

CIRCULAR 115

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

by NANCY J. CLARK

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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 hydrody-
namics 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 adja-
cent 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 devel-
opment 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.

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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	NENENE27T01S R01E	JONES	4659	P	H	W	D	
4	01T01S R01W	R.R.	4680					
5	SESWSW14T01S R01W	HIGGINS	4673	P	H	W		
6	NFESWS14T01S R01W	GIRON	4658	P	H			
7	SE14T01S R01W	BUR.RECC.	4650					
8	NWSWSE14T01S R01W	RAWLINS	4672	P	H			
9	NFESW15T01S R01W		4840		S	W		1957
10	SFSENE22T01S R01W	ARMS.&ARMS.CONS	4670	N	N	W		
11	SENE22T01S R01W	CAMPBELL	4750	P	S	W		
12	NENENW23T01S 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	NWSE25T01S 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	MESENE26T01S R01W	B RASKOB	4641					
27	SWSENE26T01S R01W	PAUL WOOFER	4641	P				
28	NFSENE27T01S R01W	H PADILLA	4657	P				
29	SFSENE27T01S R01W	MUNEZ	4670	P				
30	NENESE27T01S R01W		4662		H		D	
31	NENESE27T01S R01W	B G RASKOB	4660	P	H	W		
32	SESWSW27T01S R01W	HENSLEY	4692	P	H			
33	NESESE27T01S R01W	DOBBINS	4663	P	H			1957
34	SESESE27T01S R01W	ARMS + ARMSCONS	4670	N	H	D		
35	SFSWSW32T01S R01W		5650					
36	NFNESE34T01S 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	SFSES35T01S R01W	FIERRO	4646	P	H			
42	NESE35T01S R01W	FALKNER		P	I	W		
43	NWENW30T01S 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	DONHUDGINS						

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGNANA 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 MEASURE- MENT 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	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 NNWSE19T02S R01E	WILLIE EMILLIO	4615	P				
52 SWSWNE19T02S R01E	OLSON WELL	4610					
53 NNWWSW19T02S R01E		4600		U			
54 NNWESW19T02S R01E	WILLIE EMILLIO	4615	P				
55 NFENSW19T02S R01E	DAVE PINO	4618					
56 NNWSE19T02S R01E	WILLIE EMILLIO	4615	P				
57 NFSWNW30T02S R01E	PAUL EDGINGTON	4600	P				
58 NFESENE30T02S R01E		4600					
59 NWESENE30T02S R01E	WILLIE EMILLIO	4600	P	S	W		
60 SWSWNW31T02S R01E	V SISNEROS	4603	P	U			
61 NFENEF31T02S R01E	JOSE CHAVEZ	4600	P	H	W		
62 NFENEF31T02S R01E	WILLIE EMILLIO	4600	P				
63 NFENEF31T02S R01E	WILLIE EMILLIO	4600	P				
64 NNWWSW31T02S R01E	P H TORRES	4601	P				
65 SWSESW31T02S R01E		4600		S			1951
66 SFESEW31T02S R01E	J T COOK	4602	P	I	W		
67 SFESEW31T02S R01E	COOK-GREENWALD	4602	P	I	W		
68 NFSWSW32T02S R01E	GALINDO	4610	P				
69 SFSWSW32T02S R01E	JOF 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 NNWWSW02T02S R01W		4688		U			
74 NFSWSW02T02S R01W	WESTERN COTTON GIN	4690					
75 SESESW02T02S R01W	WEST		P	H			
76 SFESEW02T02S R01W	GARCIA	4663	P	H			
77 SNNWSE02T02S R01W	MANTABES	4655	P	H	W		
78 NWSWSE02T02S R01W	MONTAYA	4651	P	H	W	D	
79 SFSWSE02T02S R01W	GONZALES	4643	P	H	W		
80 SFESE02T02S R01W	W LAWSON	4620	P	H	W		
81 SFNNW11T02S R01W	DUKE	4722	P	H			
82 NFENW11T02S R01W	R SANTILLANES	4677	P	H			
83 SFENW11T02S R01W	RAJILLOS	4688	P	H	W		
84 SNNWNE11T02S R01W	CHAVEZ	4670	P	H	W	D	
85 NFENNE11T02S R01W		4630		H	W		
86 NFENNE11T02S R01W	BENAVIDEZ		P	H	W		
87 NWESENE11T02S R01W	R GONZALES JR	4652	P	H	W		1954
88 NFESENE11T02S R01W	ANDY HILL	4640	P				1954
89 SFESENE11T02S R01W	LUM EAKIN	4640	P				
90 NNWSE11T02S R01W	CHAVEZ	4647		U			
91 SFNWSW12T02S R01W	J B KELLY	4630	P	I	W		
92 NFENSW12T02S R01W		4625					
93 NFENSW12T02S R01W		4625					1951
94 SNNWNW13T02S 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 (*)	
					BELOW 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		64	*	
57	95	85	16	P		10	2700		*	
58					9	366			*	
59	13		8		3	5	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			*	
67	75		18		7	10			*	
68				6	6	26			*	
69				5					*	
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 R01W	ANDERSON	4651	P	U		D	
98	NWSESW13T02S R01W		4646		U			
99	NFENE14T02S R01W		4646		U		D	
100	SWSENE14T02S R01W		4690					
101	NFESW15T02S R01W		4627					
102	NWSENW22T02S R01W	MARTIN		P	H	W		
103	SWNESE24T02S R01W	WALTERS	4610	P	H			
104	NWNNENW24T02S R01W	SILVA	4628	P	H			
105	NWSWSE24T02S R01W		4623		H		D	
106	NENENW25T02S R01W	SLOAN	4627	P	H	W		
107	NESENW25T02S R01W	PINO	4618		H		D	
108	SWNWNE25T02S R01W	HALE	4610	P	I	W		
109	NWNESW25T02S R01W	CRAWFORD	4630	P	H			
110	NFESW25T02S R01W	PAT COLES	4630	P	H			
111	SWNESW25T02S R01W	STUBBS	4650		H			
112	SFNESW25T02S R01W	P SICKLES	4628	P				
113	SENESW25T02S R01W	ORTIZ	4645		P			
114	SFNESW25T02S R01W	ESCONDIDA SCH	4623					
115	NWSESW25T02S R01W	LOPEZ	4621	P	H	W		
116	NESESW25T02S R01W	DR.G.GREENE	4623	P				
117	SFSESW25T02S R01W	KING	4628	P	H	W		
118	SESESW25T02S R01W	LEBLANC	4633	P				
119	SFSESW25T02S R01W	L MURRY	4633	P				
120	SFSESW25T02S R01W	SHERIFFLOPEZ	4632	P				
121	SWSWE25T02S R01W	FRANK KING	4628					
122	NFSWSW26T02S R01W	W STATETUB SAN.	4736	S				
123	NFNWSW29T02S R01W	MARTIN	5070	P	S	W		
124	NWSWNW31T02S R01E	V SISNEROS	4602	P				
125	NWNNENE35T02S R01W	NEWMEX TUBSAN3	4673	S	H	W		
126	SWESE35T02S R01W	OLDSTATEHOSPITA	4682					
127	SESESE35T02S R01W	OLD STHOSPITAL	4668					
128	SESESE35T02S R01W	OLDST.HOSPITAL	4674					
129	NWNWNW36T02S R01W	N.M TUB.SAN.	4668	S	H	W		
130	SESWNW36T02S R01W		4625		H			
131	SFSWNW36T02S R01W	FRANK RICHARD	4650					
132	NWSENW36T02S R01W		4634					
133	NWSENW36T02S R01W		4634					
134	NESENW36T02S R01W	PURDUE	4630		U		D	
135	NESENW36T02S R01W	CEMENT PLANT	4633					
136	NESENW36T02S R01W	V PALE	4629					
137	SWSENW36T02S R01W	FILMONE SEDILLO	4645	P				
138	SESENW36T02S R01W	CRESPIN		P	H			
139	SESENW36T02S R01W	FELIX CRESPIN	4630	P			D	
140	SENWNE36T02S R01W	V TORRES	4618	P	H	W		
141	NWSWNE36T02S R01W	V G TORRES	4619	P				
142	SFSWNE36T02S R01W	PABLO CASTILLO	4610	P				
143	NFNWSW36T02S R01W	DELONG	4650	P	H			
144	NFNWSW36T02S R01W	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
145	NENSW36T02S R01W	B A MONTTOYA	4640				
146	SENWSW36T02S R01W	V GONZALES	4620	P	H	W	
147	SENWSW36T02S R01W	GALLEGOS	4619	P	H		
148	SENWSW36T02S R01W	WEEKS	4628	P			
149	SENWSW36T02S R01W	R BAILEY	4640	P			
150	NWNE36T02S R01W	F JOJOLLA	4632				
151	NWNE36T02S R01W		4635				
152	NWNE36T02S R01W	BRANEY LONG	4635	P			
153	NWNE36T02S R01W	LAWRENCE VIGIL	4640				
154	NWNE36T02S R01W	JOSE JELASAS	4640				
155	NWNE36T02S R01W	C JONES	4630				
156	NWNE36T02S R01W	BRANFY LONG	4630	P			
157	NWNE36T02S R01W	L. B GONZALES	4630				
158	NWNE36T02S R01W	LUCKY BAR	4630	P			
159	NWNE36T02S R01W		4624				
160	SWNE36T02S R01W		4630				
161	SWNE36T02S R01W	J.B. GONZALES	4630				
162	SWNE36T02S R01W		4630				
163	SWNE36T02S R01W	JOE J. GALLOJOS	4630		P		
164	SWNE36T02S R01W	LUCUS TORRES	4630	P			
165	SWNE36T02S R01W	FELIX TORRES	4615	P			
166	SFSWSW36T02S R01W	SALMON MOYA	4630	P			
167	NWSE36T02S R01W	BENAVIDEZ	4614	P	H	W	
168	NWSE36T02S R01W	OTERO	4624	P	U		
169	NWSE36T02S R01W	OTERO	4624	P	H	W	
170	NWSE36T02S R01W	ARORA GARCIA	4630	P			
171	NWSE36T02S R01W	FRANK TGONZALES	4625	P			
172	NWSE36T02S R01W	L.BENAVIDEZ	4625	P			
173	NWSE36T02S R01W	MARIAGMONTONAYA	4620	P			
174	NWSE36T02S R01W	HARMAN ARAGON	4620	P			
175	NWSE36R02S R01W	JOSEPH MIERA	4616	P			
176	NWSE36T02S R01W	JAME BAKAR	4609				
177	SWSE36T02S R01W	ROBERT EBLER	4611				
178	SWNE36T02S R01W	FELIX TORRES	4618	P	H		
179	NWSWSE36T02S R01W	BARTEE	4608	P	I	W	
180	SWSWSE36T02S R01W	J JOJOLLA	4602	P	H	W	
181	SWSWSE36T02S R01W	JOE JOJOLLA	4602	P			
182	SWSWSE36T02S R01W	E G JOJOLA	4605	P			
183	SESWSE36T02S R01W	BARTEE	4602	P			
184	NWSESE36T02S R01W	JOE GIANERA	4600	P	I	W	
185	SENE36T02S R02W	CECIL GRAY	5870				
186	SENE36T02S R02W	GREY	5882	P	S		
187	NWSW10T02S R02W	CECIL GRAY	6085		U		D
188	NWNWSW10T02S R02W	GRAY	6103				
189	SWSW11T02S R02W	GRAY	5941	P	S	W	
190	NENWNW18T02S R02W	GRAY	5847	P	H	W	
191	NWNE36T02S R02W	CECIL GRAY	5835				
192	NENE36T02S R02W	J B KELLY	5830	P	S	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			
145				5					
146	90			5				72	*
147	90			5				72	*
148				5					
149		7		5					
150					43	063			
151		6		S					
152				5					
153	100	1		S					
154									
155				6					
156		4		6					
157				6					
158	87								
159				6	32	366			
160				S					
161	85	1		S					
162		1		5					
163		1		S					
164				S					
165				6	22	159			
166	55	6							
167	50			6				68	*
168	40								
169	80			5				68	*
170			T						
171		1		5					
172		4		S					
173		1		5					
174		10		5					
175		1		S					
176	80	6		S					
177				1	18	159			
178		8			27	N63			
179		8		L	17	366			
180	60			5				66	*
181				5					
182		3		S					
183		5		S					
184	112	68	P		10	N65	1770		*
185				6	168	867			
186	150			6	150	660			
187	285								
188	412								
189		6		6			1		
190	150			6	144	660		68	*
191					118	867			
192	160			6	121	762		64	*

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	NFNESE19T02S R02W	J.B.KELLY	5835					
194	NENESE19T02S 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	SESENE28T02S R02W	KELLY	5835					
200	NESWSE34T02S R02W	P.STROZZI	5795	P	S	W		
201	NFSWSE34T02S R02W	P.STROZZI	5780					
202	NWNESE35T02S R02W		5715					
203	SWNESE35T02S R02W	P.STROZZI	5714	P	H	W		
204	NFNWSW35T02S R02W	P.STROZZI	5700					
205	NENWSW01T02S R03W	DON HUGGINS						
206	NFNESW01T02S R03W	BADGER CATTLECO	5874	N	S	W		
207	SESESW07T02S R03W		6240					
208	SWSWSE07T02S R03W	LA TOSSA	6243	P	H	W		
209	SWSWSW11T02S R03W	GRAY	5946	P	S	W		
210	NFENW17T02S R03W	LATASTA EST.						
211	NWNWNW22T02S R03W		6020					
212	NWNWNW22T02S R03W	LATASTA EST.	6015					
213	SENWNW22T02S R03W	LA TOSSA	6016	P	S	W		
214	SSENE23T02S 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	TRIJILLO	6438	P	H	W		
223	SFSWSE13T02S 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	NWNESE23T02S R04W	WALLACE	6559	P	H	W		
228	SWSWSW24T02S R04W	MRS.G.C.WALLACE	6680	P	S	W		1950
229	SWSWSW24T02S R04W	MRS.G.C.WALLACE			U			
230	NWNWNE24T02S R04W	TONY TRUJILLO	6425					
231	NWNWNE24T02S R04W	TONY TRUJILLO						1963
232	SWNE26T02S R04W	MRS.G.C.WALLACE		P	S	W		1926
233	SFNESE26T02S 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	SSENE27T02S R04W	E.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 MEASURE- MENT 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	6760	P			D	
242	SWNESW35T02S R04W	6850	N			D	
243	NWSESW35T02S R04W	6870	N				
244	SFNWSW04T03S R01E	5240					
245	SFSWSW06T03S R01E	4593					
246	SWSESW06T03S R01E	4600	P				
247	NWNESE06T03S R01E	4597	P	I	W		
248	SFSWSE06T03S R01E	4597	P				
249	SFSESW06T03S R01E	4600	P	H	W		
250	SWSWNE06T03S R01E	4600					
251	SESWNE06T03S R01E	4597					
252	NWSENE06T03S R01E	4600					
253	NWNESE06T03S R01E	4600					
254	NWNESE06T03S R01E	4600					
255	NENWNW06T03S R01E	4600					
256	NWNESE06T03S R01E	4600					
257	SFNENW06T03S R01E	4600					
258	NFSWNW06T03S R01E	4598					
259	SFSWNW06T03S R01E	4595	P				
260	SWNWNE06T03S R01E	4599	P	I	W		
261	SWSESW07T03S R01E	4600	P				
262	SESWNE07T03S R01E	4600	P				
263	NWSESW07T03S R01E	4592	P				
264	NWNESE07T03S R01E	4592	P		W		
265	NENWNW07T03S R01E	4592	P				
266	NENWNW07T03S R01E	4600	P				
267	SWSWNW07T03S R01E	4600	P	N	I	W	
268	SWNWSW07T03S R01E	4589	P	I	W		1948
269	SWNWSW07T03S R01E	4589	P	U	W		
270	SESWSW07T03S R01E	4600	P	H	W		
271	SESWSW07T03S R01E	4587	P				
272	SWNESE07T03S R01E	4587	P				
273	SWSESW07T03S R01E	4600	P				
274	NWSESW07T03S R01E	4591	P				
275	SWNWSE07T03S R01E	4590	P				
276	SFSWSE07T03S R01E	4590	P				
277	SWNWSW17T03S R01E	4589	P	I	W		
278	SWNESE18T03S R01E	4600	P				
279	SWSESW18T03S R01E	4600	P				
280	SESESW18T03S R01E	4588	P				
281	SWNWSE18T03S R01E	4600	P				
282	SWSWNE18T03S R01E	4588	P		W		
283	NWNESE18T03S R01E	4600	P		W		
284	SWSESW18T03S R01E	4600	P		W		
285	SFSESW18T03S R01E	4600	P		W		
286	SFSESW18T03S R01E	4584	P		W		
287	NWSESE18T03S R01E	4587	P				
288	NWNESE18T03S R01E	4588		I	W		1954

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 MEASURE- MENT 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 SUCORRO MAGDALEÑA ARFA, NEW MEXICO (CONT)

LOCATION	OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
289	NFSENN18T03S R01E	4600	WEEKS	P			
290	SWSNNW18T03S R01E	4593	MONTGOMERY	P	I	W	
291	SFSENN19T03S R01E	4591	HOPE FARMS	P	I	W	
292	SFSENN19T03S R01E	4600	HOPE FARMS	P		W	
293	SFSENN19T03S R01E	4600	HOPE FARMS	P	H	W	
294	NFSENN19T03S R01E	4600	HOPE FARMS	P		W	
295	SFSENN19T03S R01E	4600	SIMMS	P	S	W	
296	SFSENN19T03S R01E	4590	HOPE FARMS	P	I	W	1951
297	SFSENN19T03S R01E		SIMMS	P	I	W	
298	SFSENN19T03S R01E		HOPE FARMS	P	I	W	
299	SFSENN19T03S R01E		HOPE FARMS	P	I	W	
300	SWSNNF19T03S R01E	4590	SIMMS	P	I	W	1956
301	NFSESW19T03S R01E	4589	SIMMS	P		W	
302	NFSESW19T03S R01E	4600	HOPE FARMS	P		W	1955
303	NFSESW19T03S R01E	4600	HOPE FARMS HO	P	I	W	1955
304	NFSESW20T03S R01E	4617	S M JONES	P			1956
305	NFSESW20T03S R01E	4700	S M JONES	P			
306	SENNW29T03S R01E	4600	HOPE FARMS GIG	P	I	W	
307	SENNW29T03S R01E	4579	HOPE FARMS GIG	P	I	W	
308	NFSESW30T03S R01E	4600	SEIMMS RANCH	P			
309	SFSESW30T03S R01E	4600	SIMMS	P	S	W	
310	NFSESW30T03S R01E	4600	HOPE FARMS	P			
311	NFSESW30T03S R01E	4575	HOPE FARMS	P			
312	SFSESW30T03S R01E	4573	SIMMS	P			
313	SFSESW30T03S R01E	4597	SIMMS	P			
314	SFSESW30T03S R01E	4597	VIRGIL B SAGE	P			
315	SFSESW31T03S R01E	4600	JAMES C MORRIS	P			
316	SFSESW31T03S R01E	4597	M JOHNSTON	P			
317	NFSENN31T03S R01E	4600	EDWARD SMITH	P			
318	NFSENN31T03S R01E	4596	BRAMMER	P			
319	NFSENN31T03S R01E	4600	S H YOUGHCOO	P			
320	SWSNN31T03S R01E	4600	J F CONNOLLY	P			
321	SWSNN31T03S R01E	4598	G C DEAN	P			1952
322	SWSNN31T03S R01E	4475			H		
323	SWSNN31T03S R01E	4600	U.S.R.R.				
324	NWSENF02T03S R01W		WOODS	P	I	W	
325	NWSENF02T03S R01W		HAROLD OLSEN	P			
326	NWSENF02T03S R01W		MIKE LOPEZ				
327	NWSENF02T03S R01W		OLD MONTOYA PLA				
328	SFSENNW01T03S R01W	4608	JOE GINARHA	P		W	
329	SWSNNW01T03S R01W	4608	DEAN	P	I	W	
330	NFSENNW01T03S R01W	4601	JOE GIANERA	P		W	
331	SFSENNW01T03S R01W	4605	NEWBERRY	P		W	
332	SFSENNW01T03S R01W	4605	A.L. PORLER	P		W	
333	SFSENNW01T03S R01W	4605	JOJOLA	P	D	W	
334	NWSENE01T03S R01W	4605	JOE GINERA	P			
335	NWSENE01T03S R01W	4595	GRADY HILL	P			
336	NWSENE01T03S R01W	4568	DEAN			W	
337	NWSENE01T03S R01W	4600	DEAN	P		W	
338	NWSENE01T03S R01W	4597	WHISEMANT	P		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 (*)
					BLOW GROUND SURFACE (FEET)	DATE OF MEASURE- MENT 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	S			2300	
298	145				S			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					I				
311			2		S				
312	60		1		S				
313	48		1		S				
314	75		12			8	263		
315			3		S				
316	52		1		S				
317	48		4		S				
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					S	7	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	4600	P	D	W		
338	NFNENE01T03S R01W	4600	P		W		
339	NFNENE01T03S R01W	4597	P	D	W		
340	SFNENE01T03S R01W	4600	P	I	W		
341	NFSWNE01T03S R01W	4600	P		W		
342	NFSWNE01T03S R01W	4600	P		W		
343	SFSWNE01T03S R01W	4600	P		W		
344	NWSENE01T03S R01W	4600	P		W		
345	NFNESW01T03S R01W	4600	P	D	W		
346	NWNWSE01T03S R01W	4592	P		W		
347	SWNWSE01T03S R01W	4598	P		W		
348	SWNWSE01T03S R01W	4598	P		W		
349	SWNESE01T03S R01W	4592	P	I	W		
350	SWSESE01T03S R01W	4597	P		W		
351	SFSESE01T03S R01W	4595	P		W		
352	SFSESE01T03S R01W	4589	P		W		
353	NFSWNE02T03S R01W	4640	P	D	W		
354	NWSENE02T03S R01W	4610		D	W		
355	NFSENE02T03S R01W	4616		H			
356	NWNESE02T03S R01W	4620					
357	NWNWSE02T03S R01W	4615					
358	NWNESE02T03S R01W	4617					
359	NWNESE02T03S R01W	4610	P				
360	SWNESE02T03S R01W	4620					
361	SWNESE02T03S R01W	4611	P				1951
362	NWSESE02T03S R01W	4630	P	H	W		
363	NWSESE02T03S R01W	4620	P	H	W		
364	NWSESE02T03S R01W	4780					
365	SFSESW03T03S R01W	4785					
366	SFSESW03T03S R01W	5500					
367	SWSWSE04T03S R01W	4645		U			
368	SFNWSW07T03S R01W	5957					
369	NFNENE09T03S R01W	4890					
370	NFNENW10T03S R01W	4728					
371	SWSENF10T03S R01W	4728					1954
372	NWNWNE11T03S R01W	4656					
373	NFNWNE11T03S R01W	4630	P				1954
374	NFNWNE11T03S R01W	4630					
375	NFNWNE11T03S R01W	4637	P	I	W		1951
376	SFNWNE11T03S R01W	4655					
377	SFNWNE11T03S R01W						
378		4658					
379	SFNENE11T03S R01W	4628					1954
380	NWSENE11T03S R01W	4635					1963
381	NWSENE11T03S R01W	4635					
382	NWSENE11T03S R01W	4635		I			
383	NFSENE11T03S R01W	4630					
384	NWSESW11T03S R01W	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 (*)
					BELOW 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	5			4	63	
364									
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	N65	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			

AR
LED

1951

1954

1954

1951

1954
1963

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		U		
386	NFNWNW12T03S R01W	4606	MCNIERNEY				
387	NWNENW12T03S R01W	4601	FRANK MAHER				
388	NFSWNW12T03S R01W	4615	SHIRLEY GIRARD	P			
389	NFSWNW12T03S R01W	4610	PAVLOCK				
390	SWSWNW12T03S R01W	4616	NMIMT		U		1957
391	SFSWNW12T03S R01W	4615	B. RICHARDSON				
392	SWNE12T03S R01W	4595					
393	SENE12T03S R01W	4593					
394	NWSE12T03S R01W	4593					
395	SWSE12T03S R01W	4593	JOHN MCHUE				
396	NWNWSW12T03S R01W	4620	NMIMT OLSEN				
397	NWNWSW12T03S R01W	4634	MANNING				
398	SWNWSW12T03S R01W	4635					
399	NWNESW12T03S R01W	4610	WOODWARD	P	I	W	
400	NWNESW12T03S R01W	4612	ERNEST MOORE	P			1960
401	SWNESW12T03S R01W	4510	CARL DAGUSTINO				
402	SFNESW12T03S R01W	4605	CITY OF SOCORRO	M	P		
403	SFSESW12T03S R01W	4630	CARL OLIVER				
404	NWSESE12T03S R01W	4602	MRS ARORA				
405	SFSESE12T03S R01W	4592	H. SNOODGRASS	P	H	W	D
406	SWNWNW13T03S R01W	4670					
407	SWNENW13T03S R01W	4655					
408	SENEW13T03S R01W	4640	W J FATON				
409	SWSWNW13T03S R01W	4683	ALVIN PEARCE				
410	SWNWNW13T03S R01W	4635	A W EOELEN	P	H		
411	SFNWNE13T03S R01W	4617					
412	SENE13T03S R01W	4603					
413	SFNE13T03S R01W	4597	SOCORRO H S				
414	NWSWNE13T03S R01W	4638	H O BURSUM	P	H	W	
415	NWSWNE13T03S R01W	4636	SAM LANE				
416	NESWNE13T03S R01W	4610	MISS HERRICK	P			
417	NFSWNE13T03S R01W	4632					
418	NESWNE13T03S R01W	4617	HUSTON	P			
419	NFSWNE13T03S R01W	4617	C. WAGGONER	P			
420	SWSWNE13T03S R01W	4630	SMITH				
421	SWSWNE13T03S R01W	4630	HARRIET	P	I	W	
422	SWSWNE13T03S R01W	4630					
423	SFSWNE13T03S R01W	4629	ISSAC CHAVEZ	P			
424	SFSWNE13T03S R01W	4628	BARNET	P			
425	NWSENE13T03S R01W	4614	LA CASITA				
426	SWSENE13T03S R01W		GEORGE SICKLES	P	H	W	
427	SWSENE13T03S R01W		SICKLES	P	H		
428	SWSENE13T03S R01W	4610	LA CASITA				
429	NWNWSW13T03S R01W	4693	WILLIAM MCCARTHY		H		
430	NESW24T03S R01W	4660	FAIR GROUNDS		H		
431	NWNWSE13T03S R01W	4648	CHAVEZ	P	H	W	
432	NWNWSE13T03S R01W	4627	DAVIS CHAVEZ				

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
433	NENESE13T03S R01W	4630					
434	NFNENE14T03S R01W	4650					
435	SFNENE14T03S R01W	4675	TIBORCIO SILVA	P	P		
436	SFSWNE14T03S R01W	4 43	SOCORRO CITY				
437	NWNESE14T03S R01W	4770					
438	SENESE14T03S R01W	4764	MRS. HILL				
439	NFNENE16T03S R01W	4925	NMIMT				
440	SWSWNE16T03S R01W	5080	NMIMT				1956
441	SFSWSW16T03S R01W	5306			H		
442	SWNESW16T03S R01W	5200	BLUE CANYON				
443	SFSENE19T03S R01W	5680	SEDILLO ALLOTME				
444	NFSWNE20T03S R01W	5420	NMIMT				1961
445	NWNWSE20T03S R01W	5480	SEDILLO GRAZING				1952
446	SWSWNE23T03S R01W	4810	N. M. NAT'L GUAR	F			1957
447	NWSWNE24T03S R01W	4712	SIERRA DRIVE-IN				
448	SFSENE24T03S R01W	4674	MONROE MILL				
449	SFSENE24T03S R01W	4680	KING WELL			I	
450	NFNWSW24T03S R01W	4787	FAIR GROUND				
451	NWSWSE24T03S R01W	4589	HAMPTON	P			
452	NWSWSE24T03S R01W	4586	HAMPTON	P			
453	NWSWSE24T03S R01W	4752	N.M.H.DEPT.				
454	SFSWSE24T03S R01W	4757	J. THOMAS				
455	NWSWNE25T03S R01W	4640					
456	SWSWNE25T03S R01W	4760	SOCORRO AIRPORT				
457	NWSWNW26T03S R01W	4941	OLDAMBROSIAMILL	N	N		
458	NWNWSW26T03S R01W	4930	ROADSMININGMILL	N	N		
459	NWSWSW27T03S R01W	4941	RHODES MILL				
460	SMSENW33T03S R01W	5155	SADILLO ALLOTME	P	U	W	D
461	NENWNE01T03S R02W	5651	P STROZZI		H		
462	SFNESE08T03S R02W	6075	WATERCANYONLOND	P	S		
463	SWNESE17T03S R02W	6106	A STROZZI	P	S		
464	NWNWNW20T03S R02W	6232	F STROZZI	P	S		
465	SWNENW23T03S R02W	5864	SEDILLO		S		
466	SWNENW23T03S R02W	5878	SEDILLO ALLOTME	P	U		D
467	SFSESE23T03S R02W	5673	SEDILLO		U		
468	SFSESE23T03S R02W	5690	SEDILLO ALLOTME		U		
469	SWSWSW24T03S R02W	5680	SEDILLO ALLOTME				
470	NWNWNW25T03S R02W	5680					D
471	NWNWNW25T03S R02W	5680					
472	NWNE25T03S R02W		SEDILLO ALLOTME				
473	NFNWNE25T03S R02W	5560					
474	SWSESE25T03S R02W	5520			S	W	
475	NFNENE26T03S R02W	5680	SEDILLO ALLOTME				D
476	NFNENE26T03S R02W	5685	SEDILLO ALLOTME				
477	NFNWNE36T03S R02W	5760	SADILLO ALLOTME				
478	NENWNE01T03S R03W	6120	STROZZI ALLOTME				
479	NENWNE01T03S R03W	6104	F STROZZI		S		
480	NENWSW03T03S R03W	6800	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 (*)
					BFLOW GROUND SURFACE (FEET)	DATE OF MEASUREMENT 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								
446	300					767			
447		6		S	240	661			
448	175	8		S	136	453	7	64	
449		161	8	P	102				
450		6		S	215	N63			
451	65			S					
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
							1965
481 N5ENE10T03S R03W		6831			H		
482 NENESE10T03S R03W	STROZZI ALLOTME	6740				T	
483 NENWSE10T03S 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		
490 NWNENE23T03S R03W	CIBOLA NAT, LFOR	6580			H		
491 NFSESW23T03S R03W	KELLY	6677			H		
492 NFSESW23T03S R03W	KELLY						
493 NWNWSE23T03S R03W		6680					
494 NWNW26T03S R03W		7000					1890
495 NWNW26T03S R03W		7000				D	
496 NWNW26T03S R03W	SANTA FE R.R.	6680					
497 NWNW26T03S R03W	CIBOLANATFOREST	6800			S		
498 SWNWNW26T03S R03W	CIBOLANATFOREST	6800					
499 NWNWNE27T03S R03W		7000			S		
500 NWNWNE27T03S R03W	CIBOLA FOREST	7000			S		
501 NFSWSW34T03S R03W	CIBOLA FOREST	7200					
502 NWNENW02T03S R04W	DONALDHUTCHISON	6915					1938
503 NWNWNE02T03S R04W	DON HUTCHISON	6950				D	
504 NWNWNE02T03S R04W	DON HUTCHISON	6950				D	
505 SFENSW11T03S R04W	DON HUTCHISON	7350					
506 NW12T03S R04W		7200					
507 SESESE05T04S R01E	FRANK FERNANDEZ	4575		P		S	
508 06T04S R01E	KOPPFL BROTHERS	4575		P			
509 SMSWNW06T04S R01E	MIKE PADILLA			P		H	1952
510 SESENE08T04S R01E	CALSO OTERO	4575		P		S	
511 NENESE08T04S R01E	AMBROSE ARMIJO	4575		P		H	
512 NENESW16T04S R01E	FRANK FERNANDEZ	4575		P		H	
513 NE17T04S R01E	LAWTON MUNCY	4575		P		I	
514 NWSWNE17T04S R01E	TOCCIVER	4560		P		I	
515 SWSE20T04S R01E	WALTER DUNCAN	4550					
516 SWSENE21T04S R01E	JOHNNIE VIGIL	4560					
517 NWNW27T04S R01E		4560					
518 SE30T04S R01E	ROBERT OLGUIN	4625		P			1955
519 NENESW32T04S R01E		4540					
520 NFNWNE22T04S R01W	MCA 11 NEW	5000					
521 NWNW23T04S 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 CASFD 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			
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		480	800		
521	503		12		3	423	500		
522	503								*
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 NESENW35T01S 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 SWNWE02T02S R01W			7.5	.	150.	25.	263.	.	478
79 SESWSE02T02S 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 SWNWE11T02S 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 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
96	SESWNW13T02S R01W		7.7	.	179.	42.	117.	.	334
97	NWNWSW13T02S R01W		7.6	.	154.	39.	178.	.	352
102	NWSENW22T02S R01W		7.5	.	67.	24.	96.	.	224
103	SWNESE24T02S R01W		7.4	.	110.	21.	72.	.	273
104	NWNENW24T02S R01W		7.3	.	200.	80.	284.	.	684
105	NWSWSE24T02S R01W		7.2	.	117.	41.	172.	.	415
106	NENENW25T02S R01W		7.4	.	122.	23.	90.	.	244
107	NESENW25T02S R01W		7.0	.	48.	17.	74.	.	229
108	SWNENE25T02S R01W		7.8	38.	.	.	41.	4.2	192
110	NENESW25T02S R01W	30759	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	NESENW36T02S R01W		7.4	.	37.	8.	70.	.	195
138	SESENW36T02S 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	SWSWSE36T02S R01W		7.6	.	43.	14.	41.	.	176
184	NWSESE36T02S R01W	12066	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
		41065	7.6	27.	66.	8.9	16.	1.6	220
202	NWNESW35T02S R02W		8.2	.	46.	3.	28.	C.	190
203	SWNESW35T02S R02W		7.9	.	59.	9.	20.	.	200
206	NENESW01T02S R03W	63060	7.9	.	26.	7.	35.	.	161
208	SWSWSE07T02S R03W		7.6	.	67.	15.	.	10.	234
209	SWSWSW11T02S R03W		7.9	.	30.	7.	32.	.	161
		8 966	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	SWNENE27T02S R03W		7.8	.	44.	10.	18.	.	166
221	NWSESW12T02S R04W		7.1	.	64.	19.	.	29.	244
222	SWSWSE13T02S R04W		7.2	.	58.	12.	26.	.	234
227	NWNESW23T02S 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.	17.	.	.	.	.	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
							102.0	5.8	325
							212.0	7.0	348
291 SESENI19T03S RO1E	31259	60	7.50	30.	.	.			361
293 SESENI19T03S RO1E	31259		7.40	36.	.	.	106.	7.3	209
295 SESENI19T03S RO1E	31259		7.3	32.	.	.	65.	4.3	124
305 SENNNW29T03S RO1E	31259	55	7.6	30.	.	.	22.	2.4	122
308 NESWSE30T03S RO1E			7.2	26.	.	.	.	.	138
321			.	.	.	.	31.	3.1	425
336 NENENE01T03S RO1W	031159		7.2	3.0	.	.	232.	9.3	421
339 NENENE01T03S RO1W	031159		7.4	29.	.	.	211.	7.3	310
340 SESENE01T03S RO1W	052252		.	41.	.	.	115.	.	205
354 NWSENE02T03S RO1W			7.6	.	98.	25.	55.	.	358
356 SENNSE02T03S RO1W			7.2	.	74.	15.	232.	C.	83
362 NWSENE02T03S RO1W			.	48.	87.	23.	626.	38.	224
367 SWSWSE04T03S RO1W	92852		7.7	23.	68.	2.1	53.	.	158
368 SENWSW07T03S RO1W	82366	103	7.4	.	83.	21.	38.	1.7	161
373 NENWNE11T03S RO1W	12066		7.6	32.	65.	6.3	129.	C.	183
375 NENWNE11T03S RO1W			7.7	30.	.	.	46.	3.2	238
376 SENWNE11T03S RO1W	4 258		7.8	31.	.	17.	87.	3.0	220
	1 766		7.9	30.	144.	17.	69.	3.4	180
	21364		7.2	35.	115.	13.	43.	.	290
377 SENWNE11T03S RO1W			7.6	.	56.	13.	138.	.	258
378			7.5	30.	154.	20.	132.	.	256
381 NWSENE11T03S RO1W	12066		7.5	.	82.	14.	70.	2.9	224
			7.5	29.	123.	.	70.	.	358
382 NWSENE11T03S RO1W			.	26.	89.	12.	309.	5.9	290
383 SESENE11T03S RO1W			7.8	40.	.	.	87.	C.	395
388 NESNNW12T03S RO1W			.	34.	.	.	177.	C.	477
396 NNNWSW12T03S RO1W	30154		.	61.	.	.	386.	9.8	176
399 NNNWSW12T03S RO1W	62759		7.9	32.	.	.	55.	C.	351
400 NNNWSW12T03S RO1W	40358		7.7	30.	.	.	97.	.	361
402 SENESW12T03S RO1W			7.5	.	104.	18.	150.	.	410
408 SENENW13T03S RO1W			7.0	.	96.	19.	152.	C.	339
410 SNNWNE13T03S RO1W			7.2	.	.	.	141.	.	366
	101160		7.5	45.	56.	.	190.	.	547
421 SWSWNE13T03S RO1W	31859		7.5	45.	82.	16.	296.	.	268
426 SWSENE13T03S RO1W			7.5	.	115.	23.	68.	.	186
427 SWSENE13T03S RO1W			6.9	.	37.	12.	52.	3.4	376
429 NNNWSW13T03S RO1W			7.6	.	.	.	153.	.	169
430 NESW13T03S RO1W	20359		7.3	40.	69.	12.	43.	3.1	145
431 NNNWSE13T03S RO1W			7.8	.	.	.	53.	C.	166
436 SESENE14T03S RO1W	40358		7.8	39.	.	.	55.	.	163
442 SWSWNE16T03S RO1W	72456		8.5	26.	18.	5.	56.	3.	206
	122061		8.0	.	20.	4.6	64.	.	162
	41065		7.6	27.	.	.	191.	C.	225
456 SWSWNE25T03S RO1W			7.8	35.	.	.	61.	3.2	278
458 NNNWSW26T03S RO1W			7.6	43.	.	.	40.	C.	205
459 NNSWSW27T03S RO1W	52958		7.9	38.	.	.	34.	C.	180
462 SESESE08T03S RO2W			7.7	.	61.	8.	.	.	
465 SNNENW23T03S RO2W	52		7.7	.	47.	8.	.	.	
	65		7.6	.	50.	7.1	.	.	

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 SWSESE25T03S 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 NWNWNW26T03S R03W	51062	8.5	.	62.	12.	19.	C.	.	229
498 SWNWNW26T03S 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	SNW07T01NR02W	GRAYELIGONRANCH	5200	N	S	15	3963	70	*
2	SFSE07T01NR02W	CARBON SPRING	5720	A	V	1	6962	67	*
3	MENW08T01NR02W	GRAYELIGONRANCH	5200	Q	X	4	3963	61	*
4	SFSE27T01NR03W	GRAY & LIGON	5620	Q	R		3953	43	*
5	MENW11T01SR02W		5920		R			49	*
6	SNW11T01SR02W		5500	T			4963	57	*
7	SNW11T01SR02W		5500	T			4963	61	*
8	SNW11T01SR02W		5500		S		4963		*
9	SNW11T01SR02W		5500				4963		*
10	SNW11T01SR02W		5500		S		4963		*
11	SFNW11T01SR02W	SANLORENZO SPR.	5440	A	K	10	3963		*
12	SFNW12T01SR02W		5280	T		2	3963		*
13	MFSE11T01SR02W		5360	A	R	10	3963	57	*
14	SNW14T02SR01E		4990	A	R	1	3963		*
15	SENW14T02SR01E		5000	A	R	2	3963		*
16	NE14T02SR01E	OJO DE LAPARIDA	5030	A		8	0950		*
17	NE14T02SR01E	OJO DFLAPARIDA	5030	A	R	20	6960		*
18	MFSE22T02SR01E	OJO DEL COYOTE	5010		V		6962		*
19	NW26T02SR01E	CHUPADERO SPR	4910		YV		6960		*
20	MENW26T02SR01E	CHUPADERO	4910		YV	H	6962		*
21	NE27T02SR01E	OJO DE AMADO	4990		R		6960		*
22	SFNE27T02SR01E	OJO DE AMADO	4990		R		6962	64	*
23	SWNE30T02SR02E	OJURANCHO 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	MFNW31T02SR01W	J.B.KELLY	5240	Q	X	2	5962	57	*
28	MENW31T02SR01W	J.B.KELLY	5260	Q	S	2		59	*
29	SENW31T02SR01W	J.B.KELLY	5350	Q	X	1	5962	55	*
30	MNSW31T02SR01W	J.B.KELLY	5440	Q	S	2	5962	61	*
31	MFSW35T02SR02W	PETE STROZZI	5680		S		5962	61	*
32	MFSW35T02SR02W	PETE STROZZI	5680		S		6960		*
33	MFSW35T02SR02W	STORM RANCH	5700		P		6960		*
34	MFSW35T02SR02W	P. STROZZI	5700					61	*
35	MESW35T02SR02W	PETE STROZZI	5680	Q	S	2	5962	61	*
36	SFSW35T02SR02W	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	SNW22T03SR01W	SEDILLA SPRING	5000	T				90	*
42	SFSW07T03SR02W		8080	N	L				*
43	NNSW07T03SR03W	PATTERSONTUNNEL	7825		J	40	7962		*
44	SESW07T03SR03W		8080		L	C	7962		*
45	NWSW10T03SR03W	STROZZI	7080		L	2		63	*
46	SNW19T03SR03W	DAN HUTCHISON	8280	T	J				*
47	NESE20T03SR03W		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 SUCORRO 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	WATERCANN 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	SOUTH CAMP		7335			3	6962		*
56 NWSW12T03SR04W	DON HUTCHISON		7275	T	J		6962		*
57 SFNE24T03SR04W	DON HUTCHISON		8020	Q	K	5	6962		*
58 SWNE26T03SR04W	ROCKSPRING CAN.	S	7600	T			5963		*
59 SFNE36T03SR04W	CIBOLA NAT FOREST		8760	T			5963		*
60 NWNE05T04SR01W	CHUPADFRAS SPRING		5200		U		5962	63	*

//MAIN EXEC FORTRAN

TABLE 4. RECORDS OF CHEMICAL ANALYSES OF SPRINGS 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
1	SNNW07T01NR02W	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	SNNW11T01SR02W	42563	9.0	.	.	0.1	.	139.	C.	244
7	SNNW11T01SR02W	40863	9.3	21.	1.4	0.1	.	133.	C.	222
8	SNNW11T01SR02W	41863	8.4	.	.	38.	10.	45.	.	234
9	SNNW11T01SR02W		8.5	.	.	46.	10.	42.	C.	251
10	SNNW11T01SR02W	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	SNNW14T02SR01E	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		8.2	.	.	.	.	26.	.	237
36	SESW35T02SR02W	51062	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	NNSW07T03SR03W	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	NNSW10T03SR03W	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	NNSW12T03SR04W	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	NHNE05T04SR01W	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 LFVFL	DATE	WATER LFVFL
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 SESESW31T02S 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 MFNESW12T02S R01W	071862	22.81	.	.	.	.	.	.
93 MFNESW12T02S 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 NWSENW36T02S 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 MFNESW36T02S 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 MFNESE19T02S R02W	071862	120.61	.	.	.	.	.	.
195 NWNWSW20T02S R02W	071862	131.36	.	.	.	.	.	.
197 SWSWSW21T02S R02W	071862	154.25	.	.	.	.	.	.
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 SFSES07T02S R03W	072362	203.83		.		.		.
209 SWSWSW11T02S R03W	071862	243.83		.		.		.
211 NWNWNW22T02S R03W	072362	311.56		.		.		.
214 SENESE23T02S R03W	071962	203.37		.		.		.
220 NFSWNE27T02S R03W	072362	348.12		.		.		.
244 SFNWSW04T03S R01E	021662	106.99	070262	105.16	030663	109.80		.
247 MNWNE06T03S R01E	021562	9.26	062762	8.55	022763	9.14	111263	10.58
	031665	8.28	031066	8.34		.		.
257 SFNENW06T03S R01E	031066	11.21		.		.		.
260 SNNWNE06T03S R01E	021562	9.26	062762	8.59	022763	9.88	111263	10.86
	031665	10.22	031066	10.40		.		.
269 SNNWSW07T03S R01E	021362	7.60	062662	7.32	022863	7.76	111263	9.70
	032665	9.78	031466	8.18		.		.
277 SNNWSW17T03S R01E	021562	11.85	062762	11.37	022763	11.65	111263	15.50
	031665	13.96	031066	13.25		.		.
286 SESESW18T03S R01E	062762	6.60		.		.		.
288 MNWNE18T03S R01E	021562	13.45	062762	11.94	022763	13.73	111263	16.04
	031665	15.60	031066	13.56		.		.
290 SWSNWN18T03S R01E	021362	15.53	062562	14.63	022763	15.78	111263	17.42
	031665	17.51	031066	15.40		.		.
296 SESENW19T03S R01E	021562	15.83	062762	15.42	022763	16.08	111263	18.75
	031665	17.86	031066	15.80		.		.
299 SESENW19T03S R01E	021562	15.75	062762	14.76	022763	15.47	111263	18.15
	031665	17.27	031066	15.30		.		.
303 MNWNE20T03S R01E	026162	63.63	070262	61.79	030663	64.30	072065	61.80
	031566	63.78		.		.		.
306 SFNWNW29T03S R01E	021562	8.41	062962	9.70	022763	8.92	031665	10.30
	031066	8.36		.		.		.
314 SENENW31T03S 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
320 SWSWNE31T03S R01E	021562	10.98	062762	9.39	022763	11.17	111263	12.49
	031665	12.25	031066	11.51		.		.
327 SWSWNW01T03S R01W	021562	19.77	062662	20.30	022063	21.03	111263	22.23
	031665	23.13	031466	22.24		.		.
331 NWNWNE01T03S R01W	021562	7.83	062662	7.05	022763	7.90		.
332 SWNWNE01T03S R01W	021562	9.44	062662	8.53	022063	9.65	101563	11.30
	031665	11.79	031466	10.95		.		.
334 NWNENE01T03S R01W	021562	7.95	062662	6.70	022763	8.20	111263	9.69
	031665	10.50		.		.		.
337 NENENE01T03S R01W	021562	8.29	062662	7.25	022763	8.52	111263	10.03
	031665	10.85	031066	10.19		.		.
349 SWNESE01T03S R01W	021362	4.62	062662	3.94	022063	4.83	111263	6.38
	032665	7.00	031466	6.12		.		.
350 SWSESE01T03S R01W	021362	5.74	062662	17.78	070267	5.30	022063	5.93
	101563	7.66	032665	7.88	031466	7.00		.
353 NESWNE02T03S R01W	6	35	.	.		.		.
355 MESENE02T03S R01W	021562	27.39	062962	26.98	022063	27.65	101563	29.48
356 SENWSE02T03S R01W	021562	36.50	062662	36.75		.		.
361 SWNESE02T03S R01W	021562	26.56	062662	26.65	022063	26.83	032665	28.71
362 NWSESE02T03S R01W	92852	.	.	.		.	10	0 31.2
365 SFSESW03T03S R01W	021562	61.77	070262	62.67	031363	62.12	040265	63.94
	032266	63.44		.		.		.
366 SESESW03T03S R01W	021562	69.59	070262	69.45	030163	69.56	040965	69.23
	032266	70.37		.		.		.
369 NENENE09T03S R01W	072666	51.10	072866	43.25	080366	51.63	082266	51.63
	032366	60.84		.		.		.
	061766	53.	070166	53.00	070866	51.43	071566	51.39
	072066	51.40	072666	50.88		.		.
371 SWSENE10T03S R01W	040965	147.70	032266	148.00		.		.
372 NWNWNE11T03S R01W	021562	72.27	062762	73.14	030163	72.51	101763	73.94
	032765	74.34	032266	73.84	081666	74.71		.

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
374 NENWNE11T03S R01W	021562	114.62	070262	115.07	030163	115.33	040965	115.42
	032266	117.51		.		.		.
375 NENWNE11T03S R01W	021562	53.55	062762	54.58	031363	53.83	031666	55.41
378	021962	73.61	030163	74.61	032765	76.38	032966	75.70
379 SENENE11T03S R01W	022553	43.00	031158	42.58	111158	43.11	111258	43.16
380 NWSENE11T03S R01W	101763	66.54		.		.		.
381 NWSENE11T03S R01W	070262	55.85	031363	55.24	101563	56.00	032265	56.91
	031666	54.66		.		.		.
382 NWSENE11T03S R01W	032765	61.24	032866	60.69		.		.
384 NWSW11T03S R01W	101265	185.74	032266	185.37		.		.
386 NFNW12T03S R01W	021562	21.52	062662	21.67	022063	21.82		.
397 NWNWS12T03S R01W	021562	46.55	062562	46.61	021963	46.85	101763	48.15
	033165	48.73	031666	47.78		.		.
400 NWNES12T03S R01W	021562	30.36	062562	30.57	022863	30.75	110563	32.02
402 SFNES12T03S R01W	031666	31.17		.		.		.
403 SESE12T03S R01W	021262	51.01	062662	50.41	062862	51.02	0219 3	.51
	110563	52.54		.		.		.
404 NWSSE12T03S R01W	021362	22.06	062662	22.06	022863	22.37	111263	23.80
	032665	24.20	031466	22.92		.		.
405 SESE12T03S R01W	021362	9.60	062762	9.30	022863	9.05	111263	11.58
	062665	11.55	031466	9.87		.		.
406 SWNWN13T03S R01W	021362	91.01	062562	91.25	030163	91.52	110563	92.60
413 SFENE13T03S R01W	02136	1.90	03016	1.94		.		.
425 NWSENE13T03S R01W	021262	36.53	062562	36.10	022763	36.29	110563	38.19
	040265	38.55	032466	37.17		.		.
426 SWSENE13T03S R01W	021362	35.54	062962	32.35	022763	33.14	110563	34.54
429 NWNWS13T03S R01W	021262	117.57	062562	117.95	021963	118.38	110563	119.09
	033165	119.82	032466	119.12		.		.

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 032466	102.44 103.59	062662	102.86	021963	103.06	110563	104.04
437 MNESW14T03S R01W	021262 033165	193.60 195.70	062562 032466	193.97 195.18	030163	194.03	110563	196.00
438 SENESE14T03S R01W	021262	186.07	062562	186.30	110563	187.95		.
450 NFNWSW24T03S R01W	021362 040265	214.17 215.77	062962 032566	213.86 214.59	022863	214.42	111263	215.24
454 SFSWSE24T03S R01W	021262 032566	184.53 185.01	062562	184.15	022863	184.98	040265	186.30
456 SWSWNE25T03S R01W	021262 022863	185.54 185.86	062562 110563	185.46 185.70	062962	185.89	070262	185.46
457 NWSWNW26T03S R01W	040265	372.38	032466	371.00		.		.
460 SWSNW33T03S R01W	071762	22.60	040466	32.39	072667	24.46		.
461 NFNWNE01T03S R02W	071862	22.12		.		.		.
465 SWNW23T03S 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 NENWNE36T03S R02W	071762	41.15	040466	37.55	07 67	41.00		.
480 NFNWSW03T03S R03W	072362	57.23		.		.		.
487 MNESW13T03S R03W	072362	72.75	041666	74.38		.		.
490 NWNENE23T03S R03W	022362	53.15	041666	46.90		.		.
491 NFESEW23T03S R03W	072762	8.06	041666	4.55		.		.
493 NWNWSE23T03S R03W	072762	13.51	041666	7.99		.		.

/E

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
LATITUDE 34 DEG. 6 MIN. 32 SEC. LONGITUDE 106 DEG. 53 MIN. 36 SEC. 2S.1E.30.132 ALTITUDE 4600 FEET OWNER PAUL EDGINGTON	
3	TOP SOIL
10	FINE RED SAND
20	RED HARD PACKED SAND
35	COARSE SAND AND GRAVEL
40	RED CLAY
80	COARSE SAND GRAVEL
95	HARD PACKED SAND & GRAVEL POSSIBLY CEMENTED
LATITUDE 34 DEG. 5 MIN. 8 SEC. LONGITUDE 106 DEG. 52 MIN. 32 SEC. 2S.1E.31.344 ALTITUDE 4602 FEET OWNER J.T.COOK	
35	SAND AND WATER
41	BLUE SHALE (CLAY)
48	COARSE GRAVEL
63	WHITE COARSE SAND
LATITUDE 34 DEG. 9 MIN. 28 SEC. LONGITUDE 106 DEG. 54 MIN. 17 SEC. 2S.1W.2.444 ALTITUDE 4629 FEET OWNER W. LAWSON	
10	SOIL (WATER CASED OFF)
12	RED CLAY
32	SATURATED SAND
44	RED SHALE
52	SATURATED GRAVEL (WATER)
LATITUDE 34 DEG. 5 MIN. 52 SEC. LONGITUDE 106 DEG. 54 MIN. 58 SEC. 2S.1W.35.221 ALTITUDE 4673 FEET OWNER NEW MEXICO TUBERCULOSIS SANITARIUM #3	
10	SOIL
20	SAND AND GRAVEL

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

DEPTH (FEET)	FORMATION
45	GRAVEL WITH BOULDERS
80	SANDY CLAY WITH SOME GRAVEL
185	WATER SAND AND GRAVEL
200	BROWN SANDY CLAY

LATITUDE 34 DEG. 5 MIN. 48 SEC.
 LONGITUDE 106 DEG. 53 MIN. 10 SEC.
 2S.1W.36.214
 ALTITUDE 4618 FEET
 OWNER V.TORRES

3	ADOBE
13	BLACK CLAY
16	SANDY GRAVEL
28	QUICKSAND (WATER CASED OFF)
42	DRY CLAY
52	FINE DARK SAND (WATER)
62	GRAVEL AND SAND (WATER)

LATITUDE 34 DEG. 5 MIN. 22 SEC.
 LONGITUDE 106 DEG. 54 MIN. 00 SEC.
 2S.1W.36.314A
 ALTITUDE 4620 FEET
 OWNER V.GONZALES

26	FILL
30	GRAVEL (FIRST WATER CASED OFF)
90	CLAY
90	GRAVEL (WATER)

LATITUDE 34 DEG. 6 MIN. 38 SEC.
 LONGITUDE 107 DEG. 8 MIN. 48 SEC.
 2S.3W.27.223
 ALTITUDE 6057 FEET
 OWNER J.COURTNEY

240	BOULDERS
360	COARSE TO MEDIUM SAND
420	FINE SAND

LATITUDE 34 DEG. 6 MIN. 26 SEC.
 LONGITUDE 107 DEG. 14 MIN. 20 SEC.
 2S.4W.27.243
 ALTITUDE 6640 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)

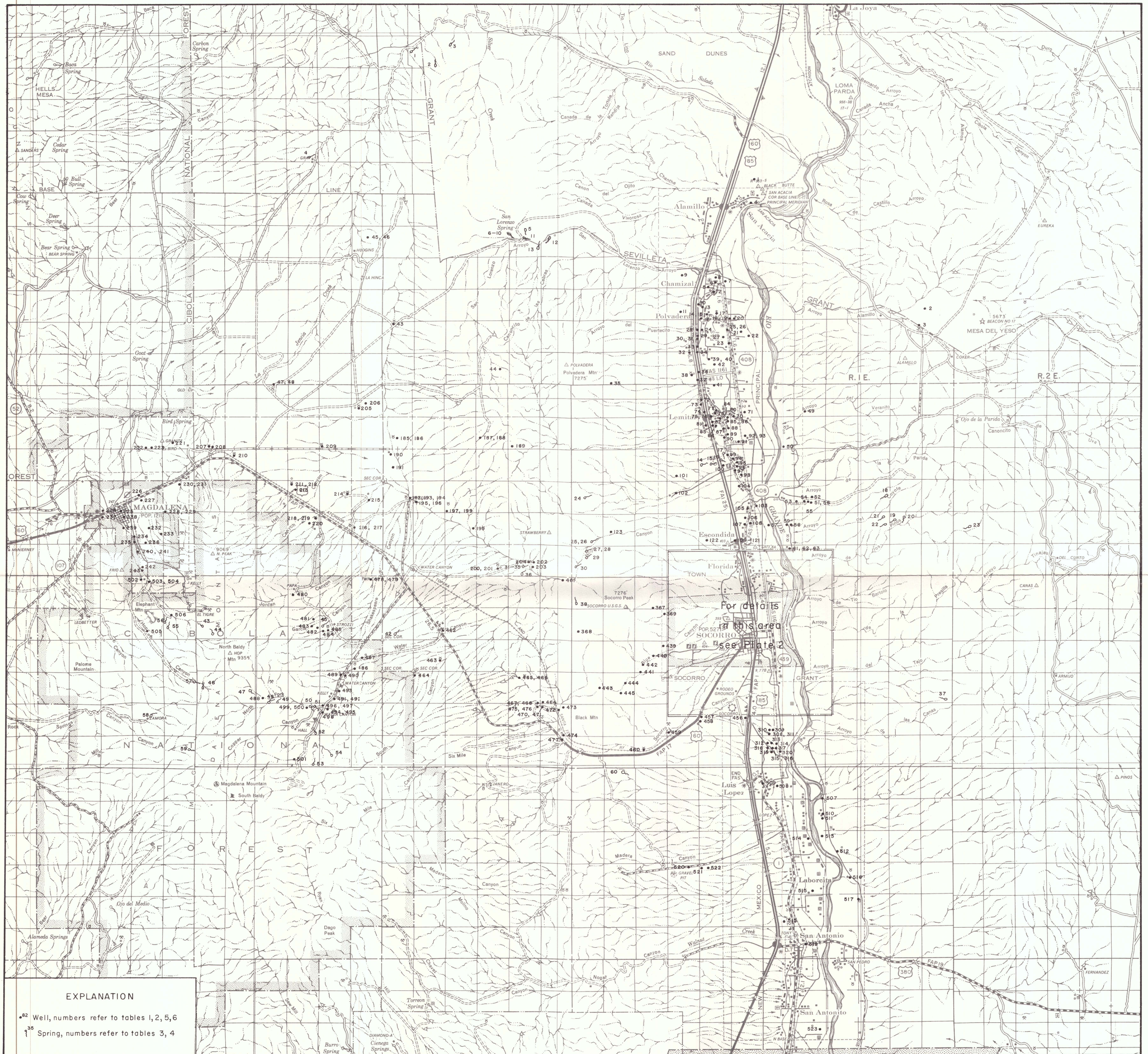
2	SURFACE SAND
8	SAND AND GRAVEL
13	CLAY

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

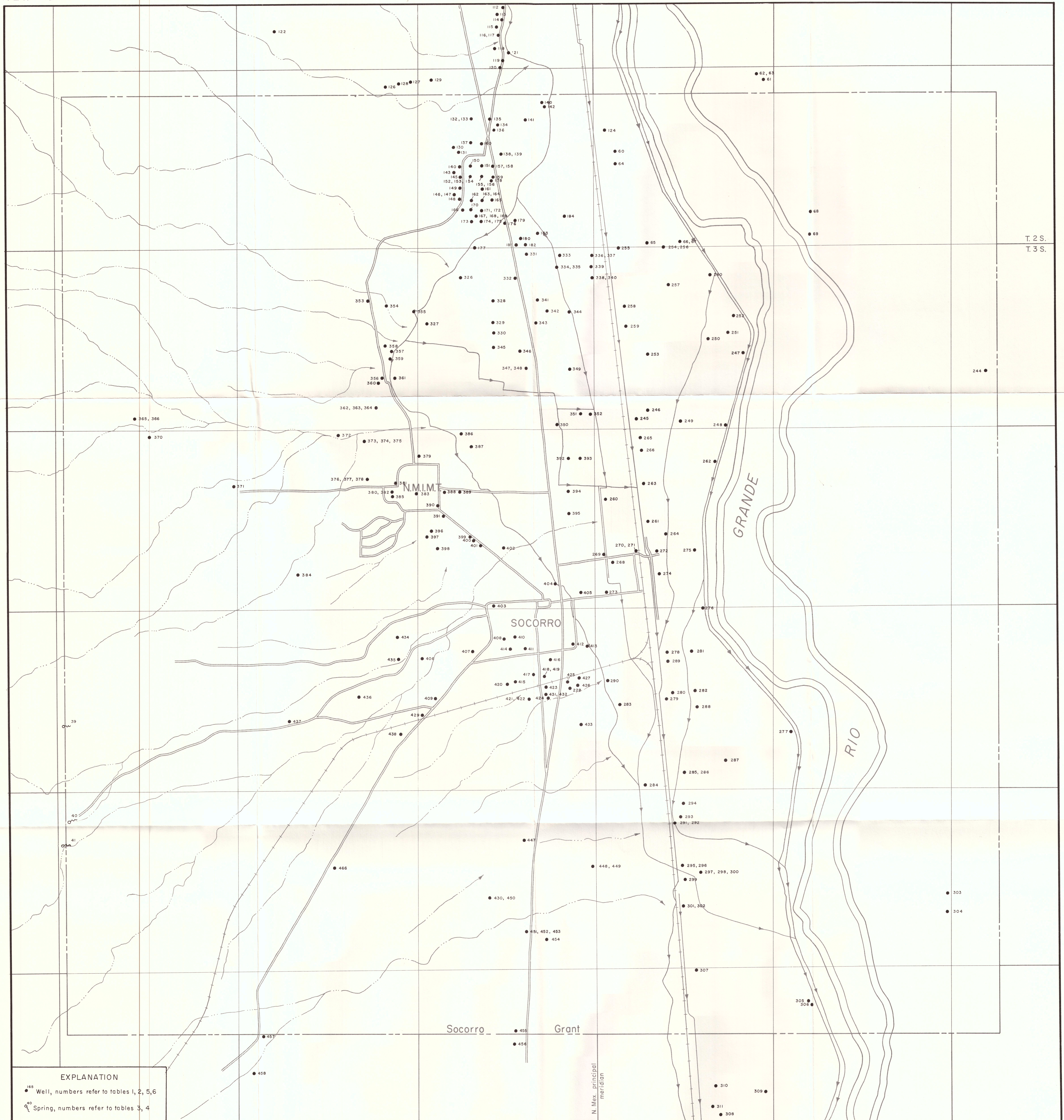
LATITUDE 33 DEG. 52 MIN. 30 SEC.
 LONGITUDE 106 DEG. 51 MIN. 5 SEC.
 5S.1E.17.200
 ALTITUDE 4520 FEET
 OWNER APACHE LAND CO.

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



Base map from New Mexico State Highway Department 1964

LOCATION OF WELLS AND SPRINGS IN THE SOCORRO-MAGDALENA AREA SOCORRO COUNTY, NEW MEXICO



Base map modified from Dennis Williams

LOCATION OF WELLS AND SPRINGS IN SOCORRO GRANT SOCORRO COUNTY, NEW MEXICO

0 1 Mile