

*Scophone line*

108

DATE <b>JAN 27, 1977</b>	INSTRUMENT MAN <b>SHULTZ</b>		ROD MAN		PARTY NUMBER <b>6841</b>	PAGE <b>1</b>
AREA <b>SOCORRO LINE 4</b>	PLAT TABLE SHEET NO.	STATE <b>NEW MEX.</b>	COUNTY <b>SOCORRO</b>	TWP <b>3-S</b>	RANGE <b>2-W</b>	

STATION NO.	DISTANCE	BEARING	Bearman or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
<del>2166</del>									+8°30' To be Added To All AZ'S OF THIS LINE
<del>34435</del>							5910.		
BS	725	36°22'	95°24'	14.7	*67.9	+82.6	5992.6		
<del>0</del>	485	198°38'	BH	-12.8	-2.4	-15.2		5997.4	0
BS	755	01°29'	85°-	+2.9	-65.5	-62.6	5914.8		BS
1	0	-	-	5.0		-5.0		5909.8	0
2	440	171°02'	89°-	6.2	+7.7	+1.5		5916.3	0
① 2 1/2	660	171°02'	83°00'	11.7	+79.9	+68.2		5983.0	0
<del>BS</del>	<del>34841</del>		BH	<del>12.8</del>					<del>BS</del>
BS	660	348°41'	BH	+12.8	+3.3	+16.1	5999.1		BS
3	440	"	-	10.4		-10.4		5988.7	
4	0	-	-	5.0		-5.0		5994.1	
5	440	161°30'	-	11.4		-11.4		5987.7	
		"							
① 6	880	162°00'	BH	13.3	-4.4	-17.7		5981.4	0
BS	920	350°49'	89°30'	+6.5	-8.0	-1.5	5999.9		BS
7	475	"	91°30'	14.7	-15.2	-29.9		5950.	
8	40	"	-	8.2		-8.2		5971.7	
1	0	-	-	5.0		-5.0		5974.9	
① 9	400	169°10'	89°-	14.4	+7.0	-7.4		5972.5	0
BS	600	346°13'	88°-	+13.0	-20.9	-7.9	5944.6		BS

STA #3 IN FIELD ALL OTHER  
STA'S ON THIS LINE WILL  
HAVE OFFSET 1/2 P-S TO THE  
WEST-ON A POWER WINE  
ROAD.

setups 40' past sta 8

SURVEY NOTES

GEO-49

*Geoplane line*

2

DATE		INSTRUMENT MAN			ROD MAN		PARTY NUMBER		PAGE				
Jan 27 - 1977		SHUTZ			STAN - Salyer		0841		2				
AREA		WINE #		PL. TABLE SHEET NO.		STATE		COUNTY		TWP		RANGE	
SOCORRO		4				NM		SOCORRO		14-S		2-W	
STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS				
							5964.6		STA 10 1st sta in sec # 3				
Feltz	480	"	87°30'	14.4	+20.9	+6.5		5971.1	Sec line fence line E-W				
10	157	"	88°	3.8	+5.5	+1.7		5946.3					
	0	—	<del>108°</del>										
11	283	166°55'	103°00'	14.7	-62.0	-76.7		5887.9	IN bottom of canyon				
12	723	166°55'	—	12.3		-12.3		5952.3	12				
B.S.	870	347°49'	89°00'	7.7	-15.1	-7.4	5944.9		BS				
13	430	"	89°	9.7	+7.5	-2.2		5942.7					
		<del>168°</del>	<del>92°</del>	<del>13.5</del>									
T	0	—											
14	10	168°30'		-5.0		-5.0		5939.9					
15	450	168°30'	92°	13.5	-15.7	-29.2		5915.7	15				
BS	1280	345°42'	—	+5.0		+5.0	5920.7		BS 40' short due to Horiz. Curve				
16	870	"	94°	11.1	-60.5	-71.6		5849.1					
<del>16</del>	620	"							POUND E ARM 1 JO <sup>Property</sup> line				
17	436	"	100°30'	9.5	-78.1	-87.6		5833.1					
18	290	"	105°00'	11.0	-72.5	-83.5		5837.2	← OK - to Drive ROAD TO POUND RANCH				
18	0	—		5.0		-5.0		5915.7					
<del>18</del>	206	181°30'	—	6.6		-6.4	N+S FENCE	5914.1	STA # 18 TO POUND RANCH AZ 275°23'				
	80	164°50'	89°	0.7	+1.4	+0.7		5921.4	line crosses rd E-W Rd				
18 1/2	220	164°50'	89°	3.3	+3.8	+0.5		5921.2	18 1/2				

SURVEY NOTES

GEO-49

*Geophone line*

3

DATE Jan 27 1977	INSTRUMENT MAN SHULTZ	ROD MAN SALYER	PARTY NUMBER 6841	PAGE 3
AREA SACORRO	LINE #	PL. TABLE SHEET NO.	STATE 711 211	COUNTY Socorro
			TWP 4-5	RANGE 2-W

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
								5921.2	
B.S	450	344°30'	85°30'	9.4	-35.2	-25.8	5895.4	B.S	5895.4
19	220	"	86°	1.5	+15.3	+13.8	5909.2		
19 1/2	0	—	—	5.0		-5.0	5890.4		
20	223	164°46'	99°00'	13.9	-34.5	-48.4	5847.		
21	658	164°26'	96°	10.9	-68.4	-79.3	5816.1		
<del>21</del>	900	160°30'	—	13.9		-13.9	5881.5		
		<del>165°49'</del>	<del>88°</del>	<del>14.5</del>					
21 1/2	870	164°46'	TH	0.8	+4.4	+3.6	5899.0	0	
B.S	185	349°25'	88°	+14.2	-3.2	+11.0	5910.0	B.S	
1	0	—	—	5.0		-5.0	5905		set up 35' start of 516 #22
22	35	168°38'	—	8.0		-8.0	5902		
23	475	"	94°	11.6	-33.1	-44.7	5865.3		
24	915	"	91°	13.7	-15.9	-29.6	5880.4		IN DRAW
25	1357	168°38'	88°30'	9.9	+35.6	+25.7	5935.7	0	
B.S	221	342°43'	97°30'	+14.5	+28.6	+43.1	5978.8	B.S	
25 1/2	0	+	—	5.0		-5.0	5973.8		
26	223	169°40'	88°	3.3	+7.8	+4.5	5983.3		
27	670	169°40'	87°	3.3	+35.0	+31.7	6010.5	0	
B.S	220	346°51'	—	+6.1		+6.1	6016.6	B.S	6016.6
27 1/2	0	—	—	5.0		-5.0	6011.6		

EL. 5908.  
See column ~~3/3~~  
10/11

SURVEY NOTES

GEO-49

*Geophone Line*

4

DATE	INSTRUMENT MAN		ROD MAN		PARTY NUMBER	PAGE
JAN-28-1977	STURTZ				6841	4
AREA	LINE #	PL. TABLE SHEET NO.	STATE	COUNTY	TWP	RANGE
Sacorro	4		NM	Sacorro	4-S	2-W

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							6016.6		
① 28	220	167°18'	91°30'	-14.6	-5.8	-20.4		5996.2	① 5996.2
BS	887	320°00'	83°40'	+5.8	-97.2	-91.4	5904.8		BS
29	443	"	85°00'	6.6	+38.5	+31.9		5936.7	
30	0	—	—	-5.0		-5.0		5899.8	30 is 400 from last line
<del>BS</del>	590	264°46'	86°30'	6.2	+35.9	+29.7		5934.5	11-00 Populding at foot of rd - under line
31	440	168°15'	91°40'	-12.7	-12.8	-25.5		5879.3	600 5989.0
32	880	"	—	7.2		-7.2		5897.6	
33	1320	"		-11.1		-11.1		5887.1	Hi Rod - 6.6
34	1760	"	89°—	7.4	+30.6	+23.2		5928.0	
① 35	2190	168°15'	87°40'	10.5	+89.1	+78.6		5983.4	① 5983.4
BS	660	348°00'	76°—	+12.8	+68.6	+81.4	6064.8		BS 6094.5
36	220	"	96°—	12.1	-22.9	-35.0		6029.8	
36 1/2	0	—	—	5.0		-5.0		6059.8	
① 37	220	165°38'	87°—	3.7	+11.5	+7.8		6072.6	①
BS	171	63°06'	82°—	+8.9	-23.6	-14.7	6057.9		BS
① 38	260	166°57'	97°—	14.0	-31.5	-45.5		6012.4	①
BS	1820	355°43'	85°00'	+5.7	-158.0	-152.3	5860.1		BS 5860.1 ✓
39	1320		88°00'	11.4	+46.1	+34.7		5894.8	
40	<del>880</del>		88°40'	14.5	+20.5	+6.0		5866.1	

**SURVEY NOTES**

GEO-49

V110 & Leophone. ties. Offset from 1975

5

DATE JAN 1977	INSTRUMENT MAN	ROD MAN	PARTY NUMBER 6841	PAGE 4-A
AREA Socorro, Line 4	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
								5919.1	
@VP 31	0	-	-	+5.0		+5.0	5924.1		
Sta 31	650		93°00'	13.2	-34.0	-47.2		5876.9	93°30' - 7.5' 5879.3
VP 32	-		-	+5.0		+5.0	5902.2	5897.2	
Sta 32	650		89°30'	9.0	+5.7	-3.3		5898.9	89° - 14.7' 24 = 5897.4 Tie 1, 3

5876.9  
76.9  
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5897.4

**SURVEY NOTES**

GEO-49

*Geographic Line*

6

DATE <i>Jan 28 - 1977</i>	INSTRUMENT MAN <i>SHULTZ</i>		ROD MAN		PARTY NUMBER <i>6841</i>	PAGE <i>5</i>
AREA <i>Socorro</i>	LINE # <i>4</i>	PL. TABLE SHEET NO.	STATE <i>NM</i>	COUNTY <i>SOCORRO</i>	TWP <i>4-S</i>	RANGE <i>2-W</i>

STATION NO.	DISTANCE	BEARING	Bearman or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
<del>41</del>	<del>880</del>	<del>"</del>	<del>TH</del>	<del>5.7</del>			5860.1		
41	440	"	TH	5.7	+2.2	-3.5		5856.6	
42	0	-	-	5.0		-5.0		5855.1	
43	440	172°48'	BH	14.3	-4.4	-18.7		5841.4	
44	880	172°48'	99°0'	14.2	-18.0	-32.2		5827.9	0
<del>BS</del>	720	353°14'	91°30'	12.4	+18.9	+31.3	5859.2		BS
45	285	"	97°00'	13.6	-34.5	-48.1		5811.1	
4	0	+	-	5.0		-5.0		5854.2	
46	150	173°05'	89°0'	4.0	+2.6	-1.4		5857.8	
47	590	173°05'	88°20'	14.6	+17.2	+2.6		5861.8	0
BS	1760	352°15'	91°02'	14.4	+31.7	+46.1	5907.9		BS
48	1320	"	91°04'	14.4	-24.6	-39.0		5868.9	
49	880	"	92°-	10.7	-30.7	-41.4		5866.5	
50	440	"	92°30'	13.6	-19.2	-32.8		5875.1	in low drainage -4.041
51	0	+	-	5.0		-5.0		5902.9	
52	440	172°08'	BH	13.8	-2.2	-16.0		5891.9	
53	880	"	90°30'	14.9	-7.7	-22.6		5885.3	
54	1320	"	BH	10.4	-6.6	-17.0		5890.9	
55	1760	"	-	12.2		-12.2		5895.7	
56	2200	172°08'	-	14.2		-14.2		5893.7	0

**SURVEY NOTES**

GEO-49

*Geopline line*

7

DATE <i>Apr 31 1977</i>	INSTRUMENT-MAN <i>SHULTZ</i>		ROD MAN <i>SAYLER</i>		PARTY NUMBER <i>601</i>	PAGE <i>6</i>
AREA <i>Sacramento</i>	PL. TABLE SHEET NO. <i>WINE #4</i>		STATE <i>W.M.</i>	COUNTY <i>Sacramento</i>	TWP <i>4-5</i>	RANGE <i>2-W</i>

STATION NO.	DISTANCE	BEARING	Bearing or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
								5893.7	
B5 to 56	1078	35°58'	±	13.3	+8.2	21.5	5915.2		B5
57	1190	"	91°	4.2	-20.7	24.9		5890.3	
58	958	"	91°	13.0	-13.1	26.1		5889.1	
59	310	"	92°05'	13.2	-10.8	24.0		5891.2	
TA	0	+	-	5.0		-5.0		5910.2	29+310
60	130	171°49'	93°00'	15.1	-6.8	21.9		5893.3	
61	570	"	94°20'	13.8	-42.9	56.7		5858.5	
62	1005	"	-	8.8		-8.8		5906.4	
63	1435	171°49'	184	13.1	-7.2	20.3		5894.9	63
B5	744	352°06'	89°	+5.0	-12.9	-7.9	5887.0		B5
64	315	"	99°30'	13.6	-51.4	65.0		5822.0	in low canyon
26 + 27	4450	330°56'	95°00'	12.9	-38.7	51.6		5835.4	4 corner of 26 + 27
T	0	+	-	5.0		-5.0		5882.0	
65	125	173°03'	89°	3.0	+2.2	-0.8		5886.2	
66	565	173°03'	89°30'	10.4	+4.9	5.5		5881.5	66
B5	1100	352°46'	88°30'	11.8	-28.8	17.0	5864.5		B5 5864.5 ✓
67	660	"	89°20'	14.4	+7.7	-6.7		5857.8	
68	220	"	-	13.5		-13.5		5857.0	Sta 68 is 241 feet north of S-W Rd
G B 1/2	0		-	5.0		-5.0		5859.5	
69	220	91°	91°	14.6	-3.8	-18.4		5846.1	69 5846.1 ✓

*Geopline line*  
*Dr. Field*

Sta 68 is 241 feet north of S-W Rd

# SURVEY NOTES

GEO-49

*Section Line*

8

DATE		INSTRUMENT MAN			ROD MAN		PARTY NUMBER		PAGE		
Feb-12 1977		STUCK			SALVER		6841		7		
AREA		LINE #		PL. TABLE SHEET NO.		STATE		COUNTY		TWP. RANGE	
SOCORRO		# 4				N.M.		SOCORRO		4E5-5 2-W	
STATION NO.	DISTANCE	BEARING	Bearman or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS		
69								5846.1	0		
B5	1755	350°39'	87°50'	+3.5	-66.3	+62.8	5783.3		B5		
70	1320	"	89°	9.5	+23.0	+13.5		5796.8			
71	880	"	89°20'	10.9	+10.2	-0.7		5782.6			
72	440	"	TH	1.6	+2.2	+0.6		5783.9			
73	0	+	-	5.0		-5.0		5778.3			
74	440	173°02'	-	10.0		-10.0		5773.3			
75	880	"	89°	3.4	+15.3	+11.9		5795.2			
0 76	1320	173°52'	89°	11.5	+23.0	+11.5		5794.8	0		
B5	1320	354°09'	88°40'	+9.9	-30.8	-22.9	5771.9		B5		
77	1380	348°42'	88°40'	3.1	+32.2	+29.1		5801.0	1/4 Corner 345°35' 5851.		
78	880	354°09'	89°00'	0.4	+15.3	+14.9		5786.8			
79	440	"	94°	13.9	-30.4	-44.5		5727.4	2" drainage in low		
80	0	+	-	5.0		-5.0		5766.9			
80	440	171°34'	-	8.1		-8.1		5763.8	0 To next B.C. 1320		
B5	2060	"	87°44'	+13.9	-81.4	-67.5	5696.3		B5 5696.3		
81	1620	"	87°50'	11.0	+61.2	+50.2		5746.5			
82	1180	171°34'	87°50'	5.5	+44.4	+39.1		5725.4			
82	1340	348°49'	87°24'	13.9	+60.7	+46.8		5743.1	B5 34/35 5743.1		
83	740	171°34'	87°40'	15.1	+30.1	+15.0		5711.3	Hirod - 7.0		
84	300	"	89°	4.4	+5.2	+0.8		5697.1			

SURVEY NOTES

GEO-49

*Telephone Line*

*Line # 4*

*9*

DATE <i>Feb 1st 77</i>	INSTRUMENT MAN <i>SHULTZ</i>		ROD MAN		PARTY NUMBER <i>6841</i>	PAGE <i>8</i>
AREA <i>Socorro</i>	LINE # <i>4</i>	PL. TABLE SHEET NO.	STATE <i>NM</i>	COUNTY <i>Socorro</i>	TWP <i>5-5</i>	RANGE <i>2-W</i>

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							<i>5696.3</i>		
<i>84</i>	<i>300</i>	<i>0</i>	<i>+</i>	<i>-</i>	<i>-5.0</i>	<i>-5.0</i>		<i>5691.3</i>	
<i>85</i>	<i>140</i>	<i>171°34'</i>	<i>95°</i>	<i>14.1</i>	<i>-12.2</i>	<i>-26.3</i>		<i>5670.0</i>	
<i>86</i>	<i>580</i>	<i>171°34'</i>	<i>87°</i>	<i>9.8</i>	<i>+30.3</i>	<i>+20.5</i>		<i>5716.8</i>	
<i>86 1/2</i>	<i>800</i>	<i>171°34'</i>	<i>86 1/2</i>	<i>6.1</i>	<i>+45.0</i>	<i>+38.9</i>		<i>5735.2</i>	<i>⊙</i>
<i>BS</i>	<i>560</i>	<i>350°40'</i>	<i>89°</i>	<i>+0.4</i>	<i>-9.7</i>	<i>-9.3</i>	<i>5725.9</i>		<i>BS</i>
<i>87</i>	<i>340</i>	<i>"</i>	<i>-</i>	<i>13.6</i>		<i>-13.4</i>		<i>5712.3</i>	
<i>87 3/4</i>	<i>0</i>	<i>+</i>	<i>-</i>	<i>5.0</i>		<i>-5.0</i>		<i>5720.9</i>	
<i>88</i>	<i>100</i>	<i>172°02'</i>	<i>-</i>	<i>13.3</i>		<i>-13.3</i>		<i>5712.6</i>	
<i>89</i>	<i>540</i>	<i>"</i>	<i>95°</i>	<i>10.4</i>	<i>-46.9</i>	<i>-57.3</i>		<i>5668.6</i>	
<i>90</i>	<i>980</i>	<i>"</i>	<i>93°30'</i>	<i>8.7</i>	<i>-59.7</i>	<i>-68.4</i>		<i>5657.5</i>	
<i>91</i>	<i>420</i>	<i>"</i>	<i>93°</i>	<i>7.1</i>	<i>-74.3</i>	<i>-81.4</i>		<i>5644.5</i>	
<i>92</i>	<i>1860</i>	<i>"</i>	<i>92°10'</i>	<i>12.5</i>	<i>-70.3</i>	<i>-82.8</i>		<i>5643.1</i>	<i>⊙</i>
<i>BS</i>	<i>1760</i>	<i>"</i>	<i>90°37'</i>	<i>14.7</i>	<i>+19.0</i>	<i>+33.7</i>	<i>5676.8</i>		<i>BS 5676.8</i>
<i>93</i>	<i>1320</i>	<i>"</i>	<i>90°46'</i>	<i>13.4</i>	<i>-15.3</i>	<i>-28.7</i>		<i>5648.1</i>	
<i>94</i>	<i>880</i>	<i>"</i>	<i>-</i>	<i>12.2</i>		<i>-12.2</i>		<i>5664.6</i>	<i>5664.6</i>
<i>95</i>	<i>440</i>	<i>"</i>	<i>-</i>	<i>10.8</i>		<i>-10.8</i>		<i>5666.0</i>	
<i>96</i>	<i>0</i>	<i>+</i>	<i>-</i>	<i>5.0</i>		<i>-5.0</i>		<i>5671.8</i>	
<i>97</i>	<i>440</i>	<i>"</i>	<i>"</i>	<i>3.6</i>		<i>-3.6</i>		<i>5673.2</i>	
<i>98</i>	<i>880</i>	<i>"</i>	<i>"</i>	<i>1.7</i>		<i>-1.7</i>		<i>5675.1</i>	
<i>99</i>	<i>1320</i>	<i>"</i>	<i>"</i>	<i>13.9</i>		<i>-73.7</i>		<i>5663.1</i>	<i>⊙ 5663.1</i>

**SURVEY NOTES**

GEO-49

*Geophane Line*

10

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		PAGE	
<i>Feb-1st 77</i>		<i>Shultz</i>		<i>S - Salver</i>		<i>6541</i>		<i>9</i>	
AREA		PL. TABLE SHEET NO.		STATE		COUNTY		TWP	
<i>Socorro Line</i>		<i>4</i>		<i>N.M.</i>		<i>Socorro</i>		<i>5-5</i>	
STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
<i>99</i>		<i>172°02'</i>						<i>5663.1</i>	<i>99</i>
<i>B5</i>	<i>880</i>	<i>352°08'</i>	<i>91°10'</i>	<i>+13.3</i>	<i>+18.0</i>	<i>+31.3</i>	<i>5694.4</i>		<i>As 5694.4</i>
<i>'00</i>	<i>440</i>	<i>—</i>	<i>93°—</i>	<i>14.9</i>	<i>-23.0</i>	<i>-37.9</i>		<i>5656.5</i>	
<i>191</i>	<i>0</i>	<i>—</i>	<i>—</i>	<i>-5.0</i>		<i>-5.0</i>		<i>5689.4</i>	<i>last. Geophane Sta</i>
<del><i>191</i></del>	<i>250</i>	<i>172°08'</i>	<i>88°—</i>	<i>4.2</i>	<i>+8.7</i>	<i>+4.5</i>		<i>5698.9</i>	<i>Grand Boundary Line</i>
<i>□</i>	<i>260</i>	<i>191°33'</i>	<i>86°30'</i>	<i>7.3</i>	<i>+15.8</i>	<i>+8.5</i>		<i>5702.9</i>	<i>PILE OF Rocks (Budy?)</i>
<i>VP/101</i>	<i>630</i>	<i>262°08'</i>	<i>86°50'</i>	<i>-14.3</i>	<i>+34.8</i>	<i>+20.5</i>		<i>5712.9</i>	<i>VP/101. The offset 630' west</i>
									<i>see last page for file notes</i>

**SURVEY NOTES**

GEO-49

*11B 'LINE' - offset from Sed line*

DATE <i>Jan 29 1977</i>	INSTRUMENT MAN <i>Shultz</i>		ROD MAN		PARTY NUMBER <i>6841</i>	PAGE <i>1</i>
AREA <i>Socorro</i>	<i>LINE # 4</i>	PL. TABLE SHEET NO.	STATE <i>NM</i>	COUNTY <i>Socorro</i>	TWP	RANGE

STATION No.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
<i>R</i> <i>Geophone Sta. # 11</i>								<i>5996.1</i>	<i>see page # 2 of Geophone survey</i>
<i>Geo #</i>								<i>5996.1</i>	<i>Geo Sta</i>
BS	600		9140	+14.8	+17.5	32.3	6026.4		
VP 3	440	<i>Direct</i> 166°26'		-12.7		-12.7		6013.7	VP START of Vlp offset
VP 4	0	166°26'	-	4.8		-4.8		6021.6	VP
VP 5	440	166°26'	-	10.1		-10.1		6016.3	VP
VP 6	880	"	91°00'	14.6	-15.3	-29.9		5996.5	VP
7	1320	"	91°00'	14.8	-23.0	-37.8	15.2	5981.2	VP IN Low valley - 7.4 Hi Rod
8	1760	"	90°20'	14.1	-10.2	-24.3		6002.1	VP
9	2200	"	90°26'	14.3	-16.7	-31.0		5995.4	VP 0
BS	1760	"	89°00'	+8.6	-30.6	-22.0	5993.4		BS
10	1320	"	89°00'	13.5	-23.0	-36.5	45.6	5927.8	VP Hi Rod - 9.1
11	880	"	89°30'	14.7	+7.7	-7.0		5966.4	VP *
12	440	"	-	7.8		-7.8		5965.6	VP
13	0	"	-	5.0		-5.0		5968.4	VP
14	440	"	-	13.7		-13.7		5959.7	VP 460' from line west
14 1/2	660	166°26'	91°00'	10.0	-11.5	-21.5		5951.9	VP 0 14 1/2
BS	1597	329°14'	88°30'	+4.4	-41.8	-37.4	5914.5		BS
15	1350	"	-	6.0		-6.0		5908.5	VP 360' from line west
16	917	326°00'	93°-	11.8	-48.0	-59.8		5854.7	VP 330' from line west
GATE	720	320°20'	95°-	4.7	-62.5	-67.2		5847.3	VP fence line

*all angles from line*  
*11B*

**SURVEY NOTES**

GEO-49

VIB' WINE - Line #4

12

DATE		INSTRUMENT MAN			ROD MAN		PARTY NUMBER		PAGE		
Jan 29 1977		Shurtz					6841		2		
AREA		LINE#		PL. TABLE SHEET NO.		STATE		COUNTY		RANGE	
Socorro		4				NM		Socorro			
STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS		
							5914.5				
17	465	322°41'	88°	11.5	-64.1	-75.6		5838.9	VP	205' from Sec line (west)	
	375	324°04'	190°	9.9	-64.1	-74.0		5840.5		Rd to ranch house	
18	0	—	—	5.0		-5.0		5909.5	VP	88 feet from line west	
Geo 18	58	72°40'	89°	1.0	+1.5	+0.5		5915.0	VP	line	
⊙	433	254°10'	253°	10.1	+31.4	+21.3		5935.8	⊙	shorter on to power line	
BS	1780	353°44'	91°12'	14.3	+37.2	+51.5	5987.3		BS		
19	1350	357°31'	92°10'	12.1	-51.0	-63.1		5924.2	VP	521' from Sec line west	
20	1020	13°35'	97°	8.5	-123.4	-131.9		5855.4	VP	400' " " " (west)	
21	550	284°7'	99°04'	14.7	-85.6	-100.3		5887.0	VP	" " " "	
22	0	—	—	5.1		-5.1		5982.2	VP	551' from Sec line (west)	
data	253	191°07'	81°	10.8	+39.1	+28.3		6015.6			
23	380	180°40'	84°	12.3	+39.5	+27.2		6014.5	VP	600' from Sec line (west)	
24	865	148°25'	89°	0.5	+15.1	+14.6		6001.9	VP	1771' from Sec line west	
BS 25	1100	349°29'	95°16'	14.9	+98.7	+113.6	6115.5		BS		
25	660	352°35'	97°	14.7	-79.9	-94.6		6020.9	VP	780' " " " "	
26	220	"	93°	14.0	-11.5	-25.5		6090.0	VP	530' " " " "	
26 1/2	0	—	—	5.1		-5.1		6110.4			
⊙ 27	220	155°45'	89°	6.0	+3.8	-2.2		6113.2	⊙	531' " " " "	
BS	2640	351°47'	86°00'	11.9	-783.7	-75.8	5937.5		BS	5937.5	
28	2250	356°31'	87°26'	4.4	+104.6	+100.2		6042.1	VP	520' " " " "	

**SURVEY NOTES**

GEO-49

*VPB Offset line - Line #4 13*

DATE <i>Jan 29 - 1977</i>	INSTRUMENT MAN <i>Shultz</i>	ROD MAN <i>SALGER</i>	PARTY NUMBER <i>6841</i>	PAGE <i>3</i>
AREA <i>Socorro</i>	WINE# <i>4</i>	PLATABLE SHEET NO.	STATE <i>NM</i>	COUNTY <i>Socorro</i>
			TWP	RANGE

STATION NO.	DISTANCE	BEARING	Begun or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
29	1780	03°55'	—	5.5		-5.5	<u>5937.5</u>	<u>5934.4</u>	<i>VP29</i>
30	1330	35°30'	—	13.3		-13.3	<u>5939.9</u>	<u>5926.6</u>	<i>VP</i>
31	880	351°56'	BH	14.0	-4.4	-18.4		<u>5919.1</u>	<i>VP</i>
32	440	"	94°	12.1	-30.6	-42.7		<u>5897.2</u>	<i>VP</i>
33	0	"	—	5.2		-5.2		<u>5897</u>	<i>VP</i>
34	440	171°40'	—	6.6		-6.6		<u>5933.3</u>	<i>VP</i>
35	880	"	—	10.7		-10.7		<u>5929.2</u>	<i>VP</i>
36	1320	"	88°40'	6.8	+30.8	+24.0		<u>5963.9</u>	<i>VP</i>
BS	1770	"	87°46'	6.7	-72.0	-65.3	<u>5898.6</u>		<i>BS</i>
37	1320	"	88°40'	6.2	+30.8	+24.6		<u>5923.2</u>	<i>VP</i>
38	880	"	89°	14.2	+15.7	+1.1		<u>5899.7</u>	<i>VP</i>
39	448	"	89°30'	2.0	+3.8	+1.8		<u>5900.4</u>	<i>VP</i>
40	0	"	—	5.2		-5.2		<u>5893.4</u>	<i>VP</i>
41	440	"	—	12.1		-12.1		<u>5886.5</u>	<i>VP</i>
42	880	"	BH	14.7	-4.4	-19.1		<u>5879.5</u>	<i>VP</i>
43	1320	"	91°00'	13.7	-23.0	-36.7		<u>5861.9</u>	<i>VP</i>
<del>44</del>	<del>1760</del>	<del>"</del>	<del>91°</del>	<del>11.6</del>					<del>VP</del>
BS	1740	322°54'	90°32'	14.2	+16.3	+30.5	<u>5892.4</u>		<i>BS</i>
44	1320	"	91°00'	10.8	-30.8	-41.6		<u>5850.8</u>	<i>VP</i>
45	890	337°24'	90°50'	14.6	-12.9	-27.5		<u>5864.9</u>	<i>VP</i>

*VP29 1175' west of 29*  
*VP 43*  
*VP 45*

36

43

90.0

# SURVEY NOTES

GEO-49

VIB LINE OFFSET FROM CABLE 14

DATE JAN 31 1977	INSTRUMENT MAN Shult	ROD MAN	PARTY NUMBER 6841	PAGE 4
AREA SOCORRO LINE # 4	PL. TABLE SHEET NO.	STATE N.M.	COUNTY SOCORRO	TWP
				RANGE

STATION NO.	DISTANCE	BEARING	Begun or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5892.4		
46	440	352°54'	92°00'	11.1	-15.4	-26.5		5865.9	VP
47	0	"	-	5.0		-5.0		5885.0	VP
47	690	81°48'	91°30'	13.2	-18.1	-31.3		5861.1	VP copy of description of Sta 47 to 50
48	440	172°28'	TH	-1.2	+2.2	+1.0		5893.4	VP
49	880	"	79°	7.6	+15.3	+7.7		5900.1	VP
50	1320	"	89°20'	8.5	+15.3	+6.8		5899.2	VP
BS 51	1760	172°28'	88°30'	12.4	+35.9	+23.5		5915.9	0
BS	1760	352°24'	87°30'	+14.0	-5.1	+8.9	5924.8		BS 5922.4
52	1320	"	-	0.9		-0.9		5923.9	VP
53	880	"	-	14.4		-14.4		5910.4	VP
54	440	"	-	10.0		-10.0		5914.8	VP
55	0	-	-	5.0		-5.0		5919.8	VP
56	440	171°32'	-	5.4		-5.4		5919.4	VP
57	880	171°32'	-	8.1		-8.1		5916.7	0
BS	1090	351°43'	90°30'	+14.8	+9.5	+24.3	5941.0		BS 5938.6
58	650	"	91°40'	14.1	-18.9	-33.0		5908.0	VP
59	260	"	-	13.5		-13.5		5927.5	VP
7	0	-	-	5.0		-5.0		5936.0	
60	230	171°35'	97°	13.8	-12.0	-25.8		5915.2	VP



**SURVEY NOTES**

GEO-49

*Vib line 599 feet from Geophone line 16 to west*

DATE Feb-1st 1977	INSTRUMENT MAN Shulte		ROD MAN Saluph		PARTY NUMBER 6841	PAGE 6
AREA SOCORRO - Line #4	PL. TABLE SHEET NO.	STATE N. M.	COUNTY SOCORRO	TWP 4S 5-5	RANGE 2-W	

STATION NO.	DISTANCE	BEARING	Beamman or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
VP 73								5816.8 VP	5814.4
BS	1320	35°20'	TH	+11.0	-6.6	+4.4	5821.2		5818.8
VP 74	880	"	TH	10.5	+4.4	-6.1	5817.1	5804.1 VP	Hi Rod -11.0
VP 75	440	"	TH	2.7	+2.2	-0.5		5820.7 VP	
VP 76	0	-	-	5.0		-5.0		5816.2	
<del>570</del>									
1/34+35	570	75°26'	91°	11.2	-9.9	-21.1		5800.1	5797.7 5801.0
VP 76	1140		91°	14.9	-9.0	-23.9		5797.3 VP	91°
VP 77	890		92-	10.4	-31.1	-41.5		5779.7	3.0
78	1330		91°	6.4	-23.1	-29.5		5791.7	
<del>BS</del>									
VP 79	1770		91°	10.3	-30.8	-41.1		5780.1	
<del>BS</del>									
VP 80	2210	172°14'	91°	13.7	-38.5	-52.2		5769.0	0
BS	975	"	88°30'	+4.9	-25.5	-20.6	5748.4		BS
VP 81	540	"	88°30'	14.0	+11.0	-3.4		5745.0	T-4.5
VP 82	100	"	-	0.1		-0.1		5748.3 T-5.5	670' west of Geo line
A	0	"	-	5.0		-5.0		5743.4	TWP-5-5
VP 83	345	"	97°	11.4	-41.7	-53.1		5695.3	650' west of Geo line
VP 84	800	"	93°10'	14.6	-44.2	-58.8		5689.6	630' " " "
VP 85	1220		BH	10.1	-6.1	-16.2		5732.2	670' " " "

