

SURVEY NOTES

GEO-49

ROAD BEARING 77°41' PAGE 1

DATE DEC 28 1976	INSTRUMENT MAN Shultz	ROD MAN STOLL	PARTY NUMBER 6841	PAGE one of 40
AREA Socorro	PL. TABLE SHEET NO. LINE 1-A	STATE N Mex	COUNTY Socorro	TWP RANGE

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
BS	2150	E	TH	+3.3	-10.8	-7.5	5144.4	5151.9	Hwy 62 E Rd to RANCH HOUSE
1	2200	"	TH	-5.4	+11.0	+5.6		5150.0	
2	1760	E	TH	-4.8	+8.8	+4.0		5148.4	
3	1320	"	TH	4.7	+6.6	+1.9		5146.3	
4	880	"	TH	4.5	+4.4	-0.1		5144.3	
5	440	"	TH	2.9	+2.2	-0.7		5143.7	
6	0	-	-	5.0		-5.0		5139.4	
7	440	W	-	9.7		-9.0		5135.4	
8	880	"	-	12.8		-12.0		5131.6	
9	1320	"	-	14.8		-14.8		5129.6	
10	1760	"	BH	6.5	-8.8	-15.3		5129.1	
11	2200	"	BH	6.4	-11.0	-17.4		5127.0	
BS	2640		-	+3.5		+3.5	5120.5		BS
12	2200		-	6.9		-6.9		5123.6	
13	1760		-	9.2		-9.2		5121.3	
BM	1540		-	8.5		-8.5		5122.0	BM ON BRIDGE EL=5122.
14	1320		-	10.1		-10.1		5120.4	
15	880		-	8.3		-8.3		5122.2	
16	440		-	6.6		-6.6		5123.9	

# SURVEY NOTES

GEO-49

DATE Dec 29 - 1976	INSTRUMENT MAN SHULTZ	ROD MAN Stoll	PARTY NUMBER 6841	PAGE 2
AREA Socorro	PL. TABLE SHEET NO. Lone # one - 7	STATE New Mex	COUNTY Socorro	RANGE

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5130.5		
17	0		-	5.0		-5.0		5125.5	
18	440		-	3.8		-3.8		5126.7	
19	880		-	3.2		-3.2		5127.3	
20	1150		-	3.0		-3.0		5127.0	intersection 60' ROAD
20	1320		-	4.0		-4.0		5126.5	
21	1760		-	7.8		-7.8		5122.7	
BS	1760		89°14'	14.4	-23.6	-9.2	5113.5		BS
22	1320		89°20'	8.2	+15.3	+7.1		5120.6	
23	880		89°20'	2.7	+10.2	+7.3		5135.0	→ 5120.6
24	440		89°20'	2.5	+5.1	+2.6		5116.1	
25	0		-	5.0		-5.0		5108.5	
26	440		-	11.5		-11.5		5102.0	
27	880		DH	12.7	-4.4	-17.1		5096.4	
28	1320		90°30'	13.4	-11.5	-24.9		5088.6	
29	1760		90°35'	13.9	-18.0	-31.7		5081.8	
30	2200		90°40'	12.3	-25.5	-37.8		5075.7	
BS	2200	E	89°30'	16.2	-19.1	-12.9	5062.8		B.S
31	1760		TH	0.5	+8.8	+8.3		5071.1	
32	1320		TH	5.3	+6.6	+1.3		5064.1	
33	880		-	6.8		-6.8		5056.0	

## SURVEY NOTES

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LINE # 1-A

PAGE 3

DATE DEC 29 76.	INSTRUMENT MAN SHUNTZ	ROD MAN Stoll	PARTY NUMBER 6841	PAGE 3
AREA Scorro	LINE # One	STATE New Mex	COUNTY Scorro	RANGE
	TABLE SET NO.		TWP	

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5062.8		
34	440		-	13.4		-13.4		5049.4	WEST OF LOW
35	0		-	5.0		-5.0		5057.8	
36	440		89°	3.8	+7.7	+3.9		5066.7	
37	880		89°	2.8	+15.3	+12.5		5075.3	
38	1320		89°	4.4	+23.0	+18.6		5081.4	
① 39	1760		w 89°	10.7	+30.6	+19.9		5083.7	①
BS	1760	E	88°42'	14.7	-40.0	-25.3	5057.4		BS
40	1320		88°40'	9.6	+30.8	+21.2		5078.6	
41	880		88°40'	4.0	+20.5	+16.5		5073.9	
42	440	E	88°40'	4.2	+10.3	+6.1		5063.5	
43	0		-	5.0		-5.0		5058.4	
44	440	W	-	12.1		-12.1		5045.3	
45	880	"	BH	13.7	-4.4	-18.1		5039.3	
46	1320		90°30'	12.2	-11.5	-23.7		5033.7	
47	1760		90°30'	14.0	-15.3	-29.3		5028.1	<del>BS</del>
<del>BS</del>									<del>BS</del>
① 48	2200	W	90°32'	14.9	-20.5	-35.4		5022.0	①
BS	1760	E	88°40'	9.0	-41.0	-32.0	4990.0		BS
49	1320		88°40'	10.1	+30.8	+20.7		5010.7	
50	880		89°00'	4.0	+15.3	+11.3		5001.3	

**SURVEY NOTES**

GEO-49

DATE DEC 29 1976	INSTRUMENT MAN SHULTZ	ROD MAN Stoll	PARTY NUMBER 6841	PAGE 4
AREA Socorro	LINE ONE	PL. TABLE SHEET NO. 7	STATE N.M.	COUNTY Socorro
			TWP	RANGE

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							4990.0		
51	440		89-	4.1	+7.7	+3.6		4993.6	
52	0	-	-	5.1		-5.1		4988.5	
53	440	W	-	12.4		-12.4		4976.1	
54	880	"	-	13.7		-13.7		4962.4	
ROAD	850		-	13.2		-13.2		4949.2	Pipe line 20' before Rd PIPE LINE CROSSES Hwy
55	1320		BH	9.1	-6.6	-15.7		4933.5	
56	1760	W	BH	10.0	-8.8	-18.8		4914.7	①
BS	1760	S	-	+8.1		+8.1	4916.8		BS
Brigg	1380		-	8.2		-8.2		4908.6	
57	1320		-	8.4		-8.4		4900.2	
58	880		-	7.2		-7.2		4893.0	
59	440	E	-	6.1		-6.1		4886.9	
60	0	-	-	5.1		-5.1		4881.8	
61	440	W	TH	1.1	+2.2	+1.1		4880.7	
62	880	"	89-	11.1	+15.3	+4.2		4876.5	
63	1320	W	89 <sup>24'</sup>	14.4	+13.9	-0.5		4876.0	①
BS	2200	S	90 <sup>04'</sup>	+14.8	+2.6	+17.4	4858.6		BS
64	1760		90 <sup>04'</sup>	13.6	-2.1	-15.7		4842.9	
65	1320		-	11.1		-11.1		4831.8	
66	880		-	7.2		-7.2		4824.6	

# SURVEY NOTES

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DATE Dec 29 - 1976	INSTRUMENT MAN Shultz SANDO	ROD MAN STOLL	PARTY NUMBER 6847	PAGE 5
AREA Socorro	LINE ONE - 17	STATE New Mexico	COUNTY SOCORRO	RANGE
TABLE SHEET NO.			TWP	

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							4996.2		
67	440	E	-	-4.4	<del>-4.4</del>	-4.4		4991.8	
ROAD	130	E	-	3.7		-3.7		4992.5	1/2 4993.5
68	0	-	-	5.1		-5.1		4991.1	
69	440	W	-	14.0		+14.0		4982.2	
70	880	"	91-	9.4	-75.3	-24.7		4971.5	
71	1320	"	91-	12.5	-23.0	-35.5		4960.7	
72	1760	"	91-	14.0	-30.6	-44.6		4951.6	
① 73	2200	W	91-	14.4	-38.3	-52.7		4943.5	①
BS	1760	E	89-	8.2	-30.6	-22.4	4921.1		BS
74	1320	"	89-	9.8	+23.0	+13.2		4934.3	
75	880	"	TH	0.4	+4.4	+4.0		4925.1	
76	440	"	TH	2.2	+2.2	0.0		4921.1	
77	0	-	-	5.0		-5.0		4916.1	
78	440	W	91-	9.7	-7.7	-17.4		4903.7	
79	880	"	91-	13.0	-15.3	-28.3		4892.8	
80	1320	"	9130	10.5	-34.6	-45.1		4876.0	
① 81	1760	W	9130	12.0	-46.1	-61.1		4860.0	①
BS	1760	E	8900	2.2	-30.6	-28.4	4831.6		BS
82	1320	"	8900	6.4	-23.0	-29.4		4802.2	
83	880	"	89-	10.0	-15.3	-25.3		4806.3	

# SURVEY NOTES

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DATE <i>Dec 29 1976</i>	INSTRUMENT MAN <i>SHULTZ EC-SANDO</i>	ROD MAN <i>STOLK</i>	PARTY NUMBER <i>6841</i>
AREA <i>Socorro</i>	LINE ONE-A	STATE <i>N.M.</i>	COUNTY <i>Socorro</i>
	PL. TABLE SHEET NO.	TWP	RANGE

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							4831.6		
84	440	E	-	2.2	-2.2			4829.4	
85	0	-	-	5.1	-5.1			4826.5	5' 10" along Hwy 60
86	440	W	-	5.5	-5.5			4826.1	
87	880		-	6.0	-6.0			4825.6	
88	1320		-	6.2	-6.2			4825.4	
89	1760	W	-	7.0	-7.0			4824.6	
BS	1320	E	89°00'	+14.9	23.0	-8.1	4816.5		BS
IF	1075		89°00'	-11.7	20.4	+8.7		4825.2	Hwy 60 & Hwy 47
90	880		89°00'	7.5	+15.3	+7.8		4824.3	
91	440		89°00'	4.2	+7.7	+3.5		4820.0	
92	0	-	-	5.2		-5.2		4811.3	
93	440	W	-	11.2		-11.2		4805.3	
94	880	"	BH	14.1	-4.4	-18.5		4798.0	
95	1320	W	91°06'	13.7	25.3	39.0		4777.5	95
BS	1760	E	88°30'	+11.4	40.1	+34.7	4742.8		BS
96	1320	"	89°-	14.5	+23.0	+8.5		4751.3	
97	880	"	-	4.9		-4.9		4737.9	
98	440	"	-	5.9		-5.9		4736.9	
BR-CANAL	220		-	5.2		-5.2		4737.6	BR-CANAL
BL	130		-	5.1		-5.1		4737.7	BL

# SURVEY NOTES

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DATE		INSTRUMENT MAN			ROD MAN		PARTY NUMBER		PAGE		
DEC 30 1976		C - SANDO -			STOLL		6841		7		
AREA		LINE #		PL. TABLE SHEET NO.		STATE		COUNTY		TWP RANGE	
SARNO		ONE - A				N Mex		SARRO			
STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS		
99	0	-	-	5.1		-5.1	4742.8	4737.7	LINE ANG 257°38'		
<del>100</del>	440	w 77°	-	4.3		-4.3		4738.5	↓		
<del>101</del>	880	w 257°38'	-	3.2		-3.2		4739.6			
<del>102</del>	1320	w	-	3.4		-3.4		4739.4	↓		
103	1760	w	TH	13.7	8.9	-4.9		4737.9			
BS	1760	E	-	2.4		+2.4	4740.3		BS	↓	
104	1320	"	-	2.8		-2.8		4737.5	↓		
105	880	"	-	3.4		-3.4		4736.9			
106	440	"	-	4.6		-4.6		4735.7	↓		
107	0	-	-	5.0		-5.0		4735.3			
108	440	w	-	5.1		-5.1		4735.2	↓		
109	880	"	-	5.1		-5.1		4735.2			
110	1320	"	-	5.2		-5.2		4735.1	↓		
111	1760	w 257°38'	-	5.2		-5.2		4735.1			
BS	2200	77°38'	-	6.6		+6.6	4741.7		BS	↓	
112	1760	"	-	6.4		-6.4		4735.3	↓		
113	1320	"	-	6.0		-6.0		4735.7			
114	880	"	-	5.6		-5.6		4736.1	↓		
115	440	"	-	5.4		-5.4		4736.3			
116	0	-	-	5.1		-5.1		4736.6	↓		
117	440	260°36'	-	3.5		-3.5		4736.2			

116 is 274' East of Rd INT To South

STA 117 is 35' East of CANAL

SURVEY NOTES  
GEO-49

LINE # ONE - A

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DATE DEC 30 - 1976	INSTRUMENT MAN SHULTZ SAIDO	ROD MAN STOLL	PARTY NUMBER 6841	PAGE 8							
AREA Socorro	LINE ONE - A	PL. TABLE SHEET NO.	STATE NM	COUNTY Socorro							
STATION NO.	DISTANCE	BEARING	Bearman or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	TWP	RANGE	REMARKS

STATION NO.	DISTANCE	BEARING	Bearman or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	TWP	RANGE	REMARKS
							4741.7				
118	880	260°36'	-	5.7		-5.7		4736.0			Starting of curve in Hwy 9
① 119	1320	262°11'	-	6.5		-6.5		4735.2			
BS	880	92°41'	TH	+2.9	4.4	-1.5	4733.7				BS
120	440	"	89°-	7.6	+7.7	-0.1		4733.6			
121	0	-	-	4.8		-4.8		4728.9			
122	440	278°50'	-	2.1		-2.1		4731.6			
① 123	880	278°50'	-	2.5		-2.5		4731.2			
BS	880	103°42'	-	+12.5		+12.5	4740.4 4743.7				BS
124	520	113°37'	-	9.5		-9.5		4730.9			H.I. corrected From BM Rd int Jan Rd
124	440	108°42'	/	11.0		-11.0		4729.4			
125	0	-	-	5.0		-5.0		4735.4			
RAIL RD	280	284°12'	-	2.2		-2.2		4738.2			(LINE *CROSSES RAIL RD @ THIS POINT LINE IS 98 feet N.E. of Hwy 60 E.L. = 4738.
BM on Culvert											
BM 121	310'	293°53'	89°-	7.8	+5.4	-2.4		4738.0			
126	440	284°12'	TH	2.0	+2.2	+0.2		4740.6			
① 127	880	284°12'	-	3.8		-3.8		4736.6			
BS	880	103°43'	91°00'	+14.7	+15.3	+30.0	4766.6				BS
128	440	"	92°10'	14.7	-16.6	-31.3		4735.3			@ Rd int Hwy 25 EXIT IN Benavente
129	0	-	-	5.0		-5.0		4761.6			129 on top of shoulder of Hwy 9

# SURVEY NOTES

GEO-49

LIVNE # 1-A

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DATE JAN 4 <sup>th</sup> 1977	INSTRUMENT MAN SHULTZ & SANDO	ROD MAN R. Stoll	PARTY NUMBER 6841	PAGE 9					
AREA Sacorro 6-1-A	PL. TABLE SHEET NO.	STATE New Mex	COUNTY Sacorro	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
							4766.6		
0 130	440	281°38'	TH	8.0	+2.2	-5.8		4760.8	in field
B.S	2640	105°09'	89°34'	+14.8	20.1	-5.3	4755.5		BS
131	2200	"	TH	7.2	+11.0	+3.8		4759.3	
132	1760	"	TH	8.6	+8.8	+0.2		4755.7	
on ROAD	1560	"	-	2.8		-2.8		4752.7	
133	1320	"	-	4.1		-4.1		4751.4	
134	880	"	-	4.6		-4.6		4750.9	
135	440	"	-	4.4		-4.4		4751.1	
136	0	-	-	5.0		-5.0		4750.5	
137	440	282°12'	-	4.4		-4.4		4751.1	
138	880	"	-	3.5		-3.5		4752.0	
139	1320	"	-	2.9		-2.9		4752.6	
140	1760	"	TH	11.0	+8.8	-2.2		4753.3	
0 141	2200	"	TH	11.0	+11.0	0.0		4755.5	0
B.S	2200	"	-	+6.8		+6.8	4762.3		BS
142	1760	"	-	6.0		-6.0		4756.3	
143	1320	"	-	5.5		-5.5		4756.8	
144	880	"	-	5.2		-5.2		4757.1	
145	440	"	-	4.8		-4.8		4757.5	
146	0	"	-	5.0		-5.0		4757.3	

DATE		INSTRUMENT MAN			ROD MAN		PARTY NUMBER		PAGE		
JAN 4 <sup>th</sup> 1976		SHULTZ					6841		10		
AREA		PL. TABLE SHEET NO.		STATE		COUNTY		TWP		RANGE	
Scorro L. 1A				New Mexico		Scorro					
STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS		
							4762.3				
147	440	282°12'	BH	-13.0	2.2	-15.2		4747.1			
① 148	870	"	90°12'	-14.9	3.0	-17.9		4744.4	①	in brush	
BS	167	"	-	-5.5		+5.5	4749.9		BS	Road -4.0 for -9.00 (road)	
7				-2.0		-5.0	47	4744.9	148 + 167 in brush		
<del>①</del>	<del>148</del>	<del>"</del>	<del>85°00'</del>	<del>-9.0</del>	<del>+12.8</del>	<del>+3.8</del>		<del>4753.7</del>	<del>①</del>	<del>Power line crosses catch of tree -9.2 to ground</del>	
OR-①	148	"	85°00'	-9.0	+12.8	+3.8		4753.7	①		
BS	620	"	TH	+12.0	3.1	+8.9	4762.6		BS		
149	440	"	BH	13.3	-2.2	-16.5		4746.1			
<del>149</del>	0	"	-	-5.0		-5.0		4757.6	<div style="border: 1px solid black; padding: 5px; border-radius: 10px;">                     long sta between                      149 &amp; 150                      Tumpers used                      Power line crosses                      Road                 </div>		
150	220	"	-	-5.0		-5.0		4757.6			
Road	540	"	-	-6.9		-6.9		4755.7			
151	660	"	-	-5.8		-5.8		4756.8			
152	1100	"	-	-3.5		-3.5		4759.1			
153	1540	"	TH	9.1	+7.7	-1.4		4761.2			
① 154	1980	"	TH	-9.8	+9.90	+0.1		4762.7	①		
BS	2200	"	BH	+9.6	+11.0	+20.6	4783.3		BS	4788.3	
155	1760	"	BH	8.7	-8.8	-17.5		4765.8			
156	1320	"	-	14.7		-14.7		4768.6			
157	880	"	-	11.5		-11.5		4771.8			

SURVEY NOTES

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Line one - A

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DATE Jan 4 <sup>th</sup> 1978	INSTRUMENT MAN Shultz		ROD MAN		PARTY NUMBER 6841	PAGE 11
AREA Socorro	PL. TABLE SHEET NO. L-1A		STATE New Mex	COUNTY Socorro	TWP	RANGE

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							483.3		
158	440	282°12'	-	9.5		-9.5		4773.8	
159	0	"	-	5.2		-5.2		4778.1	
160	440	"	-	2.5		-2.5		4780.8	
161	880	"	TH	4.1	+4.4	+0.3		4783.6	
162	1320	"	89°30'	6.8	+11.3	+4.5		4787.8	
163	1760	"	89°30'	7.0	+15.3	+8.3		4791.6	
① 164	2200	"	89°30'	3.7	+19.1	+15.4		4798.7	①
+BS	2640	"	90°30'	12.2	+23.0	+35.2	4833.9		BS
165	2200	"	90°30'	9.5	-19.1	-28.6		4805.3	
166	1760	"	BH	14.5	-8.8	-23.3		4810.6	
167	1320	"	BH	12.4	-6.6	-19.0		4814.9	
LEVEE	1230	"							
ROAD	970	"	-	15.1		-15.1		4818.8	ROAD
168	880	"	-	13.7		-13.7		4820.2	
169	440	"	-	8.3		-8.3		4825.6	
170	0	"	-	5.2		-5.2		4828.7	
171	440	"	89°00'	7.0	+7.7	+0.7		4834.6	
172	880	"	89°00'	5.5	+15.3	+9.8		4843.7	① fence to be offset 1/165
173	1320	"	89°00'	2.0	+23.0	+21.0		4854.9	"
① 174	1760	"	89°00'	6.8	+30.6	+23.8		4857.7	①

# SURVEY NOTES

GEO-49

12

DATE	INSTRUMENT MAN		ROD MAN		PARTY NUMBER	PAGE			
Jan 4 - 1977	Shultz		Stall		6841	12			
AREA	LINE	TABLE SHEET NO.	STATE	COUNTY	TWP	RANGE			
Socorro	ONE		New Mexico	Socorro					
STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
BS	1320	282°2'	91°42'	14.6	+39.2	+53.8	4911.5		BS
175	880	"	92°00'	14.2	-30.7	-44.9		4866.6	To be offset for Vibe
176	440	"	91-	12.3	-7.7	-20.0		4891.5	" " "
177	0	"	-	5.0		-5.0		4906.5	Sta 177
VP 177	55	Rte L	-	4.1		-4.1		4907.4	VP 177 Rte L SW on Rd *
<del>35736</del>	380	312°33'	-	0.6		-0.6		4910.9	<del>1/4 corner</del>
@ 178	440	283°41'	89-	4.4	+7.7	+3.3		4914.8	On Road
<del>BS</del>									
Break Notes									
176								4891.5	VP - offsets ↓
BS	0	-	-	+5.0		+5.0	4896.5		
VP 176	167	Rte L	89-	2.1	+2.9	+0.8		4897.3	VP 176 offset on Rd SW
@ 175								4866.6	
BS	0	-	-	+5.0		+5.0	4871.6		
VP 175	260	Rte L	85°00'	-6.0	+23.0	+17.0		4888.6	VP 175 " " " "
@ 174	0	-	-	+5.0		+5.0	4862.7	4857.7	
VP 174	210	Rte L	83-	6.8	+25.0	+18.2		4880.9	VP 174 " " " "

\* VP offset

SURVEY NOTES

GEO-49

LINE # 1 - A

13

DATE	INSTRUMENT MAN	ROD MAN	PARTY NUMBER	PAGE					
Jan 24 1977	Stull	Stoll	6841	13					
AREA	TABLE SHEET NO.	STATE	COUNTY	TWP	RANGE				
Socorro	ONE	New Mexico	Socorro						
STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
178					Corrected Hi	→	4954.8	4914.8	⊙
BS	2195	96°03'	9°30'	9.7	+31.8	+44.5	4956.3	4914.8	BS
179	1760	"	9°30'	14.4	-20.4	34.4		4920.4	
BM	1460	98°12'	9°31'	14.7	-13.1	27.8		4928.5	BM 4927.
ROAD	1460	95°45'	9°40'	12.6	-16.9	29.5		4905.3	IT? not out
<del>180</del>	1320	98°12'	9°46'	11.6	-15.3	26.9		4927.9	
181	880	"	9°40'	12.4	-10.2	22.6		4932.2	
182	440	"	-	11.6		-11.6		4943.2	
183	0	-	-	5.2		-5.2		4949.7	
184	440	273°11'	TH	0.6	+2.3	+1.6		4956.4	
185	880	-	89°	8.6	+5.3	+6.7	4956.9	4961.5	
<del>186</del>	1240	273°31'	89°	11.1	+2.6	+0.5		4965.3	
⊙ 186	1320	273°11'	89°	12.2	+23.0	+10.8		4965.6	⊙
BS	2200	85°35'	9°31'	14.2	+23.1	+37.3	5002.9	4966.6	BS
187	1760	"	9°31'	14.2	-15.3	29.5	4971.6	4973.4	
188	1320	"	9°30'	12.1	+11.5	23.6		4979.5	
189	880	"	BH	11.8	-4.4	-16.2		4986.7	
<del>190</del>	440	"				+5.0		4991.7	
190	780	⊙	BH	11.7	+3.9	15.6		4987.3	Road - Power line
190	440	"	-	12.2		-12.2		4990.7	
191	0	-	-	2.1		-3.1		4997.8	

~~190~~

# SURVEY NOTES

GEO-49

14

DATE JAN 7-1977	INSTRUMENT MAN Shultz	ROD MAN Stoll	PARTY NUMBER 6841	PAGE 14
AREA SOCORRO	LINE # 1-A		STATE New Mexico	COUNTY SOCORRO
	TABLE SHEET NO.	TWP	RANGE	

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5002.9		
192	400	268°10'	89°	4.7	+7.7	+3.0		5005.9	
193	880	218°10'	89°	4.9	+15.3	+10.4		5013.3	along road last on Road
<del>BS 194</del>	1320	163°00'	84	7.4	+6.6	+18.0	5031.3		BS
194	880	"	90°40'	13.4	+4.9	-14.9		5016.4	in field
195	400	"	—	8.6	—	-8.6		5022.7	
196	0	—	—	5.0	—	-5.0		5026.3	
197	400	280°40'	91°30'	14.0	-7.7	-21.7		5009.6	in woods
198	880	"	91°05'	8.4	-15.3	-23.7		5007.6	
199	1320	"	91°00'	10.8	-23.0	-33.8		4997.5	
200	1760	"	73H	11.9	-8.8	-20.7		5010.6	
201	2190	280°40'	90°06'	14.6	-3.7	-18.3		5013.0	⊙
BS	440	"	71°20'	+14.6	+10.3	+24.9	5037.9		BS
202	0	"	—	5.2	—	-5.2		5032.7	
203	440	"	89°00'	5.8	+23.0	+7.2		5055.1	⊙ 5055.1

**SURVEY NOTES**

GEO-49

LINE #1 - A

15

DATE		INSTRUMENT MAN			ROD MAN		PARTY NUMBER		PAGE				
Jan 6 1974		Shultz			Stoll		6841		15				
AREA		PL. TABLE SHEET NO.		STATE		COUNTY		TWP		RANGE			
Scorro L. 1-A				Iowa		Scorro							
STATION NO.	DISTANCE	BEARING	Beg. or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS				
203			90°0'					5055.1	7600 road 3055.1				
BS	2200	106°15'	90°0'	+8.1	+38.3	+46.4	5001.5						
204	1760	"	80°50'	12.4	-25.5	-37.9		5063.6	Rise line 30° E on 204				
205	1320	"	90°50'	12.8	-19.1	-31.9		5069.6	204 on rd				
206	880	"	90°40'	13.2	-10.2	-23.4		5078.1	↓				
207	440	"	BH	13.3	-2.2	-15.5		5086.0					
208	0	-	-	-5.0		-5.0		5096.5					
209	440	289°31'	-	2.7		-2.7		5098.8					
C. Gate	450	"	-	2.7		-2.7		5098.8	fence line				
210	880	"	TH	3.8	+4.4	+0.6		5102.1	along road				
211	1320	"	89°-	12.4	+23.0	+10.6		5112.1					
212	1750	"	89°-	14.1	+30.4	+16.3		5117.8					
0 213	2190	289°31'	89°-	13.2	+38.1	+24.9		5126.4				0	
BS	1760	110°32'	90°40'	+0.8	+20.4	+31.2	5157.6					BS	
214	1320	"	90°30'	11.8	-11.5	-23.3		5134.3					
215	880	"	BH	13.0	-4.4	-17.4		5140.2					
<del>216</del>	<del>440</del>	<del>"</del>	<del>-</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>					
RL 15	650	"	-	14.3		-14.3		5143.3				Rd to SW	
216	440	"	-	11.0		-11.0		5146.6					
217	0	-	-	5.0		-5.0		5152.6					
218	440	"	TH	1.8	+2.2	+0.4		5158.0					

SURVEY NOTES

GEO-49

V-P-OFFSETS W/NE#1-A

16

DATE	INSTRUMENT MAN			ROD MAN		PARTY NUMBER		PAGE	
Jan 1977	Shultz			Stoll		6841		14-A	
AREA	LINE	TABLE SHEET NO.	STATE	COUNTY		TWP	RANGE		
Socorro	LINE		NM	Socorro					
STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
0									
@196	0			+5.0		+5.0	5031.3	5026.3	
VP196	560	190°40'	TH	-1.2	+2.8	+1.6		5032.9	VP 196 offset (Vic) SW
@195	0		-	+5.0		+5.0	5027.7	5022.7	
VP-195	450	L Rte	-	-2.0		-2.0		5025.7	VP 195 " " SW
@194	0		-	+7.0		+7.0	5023.4	5016.4	
VP194	250	Rte L	87°	4.6	+13.1	+8.5		5031.9	VP 194 " " SW
@197	0		-	+7.0		+7.0	5016.6	5009.6	
VP197	700'	Rte angle	86°50'	13.8	+38.6	+24.8		5041.4	VP-197 offset on Road-SW
K A8								5007.6	
B5	120	Rte L	96°	+14.1	+8.4	+22.5	5030.1		
0	0	Rte L							
VP-198	660	Rte L	88°	-14.4	+23.0	+8.6		5038.7	VP 198 th " " "

SURVEY NOTES

GEO-49

Line on = A

17

DATE Jan 6 <sup>th</sup> 1976	INSTRUMENT MAN SHULTZ	ROD MAN	PARTY NUMBER 6841	PAGE 16
AREA SOCORRO	LINE one - A	PL. TABLE SHEET NO. A	STATE New Mexico	COUNTY SOCORRO
			TWP 3-N	RANGE 1-W

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5157.6		
219	880	293°14'	TH	6.4	+4.4	-2.0		5155.6	
220	1320	293°14'	TH	13.4	+6.6	-6.8		5150.8	
Rd	1085	297°53'	TH	13.2	+5.4	-7.8		5149.8	0-1/2 to SW
<del>221</del>	1600	293°14'	TH	6.4	+8.0	+1.6		5159.2	1 Cattle Guard
221	1760	293°14'	8930	10.2	+15.3	+5.1		5162.7	
BS	880	108°31'	91°00'	13.5	+15.3	+28.8	5191.5	<del>5189.9</del>	corrected to 5191.4
222	440	"	-	14.5		-14.5		5175.4	
223	0	-	-	5.0		-5.0		5184.9	
224	440	292°04'	-	2.0		-2.0		5187.9	
225	880	"	TH	2.6	+4.4	+1.8		5191.7	
BM	1068	292°00'	TH	0.2	+5.3	+5.1		5196.5	USGS BM 5195.5
226	1320	292°04'	89°00'	13.4	+23.0	+9.6		5195.0	
227	1760	292°04'	89°00'	11.7	+30.6	+18.9		5208.8	
BS	1320	112°15'	BH	10.2	+6.6	+16.8	5225.6		BS
228	880	"	-	10.8		-10.8		5214.8	
229	440	"	-	6.1		-6.1		5219.5	last sta on road
230	0	-	-	5.0		-5.0		5220.6	1st sta in field
231	515	13°47'	-	10.6		-10.6		5215.0	Sec CORNER
231	440	309°21'	TH	4.7	+2.2	-2.5		5223.1	line to 70' station
232	880	"	TH	5.8	+4.4	-1.4		5221.2	

SURVEY NOTES

GEO-49

VP. OFFSETS WINE # 2-A

18

DATE Jan 1977	INSTRUMENT MAN	ROD MAN	PARTY NUMBER 6841	PAGE 14-A					
AREA Socorro	LINE ONE	STATE N Mex	COUNTY Socorro	TWP					
STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS

@199								4997.5	
B5	300	Rto L	95°	+13.3	+26.0	+39.3	5036.8		
VP-199	450	Rto L <sup>sw</sup>	88°	-9.6	+15.7	+6.1		5042.9	VP 199 offset on Rd SW

@200	0	-	-	+5.0		+5.0	5015.6	5010.6	
VP-200	380	Rto L <sup>sw</sup>	87°	-9.2	+19.9	+10.7		5026.3	VP 200 " " "

@201	0	-	-	+5.0		+5.0	5018.0	5013.0	
VP-201	600	Rto L	-	-4.8		-4.8		5013.2	

@202	0	-	-	+5.0		+5.0	5037.7	5032.7	
VP-202	280	Rto L <sup>sw</sup>	-	-3.4		-3.4		5034.3	

**SURVEY NOTES**

GEO-49

Line # 1-A

19

DATE Mar 6 <sup>th</sup> 1976	INSTRUMENT MAN Shultz	ROD MAN CHRIS	PARTY NUMBER 6841	PAGE 17
AREA Socorro	WINE ON I =	STATE New Mex	COUNTY Socorro	TWP
	TABLE SHEET NO.			RANGE

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5225.6		
233	1320	309°21'	TH	3.2	+6.6	+3.4		5229.0	
① 234	1760	309°21'	89°30'	5.2	+15.3	+10.1		5235.7	⊙
B.S	1760	"	-	11.0		+11.0	5246.7		B.S
235	1320	"	-	14.0		-14.0	5232.7		
236	880	"	BH	12.2	-4.4	-16.6	5230.1		
237	440	"	-	6.4		-6.4	5240.3		
238	0	"	-	5.0		-5.0	5241.7		
239	440	"	-	1.0		-1.0	5245.7		
240	880	"	89°	10.4	+15.3	+4.9	5251.6		
① 241	1320	"	89°	14.8	+23.0	+8.2	5254.9		⊙
B.S	1320	"	-	10.3		+10.3	5265.2		B.S
242	880	"	-	9.2		-9.2	5256.0		
243	440	"	-	10.2		-10.2	5255.0		
244	0	"	-	5.2		-5.2	5260.0		
245	440	"	-	3.2		-3.2	5262.0		
246	880	"	89°00'	12.2	+15.3	+3.1	5268.3		
① 247	1320	"	89°30'	8.2	+11.5	+3.3	5268.5		⊙
TBM	1405	309°21'	89°30'	7.6	+12.2	+4.6	5269.8		TBM @ Sec +

On the boundary

SURVEY NOTES

GEO-49

Line # 1-A

20

DATE Jan 30 1977	INSTRUMENT MAN SHULTZ	ROD MAN R-STOLL	PARTY NUMBER 1501	PAGE 18
AREA Socorro L-1A	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
247								5268.5	BS to 247
BS	1320	129°55'	TH	+7.1	-6.6	+0.5	5269.0		BS
BM	1305	132°42'	TH	4.0	+6.5	+2.5		5271.5	B.M. EL = 5272.
248	880	129°55'	TH	6.1	+4.4	-1.7		5267.3	Corners
249	440	"	-	1.3		-1.3		5267.7	
250	0	-	-	5.0		-5.0		5264.0	
251	440	307°52'	-	9.1		-9.1		5259.9	
252	880	-	-	2.4		-2.4		5266.6	
253	1320	309°52'	TH	9.7	+6.6	-3.1		5265.9	0
BS	880	130°08'	89°00'	+8.1	-15.3	-7.2	5258.7		BS
254	440	"	-	6.3		-6.3		5252.4	
255	0	-	-	5.1		-5.1		5253.6	
256	440	310°25'	-	11.9		-11.9		5246.8	
257	880	"	TH	5.1	+4.4	-0.7		5258.0	
258	1320	310°28'	89°-	12.3	+23.0	+10.7		5269.4	0
BS	2200	136°44'	-	+11.9		+11.9	5281.3		BS
259	1760	"	-	13.8		-13.8		5267.5	By water tank
260	1320	"	-	13.1		-13.1		5268.2	" "
261	880	"	-	6.4		-6.4		5274.9	
262	440	"	-	4.3		-4.3		5277.0	
263	950	222°38'	88°20'	3.3	+22.1	+18.8		5300.1	See Corner EL 5300.

## SURVEY NOTES

GEO-49

Line 200 - A

21

DATE Jan 7 <sup>th</sup> 1977	INSTRUMENT MAN SHULTZ	ROD MAN STOLL	PARTY NUMBER 6841	PAGE 19
AREA Socorro	WINE # 1	STATE N. Mex	COUNTY Socorro	TWP
	TABLE FEET NO.			RANGE

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5281.3		
263	0	—	—	-5.1		-5.1		5276.2	
264	440	310°43'	—	-3.8		-3.8		5277.5	
BM	720	281°20'	89°00'	6.2	+12.5	+6.3		5287.6	BM BM EL = 5287.
265	880	310°03'	—	-3.7		-3.7		5277.6	
① 266	1320	310°22'	TH	5.7	+6.6	+0.9		5282.2	①
BS	1320	130°35'	—	+9.0		+9.0	5291.2		BS
267	880	"	90°50'	13.7	-12.8	-26.5		5264.7	
268	440	"	—	-10.1		-10.1		5281.1	
269	0	—	—	-5.0		-5.0		5286.2	
ROAD	12	310°39'	—	-5.1		-5.1		5286.1	line across road
270	440	"	—	-4.5		-4.5		5286.7	
271	880	"	TH	4.9	+4.4	-0.5		5290.7	
272	1320	"	TH	5.1	+6.6	+1.5		5292.7	
① 273	1760	310°39'	TH	7.3	+8.8	+1.5		5292.7	①
BS	880	130°59'	—	+3.4		+3.4	5296.1		BS
274	440	"	—	-4.0		-4.0		5292.1	
<del>274</del>	180	"	—	-3.8		-3.8		5292.3	
275	0	—	—	-5.0		-5.0		5291.1	
276	440	308°51'	—	-6.5		-6.5		5289.6	
277	880	"	—	-6.5		-6.5		5289.6	

**SURVEY NOTES**

GEO-49

*Leslie AUL - A*

*22*

DATE <i>Jan 8<sup>th</sup> 1977</i>	INSTRUMENT MAN <i>SHULTZ</i>		ROD MAN <i>STOLL</i>		PARTY NUMBER <i>6841</i>	PAGE <i>20</i>
AREA <i>Socorro</i>	WINE # <i>1-A</i>	PL. TABLE SHEET NO.	STATE <i>New Mex</i>	COUNTY <i>Socorro</i>	TWP <i>3-N</i>	RANGE <i>2-W</i>

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5296.1		
278	1320	308°51'	—	9.8		-9.8		5286.3	
279	1760	"	—	7.6		-7.6		5288.5	
① 280	2200	308°51'	—	3.6		-3.6		5292.5	⊙
B.S.	0	—	—	+5.1		+5.1	5297.6		BS
281	1240	226°39'	89°	5.7	+21.6	+15.9		5313.5	set up on top of $\sqrt{2} = 3314$ sec. corner T-3-N-R-2-W
281	440	308°51'	—	6.7		-6.7		5290.9	
282	880	"	—	5.8		-5.8		5291.8	
283	1320	"	—	5.0		-5.0		5292.6	
284	1760	"	—	3.8		-3.8		5293.8	
① 285	2200	"	TH	13.9	+11.0	-2.9		5294.7	⊙
B.S.	2640	"	89°40'	+8.7	-15.3	-6.6	5288.1		BS
286	2200	"	TH	-3.2	+11.0	+7.8		5295.9	
287	1760	"	TH	3.8	+8.8	+5.0		5293.1	
288	1320	"	TH	5.8	+6.6	+0.8		5288.9	
289	880	"	TH	6.1	+4.4	-1.7		5286.4	
290	440	"	—	3.4		-3.4		5284.7	
291	0	"	—	5.1		-5.1		5283.6	
292	440	"	—	3.8		3.8		5284.3	
293	880	"	—	1.3		-1.3		5286.8	
294	1320	"	TH	8.3	+6.6	-1.7		5286.4	

**SURVEY NOTES**

GEO-49

*Line One - A*

**23**

DATE <i>Jan 8th 1977</i>	INSTRUMENT MAN <i>Shultz</i>	ROD MAN <i>Stoll</i>	PARTY NUMBER <i>6861</i>	PAGE <i>21</i>
AREA <i>Socorro</i>	LINE ONE	STATE <i>New Mexico</i>	COUNTY <i>Socorro</i>	TWP <i>3-N</i>
	TABLE SHEET NO.			RANGE <i>2-W</i>

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5288.1		
<del>295</del>	1560	"	TH	-8.1	+7.8	-0.3		5287.8	<i>Section line</i>
295	1760	"	TH	7.0	+8.8	+1.8		5289.9	
296	2200	"	TH	3.8	+11.0	+7.2		5295.3	
0297	2640	"	TH	4.3	+13.2	+8.9		5297.0	⊙
B.S	1960	128°4'	-	8.0		+8.0	5305.0		B.S
298	1320	"	-	5.2		-5.2		5299.8	
299	880	"	-	5.8		-5.8		5299.2	
300	440	"	-	5.3		-5.3		5299.7	
301	0	-	-	5.1		-5.1		5299.9	
	49'	308°18'	-	5.1		-5.1		5299.9	<i>Line crossed road</i>
302	440	"	-	5.0		-5.0		5300.0	
303	880	"	-	5.6		-5.6		5299.4	
304	1320	"	-	6.0		-6.0		5299.0	
⊙ 305	1760	308°18'	TH	13.1	+8.8	-4.3		5300.7	⊙
B.S	1320	"	BH	+9.9	+6.6	+16.5	5317.2		B.S
306	880	"	-	10.8		-10.8		5306.4	
307	440	"	-	7.3		-7.3		5309.9	
308	0	"	-	5.1		-5.1		5312.1	
309	440	"	BH	14.5	-2.2	+16.7		5300.5	
310	880	"	91-	9.2	-15.3	+24.5		5292.7	



SURVEY NOTES

GEO-49

Line # 1-A

25

DATE	INSTRUMENT/MAN		ROD MAN		PARTY NUMBER	PAGE				
Jan 11, 1977	Shultz		Stoll		6841	22				
AREA	LINE #	PL. TABLE SHEET NO.	STATE	COUNTY	TWP	RANGE				
Socorro	1-A		New Mexico	Socorro	4-N	2-W				
STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS	
<del>310</del>	1020	"	89°	9.5	-18.3	-27.8	5317.2	5289.4	Note! 8°30' to be added to ALL AZ'S of this LINE COMPAS Correction	
	1240	"	90°40'	11.7	-14.4	-26.1		5291.1		
311	1320	"	BH	11.3	-6.6	-17.9		5299.3		
BS	780	128°18'	91°	+7.5	+15.3	+22.8	5322.1	5308.8		
312	448	"	"	"	"	-13.3		5310.1		
313	0									EAST EDGE OF LEVEE
314	44			8.2						Pt. of drive around
	80			8.2		-8.2		5313.9		CREEK
314	440	300°45'	88°48'	14.8	+9.2	-5.6		5316.5		
BS	1760	114°58'	BH	8.8	+8.8	+17.6	5334.1			
315	1320	"	"	7.5		-9.5		5324.6		
316	880	"	"	9.7		-9.7		5324.4		
317	440	"	"	9.0		-9.0		5325.1		
318	0	"	"	5.0		-5.0		5329.1		
319	440	294°45'	"	1.6		-1.6		5332.5		
320	880	"	89°	11.5	+15.3	+3.8		5337.9	ROAD 80' N of 320	
321	1320	"	89°	11.7	+23.0	+11.3		5345.4		
322	1760	294°45'	89°	10.0	+25.5	+15.5		5349.6		

## SURVEY NOTES

GEO-49

LINE # 1-A

24

DATE	INSTRUMENT MAN		ROD MAN		PARTY NUMBER	PAGE			
1-12-77	CRAIG SANDO		STOLL		6541	23			
AREA	PL. TABLE SHEET NO.	STATE	COUNTY	TWP	RANGE				
SOCORRO L. 1A		N.M.	SOCORRO	4-N	2-W				
STATION NO.	DISTANCE	BEARING	Beamman or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
								5349.6	
BS	1760	115° 0'	BH	76.5	+8.8	+15.3	5364.9		
323	1320	"	BH	10.1	-6.6	-16.7		5348.2	
324	880	"	—	13.8		-13.8		5351.1	
325	440	"	—	8.2		-8.2		5356.7	
320	0	"	—	5.0		-5.0		5359.9	
327	448	294° 43'	—	3.0		-3.0		5361.9	
328	880	"	—	2.9		-2.9		5362.0	
329	1320	"	89° 36'	10.0	+9.2	-0.8		5364.1	
---	1020	"	—	2.7		-2.7			ROAD & WATERLINE
330	1760	"	89° 34'	10.0	+13.4	+3.4		5368.3	330 5367.2
BS	1760	"	BH	8.9	8.8	+17.7	5386.0		BS
331	1320	"	—	7.9		-7.7		5378.3	
---	1150	"	—	12.6		-12.6		5373.4	ROAD
332	880	"	—	11.7		-11.7		5374.3	
333	440	"	—	6.4		-6.4		5379.6	
334	0	"	—	5.0		-5.0		5381.0	
335	440	"	—	3.4		-3.4		5382.6	
336	850	"	89°	13.7	+15.3	+1.6		5387.6	
337	1320	"	+4	2.8	+6.6	+3.8		5389.8	
338	1760	"	89° 26'	10.0	+12.4	+7.4		5393.4	

# SURVEY NOTES

GEO-49

LINE ONE-A

27

DATE	INSTRUMENT MAN		ROD MAN		PARTY NUMBER		PAGE		
1-13-77	CRAIG SANDO		J TOLL		6841		24		
AREA	PL. TABLE SHEET NO.	STATE	COUNTY	TWP	RANGE				
Socorro 1-A		N.M.	Socorro	4-N	2-W-3-W				
STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5386.0		5376.1
① 339	2200	11	89°22'	10.0	+20.5	+10.5		5376.5	①
BS	1760	11	BH	13.5	+8.8	+22.3	5418.8		BS
340	1320	11	BH	11.1	-6.6	-18.3		5400.5	
341	880	11	—	13.		-13.1		5405.7	
342	440	11	—	10.4		-10.4		5408.4	
343	0	11	—	5.0		-5.0		5413.8	
344	440	11	89°0'	7.6	+7.7	+0.1		5418.9	
345	880	11	89°0'	11.3	+15.3	+4.0		5422.8	
346	1320	11	89°13'	10.0	+16.1	+6.1		5424.9	
XXX	1540		17°23'	9.7	+17.9	+8.7		5427.5	
									DRIVE AROUND FOR ALL VEH PROP. LINE FOR
① 347	1760	11	89°20'	11.5	+20.4	+8.9		5427.7	①
BS	1760	11	BH	8.6	+8.8	+17.4	5445.1		BS
348	1320	11	BH	9.1	-6.6	-15.7		5429.4	
349	880	11	—	9.7		-9.7		5435.4	
350	440	11	—	6.7		-6.7		5438.4	
351	0	11	—	5.0		-5.0		5440.1	
352	440	11	89°0'	6.7	+7.7	+1.0		5446.1	
353	880	11	89°0'	10.2	+15.3	+5.1		5450.2	
354	1320	11	89°0'	12.0	+23.0	+1.0		5456.1	

18°30'  
AD BE ADDED TO ALL AZ'S OF LINE ONE

DRIVE AROUND FOR ALL VEH PROP. LINE FOR HUNNING DOCKERY CORNERS SHOULD BE BH

# SURVEY NOTES

GEO-49

## LING 1-A

28

DATE		INSTRUMENT MAN			ROD MAN			PARTY NUMBER		PAGE		
1-13-77		CRAIG SANDO			STOLL			6841		25		
AREA			PL. TABLE SHEET NO.		STATE		COUNTY		TWP		RANGE	
SOCORRO					N.M.		SOCORRO					
STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS			
							5445.1					
355	1760	"	89°	13.6	+30.6	+17.0		5462.1	0			
BS	1320	"	91°30'	+12.5	+34.6	+47.1	5509.2		BS			
356	880	"	91°30'	11.1	-23.1	-34.2		5475				
357	440	"	91°	8.2	-7.7	-15.9		5493.3				
358	0	"	—	5.0		-5.0		5504.2				
359	440	"	89°	7.3	+7.7	+0.4		5509.6				
360	880	"	89°	7.9	+15.3	+7.4		5516.6				
<del>xxx</del>	1240	"	89°	9.0	+21.6	+12.6		5521.8	? Section fence			
361	1320	"	89°	9.6	+23.0	+13.4		5522.6	Point where lat fence turns			
BS	1760	114°21'	90°22'	14.3	+11.3	+25.6	5548.2		BS			
362	1320	"	BH	13.1	-6.6	-19.7		5528.5				
363	880	"	—	13.4		-13.4		5534.8				
364	440	"	—	9.2		-9.2		5539				
365	0	"	—	5.0		-5.0		5543.2				
366	440	"	90	5.3		-5.3		5542.9				
367	880	"	70	7.0		-7.0		5541.2				
368	1320	294°36'	FH	5.9	+6.6	+0.7		5548.9	0	+ 0.7		
<del>368</del>												
BS	1320	138°54'	—	12.5		+12.5	5561.4		BS			
369	880	"	—	8.1		-8.1		5553.3				

# SURVEY NOTES

GEO-49

LINE 1-A

29

DATE 1-13-77	INSTRUMENT MAN C-SANDO	ROD MAN STOLL	PARTY NUMBER 6841	PAGE 26
AREA SOCORRO	PL. TABLE SHEET NO.	STATE N.M.	COUNTY SOCORRO	TWP RANGE

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5561.4		
370	440	134°54'	-	9.4	-9.4			5552.	
371	0	+	-	5.0	-5.0			5556.4	LAST CROSSCOUNTRY
372	440	316°32'	TH	1.8	+2.2	+0.4		5561.8	↓
373	880	"	89	6.5	+5.3	+8.8		5570.2	25' NE OF ROAD
① 374	1320	314°56'	89°	8.0	+23.0	+15.0		5576.4	① ON ROAD
BS	1760	128°32'	-	14.0		+14.6	5591.		BS
375	1320	"	-	13.2		-13.2		5577.8	"
376	880	"	BH	13.7	-4.4	-18.1		5572.9	" ON
377	440	"	-	6.4		-6.4		5584.6	
378	0	8"	-	5.0		-5.0		5586.	ROAD
379	440	316°32'	-	1.5		-1.5		5589.5	
380	880	"	89°30'	7.5	+7.7	+0.2		5591.2	
381	1320	"	89°30'	3.9	+11.5	+7.6		5598.6	
① 382	1760	316°32'	"	4.2	+15.3	+11.1		5602.1	①
BS	440	141°35'	-	12.7		+12.7	564.8	5613.1	BS 5597.2 *HI corrected
383	440	"	-	4.9		-4.9		5609.9	
384	25	"	-	5.1		-5.1		5609.7	ROAD INTERSECTION <sup>EL=5608.0</sup> NE 1.7
384	0	"	-	5.0		-5.0		5608.1	
① 385	440	328°48'	91°	8.3	-7.7	-16.0		5597.1	①
BS	1750	138°29'	89°	5.2	-30.5	+25.3	5571.8		BS

tie

**SURVEY NOTES**

GEO-49

WINE # 1-A

30

DATE JAN 14 1976	INSTRUMENT MAN TRAI9-SANDO	ROD MAN R-5 toll	PARTY NUMBER 6841	PAGE 27
AREA Socorro Line one	PL. TABLE SHEET NO.	STATE New Mexico	COUNTY VALUNOJA	TWP RANGE

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5571.8		
386	1320	133°5'	89°30'	9.3	+11.5	+2.2		5574	
387	480	"	90°	7.7		-4.7		5567.1	IN DRAINAGE
388	440	"	—	7.5		-7.5		5564.3	
389	0	"	—	5.0		-5.0		<del>5569.6</del> 5566.8	
390	440	"	—	2.2		-2.2		5569.6	
① 391	880	304°6'	89°	14.6	+15.3	+0.7		5572.5	in field DRAINAGE
BS	1095	117°41'	92°	10.5	+38.2	+40.7	5621.2		BS 5' FROM ↑
392	655	"	92°	8.1	-34.3	-42.4		5578.8	in field
393	220	"	95°	8.3	-19.1	-28.4		5592.8	IN FIELD
393 1/2	0	+	—	5.0		-5.0		5616.2	
① 394	220	297°00'	93°	5.0	-11.5	-16.5		5604.7	① set Sta 394 30' NE of Rd
B.S	1095	153°01'	92°30'	14.3	+47.7	+62.0	5666.7		B
395	660	"	92°30'	14.3	-28.8	-43.1		5623.6	on Road
396	220	"	92°30'	13.8	-9.6	-23.0		5643.7	in field
396 1/2	0	+	—	5.1		-5.1		5661.6	"
397	220	319°43'	—	6.1		-6.1		5660.6	in field
① 398	660	319°43'	—	0.5		-0.5		5666.2	① on Road
B.S	880	119°47'	BH	11.5	+4.4	+15.9	5682.1		BS
399	440	"	—	7.2		-7.2		5674.9	on Road
400	0	+	—	5.1		-5.1		5677	20' NE of Road

along winding Road

# SURVEY NOTES

GEO-49

*Line 811C-A*

**31**

DATE <i>Jan 14<sup>th</sup> 1977</i>	INSTRUMENT MAN <i>C - SANDO</i>	ROD MAN <i>R - STOLL</i>	PARTY NUMBER <i>6841</i>	PAGE <i>28</i>
AREA <i>Socorro</i>	PL. TABLE SHEET NO. <i>NINE ONE</i>	STATE <i>New Mexico</i>	COUNTY <i>Mercia</i>	RANGE

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							<i>5682.1</i>		
401	440	305°32'	87°43'	-5.0	-2.2	-7.2		5674.9	<i>in field</i>
402	880	"	89°38'	13.0	+5.6	-7.4		5674.7	
403	1320	"	89°34'	13.6	+10.0	-3.6		5678.5	
① 404	1760	305°32'	89°24'	14.6	+18.5	+3.9		5686.0	
BS	1320	130°07'	90°30'	+14.0	+11.5	+25.5	5711.5	BS	" "
405	880	"	BH	12.8	-4.4	-17.2		5694.3	" "
406	440	"	—	11.3		-11.3		5700.2	
407	0	+	—	5.1		-5.1		5706.4	<i>STA on road</i>
<i>1/2 Sec 33</i>	265	74°47'	—	8.0		-8.0		5703.5	<i>43 SW 37 water tank</i>
<i>4 gate</i>	48	314°11'	—	—		—			<i>4 Sec 33</i>
408	440	"	—	3.3		-3.3		5708.2	<i>fence line</i>
① 409	880	314°11'	89°—	10.4	+15.3	+4.9		5716.4	<i>in field</i>
BS	1760	142°41'	91°—	+9.2	+30.6	+39.8	5756.2	BS	<i>25' NE of BH</i>
410	1320	"	91°—	7.2	-23.0	-30.2		5726.0	<i>back on road</i>
411	880	"	91°—	8.7	-15.3	-24.0		5732.2	"
412	440	"	91°—	9.4	-7.7	-17.1		5739.1	"
413	0	—	—	5.1		-5.1		5751.1	"
414	440	322°49'	88°30'	4.4	+11.5	+7.1		5763.3	"
415	880	"	88°30'	2.4	+23.1	+20.7		5776.9	
① 416	1320	322°49'	88°—	8.7	+46.1	+37.4		5793.6	<i>5793.6</i>

## SURVEY NOTES

GEO-49

LINE # 1-A

32

DATE JAN 14 1977	INSTRUMENT MAN C-SANDO	ROD MAN STOLL	PARTY NUMBER 6841	PAGE 29
AREA Socorro	LINE ONE	PL. TABLE SHEET NO.	STATE New Mex	COUNTY Valencia
			TWP	RANGE

STATION NO.	DISTANCE	BEARING	Bearman or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
416								5793.6	
B <sup>30</sup>	880	144°55'	92°30'	+8.7	+38.4	+47.1	5840.7		BS
417	440	"	92°-	8.9	-15.4	-24.3		5816.4	on road
418	0	+	-	5.1		-5.1		5835.6	back in field
① 419	440	326°54'	88°-	6.6	+15.4	+8.8		5849.5	①
B <sup>5</sup>	1965	121°04'	90°40'	+11.0	+22.8	+33.8	5883.3		B <sup>5</sup> on road
420	1530	"	91°-	9.0	-26.6	-35.6		5849.7	on road
421	1090	"	91°30'	5.7	-28.6	-34.3		5849	" "
422	660	125°20'	91°30'	12.4	-17.3	-29.7		5853.6	" "
423	220	"	91°-	14.2	-3.8	-28.0		5855.3	" "
423½	0	+	-	5.1		-5.1		5878.2	
424	220	284°24'	-	11.3		-11.3		5872	
425	660	"	91°-	6.8	-11.5	-18.3		5865	
426	1100	"	91°-	1.5	-19.1	-20.6		5862.7	
① 427	1540	284°24'	90°30'	11.2	-13.4	-24.6		5858.7	①
B <sup>5</sup>	880	94°47'	-	+5.8		+5.8	5864.5		BS ON ROAD
428	440	"	-	8.0		-8.0		5856.5	"
429	0	-	-	5.0		-5.0		5859.5	"
430	440	282°18'	89°	7.5	+7.7	+0.2		5864.7	"
431	880	"	TH	1.8	+4.4	+2.6		5867.1	IN FIELD 40'
432	1320	"	TH	2.2	+6.6	+4.4		5868.9	ON ROAD

# SURVEY NOTES

GEO-49

LINE # 1-A

33

DATE 1-18-77	INSTRUMENT MAN CRAIGSSANCO		ROD MAN STOLL		PARTY NUMBER 6841	PAGE 30
AREA SOCORRO	LINE # 1	PL. TABLE SHEET NO.	STATE N.M.	COUNTY VALENCIA	TWP 5-N	RANGE 3-W

STATION NO.	DISTANCE	BEARING	Beam on or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5864.5		
433	1760	282°18'	99°30'	5.2	+15.3	+10.1		5874.6	
434	2200	292°18'	89°30'	7.1	+19.1	+12.0		5876.5	0
BS	960	316°46'	98°	13.9	+33.5	+47.4	5923.9		BS
30/29	0			5.0		-5.0			T
31/32	1190	173°30'	89°	8.2	+20.5	+12.3		5936.2	T5N R3W
	1150	"	89°	10.2	+20.5	+10.3		5934.2	GROUND EL=5934.
434		512°43'			Break notes			5876.5	
BS	2625	85°27'	90°24'	14.5	+18.4	+32.9	5909.4		
435	2200	"	90°30'	14.4	-19.1	-33.5		5875.9	
436	1760	"	90°30'	15.0	-15.3	-30.3		5879.1	
437	1320	"	90°30'	14.0	-11.5	-25.5		5883.9	
438	880	"	90°30'	14.7	-7.7	-22.4		5887.1	
439	440	"		14.8		-14.8		5894.6	
440	0			5.1		-5.1		5904.3	
441	440	260°49'	T14	0.3	+2.2	+1.9		5911.3	
442	880	"	89°	3.7	+15.3	+11.6		5921.1	
443	1320	"	89°	3.8	+23.0	+19.2		5928.6	
444	1760	260°49'	88°50'	10.7	+35.9	+25.2		5934.6	0
BS	1760	81°38'	90°40'	10.3	+20.4	+30.7	5965.3		BS
445	1320	"	90°40'	8.8	+15.2	+24.1		5941.2	

# SURVEY NOTES

GEO-49

LINE # 1-A

34

DATE <i>Jan 20 - 1977</i>	INSTRUMENT MAN <i>SHULTZ</i>	ROD MAN <i>Stall</i>	PARTY NUMBER <i>6841</i>
AREA <i>Socorro</i>	PL. TABLE SHEET NO.	STATE <i>NM</i>	COUNTY <i>VALENCIA</i>
		TWP <i>5-N</i>	RANGE <i>4-W</i>

STATION NO.	DISTANCE	BEARING	Bearing or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
<del>207</del>		<i>81°38'</i>					<i>5965.3</i>		
<del>446</del>	<i>1160</i>	"	<i>90°30'</i>	<i>12.5</i>	<i>-10.1</i>	<i>-22.6</i>		<i>5942.7</i>	<i>Lower line N-S</i>
<del>446</del>	<i>1360</i>	<i>112°37'</i>	—	<i>7.7</i>		<i>-7.7</i>		<i>5957.6</i>	<i>Lower corner</i>
<i>446</i>	<i>880</i>	<i>81°38'</i>	<i>TH</i>	<i>14.3</i>	<i>-4.4</i>	<i>-18.7</i>		<i>5946.6</i>	
<i>447</i>	<i>440</i>	"	—	<i>12.0</i>		<i>-12.0</i>		<i>5953.3</i>	
<i>448</i>	<i>0</i>	—	—	<i>5.1</i>		<i>-5.1</i>		<i>5960.2</i>	
<i>449</i>	<i>440</i>	<i>269°20'</i>	<i>TH</i>	<i>1.2</i>	<i>+2.2</i>	<i>+1.0</i>		<i>5966.3</i>	
<i>450</i>	<i>880</i>	"	<i>89°</i>	<i>6.8</i>	<i>+15.3</i>	<i>+8.5</i>		<i>5973.8</i>	
<i>451</i>	<i>1320</i>	<i>269°20'</i>	<i>89°</i>	<i>9.2</i>	<i>+23.0</i>	<i>+13.8</i>		<i>5979.1</i>	<i>Dist on road</i>
<i>B5</i>	<i>2200</i>	<i>84°33'</i>	<i>90°34'</i>	<i>+14.6</i>	<i>+21.8</i>	<i>+36.4</i>	<i>6015.5</i>		<i>B5</i>
<i>452</i>	<i>1760</i>	"	<i>90°34'</i>	<i>13.5</i>	<i>-17.4</i>	<i>-30.9</i>		<i>5984.6</i>	
<i>453</i>	<i>1320</i>	"	<i>90°34'</i>	<i>13.8</i>	<i>-13.1</i>	<i>-26.9</i>		<i>5988.6</i>	
<i>454</i>	<i>880</i>	"	<i>90°34'</i>	<i>12.1</i>	<i>-8.7</i>	<i>-20.8</i>		<i>5994.7</i>	
<i>455</i>	<i>440</i>	"	—	<i>13.3</i>		<i>-13.3</i>		<i>6002.2</i>	
<i>456</i>	<i>0</i>	—	—	<i>5.1</i>		<i>-5.1</i>		<i>6010.4</i>	
<i>457</i>	<i>440</i>	<i>263°15'</i>	<i>89°00'</i>	<i>4.4</i>	<i>+7.7</i>	<i>+3.3</i>		<i>6018.8</i>	
<i>458</i>	<i>880</i>	"	<i>88°36'</i>	<i>11.8</i>	<i>+23.1</i>	<i>+8.3</i>		<i>6023.8</i>	
<i>459</i>	<i>1320</i>	"	<i>88°40'</i>	<i>12.8</i>	<i>+30.8</i>	<i>+18.0</i>		<i>6033.5</i>	
<i>460</i>	<i>1760</i>	"	<i>88°40'</i>	<i>14.1</i>	<i>+41.0</i>	<i>+26.9</i>		<i>6042.4</i>	
<i>461</i>	<i>2200</i>	"	<i>88°42'</i>	<i>14.5</i>	<i>+49.9</i>	<i>+35.4</i>		<i>6050.9</i>	

SHULTZ

E.O.L. 6050.9



SURVEY NOTES

GEO-49

VP. offset's Line one - A

36

DATE JAN-17-1977	INSTRUMENT MAN SANDO	ROD MAN STILL	PARTY NUMBER 6841	PAGE 27-A
AREA Socorro	LINE one	STATE NM	COUNTY Socorro	TWP RANGE

STATION NO.	DISTANCE	BEARING	Beam on or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
@386	0	<del>Rt L</del>	-	+5.0	-	+5.0	5579.	5574.	
VP-386	4.0	Rt L	-	4.6		-4.6		5574.4	VP 386 - <del>NE</del> on Rd
@387	0	-	-	+5.1		+5.1	5572.2	5567.1	
VP-387	285	Rt L	-	11.6		-11.6		5560.6	VP 387 " " "
<p>Line on Road</p> <p>388 39.0</p> <p>389 39.0</p>									
@391	0	-	-	+5.1		+5.1	5577.6	5572.5	
VP-391	225	Rt L	-	4.5		-4.5		5573.1	VP 391 offset on Rd NE
@392	0	-	-	+5.1		+5.1	5583.9	5578.8	
VP-392	108	Rt L	-	5.3		-5.3		5578.6	VP 392 " " " SW
@393	0	-	-	+5.0		+5.0	5997.8	5992.8	
VP-393	240	Rt L	-	9.7		-9.7		5988.1	VP 393 " " " SW

SURVEY NOTES

GEO-49

VP OFFSETS - NINE ONE - A

37

DATE JAN 17 - 1977	INSTRUMENT MAN	ROD MAN	PARTY NUMBER 6841	PAGE 28-B
AREA Socorro	PL. TABLE SHEET NO.	STATE NM	COUNTY VALENCIA	TWP RANGE 29-A

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
@405	0	—	—	+5.1		+5.1	5699.4	5694.3	
VP-405	170	R/L	—	5.9		-5.9		5693.5	VP-405 offset on Rd SW
@406	0	—	—	+5.0		+5.0	5705.2	5700.2	
VP-406	60	R/L	—	5.0		-5.0		5700.2	VP 406 " " " SW
407 <del>beam on road</del> skip VP's within 200k									
@408	0	—	—	+5.1		+5.1	5713.3	5708.2	
VP-408	45	R/L	—	3.0		-3.0		5710.3	VP 408 " " " S
VP409	20'	sw							S
VP410	40'	sw							sw
411 TO 417 on <del>ROAD</del> LINE									
@418	0	—	—	+5.1		+5.1	5840.7	5835.6	
VP418	66	R/L	—	9.1		-9.1		5831.6	VP 418 " " " SW

**SURVEY NOTES**

GEO-49

*VP OFFSETS - LINE # 1-A*

**38**

DATE JAN-17-1977	INSTRUMENT MAN SANDO	ROD MAN	PARTY NUMBER GSKI	PAGE 27828-A							
AREA Socorro	LINE ONE	PL. TABLE SHEET NO.	STATE NM	COUNTY							
STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	TWP	RANGE	REMARKS

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	TWP	RANGE	REMARKS
VP 394	20	N 8° E									→ file name
	395	on Road									
@396	0	-	-	5.0		+5.0	5648.7	5643.7			
VP-396	335	R6 L	86°	4.9	*23.3	+18.4		5667.1	VP		396 offset on rd to NW
@397	0	-	-	5.0		+5.0	5665.6	5660.6			
VP-397	45	R6 L	-	4.8		-4.8		5660.8	VP		397 " " " " SW
@402	0	-	-	5.1		+5.1	5679.8	5674.7			
VP-402	87	R6 L	-	3.8		-3.8		5676.0	VP		402 " " " " SW
@403	0	-	-	5.1		+5.1	5683.6	5678.5			
VP-403	175	R6 L	-	2.3		-2.3		5681.3	VP		403 " " " " SW
@404	0	-	-	5.1		+5.1	5691.1	5686.0			
VP-404	177	R6 L	-	1.5		-1.5		5689.6	VP		404 " " " " SW

**SURVEY NOTES**

GEO-49

V.P. OFFSETS WINE ONE - A

39

DATE		INSTRUMENT MAN			ROD MAN		PARTY NUMBER		PAGE				
Jan 20 1977		Shultz			Stoll		0841		31-A				
AREA		LINE		PL. TABLE SHEET NO.		STATE		COUNTY		TWP		RANGE	
Socorro		1				NM		VALUENIA					
STATION NO.	DISTANCE	BEARING	Bearing or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS				
@452	0	-	-	+5.0		+5.0	5989.6	5984.6					
VP452	140	Rto L	-	-3.8		-3.8		5985.8	VP452 offset to 9m Rd North				
@453		-	-	+5.0		+5.0	5993.6	5988.6					
VP453	420	Rto L	89°	4.5	+7.3	+2.8		5996.4	VP	453	"	"	"
@454	0	-	-	+5.0		+5.0	5999.7	5994.7					
VP454	740	Rto L	89°	7.5	+12.9	+5.4		6005.1	VP	454	"	"	"
@455	0	-	-	+5.0		+5.0	6007.2	6002.2					
VP455	830		TH	4.3	+4.1	+0.2		6007.	VP	455	"	"	"
@456	0	-	-	+5.0		+5.0	6015.4	6010.4					
VP456	620	Rto L		5.7		-5.7		6009.7	VP456	353' 15"			N
@457	0	-	-	+5.1		+5.1	6023.9	6018.8					
VP457	430	Rto L	-	5.1		-5.1		6018.8	VP	457	"	"	" N
@458	0	-	-	+5.1		+5.1	6028.9	6023.8					
VP458	290	Rto L	-	4.5		-4.5		6024.4	VP	458	"	"	N

# SURVEY NOTES

GEO-49

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DATE		INSTRUMENT MAN			ROD MAN		PARTY NUMBER		PAGE				
JAN-20-1977		SHULTZ			Stoll		6841		31-A				
AREA		LINE		TABLE SHEET NO.		STATE		COUNTY		TWP		RANGE	
Socorro		L-1		77		NM		VALENCIA		5-N		4-W	
STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS				
459	0	—	—	+5.0		+5.0	6038.5	6033.5	OK same VP 448 120' to south				
VP459	615	R/L	89°	8.3	+10.7	+2.4		6040.9	VP 459 offset to 160th Rd				
460	0	—	—	+5.1		+5.1	6047.5	6042.4					
VP460	370		89°	4.3	+6.4	+2.1		6049.6	VP 460 " "				
461	0	—	—	+5.1		+5.1	6056.0	6050.9					
VP461	130	R/L	—	5.3		-5.3		6050.7	VP 461 " "				
TR 461 1/2 TRAVERSE TO Sec Corner Cor Tie													
SP461								6050.9	461 697.5				
B5	520	103°15'	9230	+13.6	+22.7	+36.3	6087.2		B5				
○	363	12°28'	88°	1.1	+13.7	+11.6		6088.8	B5				
B5	1420	214°24'	BH	+13.8	+7.1	+20.9	6119.7		B5 23 24 T-5-N				
23 24	1660	29°38'	9200	9.2	-57.9	-67.1		6052.6	26 25 R-4-W				
25 26								6051.0					
								6052.6					
								1.6					
									Tie				