

SURVEY NOTES

GEO-49

LINE # 3

+ 8° 55' TO AZIMUTHS

DATE DEC. 18, 1976	INSTRUMENT MAN SHULTZ		ROD MAN		PARTY NUMBER 6841	PAGE 1 of 12
AREA SOCORRO LINE 3	PL. TABLE SHEET NO.	STATE NEW MEX.	COUNTY SOCORRO		TWP	RANGE

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
BM								6014.	EL ^{OR} BM stamped 6014.
B5	1836	299° 44'	TH	+7.6	-9.2	-1.6	6012.4		
1	1760	307° 39'	TH	-12.4	+8.8	-3.8		6008.6	
2	1320	"	TH	1.8		-1.8		6010.6	
3	880	"	TH	-6.8		-6.8		6005.6	
4	440	"	3.9	-3.9		-3.9		6002.5	
5	0	-	5.0	-5.0		-5.0		6007.4	
ADJ INT	310	126° 59'	-	-8.3		-8.3		6004.1	Ad to wind mill
6	440	"	-	9.0		-9.0		6003.4	
7	880	"	-	14.5		-14.5		5997.9	
8	1320	"	BH	12.2	-6.6	-18.8		5993.6	
9	1760	126° 59'	BH	6.7	-8.8	15.5		5996.9	9
B5	2200	304° 22'	TH	+10.4	-11.0	-0.6	5996.3		B5 5996.3
10	1760	"	TH	7.1	+8.8	+1.7		5998.0	
11	1320	"	-	1.9		-1.9		5994.4	
12	880	"	-	4.9		-4.9		5991.4	
13	440	"	-	3.9		-3.9		5992.4	
14	416	"	-	4.0		-4.0		5992.3	
14	0	#	-	5.0		-5.0		5991.3	
	1250	208° 13'	8930'	3.2	+10.9	+7.7		6004.0	Soc Corner

604.4

SURVEY NOTES

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LINE # 3

DATE Dec. 18 1976	INSTRUMENT MAN SHULTZ		ROD MAN		PARTY NUMBER 6841	PAGE 2
AREA Scario	LINE # 3	PL. TABLE SHEET NO.	STATE 71 71	COUNTY Scario	TWP	RANGE

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5996.3		
15	440	125°39'	—	8.9		-8.9		5987.4	
16	880	"	—	12.5		-12.5		5983.8	
17	1320			BH					
17	1320	"	BH	12.1	-6.6	-18.7		5977.6	STA 17 +145 Sec ^{1/2} 1st
18	1760	"	BH	12.1	-8.8	-20.9		5975.4	
① 19	2200	125°39'	BH	11.9	-11.0	-22.9		5973.4	0
15	2640	312°37'	89°24'	+13.4	-27.7	-14.3	5959.1		125
20	2200	"	89°20'	12.1	+25.3	+13.4		5972.5	
21	1760	"	89°20'	10.2	+20.4	+10.2		5969.3	
22	1320	"	89°20'	6.4	+15.3	+8.9		5968.0	
23	880	"	TH	2.4	+4.4	+2.0		5961.1	
24	440	"	—	4.2		-4.2		5954.9	
25	0	—	—	5.0		-5.0		5954.1	
26	440	"	—	5.5		-5.5		5953.6	
27	880	"	—	6.1		-6.1		5953.0	
28	1320	"	—	9.6		-9.6		5949.5	
29	1760	"	—	14.1		-14.1		5945.0	
① 30	2200	133°16'	90°08'	14.5	-5.0	-19.5		5939.6	0
15	2640	313°27'	89°14'	+14.6	-35.4	-20.8	5918.8		125 5918.8
31	2200	"	89°30'	9.1	+25.5	+16.4		5935.2	

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GEO-49

DATE Dec 18 1976	INSTRUMENT MAN Shult	ROD MAN Stoll	PARTY NUMBER 6841	PAGE 3
AREA Socorro	LINE 2	PL. TABLE SHEET NO.	STATE NM	COUNTY Socorro
			TWP	RANGE

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							594.8		
32	1760	313°27'	89°20'	-9.3	+20.4			5939.2	
33	2100	298°15'							
10/11	2100	293°00'	89°00'	13.7	+36.5	+22.8		5941.6	Bring to window??
15/14	1350	313°27'	89°20'	9.7	+15.7	+6.0		5924.8	Look corner - see corner
33	1320	313°27'	89°20'	9.1	+15.3	+6.2		5925.0	Line, cross sec Finch Pt
34	880	"	TH	3.3	+4.4	+1.1		5919.9	El see corner = 5941.
35	440	"	—	1.3		-1.3		5917.5	
36	0	—	—	5.1		-5.1		5913.7	
37	440	132°35'	—	11.3		-11.3		5907.5	
38	880	"	—	11.8		-11.8		5907.0	
39	1320	"	—	14.0		-14.0		5904.8	
40	1760	"	BH	9.3	-8.8	-18.1		5900.7	
41	2200	"	BH	11.7	-11.0	-22.7		5896.1	
42	2640	"	BH	14.1	-13.2	-27.3		5891.5	0
BS	2200	"	89°26'	+13.8	-21.8	-8.0	5883.5		BS 2883.0 ✓
43	1760	"	89°26'	10.2	+17.4	+7.2		5890.7	
44	1320	"	TH	2.2	+6.6	+4.4		5887.9	
45	880	"	TH	2.8	+4.4	+1.6		5885.1	
46	440	"	—	3.0		-3.0		5880.5	
47	0	"	—	5.0		-5.0		5878.5	

SURVEY NOTES

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Line # 3

DATE		INSTRUMENT MAN			ROD MAN		PARTY NUMBER		PAGE		
Feb 18-1976		SUN					6847		4		
AREA		PL. TABLE SHEET NO.		STATE		COUNTY		TWP		RANGE	
Scorro Line 3		71-77		71-77							
STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS		
							5883.5				
48	440	137°30'	-	5.3		-5.3		5878.2			
47	590	138°49'	-	5.0		-5.0		5878.5	1413	by wire group	
49	880	132°35'	-	8.8		-8.8		5874.7	25-24		
50	1320	"	-	13.1		-13.1		5870.4			
51	1760	"	90°01'	15.0	-0.5	-15.5		5868.0			
52	2200	132°35'	90°05'	14.5	-3.3	-17.8		5865.7	0		
BS	1760	312°18'	-	5.0		+5.0	5870.7		BS		
53	1320	"	-	7.9		-7.9		5862.8			
54	880	"	-	7.5		-7.5		5863.2			
55	440	"	-	6.0		-6.0		5864.7			
56	0	-	-	5.1		-5.1		5865.6			
PA	500	89°14'	89°14'	10.2		-10.2		5860.5	WINDMILL AT ALLIE		
Road	43	132°40'	89°14'						RT 20 HOUSE STROZZI HOUSE		
57	440	"	-	6.4		-6.4		5864.3	5878 = 465 to RT-CME. crosses		
58	880	"	-	5.5		-5.5		5865.2			
59	1320	"	-	5.3		-5.3		5865.4			
60	1760	132°40'	-	3.0		-3.0		5867.1	0		
BS	1760	312°17'	-	14.5		+14.5	5882.2		BS	5862.2 ✓	
61	1320	"	-	13.3		-13.3		5868.9			

DATE Dec 19 - 1976	INSTRUMENT MAN Shultz	ROD MAN	PARTY NUMBER 6841	PAGE 5					
AREA Scors Line 3	PL. TABLE SHEET NO.	STATE N.M.	COUNTY Socorro	TWP					
STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5862.2		
62	880	312°17'	-	-11.2		-11.2		5871.0	
63	440	"	-	9.1		-9.1		5873.1	
64	0	-	-	5.0		-5.0		5877.2	
24/19 25/30	850	81°31'	-	-8.8		-8.8		5873.4	on section line fence Section corner - gate at corner
65	440	132°15'	-	2.3		-2.3		5879.9	
66	880	"	TH	3.7	+4.4	+0.7		5882.9	
67	1320	"	TH	3.1	+6.6	+3.5		5885.7	
68	1760	"	89°20'	13.4	+20.4	+7.0		5889.2	⊙
BS	1320	"	BH	+10.0	+6.6	+16.6	5905.8		BS
69	880	"	-	13.9		-13.9		5891.9	
70	440	"	-	9.1		-9.1		5896.7	
71	0	"	-	5.0		-5.0		5900.8	
72	440	"	TH	2.4	+2.2	-0.2		5905.6	
73	880	"	TH	2.1	+4.4	+2.3		5908.1	
74	1320	"	89°30'	5.5	+11.5	+6.0		5911.8	
75	1760	"	89°30'	5.0	+15.3	+10.3		5916.1	⊙
BS	1760	"	98°22'	14.2	+11.3	+25.5	5941.6		BS
76	1320	"	90°22'	11.7	+8.4	-20.1		5921.5	
77	880	"	90°22'	10.4	-5.6	-16.0		5925.6	

FW
XX

on section line fence
Section corner - gate at corner

SURVEY NOTES

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LINF # 3

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DATE Dec 19-1976	INSTRUMENT MAN Shultz	ROD MAN	PARTY NUMBER 6841	PAGE 6
AREA Scorro	PL. TABLE SHEET NO.	STATE Wm	COUNTY Scorro	TWP
				RANGE R-2-W

STATION NO.	DISTANCE	BEARING	Beginn or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5941.6		890.6
78	440	132°15'	-	8.8		-8.8		5932.8	
79	0	"	-	5.0		-5.0		5936.6	
80	440	"							
81	880	"							
30/29	1740	88°10'	-	12.6		+12.6		5929.0	section corner of 5936.1
31/30	221	132°24'	-	4.3		-4.3		5937.3	line crossed
80	440	"	-	3.8		-3.8		5937.8	section line fence. 5937.8 Cattle guard just to East
81	880	"	TH	1.2	+4.4	+2.2		5943.8	Line cross rd @ 180' 1/2
82	1320	"	89°30'	4.8	+11.5	+6.7		5948.3	
83	1760	"	89°30'	5.2	+15.3	+10.1		5951.7	83
85	2200	"	BH	14.2	+11.0	+25.2	5976.9		85
84	1760	"	BH	10.1	-8.8	-18.9		5958.0	
85	1320	"	BH	11.5	-6.6	-18.1		5958.8	
86	880	"	BH	18.1	-4.4	-16.5		5960.4	
87	440	"	-	11.9		-11.9		5965.0	
88	0	"	-	5.0		-5.0		5971.9	
89	440	"	-	3.9		-3.9		5973.0	
90	880	"	-	0.9		-0.9		5976.0	
91	1320	"	TH	6.4	+6.4	+2.2		5979.1	
92	1760	"	TH	7.8	+8.8	+1.0		5977.9	BM RUNTO STA # 92

5979.6
- 1.7 tie = 5979.6

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DATE Dec 19 1976	INSTRUMENT MAN Shull	ROD MAN Stoll	PARTY NUMBER 6841	PAGE 17
AREA Scorro LINE 3	PL. TABLE SHEET NO.	STATE W. M	COUNTY Scorro	TWP
RANGE				

STATION No.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
92								5979.6	Connected from BM
BS	1760	132°24'	-	8.0		+8.0	5989.6		BS
93	1320	"	-	7.1		-7.1			
93	1420	"	-	7.1		-7.1		5980.5	line crosses Rd
93	1320	"	-	6.5		-6.5		5981.1	
94	880	"	-	8.8		-8.8		5978.8	
95	440	"	-	5.2		-5.2		5982.4	
96	0	"	-	5.0		-5.0		5982.6	
97	440	"	-	3.4		-3.4		5984.2	
	770	"							line intersects Telegraph line
98	880	"	-	0.9		-0.9		5986.7	
99	1320	"	TH	10.5	+6.6	-3.9		5983.7	⊙
BS	2200	312°04'	TH	12.1	-11.0	+1.1	5984.8		BS
	2680	"	TH	10.3	+10.4	+0.1		5984.9	Line crosses 2nd Railroad
100	1760	"	TH	9.1	+8.8	-0.3		5984.5	
101	1320	312°04'	TH	6.5	+6.6	-0.1		5984.7	
102	880	"	-	1.7		-1.7		5983.1	
103	440	"	-	2.2		-2.2		5982.6	
104	7	"	-	5.0		-5.0		5979.8	Section line fence
104	0	"	-	5.0		-5.0		5979.8	
105	440	132°12'	-	7.0		-7.0		5977.8	

SURVEY NOTES

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Line # 3

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DATE		INSTRUMENT MAN			ROD MAN		PARTY NUMBER		PAGE	
Dec 20-1976		Stall			Stall		6841		8	
AREA			PL. TABLE SHEET NO.		STATE		COUNTY		RANGE	
Socorro					N. M.		Socorro			
STATION NO.	DISTANCE	BEARING	Begun or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS	
							5984.8			
106	880	132°12'	-	7.6		-7.6		5977.2		
107	1320	"	-	10.8		-10.8		5974.0		
① 108	1760	132°12'	-	15.1		-15.1		5969.7	①	
B.S	2200	"	TH	+8.4	-11.0	-2.6	5967.1		B.S	
109	1760	"	TH	5.3	+8.8	+3.5		5970.6		
110	1320	"	TH	5.7	+6.6	+0.9		5968.0		
111	880	"	-	0.5		-0.5		5968.8		
112	440	"	-	5.8		-5.8		5961.3		
113	0	-	-	5.0		-5.0		5962.1		
114	440	134°13'	-	12.6		-12.6		5954.5		
115	880	"	-	11.1		-11.1		5956.0		
116	1320	"	-	13.9		-13.9		5953.2		
117	1760	"	B.H	9.2	-8.8	18.9		5948.2		
① 118	2200	134°13'	90°20'	13.4	-12.8	-26.2		5940.9	①	
B.S	1760	315°27'	TH	+8.6	-8.8	-0.2	5940.7		B.S	
119	1320	"	-	7.8		-7.8		5932.9		
120	880	"	-	8.8		-8.8		5931.9		
121	440	"	-	6.8		-6.8		5933.9		
122	0	"	-	5.0		-5.0		5935.7		
123	440	135°18'	-	6.3		-6.3		5934.4		

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DATE	INSTRUMENT MAN	ROD MAN	PARTY NUMBER	PAGE
				9
AREA	PL. TABLE SHEET NO.	STATE	COUNTY	TWP
SOCORRO LINE 3				
				RANGE

STATION NO.	DISTANCE	BEARING	Beginn or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5940.7		
124	880	135°18'	-	-11.8		-11.8		5928.9	
① 125	1320	135°18'	BH	-14.8	-6.4	-21.4		5919.3	⊙
BS	1760	315°13'	-	+13.6		+13.6	5932.9		BS
126	1320	"	-	10.2		-10.2		5922.7	
127	880	"	-	7.0		-7.0		5925.9	
128	440	"	-	12.7		-12.7		5920.2	
129	0	"	-	5.0		-5.0		5927.0	
130	440	135°13'	-	8.7		-8.7			
130	440	135°13'	-	8.7		-8.7		5924.2	
131	880	"	-	4.7		-4.7		5928.2	
⊙ 132	1320	135°13'	-	3.4		-3.4		5929.5	⊙ UNDER POWER LINE
BS	1760	315°20'	-	+10.0		+10.0	5939.5		BS
133	1320	"	-	10.3		-10.3		5929.2	
ROAD 955	880	"	-	7.0		-7.0			
134	880	"	-	6.4		-6.4		5933.1	
135	440	"	-	6.5		-6.5		5933.0	
136	0	-	-	5.0		-5.0		5934.5	
137	440	135°13'	-	1.2		-1.2		5938.3	
⊙ 138	880	135°13'	TH	7.8	+4.4	-3.4		5936.1	⊙
BS	880	314°25'	89°00'	+9.3	-15.3	-6.0	5930.1		BS

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Line 3

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DATE <i>Dec 20 - 1976</i>	INSTRUMENT MAN	ROD MAN	PARTY NUMBER <i>6541</i>	PAGE <i>10</i>					
AREA <i>Socorro</i>	PL. TABLE SHEET NO.	STATE <i>N.M.</i>	COUNTY	TWP					
STATION NO.	DISTANCE	BEARING	Begun or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS

STATION NO.	DISTANCE	BEARING	Begun or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							<i>5930.1</i>		
<i>139</i>	<i>440</i>	<i>314°25'</i>	<i>89°00'</i>	<i>-4.3</i>	<i>+7.7</i>	<i>+3.4</i>		<i>5933.5</i>	
<i>140</i>	<i>0</i>			<i>5.0</i>		<i>-5.0</i>		<i>5925.1</i>	
<i>+</i>	<i>935</i>	<i>97°40'</i>	<i>88°00'</i>	<i>2.8</i>	<i>+32.6</i>	<i>+29.8</i>		<i>5959.9</i>	<i>rec. corner</i>
<i>141</i>	<i>320</i>	<i>133°02'</i>	<i>-</i>	<i>9.9</i>		<i>-9.9</i>		<i>5920.2</i>	<i>line crosses</i>
<i>141</i>	<i>440</i>	<i>133°02'</i>	<i>-</i>	<i>13.6</i>		<i>-13.6</i>		<i>5916.5</i>	<i>near gate</i>
									<i>in section 23</i>
									<i>break notes</i>
<i>BM</i>								<i>6004.</i>	<i>50 g R - U.S.G.S BM</i>
<i>BS</i>	<i>0</i>	<i>-</i>	<i>-</i>	<i>+3.6</i>		<i>+3.6</i>	<i>6007.6</i>		
<i>92</i>	<i>1100</i>	<i>50°09'</i>	<i>90°50'</i>	<i>-12.3</i>	<i>-16.0</i>	<i>28.3</i>		<i>5979.6</i>	<i>-28.0 over -</i>
<i>92</i>	<i>1100</i>	<i>269°12'</i>	<i>219°12'</i>	<i>12.3</i>				<i>5977.9</i>	<i>180° out</i>
			<i>= 90°47'</i>					<i>1.7</i>	

SURVEY NOTES

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WINE #3

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DATE DEC. 20, 1976	INSTRUMENT MAN SHULTZ	ROD MAN	PARTY NUMBER 6841	PAGE 11
AREA SOCORRO LINE 3	PL. TABLE SHEET NO.	STATE NEW MEX.	COUNTY SOCORRO	TWP
RANGE				

STATION NO.	DISTANCE	BEARING	Beamman or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
R STA 141								5916.5	
BS	880	312°42'	89°	+9.7	-15.3	-5.6	5910.9		2nd shot 89°30' 1.9
142	440	"	89	5.0		-5.0		5905.9	STA 143
143	0	—	—	5.0		-5.0		5910.9	13' feet to fence
ROAD	66	132°21'	—	6.6		-6.6		5904.3	Over Rd To Hwy
144	440	"	—	13.2		-13.2		5891.1	
① 145	880	"	87°	6.6	+46.0	+39.4		5950.3	① 86°30' - 14.3
BS	440	"	91°00'	+14.2	+7.7	+21.9	5972.2		BS 92° - +6.6
146	0	"	—	-5.0		-5.0		5967.2	E.O.L

Handwritten signature