
22	SENE27T02SR01E	60662	8.1	.	.	114.	56.	97.	C.	256
23	SWNE30T02SR02E	60662	7.7	.	.	72.	31.	14.	C.	315
24	NWSE19T02SR01W		.	.	.	50.	12.	67.	.	308
25	SESE30T02SR01W	50362	8.1	.	.	90.	12.	58.	.	264
26	SESE30T02SR01W	50362	7.0	.	.	89.	11.	62.	C.	268
27	NENW31T02SR01W	50362	8.0	.	.	46.	11.	65.	C.	207
28	NENW31T02SR01W	50362	7.8	.	.	74.	13.	45.	C.	259
29	SENW31T02SR01W	50362	7.9	.	.	60.	16.	47.	.	254
30	NWSW31T02SR01W	50362	7.9	.	.	62.	9.	32.	C.	239
31	NESW35T02SR02W	51062	8.4	.	.	50.	7.	29.	C.	227
32	NESW35T02SR02W	62560	7.2	29.	.	.	.	21.	C.	196
33	NESW35T02SR02W	62560	.	.	.	50.	7.	27.	C.	227
34	NESW35T02SR02W		7.9	.	.	57.	6.3	.	.	220
35	NESW35T02SR02W	51062	8.2	.	.	.	.	26.	.	237
36	SESW35T02SR02W		7.4	31.	.	.	.	23.	C.	201
37	SESE24T03SR01E	31563	.	.	.	408.	58.	228.	.	171
38	SWSW06T03SR01W	51062	8.3	.	.	23.	5.	71.	.	183
39	NWSW15T03SR01W	32058	8.1	28.	.	.	.	66.	3.0	175
		32362	.	.	.	17.	5.	63.	C.	16
		92464	.	.	.	13.	4.0	68.	3.4	158
40	NWNW22T03SR01W	21736	.	.	.	19.	4.	58.	C.	168
		12457	7.8	27.	.	18.	3.9	54.	C.	154
		32058	8.4	39.	.	.	.	55.	3.0	160
		121261	8.1	.	.	18.	5.	50.	C.	163
		20563	.	.	.	13.	5.	52.	C.	156

TABLE 4. RECORDS OF CHEMICAL ANALYSES OF SPRINGS (CONT)

	CARBONATE	SULFATE	CHLORIDE	FLUORIDE	BORON	ALUMINUM	IRON	HARDNESS		TOTAL DISSOLVED SOLIDS	SPECIFIC CONDUCTANCE
								CALCIUM MAGNESIUM	NON-CARBONATE		
1		492.	1032.	.	.	.	.	582			
2		56.	22.	.	.	.	.	198			
3		128.	88.	.	.	.	.	84			
4		80.	10.	.	.	.	.	172			
5		32.	14.	.	.	.	.	66			
6		24.	14.	.	.	.	.
7	31	.	16.	1.2	.	.	.	4		348	
8		32.	6.	.	.	.	.	136			
9		32.	6.	.	.	.	.	154			
10		28.	6.	.	.	.	.	136			
11		36.	14.	.	.	.	.	96			
12		80.	24.	.	.	.	.	94			
13		28.	12.	.	.	.	.	118			
14		1360.	12.	.	.	.	.	153			
15		1232.	12.	.	.	.	.	1416			
16		1460.	15.	.	.	.	.	1600			
17		1170.	13.	0.7	.	.	.	1300			
17		864.	12.	.	.	.	.	1214			
17		1056.	10.	.	.	.	.	1256			
18		2224.	88.	.	.	.	.	2044			
19		775.	34.	1.0	.	.	.	750			
20		696.	36.	.	.	.	.	764			
21		506.	35.	0.7	.	.	.	475			
21		251.	20.	.	.	.	.	359			
22		444.	38.	.	.	.	.	516			
23		28.	36.	.	.	.	.	306			
24		38.	20.	.	.	.	.	174			
25		150.	20.	.	.	.	.	274			
26		136.	20.	.	.	.	.	256			
27		104.	16.	.	.	.	.	160			
28		90.	20.	.	.	.	.	236			
29		80.	18.	.	.	.	.	216			
30		40.	16.	.	.	.	.	192			
31		10.	14.	.	.	.	.	154			
32		20.	8.2	0.4	.	.	.	152			
33		10.	14.	.	.	.	.
34		.	.	.	.	.	.	168			
35		20.	12.	.	.	.	.	176			
36		12.	15.	.	.	.	.	150			
37		1520.	22.	.	.	.	.	1260			
38		48.	24.	.	.	.	.	78			
39		44.	14.	1.0	0.1	.	.	62			
39	5	40.	12.	.	.	.	.
39	3	42.	14.	.	.	.	.
40		30.	14.	1.2	.	.	.	63			
40		28.	15.	0.6	.	.	.	61		224	
40	5	33.	16.	0.7	0.1	.	.	134			
40		28.	8.	.	.	.	.
40		20.	12.	.	.	.	.

TABLE 4. RECORDS OF CHEMICAL ANALYSES OF SPRINGS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)
 (CONCENTRATIONS IN PPM EXCEPT AS NOTED)

	LOCATION	DATE OF COLLECTION	TEMPERATURE (FAHR.)	PH	SILICA	CALCIUM	MAGNESIUM	SODIUM	POTASSIUM	BICARBONATE
41	SWNW22T03SR01W	32058		7.8	27.	.	.	54.	2.9	159
		121261	88	8.4	.	18.	5.	50.	C.	154
		12264		.	31.	20.	3.2	54.	3.0	164
43	NWSW07T03SR03W	70162		7.3	17.	76.	6.4	7.8	C.	217
44	SESW07T03SR03W	70162		7.3	12.	105.	5.8	5.5	C.	305
45	NWSW10T03SR03W	72662		7.8	.	106.	23.	9.	.	388
46	SWNW19T03SR03W	63062		7.0	15.	54.	1.3	13.	.	125
47	NESE20T03SR03W	62866		7.9	19.	97.	18.	17.	2.5	330
48	SESW21T03SR03W	62866		7.8	22.	59.	6.6	9.0	1.1	213
49	SWSE21T03SR03W	41666		7.5	21.	76.	9.5	11.	1.8	269
52	SESE27T03SR03W	62866		8.2	22.	70.	9.5	10.	1.4	258
53	SESE33T03SR03W	62866		.	16.	56.	7.2	7.5	1.5	202
54	NESW34T03SR03W	62866		7.8	19.	66.	8.4	6.6	1.2	243
55	SWNW12T03SR04W	80362		7.7	.	.	.	.	.	210
56	NWSW12T03SR04W	63062		8.2	35.	21.	2.8	71.	C.	239
57	SENE24T03SR04W	63062		6.9	19.	46.	3.2	9.0	C.	129
58	SWNE26T03SR04W	52363		7.2	.	26.	1.	23.	C.	112
59	SENE36T03SR04W	52363		7.7	.	33.	1.	6.	C.	112
60	NWNE05T04SR01W	51762		8.3	.	39.	3.	372.	C.	444

TABLE 4. RECORDS OF CHEMICAL ANALYSES OF SPRINGS (CONT)

	CARBONATE	SULFATE	CHLORIDE	FLUORIDE	BORON	ALUMINUM	IRON	HARDNESS		TOTAL DISSOLVED SOLIDS	SPECIFIC CONDUCTANCE
								CALCIUM MAGNESIUM	NON- CARBONATE		
41		33.	14.	0.8	0.1	.	.	63			
41	5	24.	10.	.	.	.	.	64			
41		31.	12.	0.6	.	.	0.07				
43		43.	3.6	1.1	.	.	.	216		262	
44		35.	2.0	0.3	.	.	.	286		316	
45		48.	8.	.	.	.	.	358			
46		57.	1.4	0.3	.	.	.	140		208	
47		78.	6.4	0.2	.	.	.	318	48	372	641
48		17.	4.	0.2	.	.	.	175			367
49		27.	4.8	0.2	.	.	0.03	231	10	284	438
52		23.	3.6	0.2	0.1	.	.	216	4		439
53		19.	2.8	0.1	0.1	.	.	173	8	209	
54		21.	2.8	0.2	0.1	.	.	202	3		415
55		.	4.4	.	.	.	.
56		8.6	8.2	0.5	.	.	.	64		266	
57		21.	9.6	0.2	.	.	.	128		174	
58		8.	4.	.	.	.	.	58			
59		4.	2.	.	.	.	.
60		476.	42.	.	.	.	.	110			

TABLE 5. WATER LEVEL MEASUREMENTS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO

LOCATION	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
46 NWSWSW12T01S R03W	071962	119.32		.		.		.
47 SWSWSE33T01S R03W	071962	300.50		.		.		.
52 SWSWNE19T02S R01E	021662	40.60	070262	39.19	030663	41.05	031566	39.75
58 NESENE30T02S R01E	021662	9.77	070262	8.16	030663	9.72	072065	8.31
	031566	8.89		.		.		.
60 SWSWNW31T02S R01E	021562	7.07	062762	6.09	022763	7.02	111263	8.97
	031665	9.45	031066	8.98		.		.
67 SFSESW31T02S R01E	021562	10.09	062762	9.34	022763	9.91	111263	12.23
	031665	11.40	031066	10.40		.		.
68 NWSWSW32T02S R01E	021662	25.21	070262	22.37	030663	26.12	072065	22.20
	031566	25.69		.		.		.
92 NFNESW12T02S R01W	071862	22.81		.		.		.
93 NFNESW12T02S R01W	071862	20.11		.		.		.
112 SFNESW25T02S R01W	021562	24.69	062662	24.06	022763	24.96		.
118 SFSESW25T02S R01W	021562	37.21	062662	36.69	022763	37.49		.
132 NWSWNW36T02S R01W	021562	40.89	062662	40.33	022063	41.14		.
141 NWSWNE36T02S R01W	021562	20.45	062662	19.94		.		.
150 NWNESW36T02S R01W	021562	42.44	062662	42.53	022063	42.68	101563	43.33
159 NFNESW36T02S R01W	021562	31.21	062662	30.99	022063	31.53	101563	33.15
	032665	32.96	031466	32.44		.		.
178 SFSESW36T02S R01W	021562	24.99	062662	24.31	022263	25.29	111263	26.69
179 NWSWSE36T02S R01W	021562	15.78	062662	14.90	022763	15.97	111263	17.36
	031665	18.07	031066	17.29		.		.
192 NFNESE19T02S R02W	071862	120.61		.		.		.
195 NWNWSW20T02S R02W	071862	131.36		.		.		.
197 SWSWSW21T02S R02W	071862	154.75		.		.		.
202 NWNESW35T02S R02W	071862	23.82		.		.		.

TABLE 5. WATER LEVEL MEASUREMENTS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

LOCATION	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
207 SESESW07T02S R03W	072362	203.83		.		.		.
209 SWSWSW11T02S R03W	071862	243.83		.		.		.
211 NWNWNW22T02S R03W	072362	311.56		.		.		.
214 SWSENE23T02S R03W	071962	203.37		.		.		.
220 NESWNE27T02S R03W	072362	348.12		.		.		.
244 SFNWSW04T03S R01E	D21662	106.99	070262	105.16	030663	109.80		.
247 NWNENE06T03S R01E	021562 031665	9.26 8.28	062762 031066	8.55 8.34	022763	9.14	111263	10.58 .
257 SFNENW06T03S R01E	031066	11.21		.		.		.
260 SWNWNW06T03S R01E	021562 031665	9.26 10.22	062762 031066	8.59 10.40	022763	9.88	111263	10.86 .
269 SWNWSW07T03S R01E	021362 032665	7.60 9.78	062662 031466	7.32 8.18	022863	7.76	111263	9.70 .
277 SWNWSW17T03S R01E	021562 031665	11.85 13.96	062762 031066	11.37 13.25	022763	11.65	111263	15.50 .
286 SESESW18T03S R01E	062762	6.60		.		.		.
288 NWNWSE18T03S R01E	021562 031665	13.45 15.60	062762 031066	11.94 13.56	022763	13.73	111263	16.04 .
290 SWSWNW18T03S R01E	021362 031665	15.53 17.51	062562 031066	14.63 15.40	022763	15.78	111263	17.42 .
296 SESESW19T03S R01E	021562 031665	15.83 17.86	062762 031066	15.42 15.80	022763	16.08	111263	18.75 .
299 SESESW19T03S R01E	021562 031665	15.75 17.27	062762 031066	14.76 15.30	022763	15.47	111263	18.15 .
303 NENESE20T03S R01E	026162 031566	63.63 63.78	070262	61.79	030663	64.30	072065	61.80 .
306 SFNWNW29T03S R01E	021562 031066	8.41 8.36	062962	9.70	022763	8.92	031665	10.30 .
314 SEENW31T03S R01E	021562	8.14	062762	6.53	022763	8.39		.

TABLE 5. WATER LEVEL MEASUREMENTS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

LOCATION	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
434 NFNENE14T03S R01W	021262	102.44	062662	102.86	021963	103.06	110563	104.04
	032466	103.59		.		.		.
437 NWNESW14T03S R01W	021262	193.60	062562	193.97	030163	194.03	110563	196.00
	033165	195.70	032466	195.18		.		.
438 SFNESE14T03S R01W	021262	186.07	062562	186.30	110563	187.95		.
450 NFNWSW24T03S R01W	021362	214.17	062962	213.86	022863	214.42	111263	215.24
	040265	215.77	032566	214.59		.		.
454 SFSWSE24T03S R01W	021262	184.53	062562	184.15	022863	184.98	040265	186.30
	032566	185.01		.		.		.
456 SWSWNE25T03S R01W	021262	185.54	062562	185.46	062962	185.89	070262	185.46
	022863	185.86	110563	185.70		.		.
457 NWSWNW26T03S R01W	040265	372.38	032466	371.00		.		.
460 SWSEW33T03S R01W	071762	22.60	040466	32.39	072667	24.46		.
461 NFNWNE01T03S R02W	071862	22.12		.		.		.
465 SWNENW23T03S R02W	071762	111.95	041666	112.61		.		.
470 NWNWNW25T03S R02W	071762	119.90	071762	124.44		.		.
471 NWNWNW25T03S R02W	040466	21.70	040466	26.50		.		.
473 NFNWNE25T03S R02W	040466	28.23		.		.		.
477 NFNWNE36T03S R02W	071762	41.15	040466	37.55	07 67	41.00		.
480 NFNWSW03T03S R03W	072362	57.23		.		.		.
487 NWNESW13T03S R03W	072362	72.75	041666	74.38		.		.
490 NWNENE23T03S R03W	022362	53.15	041666	46.90		.		.
491 NFSESW23T03S R03W	072762	8.06	041666	4.55		.		.
493 NWNWSE23T03S R03W	072762	13.51	041666	7.99		.		.

TABLE 6. WELL LOGS FOR WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO

DEPTH (FEET)	FORMATION
LATITUDE 34 DEG. 12 MIN. 15 SEC.	
LONGITUDE 106 DEG. 54 MIN. 42 SEC.	
1S.1W.23.431	
ALTITUDE 4630 FEET	
OWNER MRS.E.A.SARRACINO	
13	TOP SOIL
61	SAND AND FINE GRAVEL
63	RED CLAY
100	SAND
LATITUDE 34 DEG. 12 MIN. 5 SEC.	
LONGITUDE 106 DEG. 54 MIN. 15 SEC.	
1S.1W.23.444	
ALTITUDE 4653 FEET	
OWNER GEORGE H. HILDERBRAND	
5	TOP SOIL
25	SAND
45	COARSE WATER SAND
95	COARSE GRAVEL
106	COARSE WATER SAND
112	SAND
LATITUDE 34 DEG. 11 MIN. 45 SEC.	
LONGITUDE 106 DEG. 53 MIN. 50 SEC.	
1S.1W.25.141	
ALTITUDE 4643 FEET	
OWNER B.G.RASKOB	
68	SAND
68	GRAVEL
72	SLATE
LATITUDE 34 DEG. 11 MIN. 20 SEC.	
LONGITUDE 106 DEG. 54 MIN. 00 SEC.	
1S.1W.25.332	
ALTITUDE 4635 FEET	
OWNER ED PROVINE	
65	SAND AND GRAVEL
80	QUICKSAND TURNING TO FINE GRAVEL
130	CLAY 6 FEET

TABLE 6. WELL LOGS FOR WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH (FEET)	FORMATION
OWNER E.E.JAMES	
90	BOULDERS, SAND AND GRAVEL (CASED)
180	YELLOW IGNEOUS ROCK (IRON ZONITE)
190	GRAY TUFF OR VOLCANIC SEDIMENT, VERY HARD
LATITUDE 34 DEG. 5 MIN. 52 SEC.	
LONGITUDE 107 DEG. 13 MIN. 38 SEC.	
2S.4W.35.110	
ALTITUDE 6780 FEET	
OWNER MAGDALENA	
90	CLAY AND GRAVEL
120	CLAY AND GRAVEL (WATER AT 102 IN COARSE SAND & GRAVEL)
LATITUDE 34 DEG. 2 MIN. 56 SEC.	
LONGITUDE 106 DEG. 52 MIN. 57 SEC.	
3S.1E.18.133	
ALTITUDE 4594 FEET	
OWNER MONTGOMERY	
1	TOP SOIL
8	RED SANDY CLAY
14	SAND - FINE
16	RED CLAY
20	BOULDERS -2 -4
55	COARSE SAND AND GRAVEL
57	RED CLAY
85	COARSE SAND AND GRAVEL
86	RED CLAY
100	VERY COARSE SAND AND GRAVEL
LATITUDE 34 DEG. 2 MIN. 6 SEC.	
LONGITUDE 106 DEG. 52 MIN. 37 SEC.	
3S.1E.19.144	
ALTITUDE 4600 FEET	
OWNER HOPE FARMS -JIM MOON	
4	TOP SOIL
12	CLAY
40	SAND
52	BOULDERS
65	ROCK
77	BOULDERS
107	SAND, BOULDERS

TABLE 6. WELL LOGS FOR WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH (FEET)	FORMATION
110	CLAY
LATITUDE 34 DEG. 2 MIN. 44 SEC. LONGITUDE 106 DEG. 57 MIN. 5 SEC. 3S.1W.16.323 ALTITUDE 5200 FEET OWNER BLUE CANYON	
25	GRAVEL
295	RHYOLITE TUFF BRECCIA IN PART WELDED
300	ANDESITE
LATITUDE 34 DEG. 2 MIN. 4 SEC. LONGITUDE 106 DEG. 53 MIN. 17 SEC. 3S.1W.24.244 ALTITUDE 4680 FEET OWNER UNDER BURSUM(MILL) EAST OF DRIVE-IN	
18	BOULDERS
57	GRAVEL
65	RED CLAY
70	GRAVEL
92	BLUE CLAY
100	SAND AND GRAVEL
105	BOULDERS
110	GRAVEL
142	BLUE CLAY
146	SAND AND GRAVEL
160	
LATITUDE 33 DEG. 57 MIN. 46 SEC. LONGITUDE 106 DEG. 51 MIN. 5 SEC. 4S.1E.17.200 ALTITUDE 4575 FEET OWNER LAWTON MUNCY	
2	TOP SOIL
20	SAND
22	BLUE CLAY
52	SAND
55	BLUE CLAY
92	SAND AND GRAVEL
93	RED CLAY
109	COARSE SAND AND GRAVEL

TABLE 6. WELL LOGS FOR WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH (FEET)	FORMATION
110	BLUE CLAY
125	COARSE SAND AND COARSE GRAVEL

LATITUDE 33 DEG. 55 MIN. 36 SEC.
 LONGITUDE 106 DEG. 52 MIN. 5 SEC.
 4S.1E.30.400
 ALTITUDE 4625 FEET
 OWNER ROBERT OLGUIN

6	SURFACE SOIL
18	SANDY CLAY
30	SAND AND GRAVEL
40	BLUE CLAY
60	COARSE SAND AND GRAVEL
61	RED CLAY
80	BOULDERS
81	RED CLAY
96	SAND AND GRAVEL
99	BLUE CLAY
128	SAND AND GRAVEL
129	RED CLAY
154	SAND AND GRAVEL
154	BOTTOM OF WELL

LATITUDE 33 DEG. 55 MIN. 6 SEC.
 LONGITUDE 106 DEG. 52 MIN. 34 SEC.
 4S.1E.32.322
 ALTITUDE 4540 FEET
 OWNER FRED , SAN ANTONIO, N.MEX.

7	SANDY
10	BOULDERS
17	SAND ON GRAVEL
27	GRAVEL AND BOULDERS
60	SAND AND GRAVEL

LATITUDE 33 DEG. 42 MIN.
 LONGITUDE 106 DEG. 59 MIN.

ALTITUDE 4475 FEET
 OWNER U.S.B.R. (SAN MARCIAL CAMP WELL)

2	SURFACE SAND
8	SAND AND GRAVEL
13	CLAY

TABLE 6. WELL LOGS FOR WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH (FEET)	FORMATION
19	SAND AND GRAVEL
22	CLAY
30	SAND, FIRST WATER
70	SAND AND GRAVEL
80	CLAY
95	SAND AND GRAVEL
107	SANDY CLAY
110	SAND AND GRAVEL
120	YELLOW SANDY CLAY
142	SAND AND GRAVEL
142	BOTTOM OF HOLE

LATITUDE 33 DEG. 52 MIN. 30 SEC.
 LONGITUDE 106 DEG. 51 MIN. 5 SEC.
 5S.1E.17.200
 ALTITUDE 4520 FEET
 OWNER APACHE LAND CO.

10	SAND
12	SANDY CLAY
30	SAND
45	SAND AND GRAVEL
46	RED CLAY
88	COARSE SAND AND GRAVEL
89	RED CLAY
89	RED CLAY
110	SAND AND GRAVEL
111	RED CLAY
120	SAND AND GRAVEL
120	BOTTOM OF WELL