

SURVEY NOTES

GEO-49

DATE		INSTRUMENT MAN			ROD MAN		PARTY NUMBER		PAGE	
DEC 7 th 1976		SHULTZ					6841		1 of 25	
AREA		REL. TABLE SHEET NO.			STATE		COUNTY		RANGE	
SOCORRO LINE # 2					NEW MEX.		SOCORRO		25	
STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS	
B.M.								5177.	Hwy bearing 0.5 on Hwy 60 B.M. ON CULVERT	
BS	164.0	77°44'		4.8		+4.8	5181.8	BS	+8°35' TO BE ADDED TO ALL AZMUTHS	
0	1505	257°25'	BH	-13.2	-7.5	-20.7		5161.1	0	5161.1
BS	2520	52°33'	TH	+12.1	-12.6	-0.5	5160.6	BS	5160.6	
Hwy 60	1210	14°25'		7.0		-7.0		5153.6	5153.6 SR	
1	880	"		9.4		-9.4		5157.2		
2	440	"		8.8		-8.8		5151.8		
3	0			5.0		-5.0		5155.6		
Tower	2	259°21'							Hwy from 1 to 3 to tower	
4	440	194°56'		2.4		-2.4		5158.2		
5	880	"		5.7		-5.7		5154.9		
0	1320	194°56'		12.1		-12.1		5148.5	0	
BS	2200	"	TH	+7.8	-11.0	-3.2	5145.3	BS		
7	1960	"	TH	9.0	+8.8	-1.2		5144.1		
8	1320	"		3.5		-3.5		5141.8		
9	880	"		8.0		-8.0		5137.3		
10	440	"		8.9		-8.9		5136.4		
11	0	"		5.0		-5.0		5140.3		
12	440	"		5.4		-5.4		5139.9		

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DATE		INSTRUMENT MAN		ROD-MAN		PARTY NUMBER		PAGE	
AREA		PL. TABLE SHEET NO.		STATE		COUNTY		RANGE	
STATION NO.	DISTANCE	BEARING	Beaman or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5145.3		
13	880	194°36'	-	5.4		-5.4		5139.9	
14	1320	"	-	12.4		-12.4		5132.9	
① 15	1760	"	78°26'	14.6	-3.0	-17.6		5127.7	0
BS	2200	"	90°01'	14.8	+0.7	15.5	5143.2		BS 5143.2
16	1760	"	-	10.2		-10.2		5133.0	
① 17	1380	"	-	10.0		-10.0		5133.2	
17	1320	"	-	6.8		-6.8		5136.4	
18	880	"	-	3.0		-3.0		5140.2	
19	440	"	-	5.0		-5.0		5138.2	
20	0	"	-	5.0		-5.0		5138.2	
① 21	440	"	-	8.4		-8.4		5134.8	0
22	880	"							
BS	2640	"	BH	+3.9	+13.2	+17.1	5151.9		BS 5151.9
S-Wdence	2190	"	BH	8.0	-11.0	-19.0		5132.9	hence line
22	2200	"	BH	8.0	-11.0	-19.0		5132.9	on wild life Refuge
23	1760	"	BH	-6.7	-8.8	-15.5		5136.4	
24	1320	"	-	11.8		-11.8		5140.1	
25	880	"	-	9.9		-9.9		5142.0	
26	440	"	-	7.2		-7.2		5144.7	
27	0	"	-	5.0		-5.0		5146.9	

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DATE Dec 8 - 1976	INSTRUMENT MAN Shultz	ROD MAN	PARTY NUMBER 6841	PAGE 3
AREA LINE 2-A	PL. TABLE SHEET NO.	STATE New Mex	COUNTY	TWP
				RANGE

STATION NO.	DISTANCE	BEARING	Beam on or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
78	440	174°56'	-	2.0		-2.0	5151.9	5149.9	on US Wild & Life area
29	880	"	TH	3.6	+4.4	+0.8		5152.7	
30	1320	"	TH	-1.5	+6.6	+5.1		5157.0	
31	1760	"	89°30'	8.2	+15.3	+7.1		5159.0	
32	2200	"	89°30'	9.6	+19.1	+9.5		5161.4	BS
33	2640	"	90°04'	13.7	+3.2	+16.9	5178.3	BS	5161.4
33	2200	"	-	13.7		-13.7		5164.6	
34	1760	"	-	10.5		-10.5		5167.8	
35	1320	"	-	8.2		-8.2		5170.1	
36	880	"	-	7.6		-7.6		5170.7	
37	440	"	-	6.5		-6.5		5171.8	
38	0	"	-	5.0		-5.0		5173.3	
39	440	"	-	2.2		-2.2		5176.1	
40	880	"	TH	3.3	+4.4	+1.1		5179.4	
41	1320	"	TH	2.7	+6.6	+3.9		5182.2	
42	1760	"	TH	3.4	+8.8	+6.4		5184.7	
43	2200	"	89°30'	9.7	+19.1	+9.4		5189.7	BS
BS	2640		BH	5.1	+13.2	+18.3	5206.0	BS	14°39' 5206.0
44	2200	"	BH	4.7	-11.0	-15.7		5190.3	in field
45	1760	"	BH	5.8	+8.8	+14.6		5191.4	on good road

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LINE #2

DATE Dec 7-76	LINE-2	INSTRUMENT MAN STULL	ROD.MAN STOLL	PARTY NUMBER 6841	PAGE 4
AREA Scorr 0	L-2-A	PL. TABLE SHEET NO.	STATE N. Mex	COUNTY Scorr 0	TWP RANGE

STATION NO.	DISTANCE	BEARING	Bearing or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5206.0		
46	1320	"	-	13.3		-13.3		5192.7	on good road
47	880	"	-	12.0		-12.0		5194.0	"
48	440	"	-	9.0		-9.0		5197.0	
49	0	"	-	5.0		-5.0		5201.0	↓
50	440	"	-	3.2		-3.2		5202.8	
51	880	"	-	1.5		-1.5		5204.5	
52	1320	"	TH	4.3	+6.6	+2.3		5208.3	
53	1760	"	TH	1.6	+8.8	+7.2		5213.2	
① 54	2200	"	89°30'	6.2	+19.1	+12.9		5218.9	0
B5	1760	"	BH	+10.4	+8.8	+19.2	5238.1		B5
55	1320	"	-	13.0		-13.0		5225.1	
56	880	"	-	11.2		-11.2		5226.9	
57	440	"	-	8.3		-8.3		5229.8	
58	0	"	-	5.0		-5.0		5233.1	
59	440	"	-	0.4		-0.4		5237.7	
60			89°30'	3.4					
① 60	880	"	89°30'	2.4	+7.7	+5.3		5243.4	0 5243.4 OK

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GEO-49

DATE: Dec 8, 1976 LINE 2 INSTRUMENT MAN: Shultz ROD MAN: R. Stoll PARTY NUMBER: 6841 PAGE: 5
 AREA: Scarro LINE-2 STATE: New Md COUNTY: Scarro TWP: RANGE:

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
① 60		196°56'						5243.4	① 60 5243.4 OK
B.S	2200	10° "	BV	+10.2	+11.0	+21.2	5264.6	B.S	
61	1760	"	BH	9.8	-8.8	-18.6		5246.0	
62	1320	"	BH	8.6	-6.6	-15.2		5249.4	
63	880	"	-	11.4		-11.4		5253.2	
64	440	"	-	7.7		-7.7		5256.9	
65	0	"	-	5.0		-5.0		5259.6	
66	440	"	TH	3.4	+2.2	+1.2		5263.4	
67	880	"	TH	1.0	+4.4	+3.4		5268.0	
68	1320	"	89°00'	14.8	+23.0	+8.2		5272.8	
① 69	1760	"	89°20'	12.6	+20.4	+7.8		5272.4	①
B.S	2200	196°56'	90°04'	+14.6	+2.6	+17.2	5289.6	B.S	
70	1760	"	BH	6.0	-8.8	-14.8		5274.8	
71	1320	"	-	12.6		-12.6		5277.0	
72	880	"	-	10.4		-10.4		5279.2	
73	440	"	-	7.6		-7.6		5282.0	
74	0	"	-	5.0		-5.0		5284.6	
75	440	190°50'	-	3.0		-3.0		5286.6	
76	880	"	-	1.2		-1.2		5288.4	
77	1320	"	TI	5.0	+6.6	+1.6		5291.2	
① 78	1760	"	TH	1.6	+8.8	+7.2		5296.8	① 5296.8 OK

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DATE Dec 8, 1976 INSTRUMENT MAN SHULTZ ROD MAN R-Stoll PARTY NUMBER 0801 PAGE 7
 AREA Scorpio LIND # 2-18 L. TABLE SHEET NO. STATE TX COUNTY Scorpio TWP RANGE

STATION NO.	DISTANCE	BEARING	Bearing or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
65	2200	^{Dir. 82} 120°50'	93°06'	+12.0	+3.7	+17.7	5314.5	5	135 to 78 5314.5
79	1760	"	-	11.7		-11.7		5302.8	
70	1370	"	-	10.7		-10.7		5303.8	
81	880	"	-	9.0		-9.0		5305.5	
82	440	"	-	7.6		-7.6		5306.9	
83	0	"	-	5.0		-5.0		5309.5	
84	440	"	74	8.9	+2.2	+0.7		5315.2	
85	880	"	89°00'	10.5	+15.3	+4.8		5319.3	
86	1320	"	89°20'	8.8	+15.3	+6.5		5321.0	
87	1760	"	89°20'	11.7	+20.4	+8.7		5323.2	
85	2533	"	95°30'	+13.8	+22.0	+35.8	5363.5	135	5323.2
88	2093	"	95°30'	13.9	-18.2	-31.9		5331.6	
89	1653	"	95°30'	15.2	-14.4	-26.4		5337.1	
70	1213	"	BH	13.8	-6.1	-18.9		5344.6	
91	773	"	-	12.5		-10.5		5353.0	
92	483	"	-	7.5		-7.5		5356.0	
92	333	194°50'	-	5.8		-5.8		5357.7	
93	0	-	-	5.0		-5.0		5358.5	
93	107	193°55'	-	10.4		-10.4		5353.1	
94	987		93°00'	14.6					
95	987		93						

RMS

5323.2

⊙

5357.0 HI corrected

335 b.
 3351.3
 the -4.5

2 adjacent to 914

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Line 2.

DATE Dec 8 th 1976	INSTRUMENT MAN SHULTZ	ROD MAN R-Stoll	PARTY NUMBER 6861	PAGE 8
AREA SCOTTO	LINE # 27	PL. TABLE SHEET NO.	STATE New Mexico	COUNTY SCOTTO
TWP	RANGE			

STATION NO.	DISTANCE	BEARING	Bearman or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5363.5		
94	547	193°55'	92°40'	13.1	-25.4	-38.5		5325.0	
95	987	"	93°00'	14.6	-51.6	-66.2		5297.3	
0 96	1127	193°55'	92°40'	14.4	-66.4	-80.8		5282.7	5298.2
BS	2200	194°14'	180°	14.3	-72.8	-58.5	5224.2	5224.2	BS
97	1760	"	88°30'	3.6	+46.1	+42.5		5266.7	
98	1320	"	88°30'	11.0	+34.6	+23.6		5247.8	
99	880	"	88°30'	5.0	+23.1	+18.1		5242.3	
100	440	"	89°00'	1.9	+7.7	+5.8		5230.0	
101	0	"	-	5.0	-	-5.0		5219.2	
102	440	191°29'	-	10.8	-	-10.8		5213.8	
103	880	"	-	12.0	-	-12.0		5212.2	
Creep	1180	"	-	-	-	-			Creep bed
0 104	1320	"	-	10.2	-	-10.2		5214.0	in field to be offset for 1/16.5
BS									
0 105	1760	192°29'	TH	10.1	+8.8	-1.3		5222.9	back on road
BS	1320	192°54'	94°06'	14.5	+94.1	+108.6	5331.5	5331.5	BS Direct Brng
106	880	"	95°30'	11.1	-83.9	-95.0		5236.5	in field - to be offset for 1/16.5
X V X	545	"	97°00'	10.3	-65.9	-76.2		5255.3	S-W fence line
107	440	"	98°00'	12.2	-60.6	-72.8		5258.7	
108	0	"	-	5.0	-	-5.0		5226.5	

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DATE Dec 8th 1976	INSTRUMENT MAN SILVER	ROD MAN R. Stoll	PARTY NUMBER 6841	PAGE 9
AREA Scorro	LINE 2-A	STATE N.M.	COUNTY Scorro	TWP RANGE

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
105							5331.5		
108	57	192°54'	82°00'	-14.6	-2.0	-16.6		5314.9	line crosses rd here
VP-108	60	192°54'		-11.8		-11.8		5326.5	
108 1/2	728	191°53'	77°00'	5.7	+50.0	+44.3		5319.7	VP 108 set to SE
P.S	117	195°20'		+5.4		+5.4	5381.2		P.S
108 3/4	0			-5.0		-5.0		5376.2	
109	105	186°09'	100°00'	-14.9	-18.0	-32.9		5348.3	
110	140	"							line crosses rd here
110	556	"	101°00'	-8.6	-104.1	-112.7		5268.5	
111	986	86°09'	96°30'	10.8	-110.9	-121.7		5259.5	line back on road
112	1430	180°49'	95°00'	12.8	-128.8	-141.6		5239.6	
B.S	1760	189°08'	91°06'	+14.0	+33.8	+47.8	5287.4		
113	1320	"	91°30'	13.8	-30.8	-44.6		5242.8	on back road
114	880	"	92°00'	13.2	-30.7	-43.9		5243.5	Back in field
115	440	"	92°01'	15.0	-15.5	-30.5		5256.9	"
116	0			-5.0		-5.0		5282.4	"
116 235	235	193°39'	88°00'	13.0	+8.2	-4.8		5282.6	"
B.S	860	175°53'	87°00'	+8.3	-45.0	-36.7	5245.9		17°53' 53" 11" 5241.4
117	660	"	89°00'	4.8	+11.5	+6.7		5253.6	"
118	220	"		12.3		-12.3		5233.6	" in field

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VP OFFSETS LINE # 2

DATE DEC 1976	INSTRUMENT MAN Shultz	ROD MAN	PARTY NUMBER 6841	PAGE 10
AREA Scorro	LINE # 2-A	PL. TABLE SHEET NO.	STATE N-Mex	COUNTY Scorro
			TWP	RANGE

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
①117	0	-	-	+5.0		+5.0	5257.6	5252.6	
VP-117	410	L Rte	88°00'	-6.7	+74.3	+7.6		5265.2	VP offset to E on Road
①118	0	-	-	+5.0		+5.0	5238.6	5233.6	
①	280		78°00'	-3.1	+57.0	+53.9		5292.5	①
BS	18								BS
BS	0			+4.8		+4.8	5297.4		
VP-118	180		96°00'	14.5	-18.7	-33.2		5264.2	VP 118 on Rd with SE
①119	0	-	-	+5.0		+5.0	5233.0	5228.0	
①	470	L Rte	87°00'	0.5	+24.6	+24.1		5257.1	①
BS	0			+5.0		+5.0	5262.1		BS
VP-119	440	WSE	93°00'	-9.1	-23.0	-32.1		5230.0	VP 119 on Rd SE
①120	0	-	-	+5.0		+5.0	5199.3		
BS	20			+14.1		+14.1	5213.4		set up on Bank
VP-120	650	L SE	88°30'	-10.1	+17.0	+6.9		5220.3	VP on Rd 70 SE -20'

VP OFFSETS - LINE#2-A

DATE Dec 1976	INSTRUMENT MAN SHULTZ	ROD MAN	PARTY NUMBER 6841	PAGE 11
AREA Scorro	PL. TABLE SHEET NO.	STATE New Mex	COUNTY Scorro	TWP RANGE

STATION NO.	DISTANCE	BEARING	Bearing or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
②116	0	-	-	+5.0		+5.0	5289.4	5289.4	
VP#116	25	99°00'	40'	-14.9	-4.5	-19.4		5268.0	VP L TO SE VP-116
②115	0	-	-	+5.0		+5.0	5261.9	5256.9	
VP115	205	L 45°	-	-4.9		-4.9		5257.0	VP L VP#115 to 50' on Rd
②112	0	-	-	+5.0		+5.0	5248.5	5243.5	
VP112	180	L 45°	88°00'	2.9	+6.3	+3.4		5251.9	VP L to 50' on Rd
111 line on ROAD									
②110	0	L 45°	-	+5.0		+5.0	5273.5	5268.5	111 line on ROAD line on Rd
VP110	180		88°00'	9.0	+6.3	-2.7		5270.8	VP to NW on Rd
Can stake on 109 Rd back to line									
stack on 109 VP-108 - 60' to SE									
②101	0	-	-	+4.8		+4.8	5263.5	5258.7	
VP 101	340	L 45°	88°00'	-5.8	+11.9	+6.1		5269.6	VP L on Rd to NW
②106	0	-	-	+5.0		+5.0	5244.5	5236.5	
VA106	155	L 45°	87°00'	8.0	+8.1	+0.1		5244.6	VP#106 L on Rd

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DATE Dec 9 th 1976	INSTRUMENT MAN Shultz	ROD MAN R - Stoll	PARTY NUMBER 6841	PAGE 9
AREA Sorro	LINE # 2-A	STATE New Mexico	COUNTY Sorro	TWP RANGE

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5245.9		8°35' TO BE ADDED TO ALL
118 1/2	0	-	-	-5.0	-5.0			5240.9	IN FIELD
119	220		91°00'	14.1	-3.8	-17.9		5228.0	" "
120	660		92°00'	14.6	H ⁱ Rod - 9.0 -23.0	-14.6		5199.3	-41° Rod - 9.0 IN FIELD
121	1100		91°10'	12.6	-22.4	-35.0		5210.9	IN FIELD
121	1250		91°00'	10.5	-21.8	-32.3		5213.6	" " line crosses Rd
122	1540		91°00'	9.5	-26.8	-36.3		5209.6	" "
123	1980		90°50'	10.1	-28.7	-38.8		5207.1	" "
124	2420	198°21'	90°40'	14.8	-28.1	-42.9		5203.0	" "
BS	440	18°29'	-	+14.0	+14.0		5217.0		BS 5212.5
125	0	-	-	5.0	-5.0			5212.0	" "
126	670	206°24'	-	-6.7	-6.7			5210.3	POINT OF CURVE IN AD 5217.
126	440	197°33'	-	-6.2	-6.2			5210.8	IN FIELD
127	880	197°33'	TH	6.1	+4.4	-1.7		5215.3	ON WEST EDGE OF RD
128	1320	197°33'	TH	14.4	+6.6	-7.8		5209.2	IN FIELD
BS									BS 5209.7 5209.2

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DATE Dec 1976	INSTRUMENT MAN SHULTZ	ROD.MAN	PARTY NUMBER 6841	PAGE 9-A
AREA SCOTT LINE 2-A	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
Q121	0	-	-	+4.8		+4.8	5215.7	5210.9	
VP121	540	L Rte	87°00'	9.3	+28.2	+18.9		5234.6	VP 121 L Rte on Rd to SE
Q122	0	-	-	+5.0		+5.0	5214.6	5209.6	
VP122	460	L Rte	87°00'	8.8	+24.1	+15.3		5229.9	VP 122 " " "
Q123	0	-	-	+5.0		+5.0	5212.1	5207.1	
VP123	550	L Rte	87°00'	7.4	+28.8	+21.4		5233.5	VP 123 " " "
Q124	0	-	-	+5.0		+5.0	5208.0	5203.0	
VP124	580	L Rte	87°00'	10.7	+30.3	+19.6		5227.6	VP on Rd SE
Q125	0	-	-	+5.0		+5.0	5217.0	5212.0	
VP125	535	L Rte	88°00'	9.7	+18.7	+9.0		5226.0	VP " " "
Q126	0	-	-	+5.0		+5.0	5215.8	5210.8	
VP126	105	L Rte	-	-6.2		-6.2		5209.6	VP TO NW on Rd

SURVEY NOTES

GEO-49

VP-OFFSETS

174

DATE Dec 1976	INSTRUMENT MAN Shultz		ROD MAN		PARTY NUMBER 6841	PAGE 859-A
AREA Scorro LINE 2-A	PL. TABLE SHEET NO.	STATE NM	COUNTY Scorro	TWP	RANGE	

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
@137	0	-	-	+5.0		+5.0	5189.1	5184.1	
VP137	405	L Rte	-	13.1		-13.1		5176.0 VP	offset to NW on Rd
@138	0	-	-	+5.0		+5.0	5182.0	5177.0	
VP138	330	L Rte	-	12.7		-12.7		5169.3 VP	"
@139	0	-	-	+5.0		+5.0	5171.6	5166.6	
VP139	155	L Rte	-	6.8		-6.8		5164.8 VP	" NW "
@140	0	-	-	+5.0		+5.0	5192.7	5187.7	
VP140	197	L Rte	-	0.9		-0.9		5191.8 VP	offset to SE on Rd
@141	0	-	-	+5.0		+5.0	5191.	5186.1	
VP141	175	L Rte	-	0.7	2.7	+2.0		5186.1 VP	El. same - SE " 75 "
@142	0	-	-	+5.0		+5.0			
VP142	955	L Rte	-	16.6	16.6	-16.6			" " SE
VP143	1760	L	-	9.9					SE

SURVEY NOTES

GEO-49

VP OFFSETS - LINE # 2 - A 16

DATE		INSTRUMENT MAN		ROD.MAN		PARTY NUMBER		PAGE	
Dec-12-1976		SHULTZ				6841		10-A	
AREA		PL. TABLE SHEET NO.		STATE		COUNTY		RANGE	
SCORRO				New Mex		SCORRO			
STATION NO.	DISTANCE	BEARING	Bearman or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
127	0	on Rd	-						
@128	0	-	-	+5.0		+5.0	5214.2	5209.2	
VP128	4.5	L Rte	-	3.6		-3.6		5210.6 VP	128 OFFSET TO SE ON Rd
	129	on ROAD							
@130	20 feet	SE of Rd						5207.5 VP	130 20' NW on Rd
									131 on offset
									VP-31 60' To NW
@132	0	-	-	+5.0		+5.0	5215.1	5210.1	
VP132	105	L	-	7.7		-7.7		5207.4 VP	To NW on Rd
@133	0	-	-	+5.0		+5.0	5210.9	5205.9	
VP133	155	L	-	7.9		-7.9		5203.0 VP	To NW " "
@134	0	-	-	+5.0		+5.0	5205.4	5200.4	
VP134	210	L Rte	-	11.1		-11.1		5194.3 VP	" " " "
@135	0	-	-	+5.0		+5.0	5202.8	5197.8	
VP135	270	L Rte	-	14.9		-14.9		5187.9 VP	" " " "
@136	0	-	-	+5.0		+5.0	5200.5	5195.5	
VP136	332		9'00"	12.5	-5.8	-18.3		5182.2 VP	" " " "

SURVEY NOTES

GEO-49

DATE *Dec-11th* *LIN# 2* INSTRUMENT MAN *Shultz* ROAMAN *R-stall* PARTY NUMBER *0841* PAGE *17*
 AREA *Scorro* *LIN# 2* SHEET NO. STATE *NY* COUNTY *Scorro* TWP RANGE *11*

STATION NO.	DISTANCE	BEARING	Bearing or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
0138								5177.0	138
BS	743	20°31'	BH	+13.9	+3.7	+17.6	5194.6		in field <i>Corrected from BM run</i>
M 139	306	"	93°00'	12.0	-16.0	-28.0		5166.6	in River bed
	131	"	93°00'	14.6	-6.9	21.5		5173.1	
	0	-	-	5.0					
140	135	200°35'	-	-6.9		-6.9		5187.7	in field west of Rd
141	575	"	-	8.5		-8.5		5186.1	
BS									
BS									
142	1015	"	-	9.2		-9.2			
BS	1760	"	-	7.0		-7.0		5187.6	0
BS	1760	"	TH	+8.6	-8.8	-0.2	5187.4		BS
143	1320	"	TH	11.4	+6.6	-4.8		5182.6	
144	880	"	TH	4.2	+4.4	+0.2		5187.6	
145	440	"	-	1.8		-1.8		5185.6	
146	0	"	-	5.0		-5.0		5182.4	
147	440	"	-	7.8		-7.8		5179.6	
148	880	"	-	6.6		-6.6		5180.8	
149	1320	"	TH	7.7	+6.6	-1.1		5186.3	
150	1760	"	TH	3.5	+8.8	+5.3		5192.7	0
BS	1760	"	90°30'	+13.7	+15.3	+29.0	5221.7		BS
151	1320	"	90°30'	11.4	-11.5	-22.9		5198.8	

SURVEY NOTES

GEO-49

18

DATE Dec 1976	INSTRUMENT MAN Shultz	ROD MAN R-Stoll	PARTY NUMBER 6841	PAGE 11-A
AREA Scorro Line 2-A	PL. TABLE SHEET NO.	STATE NM	COUNTY Scorro	TWP RANGE

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
BM 7			8900	+7.0				5207.0	D-S-18-82-5208.
BS	700	131°41'	88°40'	+7.0	-16.2	-9.2	5197.8	5	BM location at ^{the} the place
138	1880	323°14'	BH	-16.4	-9.4	-20.8		5177.0	the
								5175.7	
								1.3	the
@142	0		-	+5.0		+5.0	5192.6	5187.6	
VP-142	500	L Rte	8900	-2.8	+8.7	-5.9		5198.5	VP 142 offset to SE in field to get away from water tank
142								5182.6	
BS	70'	L	-	+12.5		+12.5	5195.1		
VP-143	430	L Rte	8800	-9.6	+15.0	+5.4		5200.5	offset in field to SE

SURVEY NOTES

GEO-49

19

DATE Dec 12 - 1976	INSTRUMENT MAN SHULTZ	ROD MAN R. Stoll	PARTY NUMBER 6841	PAGE 12
AREA Scorro	LINE 2	STATE Ill. MEV	COUNTY Scorro	RANGE
TABLE SHEET NO.		TWP		

STATION NO.	DISTANCE	BEARING	Begun or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5221.7		in field
152	880	200°35'	B14	12.0	-4.4	-16.4		5205.3	
153	440	"	-	8.9		-8.9		5212.8	
154	0	"	-	5.0		-5.0		5216.7	
155	440	"	89°00'	2.8	+7.7	+4.9		5226.4	
156	880	"	88°00'	13.6	+30.7	+17.1		5238.8	
157	1320	"	88°20'	7.6	+38.4	+30.8		5252.5	⊙
B5	2200	"	91°36'	+14.0	+61.4	+75.4	5327.9		B5
158	1760	"	91°36'	10.8	-48.0	-59.8		5268.1	
159	1320	"	91°36'	9.0	-36.8	-45.8		5282.1	
160	880	"	91°36'	10.2	-24.6	-34.8		5293.1	
161	440	"	91°00'	13.8	-7.7	-21.5		5306.4	
162	0	"	-	5.0		-5.0		5322.9	
163	440	"	89°00'	5.3	+7.7	+2.4		5330.3	
164	880	"	88°00'	12.3	+30.7	+18.4		5346.3	⊙
B5	342	"	91°20'	+14.0	+6.0	+20.0	5316.3		B5
165	100	"	91°20'	14.0	-1.7	-15.7		5350.6	⊙
B5	2200	203°55'	88°00'	+10.3	-76.8	-66.5	5284.1		B5
166	1760	"	88°00'	19.7	+61.4	+48.7		5339.8	
167	1320	"	88°00'	12.2	+46.1	+33.9		5318.0	
168	880	"	88°00'	11.1	+30.7	+19.6		5303.7	

line starts New Brng here

SURVEY NOTES

GEO-48

June 2

20

DATE <i>Dec 12 76</i>	INSTRUMENT MAN <i>SIXTZ</i>	ROD MAN <i>R-stoll</i>	PARTY NUMBER <i>6841</i>	PAGE <i>13</i>
AREA <i>SCORNO</i>	LINE# <i>2-A</i>	STATE <i>N-M</i>	COUNTY <i>SCORNO</i>	RANGE

STATION NO.	DISTANCE	BEARING	Bearing or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							<i>5284.1</i>		
<i>169</i>	<i>440</i>	<i>203°55'</i>	<i>88°00'</i>	<i>8.7</i>	<i>+15.4</i>	<i>+6.7</i>		<i>5290.8</i>	
<i>170</i>	<i>0</i>	<i>"</i>	<i>-</i>	<i>5.0</i>		<i>-5.0</i>		<i>5279.1</i>	
<i>171</i>	<i>440</i>	<i>"</i>	<i>91°00'</i>	<i>11.7</i>	<i>-7.7</i>	<i>-19.4</i>		<i>5264.7</i>	
<i>172</i>	<i>880</i>	<i>"</i>	<i>91°30'</i>	<i>11.7</i>	<i>-23.1</i>	<i>-34.8</i>		<i>5249.3</i>	
<i>173</i>	<i>1320</i>	<i>"</i>	<i>91°40'</i>	<i>14.6</i>	<i>-38.4</i>	<i>-50.0</i>		<i>5234.1</i>	
<i>174</i>	<i>1760</i>	<i>"</i>	<i>91°40'</i>	<i>11.5</i>	<i>-51.2</i>	<i>-62.7</i>		<i>5221.4</i>	<i>0</i>
<i>B5</i>	<i>2200</i>	<i>"</i>	<i>89°20'</i>	<i>+11.7</i>	<i>-25.2</i>	<i>-13.8</i>	<i>5207.6</i>		<i>B5 5207.6</i>
<i>175</i>	<i>1760</i>	<i>"</i>	<i>89°20'</i>	<i>7.1</i>	<i>+20.4</i>	<i>+13.3</i>		<i>5220.9</i>	
<i>176</i>	<i>1320</i>	<i>"</i>	<i>89°20'</i>	<i>6.0</i>	<i>+15.3</i>	<i>+9.3</i>		<i>5216.9</i>	
<i>177</i>	<i>880</i>	<i>"</i>	<i>89°20'</i>	<i>2.6</i>	<i>+10.2</i>	<i>+7.6</i>		<i>5215.2</i>	
<i>178</i>	<i>440</i>	<i>"</i>	<i>89°20'</i>	<i>3.8</i>	<i>+5.0</i>	<i>+1.2</i>		<i>5208.8</i>	
<i>BM</i>	<i>645</i>	<i>37°08'</i>	<i>89°00'</i>	<i>3.5</i>	<i>+11.2</i>	<i>+7.7</i>		<i>5215.3</i>	<i>tie 0.7 5215.7 5216.0</i>
<i>---</i>	<i>295</i>	<i>203°55'</i>	<i>-</i>						<i>road - line crosses rd</i>
<i>179</i>	<i>0</i>	<i>"</i>	<i>-</i>	<i>5.0</i>		<i>-5.0</i>		<i>5202.6</i>	
<i>180</i>	<i>440</i>	<i>"</i>	<i>-</i>	<i>9.3</i>		<i>-9.3</i>		<i>5198.3</i>	<i>in field</i>
<i>181</i>	<i>880</i>	<i>"</i>	<i>-</i>	<i>14.7</i>		<i>-14.7</i>		<i>5192.9</i>	<i>" "</i>
<i>182</i>	<i>1320</i>	<i>"</i>	<i>90°20'</i>	<i>14.9</i>	<i>-7.7</i>	<i>-22.6</i>		<i>5185.0</i>	<i>0</i>
<i>B5</i>	<i>1320</i>	<i>23°18'</i>	<i>89°20'</i>	<i>+7.1</i>	<i>+5.3</i>	<i>-22.1</i>	<i>5176.8</i>		<i>B5</i>
<i>183</i>	<i>880</i>	<i>"</i>	<i>89°20'</i>	<i>6.7</i>	<i>+10.2</i>	<i>+3.5</i>		<i>5120.3</i>	<i>in field</i>
<i>184</i>	<i>440</i>	<i>"</i>	<i>TH</i>	<i>2.0</i>	<i>+2.2</i>	<i>0.2</i>		<i>5117.0</i>	<i>Near road 58 side</i>

SURVEY NOTES

GEO-49

196042

8035'

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DATE		INSTRUMENT MAN			ROD MAN		PARTY NUMBER		PAGE		
Dec 15 - 76		SHULTZ					6841		14		
AREA		PL. TABLE SHEET NO.		STATE		COUNTY		TWP		RANGE	
Socorro		Line 2-A		NM		Socorro					
STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS		
				-5.0			5176.8				
185	0	-	-	5.0	0	-5.0		5171.8	on road		
186	445	196°37'	-	11.2		-11.2		5165.6	"		
187	880	"	BH	14.7	-4.4	19.1		5157.7	"		
188	1320	"	90°30'	14.7	11.5	26.2		5150.6	"		
189	1760	"	90°34'	14.1	17.4	31.5		5145.9	"		
BS	2200	17°02'	TH	2.4	11.0	-8.6	5136.7		BS		
190	1760	"	TH	3.8	+8.8	+5.0		5141.7	"		
191	1320	"	TH	5.4	+6.6	+1.2		5143.3	"		
ROAD	1120	"	-	-0.1		-0.1		5136.6	diff = 11.1		
192	880	"	-	1.4		-1.4		5135.3	"		
193	400	"	-	3.8		-3.8		5132.9	"		
194	0	-	-	5.0		5.0		5131.7	"		
195	440	197°52'	-	12.1		-12.1		5124.6	"		
196	880	"	-	13.8		-13.8		5122.9	"		
197	1320	"	BH	8.3	-6.6	-14.9		5121.8	"		
BS	1760	197°32'	BH	7.0	-8.8	-15.8		5120.9	BS		
									BS		

Dory Road

SURVEY NOTES

GEO-49

3°30' 22

DATE Dec 15 1976	INSTRUMENT MAN Stoltz	ROD MAN R-STOLL	PARTY NUMBER 6841	PAGE 15
AREA Scorro LINE 2-A	PL. TABLE SHEET NO.	STATE NM	COUNTY Scorro	TWP RANGE

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
198								5120.9	on Rd
B5	1760	15°08'	89°30'	+7.2	20.4	-13.2	5107.7		"
199	1320	"	89°00'	-13.7	23.8	+10.1		5117.8	"
200	880	"	89°30'	-3.1	+7.7	+4.6		5112.3	"
201	440	"	89°30'	-4.4	+3.8	0.6		5107.1	
202	105	-							fence line
+202	0	-		5.0		-5.0		5102.7	WS WILD LIFE ***
203	440	189°29'	-	11.1		-11.1		5096.6	in field
204	880	"	BH	13.8	4.4	-18.2		5089.5	" "
*205	1320	"	90°20'	-14.7	-7.7	-22.4		5085.3	" "
206	1760	"	90°24'	13.8	12.3	-26.1		5081.6	0 " "
B5	1760	"	89°34'	+13.4	13.4	-	5081.6		B5 " "
207	1320	"	89°30'	-9.2	+11.8	+2.3		5083.9	" "
208	880	"	TH	3.0	+4.4	+1.4		5083.0	" "
209	440	"	-	2.4		-2.4		5079.2	
210	0	"	-	5.0		-5.0		5076.6	
211	440	"	-	6.5		-6.5		5075.1	
***	770	"	-	6.9		-6.9		5074.7	fence line 5074.7
212	880	"	-	7.9		-7.9		5073.9	
213	1320	"	-	9.3		-9.3		5072.3	
214	1760	"	-	9.0		-9.0		5072.6	0

SURVEY NOTES

GEO-49

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DATE Dec 15 - 1970	INSTRUMENT MAN SHULTZ - SANDO	ROD MAN R - STOLL	PARTY NUMBER 0841
AREA Scorro LINE 2-A	PL. TABLE SHEET NO.	STATE NM	COUNTY Scorro
		TWP 1-S	RANGE 1-E

STATION NO.	DISTANCE	BEARING	Beam or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
214		89°29'						5072.6	⊙
B5	1760	189°29'	-	+3.2		+3.2	5075.8		
215	1320	"	-	5.3		-5.3	5070.5		
216	880	"	-	3.9		-3.9	5071.9		
217	790	"	-	4.7		-4.7	5071.1		Drive around fence
218	440	"	-	5.0		-5.0	5070.8		
218	0	"	-	5.0		-5.0	5070.8		5070.8
219	440	"	-	3.6		-3.6	5072.2		
220	660	"	-	3.7		-3.7	5072.1		fence line to Ranch
220	880	"	-	4.4		-4.4	5071.4		ADQ
221	1320	"	-	5.3		-5.3	5070.5		
222	1760	"	-	4.3		-4.3	5071.5	⊙	
B5	1320	08°10'	BH	+9.9	+6.6	+16.5	5088.0	B5	
223	1420	08°10'	BH	-10.0	-7.1	-17.1	5070.9		shooting back past fence Line crosses Ranch Rd
224	1640	14°55'	BH	-8.1	-8.2	-16.3	5071.7		
225	880	08°10'	-	13.2		-13.2	5074.8		Y rd at int near ranch 135 NW of Rd house
224	440	"	-	9.1		-9.1	5078.9		
225	0	-	-	5.0		-5.0	5083.0		Road
226	440	190°03'	-	1.8		-1.8	5086.2		
227	880	"	TH	2.7	+4.4	+1.7	5089.7		
228	1320	"	TH	1.5	+6.6	+5.1	5093.1		

C. P. S.

SURVEY NOTES

GEO-49

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DATE Dec 15 '10	LINE 2	INSTRUMENT MAN Shultz SANDO	ROD MAN K-Stoll	PARTY NUMBER 6841	PAGE 17
AREA Scorro	LINE 2-A	PL. TABLE SHEET NO.	STATE N. M.	COUNTY Scorro	TWP 1-5
					RANGE 1-E

STATION NO.	DISTANCE	BEARING	Beamman or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
							5088.0		
229	1760	190°03'	89°30'	-6.9	+75.3	+8.4		5096.4	⊙
BS	1760	"	90°30'	+91.8	+75.3	+27.1	5123.5		BS
230	1320	"	90°30'	-12.6	-11.5	-24.1		5099.4	
231	880	"	90°30'	+11.8	-7.7	-19.5		5104.0	
232	440	"	90°30'	+10.1	-3.8	-13.9		5109.6	
233	0	"	-	5.0	-	-5.0		5118.5	
234	440	"	89°00'	-3.6	+7.7	+4.1		5127.6	
235	880	"	88°30'	+4.9	+23.0	+18.1		5141.6	
⊙ 236	1320	"	88°30'	+8.5	+34.6	+26.1		5149.6	⊙
BS	1540	"	90°50'	+12.8	+22.3	+35.1	5184.7		BS
237	1100	"	90°50'	+14.6	+15.9	+30.5		5154.2	
238	660	"	90°50'	+14.3	-9.6	-23.9		5160.8	
239	220	"	-	11.1	-	-11.1		5173.6	
239 1/2	0	-	-	5.0	-	-5.0		5179.7	⊙
⊙ 240	220	186°09'	-	6.9	-	-6.9		5177.8	⊙
BS	1340	04°26'	89°30'	+3.1	+11.5	-8.4	5169.4		BS not used
241	880	"	-	4.0	-	-			
	440	"	-	12.3	-	-			

Handwritten: 24 field
T-2-J
R1-E
↓

SURVEY NOTES

GEO-49

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DATE Dec 15 1976	INSTRUMENT MAN STRICT	ROD MAN SAUDO-R-Stoll	PARTY NUMBER 6841	PAGE 18
AREA Scorro LINE 2-A	PL. TABLE SHEET NO.	STATE Mn	COUNTY M. Scorro	TWP 2-S
				RANGE 1-E

STATION NO.	DISTANCE	BEARING	Beamman or Angle	Rod Reading	PRODUCT	Difference Elevation	H. I.	ELEVATION	REMARKS
239									
240	1540	04°36'	89°30'	10.8	13.4	-2.6		5177.8	240
BS 240	1320	"	89°30'	3.1	11.5	-8.4	5169.4		BS To Sta 240
241	880	"	-	9.0		-9.0	5160.4		
242	440	"	-	12.4		-12.4	5157.0		
243	0	"	-	5.0		-5.0	5164.4		
244	440	"	-	12.2		-12.2	5157.2		E.O.L.
ROAD 245	450	"	-	12.3		-12.3	5157.1		
211	9130'	253°47'	-	13.6	27.5	41.1	5128.3		See Corner 5130
11/12	1180						5130.0		(1.7)
							-1.7		211 11/12 T-2-S - R-1-E