

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

PAGE 1 of 126

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
10-22-84		R. Trowbridge		E. Catcamp		6834		B.P.W.		8		1		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Nevada		Dog Valley 2.5		Calif.		Sierra						L. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
B.M.?	467		~		+ 11.7	90 -		+ 11.7	6155.0		BS			Traverse for Elev.
BS	"		~		+ 9.4	B.H.	+ 2.3	+ 11.7			BS			
TP	193		~		5.8	90 -		- 5.8		6160.9	TP			
"	"		~		4.9	B.H.	- 1.0	- 5.9			TP			
BS	171		~		+ 7.3	83° -	- 20.8	- 13.5		6147.4	BS			
"	"		~		+ 4.3	84° -	- 17.9	- 13.6			BS			
N Sta #80	1455		~		11.7	101°30'	- 290.6	- 301.7			N			
"	"		~		11.2	258°30'	- 290.0	- 301.2	- 301.4?	5846.0				

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-22-84		R. Traubner		B. Colomo		6084		P.C.W.		8		2			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Dog Valley 25		Calif		Sierra								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5868.0						
79	22		196°48' (234°56')		4.8	88° -	+0.8	-4.0		5864.0		-13	-18	691,712	2,551,191
78	352		202°04' (240°12')		13.1	88° -	+12.3	-0.8		5867.2		-175	-305	691,750	2,550,904
77	682		" (")		6.5	89° -	+11.9	+5.4		5873.4		-339	-592	691,586	2,550,617
76	1009		" (")		7.1	88°30'	+26.4	+19.3		5887.3		-501	-875	691,424	2,550,334
TP ₅	1284		202°14'39"		5.0	88°30'	+33.6	+28.6		5896.6	TP	-635	-1116	691,290	2,550,093
"	"		(240°22'11")		1.3	88°40'	+29.9	+28.6			TP				
TP _A	~		000												
TP ₅	~		000		+5.1			+5.1	5901.7		X	0	0	691,290	2,550,093
75	50		204°00' (264°22')		6.5	87°30'	+2.2	-4.3		5897.4		-5	-50	691,285	2,550,043
X	169		183°32'07" (243°54'18")		4.1	86° -	+11.8	+7.7		5909.4	Δ	-74	-151	691,216	2,579,742
F	288		198°36'45"		2.1	86°30'	+17.6	+5.5		5907.2	Δ				

$XY = 691,285 \times 2,549,895$
 by 4 way EL. 5909.0
 BOL Line 8
 Nevada

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-22-84		R. Trumbull		B. Cotnam		6834		B.C. W		8		3			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Don Miller '55'		Calif.		Sierra								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5752.2						
90	321		162°34' (201°29')		7.3	88°40'	+7.5	+0.2		5752.4		-299	-118	694.995	2,553,031
89	651		" (")		5.9	88°40'	+15.2	+9.3		5761.5		-606	-238	694.688	2,552,911
88	981		" (")		6.5	88°40'	+22.8	+16.3		5768.5		-913	-359	694.381	2,552,790
87	1311		" (")		8.1	88°40'	+30.5	+22.4		5774.6		-1220	-480	694.074	2,552,669
86	1638		163°40' (202°35')		8.2	88°40'	+38.2	+30.0		5782.2		-1512	-629	693.782	2,552,520
85	1965		164°46' (203°41')		9.0	88°40'	+45.8	+36.8		5789.0		-1799	-789	693.495	2,552,360
84	2291		166°00' (204°55')		7.2	88°40'	+53.4	+46.2		5798.4		-2077	-965	693.217	2,552,184
83	2617		167°11' (206°06')		3.3	88°40'	+61.0	+57.7		5809.9		-2350	-1151	692.944	2,551,998
TP ₃	2974	2973	168°28'54"		8.3	88°30'	+78.0	+69.7		5822.3	TP	-2640	-1368	692.654	2,551,781
"	"		(207°23'37")		7.5	271°30'	+78.0	+70.5	+70.13		TP				
TP ₂	~		000												
TP ₃	~		000		+4.9			+4.9	5827.2		TP	0	0	692,654	2,551,781
82	35		16°05' (43°29')		6.8	89° -	+0.6	-6.2		5821.0		+25	+24	692,679	2,551,805
81	295		191°02' (218°26')		5.9	89° -	+5.1	-0.8		5826.4		-231	-183	692,423	2,551,598
+180	625		190°05'19" (217°28'54")		8.5	87°30'	+27.3	+18.8		5846.0	Δ	-496	-380	692,158	2,551,401
TP ₄	928	927.1	190°43'55"		4.7	87°30'	+40.5	+35.8		5863.0	TP	-729	-572	691,925	2,551,209
"	"		(218°07'32")		2.0	87°40'	+37.8	+35.8			TP				
TP ₃	~		000												
TP ₄	~		000		+4.95			+5.0	5868.0		TP	0	0	691,925	2,551,209

Y-693110
X-2551,350

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-22-84		R. Trowbridge		B. Cotcamp		6834		B.C.W		8		4			
AREA		TERR MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Dog Valley 7.5'		Calf.		Sierra								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP	~		000							5717.9					
Sta #101	~		000		+49.5			+5.0	5722.9		π	0	0	697.670 2,554.810 Y-697,670 X-2,554,810	
100	314		178°24' (192°51')		10.3	89° -	+5.5	-4.8		5718.1		-306	-70	697.364 2,554.740	
TP	638		186°12'34"		4.1	89° -	+11.1	+7.0		5729.9	TP	-597	-225	697.073 2,554.585	
99	"		(200°38'53")		13.4	88°10'	+20.4	+7.0			TP				
TP	~		000												
TP	~		000		+49.5			+5.0	5734.9		π	0	0	697.073 2,554.585	
98	330		195°09' (217°48')		5.3	90°30'	-2.9	-8.2		5726.7		-261	-202	696.812 2,554.383	
97	603		177°31' (198°10')		8.9	90°30'	-5.3	-14.2		5720.7		-573	-188	696.500 2,554.397	
Crk X _{inc}	611		177°24'09" (198°03'02")		8.9	90°30'	-5.3	-14.2		5720.7	Δ	-581	-189	696.492 2,554.396 Y-696,495 X-2,554,400	
96	882		164°48' (185°27')		7.3	90°30'	-7.7	-15.0		5719.9		-878	-84	696.195 2,554.501	
95	1112		177°39' (198°18')		11.5	90° -		-11.5		5723.4		-1056	-349	696.017 2,554.236	
94	1376		186°47' (207°26')		5.9	90° -		-5.9		5729.0		-1221	-634	695.852 2,553.951	
93	1642		194°10' (214°49')		12.6	89°40'	+9.6	-3.0		5731.9		-1348	-937	695.725 2,553.648	
92	1946		198°11' (218°50')		7.4	89°40'	+11.4	+4.0		5738.9		-1516	-1220	695.557 2,553.365	
91	2275		197°57' (218°38')		8.6	89°30'	+20.0	+11.4		5746.3		-1777	-1420	695.296 2,553.165	
TP	2287		198°15'50"		8.0	89°30'	+20.1	+12.1		5747.2	TP	-1779	-1436	695.294 2,553.149	
"	"		(218°54'43")		4.9	270°26'	+17.4	+12.5	11203		TP				
TP	~		000												
TP	~		000		+5.0			+5.0	5752.2		π	0	0	695.294 2,553.149	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
10-18-84		R. Truong/Doc		B. Potcamp		6834		B.C.W.		8		5				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Nevada		Dog Valley 2.5"		California		Sierra								L. Davis		
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS		
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.		Y	X
										5838.0					5832.0	
KV ₂	416		—		+3.9	89°20'	-19.4	-15.5			BS				Elev. Traverse	
"	—		—		+6.3	89°—	-21.8	-15.5	5822.5		BS					
TP	680		—		3.5	93°—	-35.6	-39.1		5783.4	TP					
"	"		—		+3.4	92°10'	-25.7	-39.1			TP					
BS	698		—		+7.7	86°10'	-46.7	-39.0	5744.4		BS					
"	"		—		+9.7	86°—	-48.7	-39.0			BS					
Sta# 101	1663		000°00' (184°26'19")		4.8	90°45'	-21.7	-26.5		5717.9	TP	+1610	+415	697,670	2554,810	Y-697,670 X-2554,810
102	1449		09°02' (203°28')		4.8	90°47'	-19.8	-24.6		5719.8		-1329	-577	697,951	2,581,648	
103	1132		12°12' (209°38')		4.8	90°39'	-12.2	-17.0		5727.4		-1012	-567	698,268	2,554,718	
Calc. 104	875		12°22' (209°51'19")		8.4	91°—	-15.3	-23.7		5720.7	Δ	-759	-436	698,490	2,554,789	Y-698,490 X-2554,780
104	827		12°22' (209°48')		5.1	91°—	-14.4	-19.5		5724.9		-738	-373	698,542	2,554,852	
105	738		11°26'12" (205°52'31")		6.3	91°—	-12.9	-19.2		5725.2	Δ	-664	-322	698,616	2,554,903	Y-698,610 X-2554,875
105	507		15°58' (210°24')		4.8	91°20'	-11.8	-16.6		5727.8		-437	-256	698,843	2,554,969	
106	190		04°04' (198°30')		9.5	90°—		-9.5		5734.9		-180	-60	699,100	2,555,165	
107	0		—		—	—	—	—			1	0	0	699,280	2,555,225	
107	142		196°04' (30°30')		11.8	86°—	+9.9	-1.9		5742.5		+122	+72	699,402	2,555,297	
108	470		202°40' (37°06')		4.8	86°30'	+28.4	+23.6		5768.0		+374	+283	699,654	2,555,508	
TP	576	594.8	209°29'18"		4.1	86°20'	+36.8	+32.7		5777.1	TP	+414	+319	699,694	2,555,624	
"	"		(43°55'37")		5.8	86°10'	+38.5	+32.7			TP					

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		VINE NO.		PAGE		
10-16-84		R. Irowbridge		B. Cotcamo		6834		B. C. W.		81		6		
AREA		TOWNSHIP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Nevada		Dog Valley 7.5		California		Sierra						L. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
TP ₁	—	—	000°00'							5777.1				
TP ₂	—	—		+5.1				+5.1	5782.2		⊖	⊖	699,694	2,555,624
N.F.B.	67		173°43'22" (30°35'59")		7.1	87°0'	+3.5	-3.6		5778.6	Δ	+53	+41	699,747 2,555,665
109	215		179°10' (43°06')		5.8	87°0'	+11.3	+5.5		5787.7		+157	+147	699,851 2,555,711
110	532		178°27' (42°23')		8.2	87°0'	+27.8	+19.6		5801.8		+392	+358	700,086 2,555,982
111	855		174°32' (38°28')		4.8	87°13'	+41.5	+36.7		5818.9		+669	+531	700,363 2,556,155
TP ₂	934	932.7	174°29'19"		10.0	87°0'	+48.9	+38.9		5821.1	TP	+731	+580	700,425 2,556,204
"	"	"	(38°24'54")		7.2	87°10'	+46.2	+39.0			TP			
TP ₁	—	—	000°00'											
TP ₂	—	—		+5.0				+5.0	5826.1		⊖	⊖	700,425	2,556,204
112	249		191°25' (49°50')		4.8	86°43'	+14.3	+9.5		5835.6		+160	+190	700,585 2,556,394
TP ₃	528	526.9	162°56'00"		2.1	86°20'	+33.8	+31.7		5857.8	TP	+491	+192	700,916 2,556,396
"	"	"	(21°20'54")		1.0	86°27'	+32.7	+31.7			TP			
TP ₂	—	—	000°00'											
TP ₃	—	—		+5.0				+5.0	5862.8		⊖	⊖	700,916	2,556,396
113	302	301.3	331°00'00" (18°20'54")		4.4	94°0'	-21.1	-25.5		5837.3	Δ	-301	+9	700,615 2,556,405
"	26		302°04' (144°08')		6.9	90°0'		-6.9		5855.9		-21	+15	700,895 2,556,411
TP ₄	2915		140°37'42"		8.8	85°0'	+25.4	+16.6		5879.4	TP	+276	-90	701,192 2,556,306
"			(34°58'36")		4.6	85°50'	+21.1	+16.5			TP			
TP ₃	—	—	000°00'					+4.8	5884.2		⊖	⊖	701,192	2,556,306

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10-16-84		R. Trowbridge		B. Cotcamp		6834		B. C. W.		8		5			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Dog Valley 75		California		Sierra								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5884.2						
114	19		234°28' (36°27')		4.8	86° -	+1.3	-3.5		5880.7		+15	+11	701,207	2,556,317
115	344		212°45' (14°44')		4.9	86° -	+24.0	+19.1		5903.3		+332	+87	701,524	2,556,393
TP ₅	485	4833	211°54'30"		2.7	85°10'	+40.9	+38.2		5922.4	TP	+469	+116	701,661	2,556,422
"	"		(13°53'13")		5.5	84°50'	+43.7	+38.2			TP				
TP ₂	-		000°00'												
TP ₄	-				+4.9			+4.9	5927.3		X	0	0	701,661	2,556,422
116	212		125°44' (319°37')		4.7	89° -	+3.7	-1.0		5926.3		+161	+137	701,822	2,556,285
TP ₆	475		124°58'36"		1.0	88° -	+16.6	+15.6		5942.9	TP	+358	-312	702,019	2,556,110
"	"		(318°51'49")		5.1	87°30'	+20.7	+15.6			TP				
TP ₁	-		000°00'												
TP ₅	-				+5.05			+5.1	5948.0		X	0	0	702,019	2,556,110
117	65		180°25' (319°11')		6.3	86° -	+4.5	-1.8		5946.2		+49	-42	702,068	2,556,068
118	394		169°10' (308°02')		10.5	86° -	+27.5	+17.0		5965.0		+242	-310	702,261	2,555,800
TP ₃	407	4060	169°20'24"		11.0	86° -	+28.4	+17.4		5965.4	TP	+251	-319	702,270	2,555,791
"	"		(308°12'13")		3.9	87° -	+21.3	+17.4			TP				
TP ₂	-		000°00'												
TP ₁	-				+4.9			+4.9	5970.3		X	0	0	702,270	2,555,791
TP ₈	340		222°42'42"		8.5	87° -	+17.8	+9.3		5979.6	TP	+335	-54	702,605	2,555,737
"	"		(350°54'55")		14.5	86° -	+23.7	+9.2			TP				

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-18-84		R. Tronzo		B. Cotecamp		6834		B.C.W.		8		8			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Dog Valley 7.5'		Calif.		Sierra								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₈	—		000° 00'							5979.6					
TP ₈	—		0 "		+5.1			+5.1	5984.7		TP	0	0	702.605 2,555.737	
NFB?	112		17° 41' 52" (188° 36' 53')		10.3	90-		-10.3		5974.4		-111	-17	702.494 2,555.720	
119	28		19° 21' (190° 16')		6.3	90-		-6.3		5978.4		-28	-5	702.577 2,555.732	
120	302		208° 52' (190° 47')		11.3	89° 30'	+13.2	+1.9		5986.6		+284	+102	702.889 2,555.839	
121	632		" (")		11.7	88° -	+22.1	+10.4		5995.1		+594	+214	703.199 2,555.951	
122	962		" (")		4.8	87° 34'	+35.3	+30.5		6015.2		+905	+325	703.510 2,556.062	
TP ₉	1208	1207	208° 52' 36"		3.1	87° 40'	+49.2	+45.5		6030.2	TP	+1136	+409	703.741 2,556.146	
"	"		(190° 47' 31")		7.3	87° 30'	+52.7	+45.4			TP			? 7.3	
TP ₈			000° 00'												
TP ₉	"		"		+5.15			+5.2	6035.4		TP	0	0	703.741 2,556.146	
123	83		168° 07' (68° 45')		5.3	87° 0'	+4.3	-1.0		6034.4		+82	+13	703.823 2,556.159	
124	410		163° 25' (3° 13')		7.5	87° 0'	+21.5	+14.0		6049.4		+409	+23	704.150 2,556.169	
125	737		159° 21' (359° 09')		13.4	87° 0'	+38.6	+25.2		6060.6		+736	-11	704.477 2,556.135	
TP ₁₀	890	889.3	157° 07' 40"		6.3	87° 40'	+36.3	+30.0		6065.3	TP	+888	-48	704.629 2,556.098	
"	"		(356° 55' 11")		14.2	87° 10'	+44.0	+29.8	+29.93		TP				
TP ₉			000° 00'												
TP ₁₀					+4.75			+4.8	6070.1		TP	0	0	704.629 2,556.098	
126	172		173° 38' (350° 33')		6.3	90 -		-6.3		6063.8		+170	-28	704.799 2,556.060	
127	502		" (")		11.0	B.H.	-2.5	-13.5		6056.6		+495	-82	705.124 2,556.016	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-18-84		R. Trowbridge		B. Cotcamp		6834		BCL		8		9			
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER			
Nevada		Dea Valley 2.5		Calf.		Sterra						L. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
									6070.1						
128	832		(350°33')		13.3	B.H.	-4.2	-17.5		6052.6		+821	-137	705.450	2,555.961
TP ₁₁	996		88°17'30" 144"		1.5	90° -	-17.4	-18.9		6051.2	TP	+981	-172	705.610	2,555.926
"	"		(350°02'55")		13.9	B.H.	-5.0	-18.9			TP				
TP ₁₀	—		000°00'												
TP ₁₁	—				+4.9			+4.9	6056.1		TP	0	0	705.610	2,555.926
129	162		(168°31' (338°40'))		7.5	90° -		-7.5		6048.6		+151	-59	705.761	2,555.867
30	492		(166°34' (336°37'))		13.4	B.H.	-2.5	-15.9		6040.2		+452	-195	705.062	2,555.731
TP ₁₂	623		(166°29'09")		10.5	90° -	-10.9	-21.4			TP	+571	-248	706.181	2,555.678
"	—		(336°32'02")		5.0	91°30'	-16.3	-21.3		6034.8	TP				
TP ₁₂	—		000°00'												
" ₄₂	—				+4.95			+5.0	6039.8		TP	0	0	706.181	2,555.678
131	200		(194°42' (351°14'))		7.7	91°30'	-5.2	-12.9		6026.9		+198	-30	706.379	2,555.648
132	530		" (")		12.5	91°30'	-13.9	-26.4		6013.4		+524	-81	706.705	2,555.597
133	860		" (")		4.8	92°13'	-33.2	-38.0		6001.8		+849	-131	707.036	2,555.547
TP ₁₃	1015	1014.3	(192°39'53")		6.3	92°10'	-38.4	-44.7		5995.5	TP	+996	-190	707.177	2,555.488
"	"		(349°11'55")		11.3	91°50'	-32.5	-43.8			TP				
TP ₁₂	—		000°00'												
TP ₁₃	—				+5.0			+5.0	6000.5		TP	0	0	707.177	2,555.488
134	174		(181°043' (351°55'))		8.5	90° -		-8.5		5992.0		+174	-9	707.351	2,555.479
TP ₁₄	404		(186°03'52")		14.0	B.H.	-2.0	-16.0		5984.5	TP	+403	-33	707.580	2,555.455
"			(355°15'47")		9.0	91° -	-7.0	-16.0			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10.18.84		P. Trowbridge		B. Cotcamp		6834				8		10			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEV.		Dog Valley - 7 1/2'		CALIF.		SIERRA								L.O.D.	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₃	-		0° 00' 00"							5984.5					
TP ₄	-				+4.9			+4.9	5989.4		X	0	0	707.886 2,555,455	
135	98		182° 07' (357° 23')		11.4	-		-11.4		5978.0		+98	-4	707.678 2,555,451	
136	426		172° 13' (347° 29')		8.3	91° 30'	-11.1	-19.4		5970.0		+416	-92	707,996 2,555,363	
TP ₅	606		172° 04' 25"		5.9	91° 30'	-15.9	-21.8		5967.6	TP	+591	-133	708,171 2,555,322	
TP ₅	--		(347° 20' 12")		11.2	91° -	-10.6	-21.8			TP				
TP ₄	-		0° 00' 00"												
TP ₅	-				+5.0			+5.0	5972.6		X	0	0	708,171 2,555,322	
NFB	458		359° 20' (166° 40' 12")		4.2	89° -	+8.0	+3.8		5976.4		-440	+106	707,725 2,555,428	
137	157		203° 33' (10° 53')		10.0	90° 20'	-0.9	-10.9		5961.7		+154	+30	708,325 2,555,352	
138	486		196° 59' (4° 19')		5.2	91° 40'	-14.1	-19.3		5953.3		+484	+37	708,655 2,555,359	
TP ₂	600		197° 44' 10"		4.1	91° 40'	-17.4	-21.5		5951.1	TP	+597	+53	708,768 2,555,375	
--	--		(5° 04' 22")		2.3	91° 50'	-19.2	-21.5			TP				
TP ₅	-		0° 00' 00"												
TP ₂	-				+5.1			+5.1	5956.2		X	0	0	708,768 2,555,375	
TP ₃	146		184° 23' 00"		10.8	-		-10.8			TP	+144	+24	708,912 2,555,399	
TP ₃	--		(9° 27' 22")		10.0	84	-0.7	-10.7		5945.5	TP				
TP ₂	-														
TP ₃	-				+5.0			+5.0	5950.5		X	0	0	708,912 2,555,399	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
10-20-84		R. Rowbridge		B. Camp		6834		B.C.W.		8	12			
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Nevada		Don Valley 7.5'		Calif	Sierra					J. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
TP	—		000							5995.0				
TP ₉	—		000	+5.0				+5.0	6000.0		π	○	○	711,077 2,555,275
147	344		166°51'41"	1	13.5	92° -	-12.0	-25.5		5974.5	TP	+314	+40	711,391 2,555,415
TP ₁₀	"		(23°58'08")		4.5	93°30'	-24.0	-25.5			TP			
TP ₉	—		000											
147	—		000	+5.05				+5.1	5979.6		π	○	○	711,391 2,555,415
148	313		165°44' (69°42')		8.1	92° -	-10.9	-19.0		5960.6		+308	+53	711,699 2,555,468
TP ₁₁	473	472.3	179°38'18"		5.4	93°10'	-26.1	-31.5		5948.1	TP	+433	+189	711,824 2,555,604
"	"		(23°36'26")		2.6	93°20'	-28.9	-31.5			TP			
TP ₁₀	—		000											
TP ₁₁	—		000	+5.15				+5.2	5953.3		π	○	○	711,824 2,555,604
149	156		167°36' (11°12')		6.3	90 -		-6.3		5947.0		+153	+30	711,977 2,555,634
150	446		191°34' (35°10')		9.5	91° -	-7.8	-17.3		5936.0		+365	+257	712,189 2,555,861
151	763		200°29' (44°05')		4.8	91°31'	-21.5	-26.3		5927.0		+548	+531	712,372 2,556,135
TP ₁₂	770		200°23'41"		4.6	91°40'	-22.4	-27.0			TP	+554	+535	712,378 2,556,139
" ₁₂			(44°00'13")		6.8	91°30'	-20.1	-26.9		5926.4	TP			
TP ₁₁	—		000											
TP ₁₂	—		000	+5.15				+5.2	5931.6		π	○	○	712,378 2,556,139
152	310		174°00' (38°00')		5.5	90 -		-5.5		5926.1		+244	+191	712,622 2,556,330
153	626		165°04' (29°04')		8.6	87°40'	+25.5	+16.9		5948.5		+547	+304	712,925 2,556,443

Y-712600
X-2556325

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-20-84		R. Trowbridge		B. Cotramo		6834		R.		85		13			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Dog Valley 7.5		Calif		Sierra								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₁₃	783		166°20'42" (30°20'55")		1.3	87°54'	+28.7	+27.4	5931.6	5959.0	TP	+675	+395	713.053	2,556,534
TP ₁₃					1.0	87°55'30"	+28.4	+27.4			TP				
TP ₁₂	—		000												
TP ₁₃	—		000	+4.4				+4.4	5963.4		X	0	0	713.053	2,556,534
1543	172		209°42' (58°03)		8.2	87°40'	+7.0	-1.2		5962.2		+91	+146	713.144	2,556,680
Sec Line	390		004°55'42" (215°16'37")		9.3	93°-	-15.2	-24.5		5938.9		-236	-167	712,817	2,556,367
TP ₁₄	369		195°38'29" (45°59'24")		7.7	89°40'	+2.1	-5.6			TP	+256	+265	713.309	2,556,799
"					14.0	88°40'	+8.6	-5.4	-5.53	5957.9	TP				
TP ₁₃	—		000												
TP ₁₄	—		000	+4.7				+4.7	5962.6		X	0	0	713.309	2,556,799
155	121		179°02' (45°01')		11.4	90-		-11.4		5951.2		+86	+86	713.395	2,556,885
156	449		176°40' (42°39')		6.3	91°30'	-11.7	-18.0		5944.6		+330	+304	713.639	2,557,103
TP ₁₅	491		176°44'06" (42°43'30")		3.2	91°30'	-12.8	-16.0		5946.6	TP	+361	+333	713.670	2,557,132
"	"				4.6	91°20'	-11.4	-16.0			TP				
TP ₁₄	—		000												
TP ₁₅	—		000	+5.1				+5.1	5951.7		X	0	0	713.670	2,557,132
TP ₁₆	225		192°11'11" (54°54'41")		9.1	90-		-9.1		5942.6	TP	+129	+184	713.799	2,557,316
"	"				8.0	B.A.	-1.1	-9.1			TP				
TP ₁₅			0°00'00"												
TP ₁₆	0			+4.9				+4.9	5947.5		X	0	0	713.799	2,557,316

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-20-84		R. Trumbidge		B. Cotcamp		6834		RT		8		14			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Doe Valley 25'		Calif.		Searles								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5947.5						
157	66		203°47' (78°42')		10.6	90° -		-10.6		5936.9		+13	+65	713,812	2,557,381
TP ₁₈	133		192°09'11"		13.1	93° -	-7.0	-20.1		5927.4	TP	+51	+122	713,850	2,557,438
"	"		(67°03'52")		8.5	95° -	11.6	-20.1			TP				
TP ₁₉	—		000												
TP ₁₉	—		000	+4.95				+5.0	5932.4		X	0	0	713,850	2,557,438
158	264	262.0	214°41' (101°45')		7.6	99° -	-32.2	-39.8		5892.6		-53	+257	713,797	2,557,695
TP ₁₆	451	448.5	219°15'29"		3.9	96° -	-47.1	-51.0		5881.4	TP	-126	+430	713,724	2,557,868
"			(106°19'21")		6.6	95°40'	-44.5	-51.1			TP				
TP ₁₉	—		000												
TP ₁₉	—		000	+5.0				+5.0	5886.4		X	0	0	713,724	2,557,868
159	140		196°15' (122°34')		6.3	90° -		-6.3		5880.1		-75	+118	713,649	2,557,986
160	464		191°29' (117°48')		8.1	90° -		-8.1		5878.3		-216	+410	713,508	2,558,278
TP ₂₀	480		194°24'18"		5.4	90° -		-5.4		5881.0	TP	-245	+413	713,479	2,558,281
"			(120°43'39")		7.8	T.H.	+2.4	-5.4			TP				
TP ₁₉	—		000												
TP ₂₀	—		000	+4.9				+4.9	5885.9		X	0	0	713,479	2,558,281
161	308	306.0	183°23' (124°01')		6.3	96°30'	-34.9	-41.2		5844.7		-172	+253	713,307	2,558,534
TP ₂₁	216	214.3	183°49'42"		3.5	95°14'	-27.2	-30.7		5855.2	TP	-122	+176	713,357	2,558,457
"	"		(124°33'21")		8.1	96° -	-22.6	-30.7			TP				
TP ₁₉	—		000												
TP ₁₉	—		000	+4.85				+4.9	5860.1		X	0	0	713,357	2,558,457

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-20-84		R. TROWBRIDGE		B. Cotcamp		6834				8		15			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Dog Valley - 7 1/2'		CALIF		SIERRA								L.O.D.	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5860.1						
162	383		138° 33' (83° 06')		4.3	98° 40'	-57.7	-62.0		5798.1		+45	+376	713,402	2,558,833
TP ₂₂	396	391.5	137° 34' 24"		4.6	98° 40'	-59.7	-64.3		57	TP	+54	+388	713,411	2,558,845
--	--		(82° 07' 45")		8.0	98° 10'	-56.2	-64.2		5795.9	TP				
TP ₂₁	--		0° 00' 00"												
TP ₂₂	--				+5.1	--		+5.1	5801.0		X	0	0	713,411	2,558,845
TP ₂₃	402	391.7	197° 58' 13"		9.2	103°	-90.4	-99.6		5701.6	TP	-69	+386	713,342	2,559,231
--	--		(100° 05' 58")		2.0	104°	-97.2	-99.2	5799.4		TP				
TP ₂₂	--		0° 00' 00"												
TP ₂₃	--				+4.9	--		+4.9	5706.5		X	0	0	713,342	2,559,231
163	185	181.0	311° 05' (231° 11')		6.4	79°	+35.3	+28.9		5735.4		-113	-141	713,229	2,559,090
164	79		161° 16' (81° 22')		9.4	95°	-6.9	-16.3		5670.2		+12	+78	713,354	2,559,309
TP ₂₄	590	585.6	140° 39' 04"		7.9	97°	+11.9	-79.8		56	TP	+286	+511	713,628	2,559,742
--	--		(60° 45' 02")		2.7	97° 30'	-77.0	-79.7		5626.8	TP				
TP ₂₃	--		0° 00' 00"												
TP ₂₄	--				+5.1	--		+5.1	5631.9		X	0	0	713,628	2,559,742
165	220		15° 12' (255° 51')		7.1	85°	+19.2	+12.1		5644.0		-53	-213	713,575	2,559,529
166	110		215° 22' (96° 07')		5.3	96°	-11.5	-16.8		5615.1		-12	+109	713,616	2,559,851
167	440	437.6	-- (--)		3.4	96°	-46.0	-49.4		5582.5		-47	+435	713,581	2,560,177
1/4	440	437.6	213° 30' 42"		3.4	96°	-46.0	-49.4		5582.5	1/4	-33	+436	713,595	2,560,178
			(94° 15' 44")												1/4 - 713,555 X - 2,560,110 EL. 5585.0

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-20-84		R. Towbridge		B. Lotcamp		6834		B.C.W		8		16			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Dog Valley		Nev		Sierra								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
									5631.9						
TP ₂₄	566	563.9	201°01'12"		3.4	95° -	-49.3	-52.7		5579.2	TP	+81	+558	713,709	2,560,300
"	"		(81°04'14")		8.4	94°30'	-44.4	-52.8		TP					
TP ₂₃	~		000												
TP ₂₄	~		000		+5.0			+5.0	5584.2		π	○	○	713,709	2,560,300
168	147		109°37' (11°23')		4.8	91°54'	-4.9	-9.7		5574.5		+144	+29	713,853	2,560,329
169	473		109°27' (11°13')		11.7	90° -		-11.7		5572.5		+464	+92	714,173	2,560,392
TP ₂₅	515		109°25'28"		13.9	90° -		-13.9		5570.3	TP	+505	+100	714,214	2,560,400
"	"		(11°11'42")		5.0	91° -	-9.0	-14.0			TP				
TP ₂₄	~		000												
TP ₂₅	~		000		+4.85			+4.9	5575.2		π	○	○	714,214	2,560,400
170	281	280.3	185°41'32"		7.3	94° -	-19.6	-26.9		5548.3	TP	+268	+81	714,482	2,560,481
TP ₂₆	"		correct Rpt. → (43°00') (16°53'42")		12.2	93° -	-14.7	-26.9			TP				
TP ₂₅	~		000												
170	~		000		+5.1			+5.1	5553.4		π	○	○	714,482	2,560,481
171	328		203°21' (40°21')		5.3	94° -	-22.9	-28.2		5525.2		+249	+212	714,731	2,560,693
TP ₂₆	557	555.6	202°28'12"		5.6	94° -	-38.8	-44.4		5509.0	TP	+430	+352	714,912	2,560,833
"	"		(39°21'54")		12.1	93°20'	-32.4	-44.5			TP				
TP ₂₅	~		000												
TP ₂₆	~		000		+5.05			+5.1	5514.1		π	○	○	714,912	2,560,833

Penny Moved by
Vehicle rechecked

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-20-84		R. Trow bridge		B. Cotcamp		6834		B.C.W		8		17			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Jay Valley 75		Calif		Sierra								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5514.1						
172	97		116°41' (21°03')		11.4	90-		-11.4		5502.7		+87	+43	714.999	2,560.876
173	427		" "		9.9	93°-	-22.3	-32.2		5481.9		+383	+187	715.295	2,561.020
174	754		116°12' (22°34')		4.8	93°38'	-47.8	-52.6		5461.5		+695	+289	715.607	2,561.122
TP ₂₅	846	844.3	116°09'29"		2.5	93°40'	-54.1	-56.6		5457.5	TP	+780	+323	715.692	2,561.156
"	"		(22°31'23")		12.3	93°-	-44.3	-56.6			TP				
TP ₂₆	~		000												
TP ₂₇	~		000		+4.95			+5.0	5462.5		X	0	0	715.692	2,561.156
175	242		144°58' (347°29')		11.7	90-	-4.2	-15.9		5446.6		+236	-52	715.928	2,561.104
176	568		142°18' (344°49')		4.8	92°22'	-23.4	-28.2		5434.3		+548	-149	716.240	2,561.007
TP ₂₈	640		142°19'11"		6.9	92°10'	-24.2	-31.1		5431.4	TP	+617	-167	716.309	2,560.989
"	"		(344°50'34")		4.1	92°25'	-27.0	-31.1			TP				
TP ₂₉	~		000												
TP ₃₀	~		000		+5.1			+5.1	5436.5		X	0	0	716.309	2,560.989
177	175		201°21'30" (01°12'04")		10.2	90-		-10.2		5426.3	Δ	+174	+19	716.483	2,561.008
178	259		199°18' (4°09')		11.8	90-		-11.8		5424.7		+258	+19	716.567	2,561.008
178	570		181°53' (346°44')		11.3	90-		-11.3		5425.2		+555	-131	716.864	2,560.858
TP ₂₉	785		180°27'40"		5.1	T.H.	+3.9	-1.2		5435.3	TP	+759	-199	717.068	2,560.790
"	"		(345°18'17")		5.8	89°40'	+4.6	-1.2			TP				
TP ₂₈	~		000												
TP ₂₆	~		000		+5.05			+5.1	5440.4		X	0	0	717.068	2,560.790

Y = 716.460
X = 2,560.930

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
10-22-84		K. Rowland		B. Potoczny		6857		B.C. W		8		18		
AREA		TOWNSHIP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Nevada		Dog Valley N5		Calif.		Sierra						L. Davis		
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									5446.4					
179	113		164°54' (330°12')		6.9	90° -		-6.9		5433.5		+98	-56	717.166 2,569,734
C. X-111g	356		160°25'40" (325°43'57")		5.4	89° -	+6.2	+0.8		5441.2		+294	-200	717.362 2,560,590
180	320		172°38' (337°56')		4.8	88°25'	+8.8	+4.0		5444.4		+296	-120	717.364 2,560,670
181	512		200°37' (5°55')		7.1	86° -	+35.7	+28.6		5469.0		+508	-53	717.576 2,560,843
182	789		216°31' (21°49')		4.8	86°38'	+46.3	+41.5		5481.9		+731	+293	717.799 2,561,083
TP ₃₀	829	827.7	218°04'25"		1.7	86°50'	+45.8	+44.1			TP	+760	+328	717.828 2,561,118
"	"		(23°22'42")		3.1	86°44'	+47.3	+44.2		5484.6	TP			
TP ₃₀	~		000											
TP ₃₀	~		000											
TP ₃₀					+4.9			+4.9	5489.5		TP	0	0	717,828 2,561,118
183	283		191°10' (34°33')		8.9	88° -	+9.9	+1.0		5490.5		+233	+160	718,061 2,561,278
TP ₃₁	435		191°44'15"		6.0	89°30'	+3.8	-2.2		5487.3	TP	+356	+249	718,184 2,561,367
"			(34°59'34")		13.6	88°30'	+11.4	+2.2			TP			

Sunshot from this Setup (30)
 Sunshot 000°
 Corrected here
 Az = 34°59'34"
 Surv. 35°06'57"
 00°07'23"

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-23-84		K. Trowbridge		B. Cotcamp		6834		D.W.		8		19			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Dog Valley		Nev. 75		Sierra								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₁	—		000							5487.3					
TP ₂	—		000		+505			+5.1	5492.4		π	0	0	718,84	2,561,367
184	184		154°06' (99°05')		11.3	92° -	-6.4	-17.7		5474.7		+182	+29	718,366	2,561,356
TP ₂	-332	331.2	155°50'23"		9.8	91° -	-23.2	-33.0			TP	+325	+62	718,509	2,561,429
"	"		(10°49'57")		3.9	95° -	-28.9	-32.8	-32.9	5459.5	TP				
TP ₁	~		000												
TP ₂	~		000		+505			+5.1	5464.6		π	0	0	718,509	2,561,429
185	173		163°20' (318°10')		6.6	91° -	-18.1	-24.7		5439.9		+172	-18	718,681	2,561,412
186	485		142°50' (333°40')		6.5	93°20'	-28.2	-34.7		5429.9		+434	+215	718,943	2,561,214
187	785		151°58' (342°48')		4.8	92°26'	-33.3	-38.1		5426.5		+749	-232	719,258	2,561,197
TP ₃	1071		152°00'58"		2.0	91°46'	-33.0	-35.0		5429.6	TP	+1023	-316	719,532	2,561,113
"	"		(342°56'55")		4.5	91°38'	-30.5	-35.0			TP				4.0
TP ₁	~		000												
TP ₂	~		000		+50			+5.0	5434.6		π	0	0	719,532	2,561,113
188	42		147°15' (318°06')		6.3	83° -	+5.1	-1.2		5433.4		+27	-32	719,559	2,561,081
TP ₄	3095	3088.8	202°06'11"		3.8	93°38'30"	-196.4	-200.2		5231.4	TP	+3077	+267	722,609	2,561,380
"	"				4.8	266°22'30"	-195.5	-200.2			TP				
B.S.	3095		170°02'27"												
					+5.1			+5.1	5239.5						
189	2944		176°14'		14.9	86°09'	+17.9	+193.1		5432.6		-2889	-518	719,720	2,560,812

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-23-84		R. Towbridge		B. Cotcamp		6834		B.C.W.		8		20			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Evans Cyn. 7.5'		Calif.		Stevia								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5239.5						
±	2889	2882.5	177°39'30'	+14.9	6.3	86°10'	+193.3	+187.0		5426.5	Δ	-2814	-627	719.795	2,560,753 y-719,800 x-2,560,690
190	2710		172°34'		12.3	86°20'	+173.5	+161.2		5400.7		-2687	-352	719.922	2,561,028
191	2506		168°55'		12.2	86°30'	+153.1	+140.9		5380.4		-2500	-167	720.109	2,561,213
192	2200		166°30'		10.0	86°50'	+121.6	+111.6		5351.1		-2199	-54	720.410	2,561,326
193	1875		161°40'		13.4	87° -	+98.2	+84.8		5324.3		-1873	-84	720.736	2,561,296
194	1546		161°50'		11.0	87°30'	+67.5	+56.5		5296.0		-1544	-74	721.065	2,561,306
195	1223		165°12'		10.0	88° -	+42.7	+32.7		5272.2		-1223	-2	721.386	2,561,378
196	902		161°11'		13.4	88° -	+31.5	+18.1		5257.6		-900	+62	721.709	2,561,442
197	573		160°11'		10.1	88° -	+20.0	+9.9		5249.4		-571	+49	722,038	2,561,429
198	253		"		5.5	88° -	+8.8	+3.3		5242.8		-238	+86	722,371	2,561,414
π	—		—		—	—	—	—			π	0	0	722,609	2,561,380
199	107		023°03'		7.9	90° -		-7.9		5231.6		+84	+66	722,693	2,561,446
200	433		016°39'		12.3	90° -		-12.3		5227.2		+369	+227	722,978	2,561,607
Sec Line	662		012°07'06"		10.1	90°30'	-5.8	-15.9		5223.6	Δ	+590	+301	723,199	2,561,681 y-723,340 x-2,561,600
201	739		09°20'		12.0	90°30'	-6.4	-18.4		5221.1		+674	+303	723,283	2,561,683
202	1049		02°05'		8.1	90°50'	-15.2	-23.3		5216.2		+1003	+306	723,612	2,561,686
203	1341		05°02'		18.5	90°20'	-7.8	-26.3		5213.2		+1261	+457	723,870	2,561,837
204	1621		009°38'		15.6	90°20'	-9.4	-25.0		5214.5		+1475	+673	724,084	2,562,053
205	1914		04°53'	✓	17.8	90°20'	-11.1	-30.9		5208.6		+1801	+678	724,410	2,562,028
206	2206		00°40'	+14.9	13.5	90°30'	-19.2	-32.7		5206.8		+2125	+592	724,734	2,561,972

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-23-84		R. Traylor		B. Cotcamp		6834		BCW		8		21			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Evans Cyn.		N.S.		Calif.		Sierra						L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.		Y
									5239.5						
207	2482		356°13'	+14.9	10.0	90°40'	-28.8	-38.8	5200.7			+2435	+478	725.044	2,561,858
208	2776		352°51'			11.1	90°40'	-32.1	-43.2	5196.3		+2750	+379	725.359	2,561,759
209	3084		350°49'18"	+14.9		11.1	90°40'	-35.7	-46.8	5192.9	TP	+3068	+307	725.677	2,561,687
TP	"		"			10.7	269°20'	-35.7	-46.4	-46.63	TP				
BS	1896		160°09'09"	+14.9		+4.2	88°30'	-16.6	-12.4	5180.4	BS	+1889	-165		
BS	"					+3.9	270°30'	-16.6	-12.7	-12.5	BS				
210	1603		155°17'			12.0	89°09'	+24.7	+12.7	5193.1		-1580	+273	725.986	2,561,795
211	1284		155°04'			11.4	89° -	+22.4	+11.0	5191.4		-1264	+224	726.362	2,561,746
212	987		162°24'			12.6	89°10'	+14.4	+1.8	5182.2		-986	+46	726.580	2,561,568
213	660		163°41'			10.6	89°10'	+9.6	-1.0	5179.4		-660	+16	726.906	2,561,538
214	330		"			2.0	89°10'	+4.8	-2.2	5178.2		-330	+8	727.236	2,561,530
215	0		-			5.0	-		-5.0	5175.4	TP	0	0	727.566	2,561,522
216	330		341'39"			11.1	90° -		-11.1	5169.3		+329	-20	727.895	2,561,502
217	660		"			5.9	90° -	-11.5	-19.4	5161.0		+659	-40	728.225	2,561,482
218	984		341°25'48"			4.4	90° -	-17.2	-21.6	5158.8		+982	-63	728.548	2,561,459
219	1317		340'11"			6.8	90°50'	-19.2	-26.0	5154.4		+1312	-113	728.878	2,561,409
220	1647		"			6.3	90°50'	-23.9	-30.2	5150.2		+1641	-141	729.207	2,561,381
221	1977		340°49'			8.4	90°40'	-22.9	-31.3	5149.1		+1977	-148	729.537	2,561,374
222	2305		340°52'			6.2	90°40'	-26.7	-32.9	5147.5		+2299	-170	729.865	2,561,352
223	2633		340°44'	+14.5		11.9	90°30'	-22.8	-34.7	5145.7		+2625	-200	730.191	2,561,322

Y-728,550
X-2,561,440

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-23-84		R. Troutbridge		B. Cotcamp		6834		B.C.W.		8		22			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Evans Cyn. 25		Calif.		Sierra								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5180.4						
224	2956		342°02'	14.9	8.1	90°30'	-25.6	-33.7		5146.7		+2952	-158	730,518	2,561,364
225	3277		343°22'	↓	10.5	90°20'	-18.8	-29.3		5151.1		+3276	-99	730,842	2,561,423
226	3605		343°46'41"	↓	10.3	90°20'	-20.7	-31.0		5149.7	TP	+3604	-83	731,170	2,561,439
TP	"				9.8	269°40'	-20.7	-30.5	-30.73		TP				
BS	1509		117°39'06"	14.9	8.2	88°40'	-35.2	-27.0			BS	+1507	+67		
BS	"				12.6	88°30'	-39.5	-26.9	5122.8		BS				
227	1193		164°39'	14.9	10.0	88°20'	+34.7	+24.7		5147.5		-1193	+10	731,484	2,561,516
228	864		163°10'		10.1	88°50'	+17.6	+7.5		5130.3		-864	+29	731,813	2,561,535
229	537		160°12'		8.5	88°50'	+10.9	+2.4		5125.2		-535	+46	732,142	2,561,552
230	220		145°09'		8.3	89°30'	+9.6	+1.3		5124.1		-267	+75	732,470	2,561,581
π	—		—		—	—	—	—			π	0	0	732,677	2,561,566
231	199		42°11'		10.3	89°30'	+8.7	-1.6		5121.2		+108	+167	732,785	2,561,673
232	501		17°48'		8.0	89°20'	+5.8	-2.2		5120.6		+422	+271	733,099	2,561,777
233	830		15°52'		6.9	90°—	—	-6.9		5115.9		+713	+425	733,390	2,561,931
234	1158		14°16'		9.5	90°—	—	-9.5		5113.3		+1011	+564	733,688	2,562,070
235	1488		13°35'		13.1	90°—	—	-13.1		5109.7		+1308	+710	733,985	2,562,216
236	1818		13°42'		11.1	90°—	+0.1	-11.0		5111.8		+1596	+870	731,273	2,562,376
237	2146		14°38'		12.9	T.H.	+10.7	-2.7		5120.7		+1867	+1058	734,544	2,562,564
238	2468		12°52'	✓	9.6	89°40'	+14.5	+4.9		5127.7		+2184	+1150	734,861	2,562,656
239	2789		11°15'	14.9	12.0	89°40'	+16.4	+4.4		5127.2		+2504	+1229	735,181	2,562,735

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	10-23-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B.C. W	LINE NO.	8	PAGE	23
AREA	Nevada	TOPO MAP	Evans Cyn - Reno NW Calif	STATE	Nev.	COUNTY	Sterling - Washoe	TWP		RANGE	PPM	PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									51228										
240	3111		09°53'	14.9	12.9	89°40'	+18.3	+5.4		5128.2		+2824	+1304	735.501	2,562.810			Left Str. Wolf Creek	
TP	3174		09°31'42"	14.9	13.0	89°40'	+18.7	+5.7		5128.7	TP	+2890	+1313	735.87	2,562.819			Y-735.525 X-2,562.815	
"	"				12.6	220°20'	+18.7	+6.1	+59.3		TP							California Zone #2	
BS	973		~		+2.7	T.H.	-4.9	-2.2	5126.5		BS								
"	"		~		+14.7	89°	-17.0	-2.3			BS							offset	
TP	2859		~		7.0	90°30'	-24.8	-31.8			TP							Reno N.W. - 1/2' ↓	
241	"		~		6.5	219°30'	-24.8	-31.3	-31.3	5095.0	TP			1,797,705	102,300			Nevada West Zone	
BS	4101		244°51'21"	17.62	+10.0	89°34'30"	-30.8	-20.8	5073.8		BS							TK. NEVADA WEST ZONE SECTION CORNER EL. 5094.4 Y-1,797,705 X-102,300	
BS	"		"		+10.0	270°26'	-31.4	-21.4	-21.27		BS	+537	+4066						
242	3771		"	"	11.2	89°40'	+22.2	+11.0		5084.8		-494	-3738	1,797,748	102,628				
243	3442		"	"	7.1	89°50'	+10.3	+3.2		5077.0		-451	-3412	1,797,791	102,954				
244	3112		244°40'	"	9.6	89°50'	+9.3	-0.3		5073.5		-418	-3084	1,797,824	103,282				
245	2783		244°16'	"	13.3	89°50'	+8.3	-5.0		5068.8		-393	-2755	1,797,849	103,611				
246	2453		'	"	8.3	89°50'	+7.3	-1.0		5072.8		-346	-2428	1,797,896	103,938				
247	2124		244°01'	"	7.6	89°50'	+6.3	-1.3		5072.5		-309	-2101	1,797,933	104,265				
248	1799		242°35'	"	7.9	89°50'	+5.3	-2.6		5071.2		-306	-1773	1,797,936	104,593				
249	1489		238°44'	"	9.6	90°		-9.6		5064.2		-351	-1447	1,797,891	104,919				
250	1171		235°02'	"	10.0	B.A.	-5.9	-15.9		5057.9		-349	-1118	1,797,893	105,248				
Well	931		229°44'43"	"	4.7	90°	-16.2	-20.9		5052.9	A	-358	-859	1,797,884	105,507			Y-1797.900 X-105,500	
251	842		234°56'	17.62	12.3	90°20'	-4.9	-17.2		5056.6		-252	-803	1,797,990	105,563				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-23-84		R. Trowbridge		B. Coteano		6834		B. C. L.		8		24			
ARE		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Reno N.W. - 7 1/2		Nev.		Washoe								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS A TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5073.8						
252	518		229°41'	17.62	12.4	90 -		-12.4		5061.4		-200	-478	1,798,042	105,888
253	192		223°06'	"	7.4	90 -		-7.4		5066.4		-94	-167	1,798,148	106,199
	~		~								A	0	0	1,798,242	106,366
254	150		359°40'	17.62	4.6	89° -	+2.6	-2.0		5071.8		+143	+45	1,798,385	106,411
255	480		"	"	7.7	89 -	+8.4	+0.7		5074.5		+458	+143	1,798,700	106,509
256	808		0°39'	"	13.2	89° -	+14.1	+0.9		5074.7		+763	+267	1,799,005	106,633
257	1137		02°26'	"	10.0	89°20'	+13.2	+3.2		5077.0		+1068	+390	1,799,310	106,756
TP	1280		03°21'05"	17.62	11.1	89°20'	+14.9	+3.8		5077.7	TP	+1195	+458	1,799,437	106,824
"	"		28°58'15"		10.9	27°40'	+14.9	+4.0	+393		TP				
BS	3442		185°41'52"	17.62	10.0	89°50'	-10.3	-0.3	5077.4		BS	+3156	+1374		
"	"				+7.0	89°53'	-7.3	-0.3			BS				
258	3263		185°18'	"	10.1	90 -	+0.2	-9.8		5067.6		-3005	-1271	1,799,588	106,927
259	2933		185°08'	"	8.0	90°10'	-8.4	-16.4		5061.0		-2705	-1134	1,799,888	107,064
260	2605		184°32'	"	7.6	90°10'	-7.4	-15.0		5062.4		-2413	-982	1,800,180	107,216
261	2275		"	"	6.3	90°10'	-6.5	-12.8		5064.6		-2107	-858	1,800,486	107,340
262	1957		"	"	12.0	90 -		-12.0		5065.4		-1813	-738	1,800,780	107,460
263	1628		"	"	11.7	90 -		-11.7		5065.7		-1508	-614	1,801,085	107,584
264	1310		187°10'	"	10.8	90 -		-10.8		5066.6		-1189	-549	1,801,404	107,649
Δ	1151		187°42'00"	"	10.0	90 -		-10.0		5067.4	Δ	-1040	-492	1,801,553	107,706
265	987		186°46'	17.62	9.8	90 -		-9.8		5067.6		-899	-408	1,801,694	107,790

Y-1801600
X-107750 1/2

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10-23-84	INSTRUMENT MAN R. Trowbridge	ROD MAN B. Cotecamp	PARTY NUMBER 6834	NOTES CHECKED BY W	LINE NO. 8 B.C.	PAGE 25
AREA Nevada	TOPO MAP Reno N.W. - 7 1/2	STATE Nev.	COUNTY Washoe	TWP	RANGE	PPM
				PARTY MANAGER L. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
									5077.4									
266	657		185°24'	1762	8.5	90° -		-8.5		5068.9		-605	-257	1,801,988	107,941			
267	330		189°02'	"	7.0	90° -		-7.0		5070.4		-295	-148	1,802,298	108,050			
268	—		—	"	5.1	—		-5.1		5072.3	⌘	0	0	1,802,593	108,198			
269	330		03°33'	"	7.4	89°20'	+3.8	-3.6		5073.8		+308	+119	1,802,901	108,317			
15	316		03°48'06"	"	7.1	89°20'	+3.7	-3.4		5074.0	Δ	+294	+115	1,802,887	108,313			Y-1802,940 X-108,370
270	660		05°32'	"	9.2	89°20'	+7.7	-1.5		5075.9		+607	+260	1,803,200	108,458			
271	989		"	"	10.3	89°20'	+11.5	+1.2		5078.6		+909	+389	1,803,502	108,587			
272	1318		"	"	12.0	89°20'	+15.3	+3.3		5080.7		+1212	+518	1,803,805	108,716			
273	1649		06°18'	"	13.4	89°20'	+19.2	+5.8		5083.2		+1507	+669	1,804,100	108,867			
274	1977		07°05'	1762	8.9	89°30'	+17.3	+8.4		5085.8		+1796	+826	1,804,389	109,024			
275	2307		07°18"	"	9.6	89°30'	+20.2	+10.6		5088.0		+2092	+972	1,804,685	109,170			
276	2636		08°00'	"	10.0	89°30'	+23.1	+13.1		5090.5		+2377	+1190	1,804,970	109,338			
277	2962		08°43'	"	10.7	89°30'	+26.0	+15.3		5092.7		+2655	+1314	1,805,248	109,512			
278	3281		09°30'	"	8.3	89°30'	+28.9	+20.6		5098.0		+2920	+1496	1,805,513	109,694			
TP	3473		09°24'28"	1762	10.0	89°23'	+37.6	+27.6		5105.0	TP	+3094	+1578	1,805,687	109,776			
TP	"				5.0	270°32'	+32.6	+27.6			TP							
BS	1780		189°59'20'	1762	9.8	B.H.	+8.9	+18.7	51235		BS	+1577	+825					
BS	"				9.4	270° B.H.	+8.9	+18.3	+18.5		BS		-1					
279	1643		190°30'	"	6.3	90°30'	-14.3	-20.6		5102.9		-1449	-774	1,805,815	109,826			
280	1315		189°05'	"	7.1	90°20'	-7.7	-14.8		5108.7		-1175	-591	1,806,089	110,009			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	10-24-84	INSTRUMENT MAN	R. Tronbridge	ROD MAN	B. Colman	PARTY NUMBER	6831	NOTES CHECKED BY	B. C. K.	SHEET NO.	8	PAGE	26
AREA	Nevada	TOPO MAP	RENO N.W. - 7 1/2	STATE	Nev	COUNTY	Washoe	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
									5123.5									
281	987		189°04'	17.62	8.1	90°20'	-5.7	-13.8		5109.7		-882	-443	1,806,382	110,157			
282	660		190°28'	"	8.5	90°20'	-3.8	-12.3		5111.2		-582	-311	1,806,682	110,289			
283	329		192°17'	"	7.6	90°20'	-1.9	-9.5		5114.0		-285	-164	1,806,979	110,436			
284	0		~	"	-5.1			-5.1		5118.4	TP	0	0	1,807,264	110,600			
285	323		140°28'	"	10.5	88°30'	+8.5	-1.9		5121.6		+274	+172	1,807,538	110,772			
286	641		22°24'	"	12.9	88°30'	+16.8	+3.9		5127.4		+491	+412	1,807,755	111,012			
287	967		25°48'	"	8.8	89° -	+16.9	+8.1		5131.6		+702	+665	1,807,966	111,265			
Δ	1231		25°52'	"	9.6	89° -	+21.5	+11.9		5135.4	Δ	+893	+847	1,808,157	111,447	Y-1,808,190 X-111,490		
288	1296		25°58'	"	9.7	89° -	+22.7	+13.0		5136.5		+939	+894	1,808,203	111,494			
N	1518		24°09'	"	7.6	89° -	+26.5	+18.9		5142.4		+1132	+1011	1,808,396	111,611	Y-1,808,455 X-111,685		
289	1613		23°43'	"	6.5	89° -	+28.2	+21.7		5145.2		+1211	+1065	1,808,475	111,665			
290	1933		21°38'12"	17.62	8.8	88°50'	+39.4	+30.6			TP	+1496	+1223	1,808,760	111,822			
290	1933				8.5	291°10'	+39.4	+30.9	+30.83	5154.3	TP		-1					
BS 290	2140		000		+12.1	93° -	+111.9	+124.0	5278.1		BS	+2033	+660					
"	"		(197°59'20")	0	+11.7	267° -	+111.9	+123.6	+123.83		BS							
291	1811		359°07' (197°06')		11.2	93°20'	-105.4	-116.6		5161.5		-1734	-533	1,809,059	111,949			
292	1487		358°49' (196°48')		9.4	93°40'	-95.1	-104.5		5173.6		-1424	-430	1,809,369	112,052			
293	1160		359°05' (197°04')		8.5	94° -	-80.9	-89.4		5188.7		-1109	-340	1,809,684	112,142			
294	839		02°43' (200°42')		7.7	93°50'	-56.1	-63.8		5214.3		-785	-297	1,810,008	112,185			
295	517		359°03' (197°02')		7.6	93°50'	-34.6	-44.2		5233.9		-494	-151	1,810,299	112,331			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-24-84		R. Trumbull		B. Colcamp		6834		B.C.B.		8		27			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		RENO N.W. - 7 1/2'		Nevada		Washoe								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
									5278.1						
296	210		359°03' (91°02')		6.9	93°50'	-14.0	-20.9		5257.2		-201	-62	1,810,592	112,420
297	93		252°59' (90°58')		10.8	90°40'	-1.1	-11.9		5266.2		0	0	1,810,793	112,482
298	423		" (90°58')		10.1	"	-4.9	-15.0		5263.1		-2	+93	1,810,791	112,575
299	653		252°00'30" (89°59'50')		11.5	90°40'	-7.6	-19.1		5259.0		-7	+423	1,810,786	112,905
300	776		245°24' (83°23')		7.0	90°40'	-8.0	-15.0		5263.1		+0.0	+653	1,810,793	113,135
301	995		220°23' (58°22')		11.8	88°30'	+20.3	+8.5		5286.6		+79	+681	1,810,872	113,163
302	1271		204°15' (42°14')		11.9	89°40'	+40.5	+28.6		5306.7		+407	+661	1,811,200	113,143
303	1575		195°13' (33°12')		10.0	89°18'	+59.9	+49.9		5328.0		+737	+669	1,811,530	113,151
304	1842		191°31' (29°30')		6.7	87°-	+82.4	+75.7		5353.8		+1064	+696	1,811,857	113,178
305	2165		185°12' (23°11')		9.5	86°30'	+112.5	+103.0		5381.1		+1371	+776	1,812,164	113,258
306	2465		184°04' (22°03')		10.9	86°30'	+132.3	+121.4		5399.5		+1693	+725	1,812,486	113,207
TP ₂	"		186°25'46" (24°25'06")		8.4	86°40'	+143.5	+135.1		5413.4	TP	+2007	+813	1,812,800	113,295
TP ₁	"		000		8.1	87°20'	+143.5	+135.4	535.33	5413.4	TP	+2241	+1017	1,813,034	113,499
306	"		000		+4.95			+5.0	5418.4		TP	0	0	1,813,034	113,499
307	327		192°20' (36°45')		5.5	88°-	+11.4	+5.9		5424.3		+262	+96	1,813,295	113,695
308	540		191°40'38" (36°05'44")		8.2	88°-	+18.8	+10.6		5429.0		+436	+318	1,813,470	113,817
308	580		191°01'45" (35°32'51")		4.8	88°20'	+16.4	+11.6		5430.0		+472	+337	1,813,506	113,836
308	654		192°04' (36°29')		9.0	88°10'	+26.9	+11.9		5430.3		+526	+389	1,813,560	113,888

Y-1,810,830
X-113,195

Y-1,813,500
X-113,870

Sun Shot from A

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-24-84		R. Trowbridge		B. Cotchand		6834		B.C.E.		8		28			
AREA		TOPG. MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Reno N.W.-7 1/2"		NV.		Washoe								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5418.4						
309	980		192°02' (312°27')		13.4	85°10'	+31.4	+18.0		5436.4		+788	+582	1,813.822	114,081
310	1291		188°12'31"		2.6	88°10'	+41.3	+33.7			TP	+1087	+696	1,814.121	114,197
TP ₁	"	Correct R.M.T. →	188°12'31" (32°37'37")		11.3	88°00'	+45.1	+33.8		5452.2	TP		+2		Range Pole Az.
TP ₂	~		000												
310	~		000		+5.1			+5.1	5457.3		K	0	0	1,814,121	114,197
311	330		185°56' (38°34')		12.6	88° -	+11.5	-1.1		5456.2		+258	+206	1,814,379	114,403
312	647		176°23' (29°01')		23.3	88° -	+22.6	-0.7		5456.6		+566	+314	1,814,687	114,511
313	971		172°22' (25°00')		11.0	88° -	+33.9	+22.9		5480.2		+880	+410	1,815,001	114,607
TP ₄	1406		170°58'24"		4.3	88° -	+49.1	+44.8			TP	+1288	+563	1,815,409	114,762
"	"		(23°36'01")		4.2	88° -	+49.1	+44.9		5502.2	TP		+2		
TP ₃	~		000												
TP ₁	~		000		+5.1			+5.1	5507.3		K	0	0	1,815,409	114,762
314	132		24°52' (228°28')		11.7	92° -	-4.6	-16.3		5491.0		-88	-99	1,815,321	114,663
315	257		109°30'42" (313°06'43')		8.7	89° -	+4.5	-4.2		5503.1		+176	-188	1,815,585	114,574
315	302		109°47' (311°23')		7.4	89° -	+5.3	-2.1		5505.2		+206	-227	1,815,609	114,535
316	616		094°50' (298°26')		8.9	88° -	+21.5	+12.6		5519.9		+293	-542	1,815,702	114,220
317	941		076°40' (300°16')		9.7	87°40'	+38.3	+28.6		5535.9		+474	-813	1,815,883	113,949
TP ₅	1476		98°55'42"		8.6	89°30'	+64.4	+55.8			TP	+793	-1243	1,816,202	113,521
"	"		(302°31'43")		8.4	272°30'	+64.4	+56.0	+55.9	5563.2	TP		+2		
TP ₄	~		000												
TP ₅	~		000		+5.05			+5.1	5568.3		K	0	0	1,816,202	113,521

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	10-24-84	INSTRUMENT MAN	R. Kowbridge	ROD MAN	B. Coburn	PARTY NUMBER	6834	NOTES CHECKED BY	B. Coburn	LINE NO.	8	PAGE	29	
AREA	Nevada	TOPO MAP	Reno N.W. - 7 1/2	STATE	NV.	COUNTY	Washoe	TWP		RANGE		PPM	PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									5568.3										
318	220		349°09' (111°41')		9.5	92° -	-7.7	-17.2		5551.1		-81	+204	1,816.121	113.725				
319	319		253°26' (15°58')		2.3	88° -	+7.6	+0.3		5568.6		+211	+60	1,816.413	113.581				
320	264		246°30'46" (09°02'29")		6.2	88° -	+9.2	+3.0		5571.3	△	+261	+41	1,816.463	113.562			X-1,816.495 Y-113,610	
320	538		242°49' (5°21')		5.3	88° -	+18.8	+13.5		5581.8		+536	+50	1,816.738	113.571				
321	865		241°39' (4°11')		5.0	88° -	+30.2	+25.2		5593.5		+863	+63	1,817.065	113.584				
322	1195		241°17' (3°49')		5.0	89°50'	+45.2	+38.2		5606.5		+1192	+80	1,817.394	113.601				
323	1525		239°51' (2°23')		6.4	89°50'	+57.7	+51.3		5619.6		+1524	+63	1,817.726	113.584				
TP	1886	18847	240°45'16"		5.8	89°50'	+71.4	+65.6			TP	+1882	+108	1,818.084	113.631				
"	"		(03°16'59")		11.0	272°20'	+76.9	+65.9	+65.8	5634.1	TP		+2						
TP	~		000								π	0	0	1,818.084	113.631				
TP	~		000		+4.95			+5.0	5639.1		π	0	0	1,818.084	113.631				
324	51		48°28' (231°45')		2.1	90° -		-7.1		5632.0		-32	-46	1,818.052	113.591				
325	307		160°27' (343°44')		5.0	88° -	+10.7	+5.7		5641.8		+295	-86	1,818.379	113.545				
326	635		161°29" (344°46')		8.0	89°40'	+25.9	+17.9		5657.0		+613	-167	1,818.697	113.464				
327	963		" (")		9.3	89°40'	+39.2	+29.9		5669.0		+929	-253	1,819.013	113.378				
328	1292		" (")		10.0	89°40'	+52.6	+42.6		5681.7		+1247	-339	1,819.331	113.292				
329	1613		159°25' (342°42')		10.4	89°40'	+65.7	+55.3		5694.4		+1540	+480	1,819.624	113.151				
TP	2459	2456	159°33'31"		10.7	89°10'	+121.7	+111.6			TP	+2347	-725	1,820.430	112.908				
"			(342°50'30")		10.3	272°50'	+121.7	+111.4	+111.2	5750.3	TP	-1	+2						
TP	~		000								π	0	0	1,820.430	112.908				
TP	~		000		+5.05			+5.1	5755.4		π	0	0	1,820.430	112.908				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	10-24-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B.C. [initials]	LINE NO.	8	PAGE	30
AREA	Nevada	TOPO MAP	Reno N.W. - 7 1/2'	STATE	NV.	COUNTY	Washoe	TWP		RANGE	PPM	PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5755.4						
330	523		05°29' (1168°20')		10.3	940-	-36.5	-46.8		5708.6		-512	+106	1,817,918	113,014
331	219		34°21' (1470°11')		8.9	96°-	-22.9	-31.8		5723.6		-184	+119	1,820,246	113,027
332	202		24°48' (1440°39')		10.3	91°-	-3.5	-13.8		5741.6		+144	+142	1,820,374	113,050
333	485		21°18' (1400°9')		8.7	89°-	+8.5	-0.2		5755.2		+470	+119	1,820,960	113,027
334	814		213°49' (116°40')		10.2	88°20'	+23.7	+13.5		5768.9		+780	+233	1,821,210	113,141
335	1141		216°16' (190°0')		5.6	88°20'	+33.2	+27.6		5783.0		+1078	+374	1,821,508	113,282
336	1460		212°48' (15°39')		8.3	88°-	+51.0	+42.7		5798.1		+1406	+394	1,821,836	113,302
337	1783		210°37' (13°28')		8.2	87°50'	+67.5	+59.3		5814.7		+1734	+415	1,822,164	113,323
TP ₃	2898		208°46'11"		7.1	87°30'	+126.6	+119.5		5875.2	TP	+2836	+583	1,823,264	113,493
"	"		(11036'41")		14.9	272°40'	+135.0	+120.1	+119.83		TP	-2	+2		
TP ₄	~		000												
TP ₅	~		000		+4.9			+4.9	5880.1		π	0	0	1,823,264	113,493
338	793		00°30' (192°06')		7.4	93°-	-41.5	-48.9		5831.2		-775	-166	1,822,489	113,327
339	469		04°51' (196°28')		7.7	93°-	-24.5	-32.2		5847.9		-450	-133	1,822,814	113,360
340	142		03°59' (195°36')		6.9	93°-	-7.4	-14.3		5865.8		-137	-38	1,823,127	113,455
341	187		181°17' (12°54')		5.9	87°-	+9.8	+3.9		5884.0		+182	+42	1,823,446	113,535
342	517		179°45' (11°22')		6.2	87°-	+27.1	+20.9		5901.0		+507	+102	1,823,771	113,595
343	844		182°55' (14°32')		5.4	87°-	+44.2	+38.8		5918.9		+817	+212	1,824,081	113,705
344	1170		182°30' (14°07')		8.0	86°40'	+68.1	+60.1		5940.2		+1135	+285	1,824,379	113,778
345	1493		179°47' (11°24')		9.0	86°30'	+91.2	+82.2		5962.3		+1464	+295	1,824,728	113,788

Reno N.W. - 7 1/2' ↑
Granite Peak - 7 1/2' ↓

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	10-24-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B. W.	SHEET NO.	8	PAGE	31
AREA	Nevada	TOPO MAP	GRANITE Peak-7 1/2"	STATE	NV.	COUNTY	Washoe	RANGE		PPM		PARTY MANAGER	L. DAVIS

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									5880.1					
346	1818		179°08' (10°45')		9.8	86°38'	+111.1	+101.3		5981.4		+1786	+339	1,825,050 113,832
TP _g	2193		176°46'48"		9.6	86°20'	+140.3	+136.7			TP	+2165	+319	1,825,427 113,814
"	"		(08°23'29")		9.3	273°40'	+140.3	+131.0	+1309.3	6011.0	TP	-2	+2	
TP _g	~		0000											
TP _g	~		0000		+5.0			+5.0	6016.0		X	0	0	1,825,427 113,814
347	78		22°30' (210°53')		8.2	94° -	-5.4	-13.6		6002.4		-67	-40	1,825,368 113,774
348	265		104°54' (353°17')		8.9	85° -	+23.1	+14.2		6030.2		+263	-31	1,825,690 113,783
349	587		171°19' (359°43')		8.6	86° -	+41.0	+32.4		6048.4		+587	-3	1,826,014 113,811
350	891		166°28' (359°51')		6.9	86° -	+62.2	+55.3		6071.3		+887	-80	1,826,314 113,734
A?	1075		169°41'40" (358°05'09")		5.4	86° -	+75.0	+69.6		6085.6	A	+1072	-36	1,826,499 113,778
351	1207		170°35' (358°56')		5.8	86° -	+84.2	+78.4		6094.4		+1207	-22	1,826,634 113,792
352	1533		172°22' (0°45')		5.3	86° -	+107.0	+101.7		6117.7		+1533	+20	1,826,960 113,834
TP _g	2066	2060.5	171°09'48"		6.0	85°50'	+150.2	+144.2			TP	+2060	-16	1,827,485 113,800
"	"		(359°33'17")		11.7	274°20'	+156.2	+144.5	+144.3	6160.4	TP	-2	+2	
TP _g	~		0000											
TP _g	~		0000		+5.0			+5.0	6165.4		X	0	0	1,827,485 113,800
353	230		331°30' (156°00')		13.4	93° -	-12.0	-25.4		6140.0		-216	+93	1,827,275 113,893
354	247		250°04' (151°37')		10.9	88° -	+8.6	-2.3		6163.1		+86	+232	1,827,571 114,032
355	548		231°55' (51°28')		10.0	88° -	+19.1	+9.1		6174.5		+341	+429	1,827,826 114,229
356	871		230°44' (50°17')		11.3	88° -	+30.4	+19.1		6184.5		+557	+670	1,828,042 114,470

Y-1826,500
X-113,800

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	10-24-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.W.	LINE NO.	8	PAGE	32
AREA	Nevada	TOPO MAP	GRANITE Peak-7 1/2	STATE	Nev.	COUNTY	Washoe	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									6165.4						
TP ₁₀	839		231°46'24"		10.2	88°30'	+22.0	+11.8		6177.2	TP	+524	+655	1,828,008	114,456
"	"		(51°19'41")		5.4	88°50'	+17.1	+11.7		TP	-	-	-	-	
TP ₉	~		000							6182.2	TP	0	0	1,828,008	114,456
TP ₁₀	~		000		+49.5			+5.0		TP					
359	364		160°40' (32°00')		9.3	90° -		-9.3		6172.9		+309	+193	1,828,317	114,649
358	687		158°44' (30°04')		11.7	91° -	-12.0	-23.7			6158.5		+595	+344	1,828,603
TP	839		162°49'51"		10.6	90° -		-10.6			TP	+698	+465	1,828,705	114,922
TP			(33°39'32")		6.3	B.H.	-4.2	-10.5		TP			-	-	
TP	~		000							6176.6	TP	0	0	1,828,705	114,922
TP	~		000		+4.9			+4.9		TP					
359	184		157°04' (10°44')		9.4	98° -	-25.6	-35.0		6141.6		+181	+34	1,828,886	114,956
360	484		182°54' (36°34')		13.1	95° -	-42.2	-55.3		6121.3		+389	+288	1,829,094	115,210
361	810		89°08' (40°48')		11.7	94° -	-36.5	-68.2		6108.4		+613	+529	1,829,318	115,451
362	1136		188°01' (4°41')		9.3	93°40'	-72.6	-81.9		6094.7		+848	+755	1,829,553	115,677
363	1462		181°06' (3°46')		9.9	93°10'	-80.7	-90.6		6086.0		+1124	+935	1,829,829	115,857
364	1788		186°03' (3°43')		12.0	92°40'	-83.1	-95.1		6081.5		+1375	+1143	1,830,080	116,065
365	2110		187°47' (41°27')		10.5	92°30'	-91.9	-102.4		6074.2		+1582	+1397	1,830,287	116,319
A	2376		188°24'05" (42°04')		8.7	92°20'	-96.7	-105.4		6071.2	A	+1765	+1593	1,830,470	116,515
366	2436		181°52' (40°32')		9.8	92°10'	-92.0	-101.8		6074.8		+1851	+1583	1,830,556	116,505
367	2738		184°04' (3°04')		8.3	91°50'	-87.4	-95.7		6080.9		+2165	+1676	1,830,870	116,598

Y - 1,830,470
X - 116,510
6016.0
El. 1957.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	10-24-84	INSTRUMENT	R.T. Doublebridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.W.	LINE NO.	8	PAGE	33
AREA	Nevada	TOPO MAP	Granite Peak-7 1/2	STATE	Nev.	COUNTY	Washoe	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									6176.6					
368	3051		182°01' (35°41')		12.3	91°30'	-79.7	-92.0		6084.6		+2478	+1780	1,831,183 116,702
369	3373		180°51' (34°31')		13.5	91°20'	-78.3	-91.8		6084.8		+2779	+1911	1,831,481 116,833
370	3695		179°42' (33°22')		11.0	91°20'	-85.7	-96.7		6079.9		+3086	+2032	1,831,791 116,954
TP ₁₁	4100	4099.2	179°14' 36"		12.3	91°10'	-83.1	-95.4			TP	+3517	+2105	1,832,221 117,028
"	"		(30°54'08")		12.0	216°50'	-83.1	-95.1	-95.2	6081.4	TP	-	+	
TP ₁₀	~		000											
TP ₁₁	~		000	+5.0				+5.0	6086.4		X	0	0	1,832,221 117,028
371	112		331°34' (182°28')		9.1	90° -		-9.1		6077.3		-112	-5	1,832,109 117,023
W	61		311°18' (162°12'08")		8.5	90° -		-8.5		6077.9	Δ	-58	+19	1,832,163 117,047
372	214		172°24' (23°18')		8.6	92° -	-7.5	-16.1		6070.3		+197	+85	1,832,418 117,113
373	531		163°41' (14°35')		7.7	92° -	-18.5	-26.2		6060.2		+514	+134	1,832,735 117,162
TP ₁₂	740		158°15' 24"		2.5	91° -	-12.9	-15.4		6071.0	TP	+730	+118	1,832,950 117,147
"	"		(9°09'32")		11.8	B.H.	-3.7	-15.5			TP	-	+	
TP ₁₁	~		000											
TP ₁₂	~		000	+4.9				+4.9	6075.9		X	0	0	1,832,950 117,147
374	112		179°48' (28°42')		6.7	92°30'	-4.9	-11.6		6064.3		+111	+14	1,833,061 117,161
375	437		163°56' (14°50')		6.0	92° -	-15.2	-21.2		6054.7		+434	-53	1,833,384 117,094
376	766		161°37' (12°31')		9.7	92° -	-26.7	-36.4		6039.5		+756	-123	1,833,706 117,024
TP ₁₃	1279	1277.8	176°31' 48"		14.5	92° 30'	-55.8	-70.3		6005.6	TP	+1271	+129	1,834,220 117,277
"	"		(5°47'20")		10.8	92°40'	-59.5	-70.3			TP	-	+	

Y-1,832,015
X-117,085

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	10-24-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.W.	LINE NO.	8	PAGE	34
AREA	Nevada	TOPO MAP	GRANITE Peak-7 1/2	STATE	Nev.	COUNTY	Washoe	TWP		RANGE	PPM	PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
TP ₁₂	~		000							6005.6				
TP ₁₃	~		000		+495			+5.0	6010.6		X	0	0	1,834,220 117,277
377	319		47°28' (233°15')		10.3	86° -	+22.3	+12.0		6022.6		-191	-256	1,834,029 117,021
#	284		102°49' 1/2 (288°36' 32")		11.7	91° -	-5.0	-16.7		5993.9		+91	-269	1,834,311 117,008
378	225		112°22' (297°09')		13.0	92° -	-7.9	-20.9		5989.7		+103	-200	1,834,323 117,077
379	245		176°00' (21°47')		12.2	95° -	-21.4	-33.6		5977.0		+228	+91	1,834,448 117,368
380	541		218°54' (44°41')		4.7	95° -	-47.1	-51.8		5958.8		+385	+380	1,834,605 117,657
381	867		217°47' (43°34')		8.3	94°30'	-68.0	-76.3		5931.3		+628	+598	1,834,848 117,875
382	1196		218°18' (44°05')		7.7	94°30'	-93.8	-101.5		5909.1		+859	+832	1,835,079 118,109
TP ₁₄	1439	1434.6	221°08' 54"		6.7	94°30'	-112.9	-119.6		5891.0	TP	+980	+1048	1,835,199 118,326
"	"		(46°55' 46")		10.9	94°20'	-108.7	-119.6			TP	-	+	

Y-1,834,325
X-117,620

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-25-84		L. Trowbridge		B. Colman		6834		B.C.W.		8		35			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Granite Peak-7 1/2		Nev.		WASHOE								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₁₄	~		208°53'53"	17.7						5891.0					Magnetics
TP	~			+5.1				+5.1	5896.1		⌈	0	0	1,835,199	118,326
383	77		42°21'	"	5.6	95° -	-6.7	-12.3		5883.8		+38	+67	1,835,237	118,393
384	401		39°11'	"	13.4	95° -	-34.9	-48.3		5847.8		+219	+336	1,835,418	118,662
385	728		35°20'	"	12.7	95° 10'	-65.5	-78.2		5817.9		+438	+582	1,835,637	118,908
386	1057		35°05'	"	12.6	95° -	-92.1	-104.7		5791.4		+639	+842	1,835,838	119,168
387	1387		"	"	5.0	95° -	-120.8	-125.8		5770.3		+839	+1105	1,836,038	119,431
388	1717		"	"	10.0	94°30'	-134.7	-144.7		5751.4		+1038	+1367	1,836,237	119,693
389	2047		"	"	10.9	94°10'	-148.6	-159.5		5736.6		+1238	+1630	1,836,437	119,956
390	2377		"	17.7	9.9	94° -	-165.7	-175.6		5726.5		+1438	+1893	1,836,637	120,219
391	2706		"	"	5.5	94° ~	-188.6	-194.1		5702.0		+1637	+2155	1,836,836	120,481
392	3035		34°12'	"	8.3	93°50'	-202.7	-211.0		5685.1		+1873	+2388	1,837,072	120,714
393	3365		33°55'	"	11.8	93°40'	-215.6	-226.8		5669.3		+2089	+2638	1,837,288	120,964
394	3694		"	"	8.5	93°35'	-230.6	-239.1		5657.0		+2294	+2896	1,837,493	121,222
395	4023		"	"	9.5	93°27'	-241.8	-251.3		5644.8		+2498	+3154	1,837,697	121,480
396	4353		33°44'	"	5.0	93°20'	-252.7	-257.7		5638.4		+2714	+3404	1,837,913	121,730
397	4682		"	"	13.4	93° -	-244.6	-258.0		5638.1		+2919	+3661	1,838,118	121,987
398	4998		32°31'	"	10.5	93°07'	-271.2	-281.7		5614.4		+3198	+3841	1,838,317	122,167
399	5316		31°29'	"	11.1	92°54'	-268.4	-279.5		5616.6		+3475	+4023	1,838,674	122,349
400	5632		30°49'	17.7	10.5	92°20'	-278.6	-289.1		5657.0		+3731	+4219	1,838,930	122,545

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
10-25-84		R. Trowbridge		B. Cotcamp		6834		B. C. W.		8		36			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		GRANITE Peak-7 1/2'		Nev.		Washoe								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5896.1						
TP	5827	5823.5	30°37'00"	17.7	10.7	92° -	-202.7	-213.4			TP	+3873	+4349	1,839,071	122,676
TP	"	"	"	"	10.9	268° -	-202.7	-213.6	213.53	5682.6	TP	-	-		
BS	2170	2168.5	197°37'18"	17.7	11.2	92°10'	+81.9	+93.1			BS	+1769	+1254		
BS	"	"	"	"	5.0	92°20'	+88.3	+93.3	5775.9		BS	-	-		
401	2037		198°33'	"	7.5	92°30'	-88.9	-96.4		5679.5		-1643	-1205	1,839,196	122,726
402	1708		198° -	"	10.0	92°30'	-74.4	-84.4		5691.5		-1387	-997	1,839,452	122,934
403	1378		197°11'	"	10.2	92°40'	-64.1	-74.3		5701.6		-1130	-788	1,839,709	123,143
404	1052		195°11'	"	10.1	93°30'	-64.2	-74.3		5701.6		-883	-571	1,839,956	123,360
405	728		191°33'	"	11.1	94°20'	-55.0	-66.1		5769.8		-635	-356	1,840,204	123,575
406	414		199°29'	"	8.6	94°20'	-31.3	-39.9		5736.0		-330	-250	1,840,509	123,681
407	214		251°48'	"	13.4	91°40'	-6.2	-19.6		5756.3		-2	-214	1,840,837	123,717
π	~		~	17.7	-						π	○	○	1,840,839	123,931
408	180		329°42'	"	9.4	100°50'	-33.8	-43.2		5732.7		+176	-39	1,841,015	123,892
409	392		027°16'	"	9.7	98°10'	-55.7	-65.4		5710.5		+277	+277	1,841,116	124,208
410	698		40° -	"	9.0	95°30'	-66.9	-75.9		5700.0		+373	+590	1,841,212	124,521
411	1014		41° -	"	10.0	95° -	-88.4	-98.4		5677.5		+449	+909	1,841,288	124,840
412	1302		52°01'	"	10.0	94° -	-96.8	-100.8		5675.1		+451	+1221	1,841,290	125,152
413	1626		51°35'	"	9.3	93°20'	-94.5	-103.8		5672.1		+575	+1521	1,841,414	125,452
414	1950		52°42'	"	5.5	92°50'	-96.3	-101.8		5674.1		+654	+1837	1,841,493	125,768
415	2274		54°06'	17.7	8.7	92°30'	-99.1	-107.8		5668.1		+710	+2160	1,841,549	126,091

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		W.K. NO.		PAGE			
10-25-84		R. Trowbridge		B. Cotcamp		6834		W. B. C.		B.C.		37			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Granite Peak - 7 1/2'		Nev.		Washoe								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
						92°20'			5775.9						
416	2592		52°49'	17.7	6.3	83	-105.4	-111.7		5664.2		+865	+2444	1,841,704	126,375
417 (cont)	2908		50°58'	"	5.0	91°50'	-92.9	-97.9		5678.0	Δ	+1058	+2709	1,841,897	126,640
Δ	3027		50°55' 51"	"	12.5	91°30'	-79.0	-91.5		5684.4	Δ	+1103	+2819	1,841,942	126,750
418	3235		51°13'	"	8.1	91°20'	-75.1	-83.2		5692.7		+1164	+3018	1,842,003	126,949
419	3561		"	"	6.7	91°-	-61.9	-68.6		5707.3		+1281	+3323	1,842,120	127,254
Δ	3755		51°51'00"	"	9.5	90°50'	-54.3	-63.8		5712.1		+1312	+3518	1,842,151	127,449
420	3862		53°01'00"	17.7	4.7	90°50'	-55.9	-60.6			TP	+1275	+3645	1,842,113	127,577
T.P.	"				4.0	269°10'	-55.9	-59.9	-60.23	5715.7	TP	-	+		
BS	1931		273°59'37"	17.7	7.2	88°20'	-56.2	-49.0	5666.6		BS	-712	+1794		
BS	"				12.5	271°50'	-61.8	-49.3	5666.6		BS	-	+		
421	1606		271°00'		6.0	88°20'	+46.7	+40.7		5707.3		+646	-1471	1,842,046	127,901
422	1278		271°54'		8.8	88°20'	+37.2	+28.4		5695.0		+532	-1162	1,841,932	128,210
423	948		"		2.4	88°20'	+27.6	+15.2		5681.8		+395	-862	1,841,795	128,510
424	620		279°22'		11.5	88°50'	+12.6	+1.1		5667.7		+282	-552	1,841,682	128,820
425	294		277°25'		10.5	88°50'	+6.0	-4.5		5662.1		+125	-266	1,841,525	129,106
N.B.M.	181		262°46'47"		4.7	88°50'	+3.7	-1.0		5665.6	B.M.	+33	-178	1,841,433	129,194
TP	72		235°12'15"		8.1	82°50'	+9.0	+0.9		5667.5		-21	-68	1,841,377	129,304
426	0		~		-5.0	-		-5.0		5661.6	TP	0	0	1,841,400	129,372
427	330		53°07'		8.3	94°10'	-24.0	-32.3		5634.3		+108	+312	1,841,508	129,684
428	660		"		11.6	94°20'	-51.8	-63.4		5603.2		+217	+623	1,841,617	129,995

Y-1841920
X-126695
Y-1841930
X-126800

Y-1841430
X-129240
U.S.G.S. B.M. EL. 5667.5
20 50 1955

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10-25-84	INSTRUMENT MAN R. Trowbridge	ROD MAN B. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY W	LINE NO. B.C.	PAGE 38
AREA NEVADA	TOPO MAP Granite Peak-7 1/2'	STATE NEV.	COUNTY WASHOE	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									5666.6					
429	990		53°07'	17.7	11.1	94°10'	-71.9	-83.0		5583.6		+325	+935	1,841,725 130,307
430	1320		"	"	12.2	93°30'	-80.6	-92.8		5573.8		+434	+1247	1,841,834 130,619
431	1650		"	"	10.2	93°30'	-100.7	-110.9		5555.7		+542	+1558	1,841,942 130,930
432	1980		"	"	9.9	93°30'	-120.8	-130.7		5535.9		+651	+1870	1,842,051 131,242
433	2310		"	"	8.0	93°20'	-134.2	-142.2		5524.4		+759	+2182	1,842,159 131,554
434	2640		"	"	9.0	93°20'	-153.4	-162.4		5504.2		+867	+2493	1,842,267 131,865
435	2970		"	"	11.5	93°10'	-163.9	-175.6		5491.0		+976	+2805	1,842,376 132,177
436	3299		"	"	12.5	93° -	-172.4	-184.9		5481.7		+1084	+3116	1,842,484 132,488
C. Xing	3439		53°02'18"	"	9.8	93° -	-179.7	-189.5		5477.1	A	+1133	+3242	1,842,533 132,614
437	3629		53°09'	"	10.3	92°50'	-179.1	-189.4		5477.2		+1192	+3427	1,842,592 132,799
438	3944	3940.3	52°00'21"	17.7	14.8	92°30'	-171.7	-186.5			TP	+1367	+3616	1,842,766 133,069
TP	"				14.5	267°30'	-171.7	-186.2	186.3	5480.3	TP	-	-	
BS	3624		209°54'05"	17.7	10.6	88°20'	-105.7	-95.1	5384.8		BS	+2443	+2675	
BS	"				9.7	210°40'	-105.7	-96.0	9553		BS	-	-	
439	3295		210°04'	"	11.3	88°20'	+96.1	+84.8		5469.6		+2215	-2440	1,842,993 133,305
440	2967		210°20'	"	11.1	88°30'	+77.8	+66.7		5451.5		-1984	-2206	1,843,224 133,539
441	2638		"	"	10.9	88°40'	+61.5	+50.6		5435.4		-1764	-1961	1,843,444 133,784
442	2307		210°48'	"	9.4	88°40'	+53.8	+46.4		5431.2		-1529	-1728	1,843,679 134,017
443	1977		211°12'	"	12.1	88°40'	+46.1	+34.0		5418.8		-1306	-1490	1,843,908 134,255
444	1648		211°45'	17.7	8.9	86°50'	+33.6	+24.7		5409.5		-1071	-1252	1,844,137 134,493

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE 10-25-84 INSTRUMENT MAN R. Trowbridge ROD MAN B. Cotcamp PARTY NUMBER 6834 NOTES CHECKED BY B. Cole LINE NO. 8 PAGE 39
AREA NEVADA TOPO MAP GRANITE Peak 7 1/2 STATE NEV. COUNTY WASHOE TWP RANGE PPM PARTY MANAGER L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS		
														Y	X			
									5384.8									
									5403.4		▲	-938	-1122	1844,270	134,623		El. 5410.0	
Sedline	1463		212°23'24"	17.7	11.2	88°50'	+29.8	+18.6		5397.0		-841	-1016	1,844,367	134,729			
445	1319		212°40'	"	10.8	89° -	+23.0	+12.2		5388.3		-631	-762	1,844,577	134,983			
446	990		"	"	13.8	89° -	+17.3	+3.5		5383.4		-394	-530	1,844,814	135,215			
447	660		215°41'	"	12.9	89° -	+11.5	-1.4		5378.4		-190	-270	1,845,018	135,475			
448	330		217°14'	"	12.2	89° -	+5.8	-6.4		5379.8	▲	0	0	1,845,208	135,745			
449	0		~	"	-5.0	~		-5.0		5373.7		+198	+264	1,845,406	136,009			
450	330		35°27'	"	5.3	91° -	-5.8	-11.1		5361.9		+396	+528	1,845,604	136,273			
451	660		"	"	11.4	91° -	-11.5	-22.9		5352.6		+594	+792	1,845,802	136,537			
452	990		"	"	12.0	91°10'	-20.2	-32.2		5345.4		+792	+1056	1,846,000	136,801			
453	1320		"	17.7	12.5	91°10'	-26.9	-39.4		5342.7		+990	+1320	1,846,198	137,065		Granite Peak - 7 1/2	
454	1650		"	"	8.5	91°10'	-33.6	-42.1		5339.4		+1187	+1584	1,846,395	137,329		BEDEL FLAT - 7 1/2	
455	1980		"	"	10.9	91° -	-34.5	-45.4		5336.9		+1385	+1848	1,846,593	137,593		↓ ↓	
456	2310		"	"	7.7	91° -	-40.2	-47.9		5332.5		+1583	+2113	1,846,791	137,858			
457	2640		"	"	6.4	91° -	-45.9	-52.3		5325.3		+1680	+2242	1,846,888	137,987			
Cr. Cr. mng.	2802		35°26'54"	"	10.8	91° -	-48.7	-59.5		5320.4		+1780	+2375	1,846,988	138,120			
458	2968		35°27'	"	11.4	91°50'	-43.0	-54.4		5330.4		+1978	+2639	1,847,186	138,384			
459	3398		35°27'	"	9.8	91°50'	-49.2	-59.0		5327.3		+2169	+2908	1,847,376	138,654			
460	3628		35°34'53"	17.7	9.8	91°50'	-52.5	-62.3		5322.9	TP							
TP	"				9.0	269°10'	-52.5	-61.5	-61.9		TP							

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		PAGE					
10.25.84		R. Trowbridge		B. Cotcamp		6834		B.C. [Signature]		40					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		BEDELL FLAT-7 1/2		NEV.		WASHOE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
BS	3055		220°37'27"	+3.3	89°30'	-	-26.9	-23.6	5299.0	5322.9	BS	+1618	+2591		
"	"			+2.6	270°30'	-	-26.9	-24.3	-23.93		BS	-1	+1		
461	2726		221°02'	8.6	89°30'		+23.9	+15.3		5314.3		-1415	-2330	1,847,578	138,916
462	2397		221°39'	12.5	89°36'		+16.9	+4.4		5303.4		-1222	-2062	1,847,771	139,184
463	2068		222°11'	7.8	90°			-7.8		5291.2		-1038	-1789	1,847,955	139,457
464	1738		222°30'	6.0	B.H.	-8	-8.7	-14.6		5284.4		-864	-1508	1,848,129	139,738
	1427		222°47'18"	9.1	90°30'		-12.4	-21.5		5277.5		-763	-1242	1,848,290	140,004
465	1409		223°--	9.8	90°30'		-12.3	-22.1		5276.9		-690	-1226	1,848,303	140,020
466	1079		"	8.3	91°--		-18.8	-27.1		5271.9		-528	-941	1,848,465	140,305
467	751		224°11'00"	9.2	92°30'		-32.8	-42.0		5257.0	Δ	-357	-1661	1,848,636	140,585
468	422		225°54'	10.5	94°10'		-30.7	-41.2		5257.8		-188	-378	1,848,805	140,868
469	101		244°33'	10.8	94°10'		-7.3	-18.1		5280.9		-14	-100	1,848,979	141,146
π											π	0	0	1,848,993	141,246
470	242		31°16'	13.2	92°30'		-10.6	-23.8		5275.2		+159	+183	1,849,152	141,429
TP	566		025°36'48"	9.0	92°30'		-24.7	-33.7		5265.3	TP	+413	+386	1,849,405	141,633
"	"			14.0	92°--		-19.8	-33.8			TP	-1	+1		
BS	1318		199°51'52"	+10.6	89°30'	-	-49.8	-39.2	5226.1		BS	+1075	+760		
"	"			+14.5	89°40'	-	-53.7	-39.2			BS	-1	+1		
472	990		198°04'	8.8	89°51'		+37.4	+28.6		5254.7		-803	-579	1,849,676	141,815
473	660		"	12.8	89°50'		+25.0	+12.2		5238.3		-536	-386	1,849,943	142,008

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10-26-84	INSTRUMENT MAN R. Trowbridge	ROD MAN B. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY B.C.W.	SHEET NO. 8	PAGE 41
AREA Nevada	TOPO MAP DEDELL FLAT-7 1/2'	STATE Nev	COUNTY Washoe	RANGE	PPM	PARTY MANAGER L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									5226.1					
474	330		198°04'	17.4	7.9	89 -	+5.8	-2.1		5224.0		-268	-193	1,850,211 142,201
475	0		~	"	5.1			-5.1		5221.0	TP	0	0	1,850,479 142,394
1E	90		13°28'50"	"	4.6	90 -		-4.6		5221.5		+77	+46	1,850,556 142,440
3846	330		17°47'	"	13.4	B.H.	-1.7	-15.1		5211.0		+269	+192	1,850,748 142,586
477	660		"	"	10.4	91° -	-11.5	-21.9		5204.2		+537	+383	1,851,016 142,777
478	990		"	"	8.9	90 -	-17.3	-26.2		5199.9		+806	+575	1,851,285 142,969
479	1320		17°49'25"	"	11.0	91° -	-23.0	-34.0		5192.1	TP	+1078	+761	1,851,556 143,156
TP	"				3.3	91°20'	-30.7	-34.0			TP	-	+	
BS	3306		213°10'44"	17.4	13.0	88°50'	-67.5	-54.5	5137.4		BS	+2099	+2553	
"	"				27°10'	27°10'					BS	-	+	
480	2991		214°57'	"	10.0	88°50'	+61.1	+51.1		5188.7		-1827	-2368	1,851,827 143,342
481	2677		217°~	"	9.1	88°50'	+54.7	+45.6		5183.2		-1558	-2177	1,852,096 143,533
482	2370		219°44'	"	10.1	88°50'	+48.4	+38.3		5175.9		-1286	-1991	1,852,368 143,719
483	2068		223°13'	"	10.7	88°50'	+42.2	+31.5		5169.1		-1015	-1802	1,852,639 143,908
484	1778		227°53'	"	9.4	88°50'	+36.3	+26.9		5164.5		-743	-165	1,852,911 144,095
485	1467		231°33'	"	6.7	88°50'	+29.9	+23.2		5160.8		-527	-1369	1,853,127 144,341
486	1147		234°59'	"	7.1	88°50'	+23.4	+16.3		5153.9		-347	-1093	1,853,307 144,617
487	821		237°56'	"	5.6	88°50'	+16.7	+11.1		5148.7		-208	-794	1,853,446 144,916
488	509		247°23'	"	6.7	88°50'	+10.4	+3.7		5141.3		-416	-507	1,853,608 145,203
489	260		281°46'	17.4	6.3	88°50'	+5.3	-1.0		5136.6		+127	-227	1,853,781 145,483

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		MINE NO.		PAGE			
10-26-84		R. Trowbridge		B. Cotcamp		6834		BCW		8		42			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		BEDELL FLAT-7 1/2		Nev.		Washoe								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5137.6						
490	0		—	17.4	5.1	~		-5.1		5132.5	X	0	0	1,853,654	145,710
491	323		135°36'	"	11.7	78°50'	+6.6	-5.1		5132.5		-288	+147	1,853,366	145,857
492	645		131°00'	"	6.9	T.H.	+3.2	-3.7		5133.9		-549	+338	1,853,105	146,048
493	942		122°19'	"	11.3	90-		-11.3		5126.3		-719	+609	1,852,935	146,319
494	1229		114°10'	"	12.8	90°15'	-5.4	-18.2		5119.4		-815	+920	1,852,839	146,630
495	1523		108°05'	"	17.6	90°15'	-6.6	-24.2		5113.4		-884	+1240	1,852,770	146,950
496	1820		103°17'	"	23.2	90°15'	-7.8	-31.1		5106.5		-929	+1565	1,852,725	147,275
497	2149		103°11'	"	24.0	90°15'	-9.3	-33.3		5104.3		-1093	+1850	1,852,561	147,560
498	2412		108°06' (108°06')	"	19.6	90°15'	-10.4	-30.0		5107.6		-1401	+1964	1,852,253	147,674
499	2727		108°24'03"	17.4	13.9	90°20'	-15.7	-29.6			TP	-1595	+2212	1,852,058	147,923
TP	"				13.8	269°40'	-15.7	-29.5		5108.1	TP				
BS	3973		260°22'48"	17.4	6.5	90°50'	+57.5	+64.0	5172.1		BS	-538	+3936		
"	"				6.4	269°40'	+57.5	+63.9			BS	-	"		
500	3645		259°52'	"	9.1	90°55'	-58.0	-67.1		5105.0		+461	-366	1,851,980	148,244
501	3318		259°07'	"	10.8	90-	-57.7	-68.5		5103.6		+377	-3297	1,851,896	148,563
502	2992		258°10'	"	9.5	91°10'	-60.7	-70.2		5101.9		+290	-2978	1,851,809	148,882
503	2669		256°29'	"	10.7	91°20'	-62.0	-72.7		5099.4		+181	-2663	1,851,700	149,197
504	2363		254°06'	"	13.4	91°30'	-61.7	-75.1		5097.0		+62	-2362	1,851,581	149,498
505	2050		251°29'	"	10.8	91°30'	-53.6	-64.4		5107.7		-40	-2050	1,851,479	149,810
506	1721		250°56'	17.4	9.5	91°40'	-50.0	-59.5		5112.6		-50	-1720	1,851,469	150,140

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	10-26-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cottrill	PARTY NUMBER	6834	NOTES CHECKED BY	B.C. W	LINE NO	8	PAGE	43	
AREA	Nevada	TOPO MAP	BEDELL FLAT-7 1/2	STATE	Nev.	COUNTY	Washoe	TWP		RANGE		PPM	PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									5172.1					
507	1413		254°58'	17.4	9.1	92°20'	-57.5	-66.6		5105.5		-58	-1412	1,851,461 150,448
508	1097		251°54'	"	7.6	92°20'	-44.7	-52.3		5119.8		-13	-1097	1,851,506 150,763
509	794		243°58'	"	9.1	92°20'	-32.3	-41.4		5130.7		-119	-785	1,851,400 151,075
Δ	775		243°47'27"	"	9.2	92°20'	-31.6	-40.8		5131.3	Δ	-119	-765	1,851,400 151,095
510	497		231°12'	"	12.4	91°30'	-13.0	-25.4		5146.7		-181	-463	1,851,338 151,397
511	220		200°05'	"	12.0	89°20'	+2.6	-9.4		5162.7		-175	-134	1,851,344 151,726
π	~		~	17.4	~						π	0	0	1,851,59 151,860
512	251		110°29'	"	7.4	87°20'	+11.7	+4.3		5176.4		-158	+195	1,851,361 152,055
513	539		86°26'	"	8.6	88°	+18.8	+10.2		5182.3		-129	+523	1,851,390 152,383
514	863		82°19'	"	11.0	88°	+30.1	+19.1		5191.2		-176	+851	1,851,373 152,711
515	1190		84°41'	"	8.4	88°	+41.5	+33.1		5205.2		-249	+1164	1,851,270 153,024
516	1518		84°58'	"	4.0	88°	+53.0	+49.0		5221.1		-325	+1483	1,851,194 153,343
Δ	1544		84°38'25"	"	3.4	88°	+53.9	+50.5		5222.6	Δ	-322	+1509	1,851,197 153,369
517	1592		74°12'	"	7.2	88°20'	+41.7	+34.5		5206.6		-44	+1591	1,851,475 153,461
518	1724		63°47'	"	7.1	89°10'	+25.1	+18.0		5190.1		+264	+1704	1,851,783 153,564
519	1979		57°20'	"	8.0	89°30'	+17.4	+9.4		5181.5		+521	+1909	1,852,040 153,769
520	2230		51°28'	"	8.1	89°40'	+13.1	+5.0		5177.1		+804	+2080	1,852,323 153,940
521	2479		46°15'	"	12.4	89°50'	+7.3	-5.1		5167.0		+1100	+2221	1,852,619 154,081
522	2786		43°40'18"	17.4	55	89°40'	+16.4	+10.9			TP	+1348	+2438	1,852,867 154,298
TP	"				5.0	87°20'	+16.4	+11.4	51123	5183.3	TP			

y-1,851,400 Horiz. Corr.
x-151,095 y-27'
x+36'

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	10-26-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	E. Cotano	PARTY NUMBER	6221	NOTES CHECKED BY	B.C.W.	LINE NO.	8	PAGE	44
AREA	Nevada	TOPO MAP	BEDELL FLAT-7 1/2'	STATE	Nev.	COUNTY	Washoe	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
										5183.3				
BS	29166		200°01'53"	17.4	+8.0	89°20'	-34.7	-26.7	5156.5		BS	+2355	+1803	
"	"				+7.7	270°40'	-34.7	-27.0	5156.5		BS			
523	2637		199°40'	17.4	12.0	89°20'	+30.8	+18.8		5175.3		-2104	-1589	1,853,118 154,512
524	2308		"	"	2.0	89°20'	+27.0	+15.0		5171.5		-1842	-1391	1,853,380 154,710
525	1979		200°23'	"	2.5	89°25'	+20.2	+7.7		5164.2		-1564	-1212	1,853,658 154,889
526	1650		201°24'	"	10.3	89°25'	+16.9	+6.6		5163.1		-1286	-1034	1,853,936 155,067
527	1320		"	"	9.6	89°25'	+13.5	+3.9		5160.4		-1029	-827	1,854,193 155,274
528	990		"	"	9.2	89°10'	+14.4	+5.2		5161.7		-772	-620	1,854,450 155,481
529	660		203°50'	"	8.4	90° -		-8.4		5148.1		-496	-435	1,854,726 155,666
530	330		204°43'	"	11.7	90° -		-11.7		5144.8		-245	-221	1,854,977 155,880
531	0		~	17.4	-5.1			-5.1		5151.4	^	0	0	1,855,222 156,101
532	330		21°14'	"	7.2	90° -		-7.2		5149.3		+258	+206	1,855,480 156,307
533	660		"	"	10.7	90° -		-10.7		5145.8		+516	+412	1,855,738 156,513
534	990		"	"	8.9	90° -		-8.9		5147.6		+773	+618	1,855,995 156,719
535	1320		"	"	10.2	90° -		-10.2		5146.3		+1031	+824	1,856,253 156,925
536	1650		"	"	5.7	90° -		-5.7		5150.8		+1289	+1030	1,856,511 157,131
537	1980		"	"	13.0	T.H.	+9.9	-3.0		5153.5		+1547	+1236	1,856,769 157,337
538	2310		"	"	7.0	89°50'	+6.8	-0.2		5156.3		+1864	+1442	1,857,026 157,543
539	2640		"	"	8.0	89°50'	+7.8	-0.2		5156.3		+2062	+1648	1,857,284 157,749
540	2970		"	17.4	10.8	89°50'	+8.8	-2.0		5154.5		+2320	+1854	1,857,542 157,955

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
10-26-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.		8		45				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Nevada		DEDELL FLAT-7 1/2'		Nev		Washoe								L. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
541	3300		2114'	17.4	13.5	89°50'	+9.8	-3.7		5152.8		+2578	+2060	1,857,800	158,161	
542	3628		"	"	5.2	89°50'	+10.8	+5.6		5162.1		+2834	+2265	1,858,056	158,366	
543	3957		"	"	11.2	89°40'	+23.3	+12.1		5168.6		+3091	+2470	1,858,313	158,571	
544	4285		"	"	6.5	89°40'	+25.3	+18.8		5175.3		+3347	+2675	1,858,569	158,776	
77	4594		2102'48"	"	9.1	89°30'	+40.5	+31.4		5187.9	A	+3582	+2876	1,858,804	158,977	Y=1858,795 X=159,000
545	4594		2105'48"	17.4	9.0	89°30'	+40.5	+31.5			TP	+3552	+2914	1,858,774	159,015	
T.P.	"		"		8.2	270°30'	+40.5	+32.3	+31.93	5188.4	TP					
BS	3587		275°02'42"	17.4	4.3	92°-	+124.9	+129.2	5317.5		BS	-1369	+3313			
"	"		"		4.0	268°-	+124.9	+128.9	+129.13		BS					
546	3259		275°38'	"	5.4	92°08'	-12.1	-126.5		5191.0		+1275	-2999	1,858,680	159,329	
77	340		275°47'34"	"	6.4	92°10'	-118.5	-124.9		5192.6		+1236	-2884	1,858,641	159,444	
547	2930		275°53'	"	12.2	92°10'	-110.6	-122.8		5194.7		+1158	-2691	1,858,563	159,637	
548	2600		"	"	13.3	92°10'	-98.2	-111.5		5206.0		+1028	-2388	1,858,433	159,940	
549	2271		276°28'	"	12.6	92°10'	-85.8	-98.4		5219.1		+919	-2077	1,858,324	160,251	
550	1946		275°31'	"	12.0	92°10'	-73.5	-85.5		5232.0		+758	-1792	1,858,163	160,536	
551	1615		275°49'	"	11.4	92°10'	-61.0	-72.4		5245.1		+637	-1484	1,858,042	160,844	
552	1290		274°07'	"	7.4	92°30'	-56.2	-63.6		5253.9		+473	-1200	1,857,878	161,128	
553	999		266°24'	"	7.5	92°30'	-43.6	-51.1		5266.4		+238	-970	1,857,643	161,358	
554	691		258°25'	"	13.5	92°30'	-30.1	-43.6		5273.9		+70	-687	1,857,476	161,641	
555	426		239°~	"	9.3	93°20'	-24.8	-34.1		5283.4		+100	-414	1,857,305	161,914	
556	275		187°-	17.4	11.3	93°20'	-16.0	-27.3		5290.2		-250	-114	1,857,155	162,214	

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
10-26-84		R. Knowlbridge		B. Cotnam				JCL		8		46				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Nevada		BEDELL FLAT- 7 1/2'		Nev		Washoe								L. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
π	—	—	—	12.4	~				5317.5		π	0	0	1,857,405	162,328	
557	433		137°15'	"	8.4	93°20'	-25.2	-33.6		5283.9		-391	+185	1,857,014	162,513	
<u>IL</u>	716		122°47'09"	"	8.0	93°—	-37.5	-45.5		5272.0		-549	+458	1,856,856	162,786	y-1857,115 x-162,295
558	730		123°31'	"	8.1	93°—	-38.2	-46.3		5271.2		-567	+460	1,856,858	162,788	
559	1052		119°00'	"	12.9	92°50'	-52.0	-64.9		5252.6		-762	+725	1,856,649	163,053	
TP	1272		119°41'58"	17.4	10.4	93°—	-66.6	-77.0		5240.5	TP	-931	+865	1,856,474	163,193	
"	"		"		8.7	93°0'	-70.3	-79.0			TP					
BS	2042		292°39'43"	17.4	+11.0	86°40'	-118.8	-107.8	5132.7		BS	-1312	+1560			
"	"		"		+10.9	273°20'	-118.8	-107.9			BS					
560	1931		293°52'	"	7.5	86°50'	+106.7	+99.2		5231.9		+1274	-1451	1,856,436	163,302	
561	1621		296°46'	"	13.1	86°37'	+95.7	+82.6		5215.3		+1129	-1163	1,856,291	163,590	
562	1305		300°06'	"	14.4	86°30'	+79.7	+65.3		5198.0		+962	-882	1,856,124	163,871	
563	983		296°16'	"	7.7	86°40'	+57.2	+49.5		5182.2		+679	-711	1,855,841	164,042	
564	660		293°35'	"	6.0	86°40'	+38.4	+32.4		5165.1		+433	-498	1,855,595	164,255	
565	330		291°45'	"	6.2	86°40'	+19.2	+13.0		5145.7		+208	-256	1,855,370	164,497	
566	0		~	12.4	-5.0	~		-5.0		5127.7	π	0	0	1,855,162	164,753	
567	329		121°03'	"	8.1	92°30'	-14.4	-22.5		5110.2		-246	+218	1,854,916	164,971	
568	657		124°12'	"	8.5	92°30'	-28.7	-37.2		5095.5		-515	+408	1,854,647	165,161	
569	980		120°28'	"	8.7	92°30'	-42.7	-51.4		5081.3		-727	+657	1,854,435	165,410	
570	1305		118°09'	"	10.0	92°30'	-56.9	-66.9		5065.8		-932	+914	1,854,230	165,667	
571	1629		120°09'	"	11.7	92°30'	-71.0	-82.7		5050.0		-1202	+1099	1,853,960	165,852	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
10-26-84		R. Towbridge		B Cottramp		6634		B.C.W.		8		47				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Nevada		BEDELL FLAT-7 1/2		Nev.		Washoe								L. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									5132.7							
A	1846		118°23'34"	17.4	11.8	92°30'	-80.5	-92.3		5040.4		-1322	+1286	1,853,840	166,039	Y-1853,805 X-166,060
572	1941		117°16'	"	12.5	92°30'	-84.6	-97.1		5035.6		-1364	+1380	1,853,798	166,133	
573	2255		114°31'	"	12.0	92°30'	-98.3	-110.3		5022.4		-1506	+1678	1,853,656	166,431	
TP	2442		113°34'17"	"	10.2	92°30'	-106.4	-116.6			TP	-1600	+1842	1,853,562	166,595	
"	"				9.8	267°30'	-106.4	-116.2	-116.43	5016.3	TP					
BS	2087		268°10'13"	17.4	14.5	87°30'	-91.1	-76.6	4939.6		BS	-454	+2035			
"	"				14.3	252°30'	-91.1	-76.8	-76.73		BS					
574	1948		264°35'	"	20.5	87°30'	+85.0	+64.5		5004.1		+404	-1906	1,853,512	166,724	
575	1624		262°46'	"	9.2	87°45'	+63.8	+54.6		4994.2		+287	-1599	1,853,395	167,031	
576	1298		260°55'	"	10.0	87°45'	+51.0	+41.0		4980.6		+188	-1284	1,853,296	167,346	
577	981		256°21'	"	11.0	87°45'	+38.5	+27.5		4967.1		+64	-979	1,853,172	167,651	
578	655		255°35'	"	7.1	87°45'	+25.7	+18.6		4958.2		+38	-654	1,853,146	167,976	
579	330		254°19'	"	6.0	87°45'	+13.0	+7.0		4946.6		+39	-328	1,853,147	168,302	
580	0		~	17.4	-5.3	~		-5.3		4934.3	X	0	0	1,853,108	168,630	
581	330		90°18'	"	10.0	91°50'	-10.6	-20.6		4919.0		+13	+330	1,853,121	168,960	
582	656		150°35'	"	10.0	91°50'	-21.0	-31.0		4908.6		+34	+654	1,853,142	169,284	
583	977		75°23'	"	11.6	91°50'	-31.3	-42.9		4896.7		+47	+976	1,853,061	169,606	
584	1304		77°32'	"	12.3	91°50'	-41.7	-54.0		4885.6		-112	+1299	1,852,996	169,929	
4-way	1526		77°28'42"	"	12.1	91°50'	-48.8	-60.9		4878.7		-130	+1520	1,852,978	170,150	Y-1852,970 X-170,120
585	1634		"	17.4	12.1	91°50'	-52.2	-64.3		4875.3		-139	+1628	1,852,969	170,258	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-26-84		R. T. Colborn		B. Colcamp		6634		B.C.W.		8		48			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		BEDELL FLAT-7 1/2'		Nev		Washoe								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4939.6						
586	196.1		79°02'	17.4	12.8	91°50'	-62.7	-75.5		4864.1		-220	+1949	1,852,888	170,579
587	2289		80°04'	"	12.6	91°50'	-73.1	-85.7		4853.9		-297	+2270	1,852,811	170,900
588	2619		"	"	10.2	91°50'	-83.6	-93.8		4845.8		-340	+2597	1,852,768	171,227
589	2946		"	"	10.4	91°30'	-76.9	-87.3		4852.3		-383	+2921	1,852,725	171,551
590	3180		75°56'	"	8.0	91°15'	-69.2	-77.2		4862.4		-185	+3175	1,852,923	171,805
TP	3251		74°25'15"	17.4	9.8	91°10'	-66.0	-75.8			TP	-103	+3249	1,853,005	171,879
TP	"				9.5	86°50'	-66.0	-75.5	-75.8	4864.0	TP				
BS	1514		199°07'02"	17.4	7.9	T.H.	-7.6	+0.3			BS	+1217	+901		
"	"				+4.8	89°50'	-4.4	+0.4	4864.4		BS				
591	1295		200°37'	"	7.3	T.H.	+6.5	-0.8		4863.6		-1020	-798	1,853,202	171,982
592	975		205°02'	"	5.8	T.H.	+4.9	-0.9		4863.5		-720	-658	1,853,502	172,122
593	658		210°51'	"	6.8	T.H.	+3.3	-3.5		4860.9		-438	-491	1,853,784	172,289
594	330		215°32'	"	6.5	T.H.	+1.7	-4.8		4859.6		-199	-263	1,854,023	172,517
595	0		~	"	-50			-5.0		4859.4	TP	0	0	1,854,222	172,780
IF	69		10°30'36"	"	6.5	90°		-6.5		4857.9	Δ	+61	+32	1,854,283	172,812
596	330		08°41'	"	16.5	91°10'	-6.7	-17.2		4847.2		+296	+145	1,854,518	172,925
597	659		"	"	11.5	92°15'	-25.9	-37.4		4827.0		+592	+290	1,854,814	173,070
598	989		"	"	11.9	92°15'	-38.8	-49.7		4814.7		+888	+435	1,855,110	173,215
599	1318		09°00'	"	13.5	92°15'	-51.7	-65.2		4799.2		+1181	+586	1,855,403	173,366
600	1648		"	17.4	8.8	92°30'	-71.8	-80.6		4783.8		+1476	+733	1,855,698	173,513

BEDELL FLAT - 7 1/2' ↑
FRASER FLAT - 7 1/2' ↓

Y = 1,854,250
X = 173,820

11.98
6.1
-86.2
-92.3

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-26-84		R. Trowbridge		B. Colcamp		6824		B.C.W.		8		49			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		FRASER FLAT-7 1/2'		Nev		Washoe								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4864.4						
601	1978		9°00'	17.4	6.1	92°30'	-86.2	-92.3		4772.1		+1772	+879	1,855,994	173,659
602	2307		~	"	11.1	92°30'	-100.5	-111.6		4752.8		+2066	+1026	1,856,288	173,806
603	2634		10°05'54"	"	13.5	92°30'	-114.8	-128.3			TP	+2334	+1215	1,856,556	173,995
TP	"			"	13.2	260°30'	-114.8	-128.0	-1281.3	4736.3	TP				
BS	885		199°01'38"	17.4	9.9	87° -	-46.3	-36.4	4699.9		BS	+729	+500		
"	"		"	"	7.2	87°10'	-43.7	-36.5			BS				
604	562		191°54'	"	7.8	87° -	+29.4	+21.6		4721.5		-490	-275	1,856,795	174,220
605	238		182°38'	"	6.7	87° -	+12.5	+5.8		4705.7		-224	-82	1,857,061	174,413
TP	~		~	"	~	~					TP	0	0	1,857,285	174,495
606	93		17°09'	"	8.6	93°20'	-5.4	-14.0		4685.9		+77	+53	1,857,362	174,548
607	419		16°04'	17.4	12.0	93°40'	-26.8	-38.8		4661.1		+350	+231	1,857,635	174,726
608	746		17°55'	"	11.6	93°40'	-47.7	-59.3		4640.6		+609	+431	1,857,894	174,926
609	1076		"	"	10.9	93°50'	-71.9	-82.4		4617.5		+878	+622	1,858,163	175,117
610	1395		21°38'	"	12.7	93°40'	-89.2	-101.9		4598.0		+1084	+879	1,858,369	175,374
TP	1533		16°52'16"	17.4	4.6	93°40'	-98.0	-102.6			TP	+1264	+861	1,858,549	175,356
"	"				9.3	93°30'	-93.5	-102.8	-102.73	4597.2	TP				
BS	3213		230°31'22"	17.4	14.3	86° -	-224.3	-210.0	4387.1		BS	+1205	+2970		
"	"			"	14.0	274° -	-224.3	-210.3	210.13		BS				
611	2659		22°0'11"	"	22.3	85°56'	+188.7	+166.4		4574.8		-1173	-2708	1,858,581	175,618
612	2634		230°27'	17.4	11.2	86° -	+183.9	+172.7		4559.8		-993	-2440	1,858,761	175,886

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	10-26-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.W	SHEET NO.	8	PAGE	50
AREA	Nevada	TOPO MAP	FRASER FLAT - 7 1/2	STATE	NEV	COUNTY	Washoe	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									4387.1							
613	2306		230°51'	17.4	7.9	86°20'	+147.6	+139.7		4526.8		-855	-2142	1,858,899	176,184	
Δ	2283		231°05'	"	7.9	86°20'	+146.1	+138.2		4525.3		-836	-2120	1,858,918	176,206	Y=1,858,845 X=176,215
614	1976		"	"	8.8	86°20'	+126.4	+117.6		4504.7		-725	-1838	1,859,029	176,488	
615	1646		"	"	8.7	86°20'	+105.3	+97.2		4484.3		-604	-1531	1,859,150	176,795	
616	1317		"	"	10.9	86°20'	+84.3	+73.4		4460.5		-483	-1225	1,859,271	177,101	
617	989		229°37'	"	11.9	86°20'	+63.3	+51.4		4438.5		-386	-910	1,859,368	177,416	
618	660		227°40'	"	8.2	86°20'	+42.2	+34.0		4421.1		-278	-598	1,859,476	177,728	
619	330		"	"	6.0	86°20'	+21.1	+15.1		4402.2		-139	-299	1,859,615	178,027	
620	0		~	17.4	-5.1			-5.1		4382.0	X	0	0	1,859,754	178,326	
621	330		51°55'	"	9.3	92°40'	-15.4	-24.7		4362.4		+117	+309	1,859,871	178,635	
622	660		"	"	12.5	92°40'	-30.7	-43.2		4343.9		+233	+617	1,859,987	178,943	
623	988		53°31'	"	13.5	92°40'	-46.0	-59.5		4327.6		+323	+934	1,860,077	179,260	
624	1313		56°26'	"	13.1	92°40'	-61.1	-74.2		4312.9		+366	+1261	1,860,120	179,587	
625	1624		60°39'	"	10.1	92°40'	-75.5	-85.6		4301.5		+336	+1589	1,860,090	179,915	
626	1945		63°08'	"	6.1	92°40'	-90.4	-96.5		4290.6		+320	+1919	1,860,074	180,245	
≡	1851		62°08'42"	"	7.0	92°40'	-86.0	-93.0		4294.1		+336	+1818	1,860,090	180,444	Y=1,860,040 X=180,190
627	2273		62°28'	"	6.5	92°30'	-99.0	-105.5		4281.6		+400	+2238	1,860,154	180,564	
628	2596		61°19'46"	17.4	12.1	92°30'	-113.1	-125.2			TP	+507	+2544	1,860,261	180,870	
					11.7	267°30'	-113.1	-124.8	-125.13	4262.0	TP					

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-28-84		R. Treabird		B. Cotcamp		6834		B. Clark		8		51			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		FRASER FLAT - 7 1/2'		Nev.		Washoe								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
BS	3234		239°31'00"	17.5	+6.2	T.H.	-16.2	-10.0	4252.0	4262.0	BS	+727	+3151		
"	"				+10.0	89°39'	-20.0	-10.0			BS				
629	2916		240°35'	"	10.2	89°50'	+8.7	-1.5		4250.5		-602	-2853	1,860,386 181,168	
630	2628		243°55'	"	9.3	89°50'	+7.8	-1.5		4256.5		-392	-2599	1,860,596 181,422	
631	2297		"	"	6.3	89°44'	+10.8	+4.5		4256.5		-343	-2271	1,860,645 181,750	
HT	2013		242°43'30"	"	12.3	89°40'	+11.8	-0.5		4251.5	SL	-345	-1983	1,860,643 182,038	
632	1973		242°29'	"	12.0	89°40'	+11.6	-0.4		4251.6		-343	-1943	1,860,645 182,078	
633	1643		"	"	12.5	89°40'	+9.6	-2.9		4249.1		-286	-1618	1,860,702 182,403	
634	1315		243°04'	"	11.5	89°40'	+7.7	-3.8		4248.2		-216	-1297	1,860,772 182,724	
635	987		243°57'	"	10.6	89°40'	+5.7	-4.9		4247.1		-147	-976	1,860,841 183,045	
636	658		"	"	9.6	89°40'	+3.8	-5.8		4246.2		-98	-651	1,860,890 183,370	
637	329		239°18'	"	8.0	89°40'	+1.9	-6.1		4245.9		-75	-320	1,860,913 183,701	
638	0		—	17.5	5.1	—		-5.1		4246.9	TP	0	0	1,860,988 184,021	
639	330		65°53'	"	8.5	90 -		-8.5		4243.5		+38	+328	1,861,026 184,349	
640	655		61°17'	"	9.9	90 -		-9.9		4242.1		+127	+642	1,861,115 184,663	
641	978		57° -	"	11.4	90 -		-11.4		4240.6		+261	+942	1,861,249 184,963	
642	1317		57°46'	"	11.8	90 -		-11.8		4240.2		+332	+1264	1,861,320 185,285	
643	1637		58°19'	"	5.3	B.H.	-8.2	-13.5		4238.5		+401	+1567	1,861,389 185,608	
644	1964		59°10'	"	13.0	90 -	+0.1	-12.9		4239.1		+519	+1894	1,861,507 185,915	
645	2294		"	17.5	13.1	90 -	+0.1	-13.0		4239.0		+607	+2212	1,861,595 186,233	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	10-28-83	INSTRUMENT MAN	R. Tronbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.W.	LINE NO.	8	PAGE	52
AREA	Nevada	TOPO MAP	FRASER FLAT 7 1/2	STATE	Nev.	COUNTY	Washoe	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									4252.0					
646	2623		59°20'	17.5	2.8	90 -	+0.1	-12.7		4239.3		+686	+2532	1861.674 186.553
647	2951		"	"	8.3	90°10'	-8.4	-16.7		4235.3		+772	+2848	1.861.760 186.869
648	3276		59°44'44"	17.5	10.0	90°06'42"	-6.2	-16.2			TP	+834	+3168	1.861.822 187.184
TP	"		"		10.0	219°53'42"	-5.8	-15.8	160 3/4	4236.0	TP			
BS	2620		237°05'06"	17.5	12.7	T.H.	-13.1	-0.4	4235.3		BS	+696	+2526	
"	"		"		12.2	270°TH	-13.1	-0.9	160 1/3		BS			
649	2290		237°12'	17.5	3.5	T.H.	+11.5	-2.0		4233.3		-604	-2209	1.861.914 187.501
650	1961		"	"	12.6	T.H.	+9.8	-2.8		4232.5		-517	-1892	1.862.001 187.818
651	1636		237°52'	"	10.9	T.H.	+8.2	-2.7		4232.6		-413	-1583	1.862.105 188.127
652	1308		238°22'	"	10.0	T.H.	+6.5	-3.5		4231.8		-319	-1268	1.862.199 188.442
653	980		238°40'	"	8.4	T.H.	+4.9	-3.5		4231.8		-234	-952	1.862.284 188.758
654	654		238°50'	"	8.5	T.H.	+3.3	-5.2		4230.1		-155	-635	1.862.363 189.075
655	329		240°22'	"	7.1	T.H.	+1.6	-5.5		4229.8		-69	-322	1.862.449 189.388
656	0		~	17.5	5.1	~		-5.1		4230.2	TP	0	0	1.862.518 189.710
657	328		68°37'	"	6.4	90 -		-6.4		4228.9		+22	+327	1.862.540 190.037
658	653		63°52'	"	6.5	90 -		-6.5		4228.8		+98	+646	1.862.616 190.356
659	976		59°44'	"	6.2	90 -		-6.2		4229.1		+216	+952	1.862.734 190.662
660	1305		"	"	5.2	90 -		-5.2		4230.1		+288	+1273	1.862.806 190.983
661	1632		58°15'	"	11.0	T.H.	+8.2	-2.8		4232.5		+402	+1582	1.862.920 191.292
662	1961		59°40'	17.5	12.0	T.H.	+9.8	-2.2		4233.1		+502	+1896	1.863.020 191.606

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE: 10-28-84 INSTRUMENT MAN: R. Vol. [unclear] ROD MAN: B. [unclear] PARTY NUMBER: 2834 NOTES CHECKED BY: B. [unclear] LINE NO: 8 PAGE: 53
 AREA: Nevada TOPO MAP: FRASER FLAT-7 1/2 STATE: Nev. COUNTY: Washoe TWP: [unclear] RANGE: [unclear] PPM: [unclear] PARTY MANAGER: L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									4235.3					
663	2290		56°54'	17.5	9.9	T.A.	+11.5	+1.6		4236.9		+616	+2206	1,863,134 191,916
664	2619		56°20'	"	6.0	T.A.	+13.1	+7.1		4242.4		+729	+2515	1,863,247 192,225
665	2948		55°52'	"	9.5	89°30'	+25.9	+16.4		4251.7		+844	+2825	1,863,362 192,535
666	3278		"	"	10.0	89°20'	+38.4	+28.4		4263.7		+938	+3141	1,863,456 192,851
667	3605		"	"	9.1	89°15'	+47.5	+38.4		4273.7		+1032	+3954	1,863,550 193,164
668	3934		55°36'	"	10.1	89°10'	+57.5	+47.4		4282.7		+1144	+3764	1,863,662 193,474
669	4260		54°52'	"	6.4	89°10'	+62.3	+55.9		4291.2		+1290	+4060	1,863,888 193,770
670	4589		54°53'33"	17.5	10.2	89°06'	+72.5	+62.3		4297.8	TP	+1388	+4373	1,863,906 194,083
TP	"				9.7	270°54'	+72.5	+62.8	+62.3		TP			
BS	2639		243°41'50"	17.5	9.0	90°-	+45.9	+54.9			BS	+464	+2608	
"	"				8.9	269°-	+45.9	+54.8	4352.6		BS			
671	2312		244°48'	"	12.7	90°-	-40.2	-52.9		4299.7		-310	-2291	1,864,000 194,400
672	1992		246°56'	"	11.1	90°10'	-40.5	-51.6		4301.0		-193	-1983	1,864,117 194,708
673	1676		249°02'	"	10.3	90°40'	-48.7	-59.0		4293.6		-101	-1673	1,864,209 195,018
674	1356		252°43'	"	14.4	90°45'	-41.4	-55.8		4296.8		+5	-1356	1,864,315 195,335
675	1054		258°42'	"	10.9	90°-	-18.4	-29.3		4323.3		+114	-1048	1,864,424 195,643
676	838		268°56'22"	"	6.6	90°-	-14.6	-21.2		4331.4	Δ	+237	-804	1,864,517 195,887
676	779		269°08'	"	7.2	90°-	-13.6	-20.8		4331.8		+223	-746	1,864,533 195,945
677	455		274°08'	"	8.2	90°-	-	-8.2		4344.4		+174	-421	1,864,484 196,270
678	137		294°32'	17.5	1.7	90°-	-	-1.7		4350.9		+92	-162	1,864,402 196,589

Y=1864480
X=195900
E=4329.0

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE				
10-28-84		R. Trowbridge		B. Cotcamp		1834		B.C.W.		8		54				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Nevada		FRASER FLAT-7 1/2'		Nev.		Washoe								L. Davis		
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									4352.6							
TP				17.5							TP	0	0	1,864,310	196,691	
679	248		49°16'	"	5.3	90°		-5.3		4347.3		+98	+228	1,864,408	196,919	
680	573		57°43'	"	1.0	T.H.	+2.9	+1.9		4354.5		+146	+554	1,864,456	197,245	
681	897		55°15'	"	7.3	88°20'	+23.5	+6.2		4368.8		+266	+857	1,864,516	197,548	
682	1221		52°16'	"	14.4	88°05'	+40.9	+26.5		4379.1		+422	+1146	1,864,732	197,837	
TP	1308		54°49'29"	17.5	7.7	88°30'	+34.3	+26.6			TP	+397	+1246	1,864,707	197,937	
"	"		"	"	7.5	271°30'	+34.3	+26.8	+26.7 1/2	4379.3	TP					
BS	887		239°48'24"	17.5	13.8	88°	-31.0	-17.2	4362.1		BS	+195	+865			
"				"	3.5	88°40'	-20.7	-17.2			BS					
683	657		241°49'	"	4.8	88°30'	+17.2	+12.4		4374.5		-122	-646	1,864,780	198,156	88°20'
TP	399		243°17'00"	"	9.1	88°30'	+10.4	+1.3		4363.4		-64	-394	1,864,838	198,408	
684	330		243°17'	"	8.2	88°30'	+8.6	+0.4		4362.5		-53	-326	1,864,849	198,476	
685	0		~	17.5	5.2	~		-5.2		4356.9	TP	0	0	1,864,902	198,802	
686	330		46°05'	"	8.6	98°20'	-47.8	-56.4		4305.7		+147	+296	1,865,049	199,098	
TP	502		46°29'42"	"	9.2	97°05'	-61.9	-71.1		4291.0		+218	+448	1,865,120	199,250	y-1865020 x-199215
687	1660		48°00'	"	9.4	95°15'	-60.4	-69.8		4292.3		+274	+601	1,865,176	199,403	
688	968		54°31'	"	11.0	93°20'	-56.3	-67.3		4294.8		+299	+921	1,865,201	199,723	
689	1290		52°47'	"	8.9	93°00'	-67.5	-76.4		4285.7		+435	+1214	1,865,337	200,016	
690	1619		52°58'	"	12.1	92°30'	-70.6	-82.7		4279.4		+541	+1526	1,865,443	200,328	
TP	1776		53°38'59"	17.5	7.8	92°30'	-77.4	-85.2		4276.9	TP	+573	+1679	1,865,475	200,481	
"				"	7.7	267°30'	-77.4	-85.1			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-28-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.		8		55			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		FRASER FLAT-7 1/2		Nev.		Washoe								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										4276.9					
BS	3570		256°00'48"	17.1+	10.5	88°40'	-83.3	-72.8	4203.7		BS	-219	+3562		
"	"		"	"	9.8	271°20'	-83.3	-73.5		-73.23		BS			
691	3419		257°27'	17.1	10.0	88°45'	+74.8	+64.8		4268.5		+271	-3408	1,865,527	200,635
692	3135		260°14'	"	12.0	88°38'	+75.0	+63.0		4266.7		+406	-3109	1,865,656	200,934
693	2829		262°31'	"	20.4	88°28'	+75.9	+55.5		4259.2		+473	-2789	1,865,729	201,254
694	2509		264°18'	"	25.6	88°21'	+70.2	+45.2		4248.9		+496	-2460	1,865,752	201,583
695	2195		266°44'	"	16.6	88°10'	+70.3	+53.7		4257.4		+525	-2131	1,865,781	201,912
696	1893		270°27'	"	9.9	88° -	+66.1	+56.2		4259.9		+571	-1805	1,865,827	202,238
697	1605		275°45'	"	10.2	87°40'	+65.4	+55.2		4258.9		+623	-1479	1,865,879	202,564
698	1332		282°59'	"	5.9	87°40'	+54.3	+48.4		4252.1		+668	-1153	1,865,924	202,890
699	1056		291°07'	"	9.3	87°40'	+43.0	+33.7		4237.4		+653	-830	1,865,909	203,213
700	735		295°03'	"	10.2	88° -	+25.7	+15.5		4219.2		+493	-545	1,865,749	203,498
+	442		291°50'18"	"	4.3	89° -	+7.7	+3.4		4207.1		+278	-344	1,865,534	203,699
701	427		306°19'	"	9.7	89° -	+7.5	-2.2		4201.5		+343	-254	1,865,599	203,789
Gk. X _{avg}	377		347°51'50"	"	12.0	B.H.	-1.9	-13.9		4189.8		+376	+33	1,865,632	204,076
702	375		354°14'	17.1	11.4	90° -		-11.4		4192.3		+368	+74	1,865,624	204,117
π	~		~	"	~	~					π	○	○	1,865,256	204,043
703	534		31°04'	"	8.1	89° -	+9.3	+1.2		4204.9		+356	+398	1,865,612	204,441
704	823		36°56'	"	8.7	89° -	+14.4	+5.7		4209.4		+483	+666	1,865,739	204,709
Δ	1073		36°12'	17.1	10.0	89° -	+18.8	+8.8		4212.5		+611	+860	1,865,897	204,903

Y-1865500
X-203715 Sec. Cnr.

Y-186600
X-204090 Gk.

1st sta. on pavement

Y-1865880
X-204940 T

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-28-84		R. Crowbridge		B. Cotcamp		6834		B. W		8		56			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		FRASER FLAT - 1/2'		Nev.		Washoe								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4203.7						
705	1153		36°56'	17.1	10.4	89°-	+20.2	+9.8		4213.5		+677	+933	1,865,933	204,976
706	1483		"	"	12.2	89°-	+25.9	+13.7		4217.4		+871	+1200	1,866,127	205,243
707	1813		"	"	9.0	89°10'	+26.4	+17.4		4221.1	A	+1065	+1467	1,866,321	205,510
708	2143		"	"	11.0	89°10'	+31.3	+20.3		4224.0		+1259	+1734	1,866,515	205,777
709	2472		37°044'	"	10.2	89°17'	+31.0	+20.8		4224.5		+1424	+2021	1,866,680	206,064
TP	2583		37°29'06"	171	14.0	89°15'	+33.9	+19.9		4223.8	TP	+1497	+2105	1,866,753	206,148
"	"		"		13.5	270°45'	+33.9	+20.4	+20.3		TP				
BS	6488		230°33'53"	17.1	9.5	89°48'	-23.5	-14.0	4209.5		BS	+2466	+6001		
"	"		"		9.0	270°12'	-23.5	-14.5	14.3		BS				
710	6265		230°32'	"	8.9	89°50'	+19.0	+10.1		4219.6		-2384	-5794	1,866,835	206,355
711	5935		"	4	7.8	89°54'	+11.1	+3.3		4212.8		-2258	-5489	1,866,961	206,660
711	5783		230°39'08"	"	4.8	89°58'	+4.1	-0.7		4208.8		-2190	-5352	1,867,029	206,777
712	5605		230°32'	"	9.8	89°58'	+3.9	-5.9		4203.6		-2133	-5183	1,867,086	206,966
713	5275		"	"	13.5	90°-	+0.6	-12.9		4196.6		-2077	-4878	1,867,142	207,271
714	4945		"	"	10.0	90°05'	-6.7	-16.7		4192.8		-1882	-4573	1,867,337	207,576
715	4615		"	"	12.0	90°05'	-6.3	-18.3		4191.2		-1756	-4268	1,867,463	207,881
716	4285		"	"	9.3	90°05'	-5.9	-15.2		4194.3		-1631	-3963	1,867,588	208,186
717	3955		"	"	9.0	90°05'	-5.4	-14.4		4195.1		-1505	-3657	1,867,714	208,492
718	3625		"	"	10.0	90°05'	-5.0	-15.0		4194.5		-1379	-3352	1,867,846	208,797
719	3298		"	4	9.4	90°05'	-4.6	-14.0		4195.5		-1255	-3050	1,867,964	209,099

Y=1,867,010
X=206,820

FRASER FLAT - 1/2'
SUTCLIFFE - 15' ↓

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
10-28-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.		8		57							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Nevada				Nev		Washoe								R. Trowbridge					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		- COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									4209.5										
720	2969		230°32'	17.1	12.1	90°05'	-4.1	-16.2		4193.3		-1130	-2746	1,868,089	209,403				
721	2639		"	"	11.5	90°05'	-3.7	-15.2		4194.3		-1004	-2440	1,868,215	209,709				
722	2310		"	"	10.2	90°05'	-3.2	-13.4		4196.1		-879	-2136	1,868,340	210,013				
723	1980		"	"	8.6	90°05'	-2.8	-11.4		4198.1		-753	-1831	1,868,466	210,318				
724	1650		"	"	6.4	90°05'	-2.3	-8.7		4200.8		-628	-1526	1,868,591	210,623				
725	1320		"	"	9.3	89°50'	+3.9	-5.4		4204.1		-502	-1221	1,868,717	210,928				
726	990		231°11'	"	8.0	89°50'	+3.5	-4.5		4205.0		-447	-1121	1,868,772	211,028			Y-1,868,815 X-211,100	
727	660		230°32'	"	6.6	89°50'	+2.9	-3.7		4205.8		-377	-916	1,868,842	211,233				
728	330		"	"	8.9	89°30'	+5.8	-3.1		4206.4		-251	-610	1,868,968	211,539				
729	0		~	"	8.2	89° -	+5.8	-2.4		4207.1		-126	-305	1,869,093	211,844				
730	330		~	17.1	5.2	~		-5.2		4204.3	⌈	0	0	1,869,219	212,149				
731	660		48°50'	"	6.1	92° -	-11.5	-17.6		4191.9		+135	+301	1,869,354	212,450				
732	990		48°15'	"	10.1	92° -	-23.0	-33.1		4176.4		+275	+600	1,869,494	212,749				
733	1320		47°33'	"	9.8	91°35'	-27.4	-37.2		4172.3		+424	+895	1,869,643	213,044				
734	1649		46°54'	"	7.2	91°35'	-36.4	-43.6		4165.9		+579	+1186	1,869,798	213,335				
735	1977		46°55'	"	7.7	91°50'	-52.7	-60.4		4149.1		+748	+1469	1,869,967	213,618				
736	2306		44°03'	"	6.6	91°50'	-63.2	-69.8		4139.7		+926	+1747	1,870,145	213,896				
737	2634		43°13'	"	13.5	91°30'	-60.3	-73.8		4135.7		+1113	+2020	1,870,332	214,169				
738	2652		42°52'35"	"	12.7	91°30'	-68.8	-81.5		4128.0		+1304	+2288	1,870,523	214,437				
739	2652		42°52'35"	17.1	12.4	91°30'	-69.3	-81.7		4127.8		+1327	+2296	1,870,546	214,445			Y-1,870,600 X-214,520	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10-28-84	INSTRUMENT MAN R. Howbridge	ROD MAN B. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY BCW	WINE NO. 8	PAGE 58	
AREA Nevada	TOPO MAP Sutcliffe-15	STATE Nev.	COUNTY Washoe	TWP	RANGE	PPM	PARTY MANAGER L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4209.5						
738	2963		42°38'	17.1	8.8	91°30'	-77.4	-86.2		4123.3		+1493	+2559	1,870,712	214,708
739	3149		42°06'	"	8.7	91°25'	-77.6	-86.3		4123.2		+1612	+2704	1,870,831	214,853
739	3292		42°12'	"	5.3	91°25'	-81.2	-86.5		4123.0		+1681	+2831	1,870,900	214,980
740	3622		41°48'	"	5.7	91°15'	-78.7	-84.4		4125.1		+1871	+3161	1,871,090	215,250
741	3950		41°26'	"	9.2	91° -	-68.6	-77.8		4131.7		+2062	+3369	1,871,281	215,518
741	4045		41°09'	"	6.1	91° -	-70.3	-76.4		4133.1		+2128	+3439	1,871,347	215,588
742	4279		41°10'	"	10.1	90°50'	-61.9	-72.0		4137.5		+2251	+3639	1,871,470	215,788
743	4608		40°57'	"	10.2	90°40'	-53.2	-63.4		4146.1		+2438	+3910	1,871,657	216,059
744	4937		40°44'	"	7.0	90°30'	-42.6	-49.6		4159.9		+2628	+4179	1,871,847	216,328
745	5266		40°30'06"	17.1	6.3	90°20'	-30.1	-36.4			TP	+2821	+4446	1,872,040	216,595
TP	"		"		5.9	269°40'	-30.1	-36.0	36.23	4173.3	TP				
BS	3629		217°41'06"	17.1	+11.7	T.H.	-18.1	-6.4	4166.6		BS	+2093	+2965		
"	"		"		+11.2	270° T.H.	-18.1	-6.9	6.73		BS				
746	3300		217°41'	"	10.0	T.H.	+16.5	+6.5		4173.1		-1903	-2696	1,872,230	216,864
749	2970		"	"	11.0	T.H.	+14.9	+3.9		4170.5		-1713	-2426	1,872,420	217,134
748	2640		"	"	11.9	T.H.	+13.2	+1.3		4167.9		-1522	-2157	1,872,611	217,403
749	2310		"	"	13.1	T.H.	+11.6	-1.6		4165.0		-1332	-1887	1,872,801	217,673
750	1980		"	"	6.8	T.H.	+9.9	+3.1		4169.7		-1142	-1618	1,872,991	217,942
751	1650		"	"	16.5	90 -	+0.1	-16.4		4150.2		-952	-1348	1,873,181	218,212
752	1320		"	17.1	21.1	90 -		-21.1		4145.5		-761	-1078	1,873,372	218,482

Y=1,870,900
X=214,900

P.L.T.R.
Y=1,871,410
X=215,540

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

GEO-445

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE				
10-28-54		R.T. Rowbridge		B. Potcarp		6834				8						
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER				
Nevada		SUTCLIFFE 15'		Nev.		Washoe						L. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS & TP	COORDINATES		REMARKS		
												NORTH + SOUTH -	EAST + WEST -		Y	X
									4166.6							
753	990		217°04'	17.1	10.2	T.H.	+5.0	-5.3		4161.3		-571	-809	1,873,562	218,751	
754	660		"	"	13.3	89°	+11.5	-1.8		4164.8		-381	-539	1,873,752	219,021	
755	330		"	"	8.8	89°	+5.8	-3.0		4163.6		-196	-270	1,873,943	219,810	
756	0		~	17.1	5.2	~		-5.2		4161.4	π	0	0	1,874,133	219,560	
757	330		37°39'	"	6.7	90°		-6.7		4159.9		+190	+269	1,874,323	219,829	
758	660		"	"	8.3	90°		-8.3		4158.3		+381	+539	1,874,514	220,099	
759	990		"	"	10.0	90°		-10.0		4156.6		+571	+808	1,874,704	220,368	
760	1320		"	"	11.6	90°		-11.6		4155.0		+762	+1078	1,874,895	220,638	
761	1650		"	"	12.6	90°	+0.1	-12.5		4154.1		+952	+1347	1,875,085	220,907	
762	1980		"	"	3.5	90°	+0.1	-13.4		4153.2		+1143	+1617	1,875,276	221,177	
763	2310		"	"	8.0	90°10'		-6.6		4152.0		+1333	+1886	1,875,466	221,446	
764	2640		"	"	10.2	90°10'		-7.5		4148.9		+1524	+2156	1,875,657	221,716	
765	2970		38°19'	"	9.1	90°15'		-12.8		4144.7		+1687	+2444	1,875,820	222,001	
766	3293		39°32'	"	6.8	90°15'		-14.1		4145.7		+1811	+2750	1,875,944	222,310	
767	3610		41°01'	"	8.0	90°10'		-10.2		4148.4		+1907	+3065	1,876,040	222,625	
768	3920		42°47'	"	10.2	90°05'		-5.4		4148.4		+1967	+3391	1,876,100	222,951	
769	4227		44°27'	"	9.9	90°	+0.4	-9.5		4151.0		+2014	+3717	1,876,147	223,277	
770	4538		45°53'	"	12.1	89°45'	+20.2	+8.1		4157.1		+2061	+4043	1,876,194	223,603	
771	4859		46°42'	"	7.1	89°40'	+28.8	+21.7		4174.7		+2145	+4360	1,876,278	223,920	
N.B.M.	2904		36°49'42"	17.1	6.3	B.H.	-14.5	-20.8		4188.3		+2145	+4360	1,876,278	223,920	
										4145.8	Δ	+1710	+2347	1,875,843	221,907	

E.O.L. Line # 8
 5-1875800 x-221,810
 U.S.G.S. Bm 11434
 4030 1955

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	11-5-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	R.T. <i>le</i>	LINE NO.	8	PAGE	60
AREA	Nevada	TOPO MAP	Sutcliffe 15'	STATE	Nev.	COUNTY	Washoe	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										4185.9					
BS	607		214°45'54"	17.2	3.5	T.H	-3.0	+0.5	4186.4		BS	+374	+478		to Co's @ 771
"	"		"	"	11.1	89° -	-10.6	+0.5			BS	+4	-4		
772	283		206°32'	17.2	9.3	89°50'	+10.7	+1.4		4187.8		-204	-196	1,876,452	224,198
TP	~		~								TP	0	0	1,876,656	224,374
773	48		15°54'	17.2	8.8	87°50'	+1.8	-7.0		4179.4		+40	+26	1,876,676	224,420
774	378		07°01'	"	8.7	91° -	-6.6	-15.3		4171.1		+345	+155	1,877,001	224,549
775	704		01°02"	"	7.6	91° -	-12.3	-19.9		4166.5		+669	+220	1,877,325	224,614
TP	939		000°26'17"	17.2	12.0	91° -	-16.4	-28.4			TP	+895	+284	1,877,555	224,674
"	"		"		8.0	91°15'	-20.5	-28.5		4157.9	TP	+4	-4		
BS	3659	3649.3	207°08'48"	17.2	8.7	85°50'	-26.1	-257.4	3900.4		BS	+2610	+2551		
"	"				8.5	87°10'	-26.1	-257.6	-257.6		BS	+4	-4		Cross-Country
776	3566		207°21'	17.2	8.0	85°55'	+254.2	+246.2		4146.6		-2541	-2502	1,877,628	224,719
777	3256		209°08'	"	9.8	86° -	+227.3	+217.5		4117.9		-2248	-2355	1,877,921	224,866
778	2938		210°43'	"	8.9	86°10'	+196.6	+187.7		4088.1		-1969	-2181	1,878,200	225,040
779	2616		211°44'	"	6.5	87° -	+137.1	+130.6		4031.0		-1719	-1972	1,878,450	225,249
780	2287		212°15'	"	10.6	87°10'	+113.2	+102.6		4003.0		-1487	-1738	1,878,682	225,483
781	1959		212°50'	"	8.3	87°10'	+96.9	+88.6		3989.0		-1258	-1561	1,878,911	225,720
782	1632		213°49'	"	8.4	87°10'	+80.7	+72.3		3972.7		-1027	-1269	1,879,142	225,952
783	1302		214°54'	"	6.0	87°10'	+64.4	+58.4		3958.8		-800	-1027	1,879,369	226,194
784	977		213°26'	17.2	10.5	88°10'	+31.3	+20.8		3921.2		-620	-755	1,879,549	226,466

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-5-84		R. Towbridge		B. Lotcamp		6834		R.T. W		8		61			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Sutcliffe 15'		Nevada		Washoe								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3900.4						
785	646		211°21'		8.1	88°40'	+15.0	+6.9		3907.3		-428	-484	1879.741	226.737
786	320		206°26'		12.3	88°40'	+7.4	-4.9		3895.5		-232	-221	1879.937	227.000
787	~		~		5.2	~		-5.2		3895.2	X	0	0	1880.169	227.221
788	312		94°42'		11.9	90°30'	-2.7	-14.6		3885.8		-116	+289	1880.053	227.510
C. X-mg 789	308 639		90°57'06"		11.8	90°30'	-2.7	-14.5		3885.9		-96	+293	1880.073	227.514
789	639		98°16'		9.5	90°30'	-5.6	-15.1		3885.3		-275	+577	1879.894	227.798
790	969		99°43'		5.3	90°30'	-8.4	-13.7		3886.7		-439	+864	1879.730	228.085
791	1297		100°25'		12.4	90°-		-12.4		3888.0		-601	+1149	1879.568	228.370
792	1627		100°53'		11.0	90°-	+0.1	-10.9		3889.5		-766	+1435	1879.403	228.656
793	1957		101°07'		10.5	90°-	+0.1	-10.4		3890.0		-928	+1723	1879.241	228.944
794	2286		101°24'05"		13.9	90°-	+0.1	-13.8		3886.6	TP	-1094	+2007	1879.079	229.224
TP	"		"		13.9	270°~	+0.1	-13.8			TP	+4	-4		
BS	3296		282°39'00"		+14.9	90°20'	+19.0	+33.9	3920.3		BS	-1640	+2859		
"	"		"		+9.8	269°35'	+23.7	+33.5	+33.73		BS	+4	-4		
795	2970		282°39'		9.3	90°35'	-30.1	-39.4		3880.9		+1478	-2576	1878.921	229.503
796	2640		"		11.8	90°43'	-32.9	-44.7		3875.6		+1314	-2290	1878.757	229.789
797	2310		"		18.5	90°43'	-28.8	-47.3		3873.0		+1156	-2604	1878.593	230.075
798	1980		"		19.7	90°43'	-24.7	-44.4		3875.9		+986	-1717	1878.429	230.362
799	1650		"		20.4	90°43'	-20.6	-41.0		3879.3		+821	-1431	1878.264	230.648
800	1320		"		16.4	90°43'	-16.5	-32.9		3887.4		+657	-1145	1878.100	230.934

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-5-84		R. Trowbridge		B. Cotcamp		6834		RT. W		8		62			
AREA		TOPOG MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Sutcliffe 15		Nev.		Washoe								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC.	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3920.3						
801	990		282°39'		7.7	90°43'	-12.4	-20.1		3900.2		+493	-859	1,877,936	231,220
802	660		"		10.2	90° -		-10.2		3910.1		+329	-572	1,877,772	231,507
803	330		"		6.9	T.H.	+1.7	-5.2		3915.1		+164	-286	1,877,607	231,793
804	~		~		5.3	~		-5.3		3915.0	X	0	0	1,877,443	232,079
71	84		93°13'24"		5.6	90° -		-5.6		3914.7		-29	+79	1,877,414	232,158
805	330		102°36"		9.3	90° -		-9.3		3911.0		-164	+286	1,877,279	232,365
806	660		"		6.7	90° -	-11.5	-18.2		3902.1		-328	+573	1,877,115	232,652
807	990		"		8.0	91°20'	-23.0	-31.0		3889.3		-492	+859	1,876,951	232,938
808	1320		"		13.5	91°20'	-36.7	-44.2		3876.1		-656	+1145	1,876,787	233,224
809	1650		"		16.2	91°22'	-39.3	-55.5		3864.8		-820	+1432	1,876,623	233,511
810	1980		"		13.2	91°22'	-47.1	-60.3		3860.0		-984	+1718	1,876,459	233,797
811	2310		"		8.9	91°22'	-55.0	-63.9		3856.4		-1148	+2005	1,876,295	234,084
812	2640		"		8.9	91°15"	-57.4	-66.3		3854.0		-1312	+2291	1,876,131	234,370
813	2970		"		6.8	91°10'	-60.3	-67.1		3853.2		-1476	+2577	1,875,967	234,656
814	3300		102°36'30"		10.6	91° -	-57.4	-68.0			TP	-1640	+2863	1,875,807	234,938
TP	"				10.3	269° -	-57.4	-67.7	-0.98	3852.4	TP	+4	-4		
BS	2458		284°11'54"		+9.1	90° -	-0.1	+9.0	3861.2		BS	-1281	+2098		
"	"				+8.8	270° ~	-0.1	+8.7	3833		BS	+4	-4		
815	2129		284°34'		10.0	90° -	+0.1	-9.9		3851.3		+1121	-1810	1,875,651	235,222
816	1800		284°55'		11.8	90° ~	+0.1	-11.7		3849.5		+957	-1525	1,875,487	235,507

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-5-84		R. Trowbridge		B. Cottramp		6834		R.T. W		8		63			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Sutcliffe 15'		Nev.		Washoe								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3861.2						
817	1470		285°30'	17.2	13.0	90 -		-13.0		3848.2		+794	-1237	1,875,324	235,795
818	1140		286°10'	"	11.1	90 ~		-11.1		3850.1		+627	-952	1,875,157	236,080
819	811		287°23'	"	7.5	90 ~		-7.5		3853.7		+460	-668	1,874,990	236,364
820	481		288°23'	"	7.3	T.H.	+2.4	-4.9		3856.3		+286	-391	1,874,810	236,641
Cr. Crs. 179			289°32'24"	"	5.6	T.H.	+0.9	-4.7		3856.5		+102	-147	1,874,632	236,885
821	154		280°55'	"	4.6	B.H.	-0.8	-5.4		3855.8		+73	-136	1,874,603	236,896
π	~		~	17.2	~						π	0	0	1,874,530	237,032
822	184		125°12'	"	5.3	90 ~		-5.3		3855.9		-146	+112	1,874,384	237,144
823	512		120°30'	"	7.9	90 ~		-7.9		3853.3		-379	+345	1,874,151	237,377
824	842		"	"	11.3	90 ~		-11.3		3849.9		-623	+567	1,873,907	237,599
825	1171		122°14'	"	12.8	90 ~		-12.8		3848.4		-890	+762	1,873,640	237,794
826	1499		122°40'	"	6.4	B.H.	-7.5	-13.9		3847.3		-1146	+966	1,873,384	237,998
827	1829		123°42'	"	5.3	B.H.	-9.1	-14.4		3846.8		-1419	+1154	1,873,111	238,186
828	2158		124°02'	"	9.1	90°10'	-6.2	-15.3		3845.9		-1683	+1351	1,872,847	238,383
829	2488		124°24'	"	9.2	90°10'	-7.1	-16.3		3844.9		-1950	+1545	1,872,580	238,577
830	2818		"	"	9.5	90°10'	-8.0	-17.5		3843.7		-2208	+1750	1,872,322	238,782
831	3148		124°42'42"	17.2	14.2	90°05'	-4.4	-18.6		3842.7	TP	-2478	+1942	1,872,056	238,970
TP	"		"		13.9	269°55'	-4.4	-18.3	-18.3		TP	+4	-4		
BS	3956		302°00'06"	17.2	3.3	90°-	-0.3	+3.0	3845.8		BS	-2995	+2585		
"	"		"		3.5	270°~	-0.3	+3.2	+3.13		BS	+4	-4		

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		KLINE NO.		PAGE						
11-5-84		R. Trowbridge		B. Cotcamp		6834		R.T. W		8		64						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER				
Nevada				Nev		Washoe								L. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
									3845.8									
832	3628		301°35'	17.2	4.8	90~	+0.3	-4.5		3841.3		+2730	-2389	1,871,795	239,162			
833	3299		301°12'	"	6.4	90~	+0.2	-6.2		3839.6		+2467	-2190	1,871,532	239,361			
834	2970		301°43'	"	6.3	90~	+0.2	-6.1		3839.7		+2239	-1952	1,871,304	239,599			
835	2640		300°10'	"	6.2	90~	+0.1	-6.1		3839.7		+1942	-1788	1,871,007	239,763			
836	2310		"	"	6.8	90~	+0.1	-6.7		3839.1		+1699	-1565	1,870,764	239,986			
837	1980		"	"	6.9	90~	+0.1	-6.8		3839.0		+1457	-1341	1,870,522	240,210			
838	1650		"	"	7.2	90~	+0.1	-7.1		3838.7		+1214	-1118	1,870,279	240,433			
839	1320		"	"	8.1	90~		-8.1		3837.7		+971	-894	1,870,036	240,657			
840	990		"	"	7.7	90~		-7.7		3838.1		+728	-671	1,869,793	240,880			
841	660		"	"	7.3	90~		-7.3		3838.5		+486	-447	1,869,551	241,104			
842	330		"	"	6.6	90~		-6.6		3839.2		+243	-224	1,869,308	241,327			
843	~		~	17.2	5.1	~		-5.1		3840.7	π	0	0	1,869,065	241,551			
844	330		120°00"	"	5.3	T.H.	+1.7	-3.6		3842.2		-242	+224	1,868,823	241,775			
845	660		"	"	5.8	T.H.	+3.3	-2.5		3843.3		-484	+448	1,868,581	241,999			
846	990		"	"	6.2	T.H.	+5.0	-1.2		3844.6		-726	+673	1,868,339	242,224			
847	1320		"	"	6.4	T.H.	+6.6	+0.2		3846.0		-969	+897	1,868,096	242,448			
848	1650		119°21'	"	8.6	T.H.	+8.3	-0.3		3845.5		-1198	+1135	1,867,867	242,686			
849	1974		117°46'	"	10.2	T.H.	+9.9	-0.3		3845.5		-1395	+1397	1,867,670	242,948			
850	2287		114°49'	"	5.4	T.H.	+11.4	+6.0		3851.8		-1531	+1699	1,867,534	243,250			
851	2585		111°31'	17.2	9.3	89°25'	+26.5	+7.2		3863.0		-1617	+2017	1,867,448	243,568			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO	PAGE			
11-4-84		R. Trowbridge		B. Cotcamp		6834		R.T. W		8	65			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER		
Nevada		Nixon 15'		Nev.		Washoe						L. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									3845.8					
Crk. Xing	2700		109°41'00"	17.2	6.1	89°25'	+27.6	+21.5		3867.3		-1620	+2160	1867,445 243,711
852	2866		107°52'	"	9.0	89°20'	+33.5	+24.5		3870.3		-1647	+2346	1867,418 243,897
853	3154		104°51'	"	9.5	89°20'	+36.9	+27.4		3873.2		-1674	+2673	1867,391 244,224
854	3470		103°12'	"	12.1	89°20'	+40.6	+28.5		3874.3		-1756	+2993	1867,309 244,544
TP	3644		102°22'23"	17.2	14.7	89°20'	+42.7	+28.0		3873.9	TP	-1798	+3169	1867,271 244,716
"	"		"	"	14.5	90°40'	+42.7	+28.2	28.13		TP	+4	-4	
BS	4753		302°05'53"	17.2	0.6	90°~	-0.5	+0.1	3873.8		BS	-3603	+3100	
"	"		"	"	+0.3	270°~	-0.5	-0.2	30.13		BS	+4	-4	
855	4600		302°29'	"	4.8	90°~	+0.4	-4.4		3869.4		+3507	-2976	1867,179 244,836
856	4283		303°38'	"	13.5	90°~	+0.4	-13.1		3860.7		+3321	-2105	1866,993 245,107
857	3957		304°09'	"	7.8	90°10'	-11.2	-19.0		3854.8		+3090	-2471	1866,762 245,341
858	3628		"	"	10.8	90°10'	-10.3	-21.1		3852.7		+2833	-2266	1866,505 245,546
859	3298		"	"	12.1	90°10'	-9.4	-21.5		3852.3		+2476	-2060	1866,448 245,752
860	2968		"	"	11.5	90°10'	-8.5	-20.0		3853.8		+2318	-1854	1865,990 245,958
861	2639		"	"	10.8	90°10'	-7.5	-18.3		3855.5		+2061	-1648	1865,733 246,164
862	2310		"	"	10.8	90°10'	-6.6	-17.4		3856.4		+1804	-1443	1865,476 246,369
863	1980		"	"	11.0	90°10'	-5.7	-16.7		3857.1		+1546	-1237	1865,218 246,575
864	1650		"	"	11.3	90°10'	-4.7	-16.0		3857.8		+1289	-1031	1864,961 246,781
865	1320		"	"	11.8	90°10'	-3.8	-15.6		3858.2		+1031	-824	1864,703 246,988
866	990		"	17.2	11.0	90°10'	-2.9	-13.9		3859.9		+773	-618	1864,445 247,194

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-5-84		R. Trowbridge		B. Cotcamp		6834		R.T. W		8		66			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Nixon		Nev		Washoe								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3873.8						
867	660		304°09	17.2	7.3	90°10	-1.9	-9.2		3864.6		+515	-412	1864,157	247,400
868	338		"	"	8.7	89°20'	+3.8	-4.9		3868.9		+258	-206	1,863,930	247,606
869	0		~	"	-5.2	~		-5.2		3868.6	1	0	0	1,863,672	247,812
870	330		124°07'	17.2	9.0	90~		-9.0		3864.8		-258	+206	1,863,414	248,018
871	660		"	"	10.0	90~		-10.0		3863.8		-515	+413	1,863,157	248,225
872	990		"	"	9.6	90~		-9.6		3864.2		-773	+619	1,863,899	248,431
873	1320		"	"	9.4	90~		-9.4		3864.4		-1030	+825	1,862,642	248,637
874	1650		"	"	9.9	90~	+0.1	-9.8		3864.0		-1288	+1031	1,862,384	248,843
875	1980		"	"	10.0	90~	+0.1	-9.9		3863.9		-1546	+1238	1,862,26	249,050
876	2310		124°07'	"	10.1	90~	+0.1	-10.0		3863.8		-1863	+1444	1,861,869	249,256
877	2640		"	"	9.9	90~	+0.1	-9.8		3864.0		-2061	+1650	1,861,611	249,462
Crk.	2878		123°52'	"	8.2	90~	+0.2	-8.0		3865.8	Δ	-2239	+1809	1,861,433	249,621
878	2970		124°07'	"	6.7	90~	+0.2	-6.5		3867.3		-2318	+1856	1,861,354	249,668
879	3300		"	"	7.3	89°55'	+5.0	-2.3		3871.5		-2576	+2063	1,861,096	249,875
880	3630		"	"	7.9	89°55'	+5.6	-2.3		3871.5		-2834	+2269	1,860,838	250,081
881	3960		"	"	11.3	89°55'	+6.1	-5.2		3868.6		-3091	+2475	1,860,581	250,287
882	4291		124°09'50"	17.2	9.9	90~	+0.4	-9.5		3864.4	TP	-3352	+2679	1,860,324	250,487
TP	"		"	"	9.6	270~	+0.4	-9.2	-9.43		TP	+4	-4		
BS	3020		280°05'46"	17.2	8.7	90°30'	+26.2	+34.9	3899.1		BS	-1385	+2684		
"	"		"	"	8.4	269°30'	+26.2	+34.6	+34.78		BS	+4	-4		

Y-1,861,375
X-249,580

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
11-9-84		R. Trowbridge		B. Cotcamp		6034		RT. W		8	67				
AREA		TORG MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER							
Nevada		Nixon 15'	Nev	Washoe				L. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3899.1						
883	2724		276°14'	17.2	6.8	90°40'	-31.5	-38.3		3860.8		+1083	-2499	186026	250.668
884	2431		273°51'	"	13.2	90°10'	-28.2	-41.4		3857.7		+873	-2269	1859816	250.898
885	2122		270°54'	"	8.5	91°-	-36.9	-45.4		3853.7		+659	-2017	1859602	251.150
Section	2121		270°19'36"	"	9.5	91°-	-36.9	-46.4		3852.7		+639	-2022	1859582	251.145
886	1805		268°21'	"	13.2	91°-	-31.4	-44.6		3854.5		+484	-1739	1859427	251.428
887	1477		269°16'	"	13.3	91°-	-25.7	-39.0		3860.1		+369	-1430	1859312	251.737
888	1147		"	"	13.1	91°-	-20.6	-33.1		3866.0		+287	-1111	1859230	252.056
889	817		269°08'	"	9.7	91°-	-14.2	-23.9		3875.2		+230	-784	1859173	252.383
890	487		269°30'	"	6.0	91°-	-8.5	-14.5		3884.6		+140	-466	1859083	252.701
891	164		257°13'	"	6.9	91°-	-2.9	-9.8		3889.3		+13	-164	1858956	253.083
π	~		~	17.2	~	~					π	0	0	1858943	253.167
892	186		116°27'	"	5.8	91°-	-3.2	-9.0		3890.1		-128	+135	1858815	253.302
893	512		108°34'	"	13.1	90°~		-13.1		3886.0		-299	+415	1858644	253.582
894	842		"	"	13.4	B.H.	-4.2	-17.6		3881.5		-492	+683	1858451	253.850
895	1170		110°44'	"	12.0	B.H.	-5.9	-17.9		3881.2		-719	+923	1858224	254.090
896	1497		112°40'	"	10.6	B.H.	-7.5	-18.1		3881.0		-960	+1149	1857983	254.316
897	1823		114°08'33"	17.2	10.4	B.H.	-9.1	-19.5		3879.7	TP	-1204	+1369	1857743	254.532
"	"		"		10.2	270° B.H.	-9.1	-19.3	J-R.H.		TP	+4	-4		
BS	5227		283°55'16"	17.2	6.1	89°40'	-31.0	-24.9		3854.7	BS	-2702	+4475		
"	"		"		5.9	270°20'	-31.0	-25.1	J-25.0		BS	+4	-4		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 11-5-84	INSTRUMENT MAN R. Trowbridge	ROD MAN B. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY R.T. W	LINE NO. 8	PAGE 68
AREA Nevada	TOPO MAP Nixon 15'	STATE Nev.	COUNTY Washoe	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									3854.7							
898	4915'		282°46'	17.2	9.2	89°40'	+29.1	+19.9		3874.6		+2455	-4258	1,857,500	254,745	
899	4603		281°29'	"	7.4	89°45'	+20.5	+13.1		3867.8		+2209	-4038	1,857,254	254,965	
900	4414		280°59'30"	"	11.1	89°45'	+19.7	+8.6		3863.3		+2085	-3890	1,857,130	255,113	Y-1,857,085 X-255,000
901	4283		280°25'	"	13.3	89°45'	+19.1	+5.8		3860.5		+1985	-3795	1,857,030	255,268	
902	3958		279°32'	"	12.8	89°50'	+11.8	-1.0		3853.7		+1780	-3535	1,856,825	255,468	
903	3630		279°10'	"	10.5	89°55'	+5.6	-4.9		3849.8		+1612	-3252	1,856,657	255,751	
904	3300		"	"	12.0	89°55'	+5.0	-7.0		3847.7		+1466	-2957	1,856,511	256,046	
905	2970		"	"	8.5	89°55'	+4.5	-4.0		3850.7		+1319	-2661	1,856,364	256,342	
906	2640		"	"	5.3	89°55'	+4.0	-1.3		3853.4		+1172	-2365	1,856,217	256,638	
907	2310		"	17.2	6.7	89°55'	+3.5	-3.2		3851.5		+1026	-2070	1,856,071	256,933	
908	1980		"	"	10.7	89°55'	+3.0	-7.7		3847.0		+879	-1774	1,855,924	257,229	
909	1650		"	"	11.2	90°	+0.1	-11.1		3843.6		+733	-1478	1,855,778	257,525	
910	1320		"	"	11.3	90°		-11.3		3843.4		+586	-1183	1,855,631	257,820	
911	990		"	"	9.5	90°		-9.5		3845.2		+440	-887	1,855,485	258,116	
912	660		"	"	8.0	90°		-8.0		3846.7		+293	-591	1,855,338	258,412	
913	330		"	"	6.5	90°		-6.5		3848.2		+147	-296	1,855,192	258,707	
914	0		~	"	-5.3			-5.3		3849.4	TP	0	0	1,855,045	259,003	
915	330		99°04'	"	5.2	T.H.	+1.7	-3.5		3851.2		-146	+296	1,854,899	259,299	
916	660		99°04'	"	5.3	T.H.	+3.3	-2.0		3852.7		-292	+592	1,854,753	259,595	
917	807		98°06'22"	17.2	5.3	T.H.	+4.0	-1.3		3853.4		-345	+730	1,854,700	259,733	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
11-5-84		R. Krowbridge		B. Cotcamp		6834		R.T. W		8		69			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Nevada		Nixon 15'		Nev		Washoe								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3854.7						
916	990		99°04'	17.2	5.4	T.H.	+5.0	-0.4		3854.3		-438	+888	1,854,607	259,891
917	1320		"	"	6.0	T.H.	+6.6	+0.6		3855.3		-584	+1184	1,854,461	260,187
918	1650		"	"	8.3	T.H.	+8.3	+0.0		3854.7		-730	+1480	1,854,315	260,483
919	1980		"	"	8.3	T.H.	+9.9	+0.6		3855.3		-876	+1776	1,854,169	260,779
920	2308		99°41"	"	10.5	T.H.	+11.5	+1.0		3855.7		-1044	+2059	1,854,061	261,062
921	2638		100°16'	"	12.0	T.H.	+13.2	+1.2		3855.9		-1217	+2341	1,853,828	261,344
922	2967		100°31'	"	10.5	T.H.	+14.8	+4.3		3859.0		-1380	+2627	1,853,665	261,630
923	3297		100°45'	"	6.3	T.H.	+16.5	+10.2		3864.9		-1545	+2912	1,853,560	261,915
924	3627		100°52'52"	17.2	4.5 ^{0.3}	T.H.	+18.1	+13.9		3868.7	TP	-1707	+3200	1,853,342	262,199
TP	"		"		4.2 ^{0.3}	T.H.	+18.1	+14.2	+14.2		TP	+4	-4		
DS	2308		282°38'48"	17.2	9.9 ^{0.4}	T.H.	-11.5	-1.7	3866.9		DS	-1149	+2002		
"	"		"		9.7 ^{0.1}	T.H.	-11.5	-1.9	3863.3		BS	+4	-4		
925	1979		282°42'	"	7.5	T.H.	+9.9	+2.4		3869.3		+987	-1716	1,853,184	262,481
926	1650		"	"	8.9	T.H.	+8.3	-0.6		3866.3		+823	-1430	1,853,020	262,767
927	1320		"	"	11.0	T.H.	+6.6	-4.4		3862.5		+658	-1144	1,852,855	263,053
1K	1345		283°14'00"	"	10.7	T.H.	+6.7	-4.0		3862.9		+681	-1160	1,852,678	263,037
928	990		282°42'	"	10.3	T.H.	+5.0	-5.3		3861.6		+494	-858	1,852,691	263,339
929	660		"	"	8.5	T.H.	+3.3	-5.2		3861.7		+329	-572	1,852,526	263,625
930	330		"	"	6.9	T.H.	+1.7	-5.2		3861.7		+165	-286	1,852,362	263,911
931	0		~	17.2	5.0			-5.0		3861.9	TP	0	0	1,852,197	264,197

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	11-5-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	R.T. W	LINE NO.	8	PAGE	70
AREA	Nevada	TOPO MAP	Nixon's	STATE	Nev	COUNTY	Washoe	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									3866.9					
932	330		103°05'	17.2	8.1	89°30'	+2.9	-5.2		3861.7		-166	+285	1,852,031 264,482
933	660		"	"	10.8	89°30'	+5.8	-5.0		3861.9		-333	+570	1,851,864 264,767
934	990		"	"	12.0	89°30'	+8.7	-3.3		3863.6		-499	+855	1,851,698 265,052
935	1320		"	"	9.5	89°30'	+11.6	+2.1		3869.0		-666	+1146	1,851,531 265,337
936	1650		"	"	6.9	89°30'	+14.5	+7.6		3874.5		-832	+1425	1,851,365 265,622
937	1980		"	"	8.2	89°20'	+23.1	+14.9		3881.8		-998	+1710	1,851,199 265,907
938	2310		102°47'	"	9.5	89°10'	+33.7	+24.2		3891.7		-1155	+2001	1,851,042 266,198
≠	2527		102°16'42"	17.2	6.8	89°10'	+36.9	+30.1		3897.0		-1243	+2200	1,850,954 266,397

Hz. Corr.
y - 1,850,954
x - 266,397

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
10-31-84		B. Cotcamp		R. Trowbridge		6834		R.T.		8		71				
AREA		TOPO. MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA		NIXON-15		NEVADA		WASHOE								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
R1	U.S.C. + 65. B.M.									3969.9					Y-1848,840x-264,370	
BS	4676		209° 32' 05"	+17.4	4.8	89° 07' 30"	-71.9	-67.1	3902.9		BS	+3193	+3416		U.S.C. + 65. B.M. EL. 3902.9 S.O. 89 11 04 -67.0	
BS	4676				4.3	270° 52'	-71.2	-66.9	-67.0		BS					
1	3988		223° 47'	--	8.8	89° 56'	+5.0	-3.8								
2	3669		222° 36'	--	9.8	89° 56'	+4.5	-5.3								
3	3349		221° 24'	--	11.1	89° 56'	+4.1	-7.0								
4	3029		220° 05'	+17.4	6.9	-	-	-6.9								
5	2705		219° 05'	--	6.7	-	-	-6.7								
6	2379		217° 55'	--	7.2	-	-	-7.2								
7	2050		217° 25'	--	7.3	-	-	-7.3								
8	1758		214° 46' 11"	--	7.6	-	-	-7.6		3895.3		-1078	-1389	1,850,955	266,397	Y-1851,045x-266,190 4 way int.
1008	1743		214° 46'	+17.4	7.6	-	-	-7.6		3895.3		-1069	-1377	1,850,964	266,409	Same as station 939 on line #8 survey.
1009	1417		214° 00'	--	7.0	-	-	-7.0		3895.9		-884	-1107	1,851,149	266,679	
1010	1090		212° 10'	--	6.9	-	-	-6.9		3896.0		-707	-830	1,851,326	266,959	
1011	764		209° 00'	--	6.8	-	-	-6.8		3896.1		-527	-553	1,851,506	267,233	
1012	434		207° 50'	--	8.1	TH	+2.2	-5.9		3897.0		-306	-308	1,851,727	267,478	
1013	116		187° 10'	--	5.8	-	-	-5.8		3897.1		-106	-48	1,851,927	267,738	
X	0				5.1	-	-	-5.1		3897.8	X	0	0	1,852,033	267,786	
1014	211		354° 35'	+17.4	9.5	91°	-3.7	-13.2		3889.7		+206	+44	1,852,239	267,830	
1015	540		0° 10'	--	8.6	91° 20'	-12.6	-21.2		3881.7		+515	+163	1,852,548	267,949	
1016	862		1° 50'	--	4.9	91° 20'	-20.1	-25.0		3877.9		+814	+284	1,852,847	268,070	

Stations 939-1007 do not exist.
The stations skip from 938 to 1008.

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-1-84		B. Cotcamp		R. Trowbridge		6834		R.T. le		8		72			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Nixon - 15		NEV.		WASHOE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3902.9						
1017	1181		3° 05'	+17.4	11.3	90° 40'	-13.7	-25.0		3877.9		+1106	+413	1853,139	268,199
1018	1491		7° 42'	--	8.8	90° 40'	-17.3	-26.1		3876.8		+1350	+632	1853,383	268,418
1019	1812		10° 10'	--	6.4	90° 40'	-21.0	-27.4		3875.5		+1606	+839	1853,639	268,625
1020	2133		12° 10'	--	9.6	90° 36'	-18.5	-28.1		3874.8		+1855	+1053	1853888	268,839
1021	2458		13° 33'	--	6.6	90° 30'	-21.3	-27.9		3875.0 #		+2108	+1264	1854,141	269,050
1022	2785		14° 15'	+17.4	11.1	90° 20'	-16.0	-27.1		3875.8		+2371	+1461	1854,404	269,247
1023	3097		15° 55'	--	6.9	90° 20'	-17.8	-24.7		3878.2		+2588	+1701	1854,621	269,487
1024	3408		17° 41'	--	10.8	90° 14'	-13.6	-24.4		3878.5		+2789	+1959	1854,822	269,745
1025	3719		19° 26'	--	9.1	90° 14'	-14.9	-24.0		3878.9		+2977	+2230	1855,010	270,016
1026	4032		20° 45'	--	7.8	90° 14'	-16.1	-23.9		3879.0		+3171	+2491	1855,201	270,277
1027	4357		21° 10'	--	6.9	90° 14'	-17.4	-24.3		3878.6		+3407	+2716	1855,440	270,502
1028	4675		22° 05'	+17.4	8.9	90° 10'	-13.1	-22.0		3880.9		+3608	+2973	1855,641	270,759
1029	4988		23° 05'	--	8.0	90° 10'	-14.0	-22.0		3880.9		+3794	+3238	1855,827	271,024
1030	5285		24° 32'	--	7.8	90° 10'	-14.8	-22.6		3880.3		+3932	+3532	1855,965	271,318
1031	5552		26° 33' 28"	--	10.8	90° 04'	-5.8	-16.6		3886.4	TP	+3997	+3854	1856,030	271,640
1031	5552			--	10.5	269° 56'	-5.8	-16.3	-16.3		TP				
	4302		252° 19' 01"	+17.3	10.6	90° 10'	+12.1	+22.7	3909.0		BS	+29	+4302		
	4302			+10.3	10.3	269° 50'	+12.1	+22.4	+22.4		BS				
1032	3979		253° 15'	--	10.9	90° 10'	-11.2	-22.1		3886.9		+38	-3979	1856,097	271,463
1033	3651		255° 40'	--	7.8	90° 16'	-16.7	-24.5		3884.5		+62	-3650	1856,121	272,292

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-1-84		B. Cotcamp		R. Trowbridge		6834		R.T. <i>W</i>		9		73			
AREA		TOPQ MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		NIXON-15		NEV.		WASHOE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3909.0						
1034	3324		254° 12'	+17.3	13.0	90° 16'	-15.2	-28.2		3880.8		+ 87	-3323	1856,146	272,619
1035	3000		255° 25'	--	11.3	90° 20'	-17.3	-28.6		3880.4		+ 142	-2997	1856,201	272,945
1036	2686		257° 25'	--	13.3	90° 20'	-15.5	-28.8		3880.2		+ 221	-2677	1856,260	273,265
1037	2360		258° 25'	--	8.8	90° 30'	-20.5	-29.3		3879.7		+ 235	-2348	1856,294	273,594
1038	2056		260° 18'	--	8.8	90° 30'	-17.9	-26.7		3882.3		+272	-2038	1856,331	273,904
<i>W</i>	2171		261° 08' 02"	+17.3	7.6	90° 30'	-18.8	-26.4		3882.6	<i>W</i>	+318	-2147	1856,377	273,995 <i>W</i> <i>y</i> - intersect
1039	1730		258° 45'	--	8.1	90° 40'	-20.1	-28.2		3880.8		+ 182	-1720	1856,241	274,222
1040	1408		256° 14'	--	11.1	90° 40'	-16.3	-27.4		3881.6		+ 87	-1405	1856,146	274,537
1041	1089		252° 15'	--	11.8	90° 40'	-12.6	-24.4		3884.6		-9	-1089	1856,050	274,853
1042	799		242° 56'	--	8.8	90° 40'	-9.3	-18.1		3890.9		-137	-787	1855,920	275,155
<i>W</i>	739		237° 26' 27"	+17.3	12.0	90° 10'	-2.1	-14.1		3894.9	<i>W</i>	-194	-713	1855,815	275,279 <i>W</i> <i>T</i> - intersect
1043	523		229° 15'	--	7.3	-	-	-7.3		3910.7		-208	-480	1855,851	275,462
1044	223		205° 50'	--	6.0	-	-	-6.0		3903.0		-163	-152	1855,896	275,790
1045	119		74° 05'	--	6.0	93° -	-6.2	-12.2		3896.8		-3	+119	1856,056	276,061
<i>T</i>	0				5.0	-	-	-5.0		3904.0	<i>T</i>	0	0	1856,059	275,942
1046	444		41° 50'	+17.3	11.0	94° 20'	-33.5	-44.5		3864.5		+ 228	+381	1856,287	276,323 <i>STA. FALLS IN RIVER</i>
1047	762		46° 15'	--	12.9	92° 20'	-31.0	-43.9		3865.1		+409	+643	1856,468	276,585
1048	1090		38° 45'	--	4.8	91° 24'	-26.6	-31.4		3877.6		+609	+904	1856,668	276,846
1049	1413		36° 02'	--	12.7	90° 30'	-12.3	-25.0		3884.0		+ 844	+1133	1856,903	277,075
1050	1745		35° 40'	--	9.6	90° 30'	-15.2	-24.8		3884.2		+1051	+1393	1857,110	277,335

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
11-1-84		B. Cotcamp		R. Trowbridge		6834		R.T. W		8		74				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA		NIXON -15'		NEVADA		WASHOE								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									3909.0							
1051	2075		35° 32'	+17.3	6.8	90° 30'	-18.0	-24.8		3884.2		+1254	+1654	1857,313	277,596	
1052	2404		35° 10'	--	10.3	90° 20'	-13.9	-24.2		3884.8		+1465	+1906	1857,524	277,848	
1053	2734		35° 05'	--	8.8	90° 20'	-15.8	-24.6		3884.4		+1669	+2166	1857,728	278,108	
TP	2817		34° 51' 16"	--	5.0	90° 20'	-16.2	-21.2		3887.8	TP	+1728	+2224	1857,937	278,166	TP - Intersect
1054	3063		34° 55'	--	4.1	90° 10'	-8.7	-12.8		3896.2		+1877	+2421	1857,936	278,363	
±	3324		35° 28' 55"	--	10.6	89° 34'	+25.4	+14.8		3923.8	±	+2010	+2647	1858,069	278,589	± - 1858,110 x - 278,535 T - Intersect
1055	3383		35° 15'	+17.3	8.7	89° 34'	+25.8	+10.1		3926.1		+2057	+2686	1858,116	278,628	
1056	3673		34° 02'	--	16.8	89° 34'	+28.1	+17.3		3926.3		+2295	+2868	1858,354	278,810	
1057	4001		34° 07'	--	12.2	89° 30'	+35.2	+23.0		3932.0		+2495	+3128	1858,551	279,070	
1058	4324		33° 20'	--	12.3	89° 22'	+48.2	+35.9		3944.9		+2743	+3343	1858,802	279,285	
1059	4639		32° 09'	--	10.0	89° 22'	+51.7	+41.7		3950.3		+3016	+3525	1859,075	279,467	
TP	4633		34° 08' 18"	--	4.9	89° 20'	+54.3	+49.4			TP	+2888	+3622	1858,947	279,564	
TP	4633			--	4.6	270° 46'	+54.3	+49.7	+49.3	3958.6	TP					
	3009		194° 31' 05"	+17.3	10.3	90° 06'	+5.1	+15.4	3973.8		BS	+2557	+1586			
	3009				+9.8	269° 54'	+5.1	+14.9	+15.2		BS					
1060	2627		197° 50'	--	11.3	90° 10'	-7.5	-18.8		3955.0		-2148	-1512	1859,356	279,638	
1061	2304		197° 00'	--	5.0	90° 10'	-6.6	-11.6		3962.2		-1903	-1298	1859,601	279,852	
1062	1976		196° 00'	--	12.3	-	-	-12.3		3961.5		-1652	-1085	1859,852	280,065	
1063	1646		196° 05'	--	13.0	-	-	-13.0		3960.8		-1374	-906	1860,130	280,244	
1064	1317		196° 50'	--	11.2	-	-	-11.2		3962.6		-1090	-739	1860,444	280,411	

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-1-84		B. Cotcamp		R. Trowbridge		6834		RTI, W		8		75			
AREA		TOPQ MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Nixon - 15'		NEV.		WASHOE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3973.8						
1065	988		196° 30'	+17.3	11.1	✓		-11.1		3962.7		-821	-550	1860,683	280,600
1066	659		195° 09'	--	11.0	-		-11.0		3962.8		-557	-353	1860,947	280,797
1067	330		192° 05'	--	9.7	-		-9.7		3964.1		-288	-162	1861,216	280,988
1068	0				5.1	-		-5.1		3968.7	TP	0	0	1861,504	281,150
1069	330		3° 00'	+17.3	10.9	-		-10.9		3962.9		+310	+114	1861,814	281,264
1076	657		4° 00'	--	10.5	BH	-3.3	-13.8		3960.0		+612	+239	1862,116	281,389
1071	984		6° 50'	--	11.0	BH	-4.9	-15.9		3957.9		+898	+402	1862,462	281,552
1072	1314		7° 47'	--	9.1	BH	-6.6	-15.7		3958.1		+1190	+557	1862,694	281,707
1073	1644		8° 10'	--	10.6	BH	-8.2	-18.8		3955.0		+1484	+707	1862,958	281,859
1074	1973		7° 50'	--	9.5	BH	-9.9	-19.4		3954.4		+1786	+838	1863,290	281,988
1075	2303		7° 10'	+17.3	5.8	BH	-11.5	-17.3		3956.5		+2096	+954	1863,600	282,104
1076	2631		7° 35'	--	7.8	90° 10'	-7.5	-15.3		3958.5		+2387	+1107	1863,891	282,257
1077	2961		8° 00'	--	8.8	90° 10'	-8.4	-17.2		3956.6		+2677	+1265	1864,181	282,415
1078	3290		8° 15'	--	9.3	90° 10'	-9.3	-18.6		3955.2		+2968	+1419	1864,472	282,569
1079	3618		8° 34' 53"	--	5.6	90° 10'	-10.3	-15.9			TP	+3255	+1579	1864,759	282,729
1079	3618				5.1	269° 50'	-10.3	-15.4	-15.3	3958.2	TP				
	2293		187° 21' 24"	+17.3	9.7	88° 20'	-60.1	-50.4	3907.7		BS	+2083	+956		
	2293			+9.4	211 30		-60.1	-50.7	-50.53		BS				
1080	1966		185° 53'	--	10.8	88° 20'	+57.3	+46.5		3954.2		-1807	-774	1865,035	282,911
1080	1820		185° 05' 32"	--	10.1	88° 20'	+53.0	+42.9		3950.6	IF	-1682	-693	1865,160	282,992

IF y = 1.865,150 x - 282,975
y = intercept El. 3952

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-1-84		B. Cotcamp		R. Trowbridge		6834		BC.W		8		76			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Nixon - 15'		NEV.		WASHOE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3907.7						
1081	1649		184° 50'	+17.3	11.2	88° 20'	+48.0	+36.8		3944.5		-1527	-621	1865,315	283,064
1082	1320		" "	--	12.3	88° 20'	+38.4	+26.1		3933.8		-1223	-497	1865,619	283,188
1083	990		" "	--	9.8	88° 20'	+28.8	+19.0		3926.7		-917	-373	1865,925	283,312
1084	660		" "	--	8.9	88° 20'	+19.2	+10.3		3918.0		-611	-249	1866,231	283,436
1085	330		" "	--	5.0	88° 20'	+9.6	+4.6		3912.3		-306	-124	1866,536	283,561
1086	0				5.1	-		-5.1		3902.6	TP	0	0	1866,842	283,685
1087	328		15° 46'	+17.3	12.3	92° 50'	-16.2	-28.5		3879.2		+275	+178	1867,117	283,863
1088	651		8° 20'	--	8.6	92° -	-22.7	-31.3		3876.4		+587	+282	1867,429	283,967
1089	975		4° 30'	--	6.0	91° -	-17.0	-23.0		3884.7		+905	+362	1867,747	284,047
Bm	1194		1° 02' 47"	--	3.6	-		-3.6		3904.1	Bm	+1133	+376	1867,975	284,061
1090	1276		358° 00'	--	9.2	89° 40'	+7.5	-1.7		3906.0		+1231	+337	1868,073	284,022
1091	1597		355° 25'	+17.3	8.0	89° 30'	+14.0	+6.0		3913.7		+1558	+352	1868,400	284,037
1092	1926		354° 50'	--	13.5	89° 30'	+16.9	+3.4		3911.1		+1883	+405	1868,725	284,090
1093	2256		" "	--	11.6	89° 40'	+13.2	+1.6		3909.3		+2206	+474	1869,048	284,159
1094	2589		355° 20'	--	12.7	89° 40'	+15.2	+2.5		3910.2		+2526	+566	1869,368	284,251
1095	2914		356° 10'	--	8.7	89° 40'	+17.1	+8.4		3916.1		+2834	+679	1869,676	284,364
1096	3240		356° 46' 05"	--	13.3	89° 34'	+24.7	+11.4			TP	+3143	+788	1869,985	284,473
1096	3240				12.8	270° 26'	+24.7	+11.9	+11.7	3919.4	TP				
	3588		194° 01' 47"	+16.9	13.1	92° -	+125.0	+138.1	+11.7	4057.1	BS	+3076	+1843		
	3588			--	12.2	268° -	+125.0	+137.2	+137.7		BS				

y=1868,000 x=284,175
U.S.G.L.O. Bm #1. 3704.0
1911.

y=1870,000 x=284,470
y-Intersect

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
11-1-84		B. Cotcamp		R. Trowbridge		6834		B.C.W.		8		77				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA		Nixon - 15		NEV.		WASHOE								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									4057.1							
1097	3293		196° 30'	+16.9	5.2	92° 20'	-133.8	-139.0		3918.1		-2749	-1813	1,870,312	284,503	
1098	3095		200° 15'	--	5.6	92° 30'	-132.2	-137.8		3919.3		-2419	-1833	1,870,642	284,463	
1099	2777		204° 15'	--	12.2	92° 30'	-121.0	-133.2		3923.9		-2091	-1827	1,870,970	284,489	
1100	2513		208° 35'	--	9.8	92° 40'	-116.8	-126.6		3930.5		-1762	-1792	1,871,299	284,524	
1101	2242		213° 05'	+16.9	10.2	92° 50'	-110.7	-120.9		3936.2		-1442	-1717	1,871,619	284,599	
1102	2003		219° 17'	--	12.7	93° 0'	-104.7	-117.4		3939.7		-1115	-1664	1,871,946	284,652	
1103	1788		226° 50'	--	8.0	93° 30'	-109.1	-117.1		3940.0		-791	-1603	1,872,270	284,713	
1104	1573		235° 20'	--	9.9	93° 40'	-100.5	-110.4		3946.7		-480	-1498	1,872,581	284,818	
≡	1635		233° 51' 37"	--	11.9	93° 30'	-99.8	-111.7		3945.4	≡	-539	-1544	1,872,522	284,772	≡ - intersect
1105	1290		241° 55'	+16.9	11.2	93° 50'	-86.2	-97.4		3959.7		-250	-1266	1,872,811	285,050	
1106	982		247° 38'	--	10.0	93° 50'	-65.6	-75.6		3981.5		-94	-978	1,873,167	285,338	
1107	658		252° 00'	--	9.7	93° 50'	-44.0	-53.7		4003.4		-13	-658	1,873,048	285,658	
1108	330		252° 40'	--	7.9	93° 0'	-17.3	-25.2		4031.9		-3	-330	1,873,058	285,986	
1109	0				5.1	-		-5.1		4052.0	π	0	0	1,873,061	286,316	
1110	330		62° 00'	+16.9	8.0	87° 0'	+17.3	+9.3		4066.4		+64	+324	1,873,125	286,640	
1111	659		59° 25'	--	7.8	87° 0'	+34.5	+26.7		4083.8		+156	+640	1,873,217	286,956	
1112	989		58° 20'	--	10.8	87° 0'	+51.8	+41.0		4098.1		+252	+956	1,873,313	287,272	
1113	1319		57° 50'	--	10.6	87° 0'	+69.1	+58.5		4115.6		+347	+1272	1,873,408	287,588	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	11-1-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.W.	LINE NO.	8	PAGE	78
AREA	NEVADA	TOPO MAP	NIXON - 15	STATE	NEV.	COUNTY	WASHOE	TWP		RANGE	PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4057.1						
TP	1531		55° 10' 01"	+16.9	12.3	87° -	+80.2	+67.9	} +68.23	4125.3	TP	+471	+1455	1873,532	287,771
TP	1531		41' 25"		11.8	273° -	+80.2	+68.4				TP			
	3093		187° 39' 32"	- - +	7.6	89° 34'	-23.6	-16.0	} 4109.0		BS	+2813	+1286		
	3093				+10.6	270° 30'	-27.2	-16.6				BS			
1114	3060		185° 20'	- -	10.2	89° 30'	+26.9	+16.7		4125.7		-2832	-1158	1873,513	287,899
1115	2853		180° 23'	- -	12.2	89° 20'	+33.4	+21.2		4130.2		-2724	-848	1873,621	288,209
1116	2609		175° 45'	- -	12.2	89° 10'	+38.1	+25.9		4134.9		-2546	-571	1873,799	288,486
1117	2307		172° 42'	+16.9	8.2	89° 20'	+27.0	+18.8		4127.8		-2275	-385	1874,070	288,673
1118	1979		172° 10'	- -	9.3	89° 30'	+17.4	+8.1		4117.1		-1954	-312	1874,391	288,745
1119	1650		- -	- -	11.8	89° 40'	+9.7	-2.1		4106.9		-1629	-260	1874,716	288,797
1120	1320		- -	- -	10.5	89° 54'	+2.3	-8.2		4100.8		-1304	-208	1875,041	288,849
1121	990		- -	- -	8.1	-		-8.1		4100.9		-978	-156	1875,367	288,901
1122	660		- -	- -	6.0	-		-6.0		4103.0		-652	-104	1875,693	288,953
1123	330		- -	- -	8.7	89° -	+5.8	-2.9		4106.1		-326	-52	1876,019	289,005
1124	0				5.1	-		-5.1		4103.9	TP	0	0	1876,345	289,057
1125	330		354° 45'	+16.9	11.8	89° 10'	+4.8	-7.0		4102.0		+323	+67	1876,668	289,124
#	389		353° 30' 10"	- -	12.0	89° 10'	+5.7	-6.3		4102.7	#	+383	+70	1876,728	289,127
1126	658		352° 07'	- -	11.3	90° 10'	-1.9	-13.2		4095.8		+650	+103	1876,995	289,160
1127	988		- -	- -	10.3	90° 10'	-2.9	-13.2		4095.8		+976	+155	1877,321	289,212
1128	1318		- -	- -	5.0	90° 10'	-3.8	-8.8		4100.2		+1302	+207	1877,647	289,264

* - 1876,720 x - 289,175
creek crossing

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-1-84		B. Cotcamp		R. Trowbridge		6834		B.C.W		9		79			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Nixon - 15'		NEV.		WASHOE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4109.0						
1129	1648		352° 07'	+16.9°	9.0	89° 50'	+4.8	-4.2		4104.8		+1628	+258	1877973	289,315
1130	1978		" "	" "	9.1	89° 50'	+5.8	-3.3		4105.7		+1954	+310	1878299	289,367
1131	2308		" "	" "	10.2	89° 50'	+6.8	-3.4		4105.6		+2279	+362	1878624	289,419
1132	2638		352° 07'	" "	10.1	89° 50'	+7.8	-2.3		4106.7		+2605	+413	1878950	289,470
1133	2968		" "	" "	10.7	89° 50'	+8.8	-1.9		4107.1		+2931	+465	1879276	289,522
1134	3298		" "	" "	8.7	-	-	-8.7		4100.3		+3257	+517	1879602	289,574
TP	3176		351° 49' 47"	" "	10.1	89° 54'	+5.8	-4.3		4104.8	TP	+3139	+482	1879484	289,539
TP	3176				9.8	270° 06'	+5.8	-4.0	-4.3		TP				
	635		177° 02' 37"	+16.9°	5.5	89° -	-11.1	-5.6			BS	+616	+153		
	635				+12.8	88° 20'	-18.5	-5.7	4099.1		BS				
1135	184		179° 00'	" "	7.7	88° 15'	+2.4	-5.3		4093.8		-177	-50	1879923	289,642
X	0				5.1	-	-	-5.1		4094.0	X	0	0	1880,100	289,692
1136	147		11° 24'	" "	7.4	91° 50'	-4.7	-12.1		4087.0		+129	+70	1880,229	289,762
1137	477		" "	" "	10.0	91° 50'	-15.3	-25.3		4073.8		+420	+226	1880,520	289,918
1138	806		11° 25' 56"	" "	9.5	92° 10'	-30.5	-40.0		4059.1	TP	+709	+382	1880,813	290,079
1138	806				11.9	92° -	-28.1	-40.0			TP	"	"		
	3629	3627.8	193° 03' 34"	+16.9°	11.1	88° 30'	-95.3	-84.2	3974.6		BS	+3143	+1812		
	3629				+10.6	271° 36'	-95.3	-84.7	3845.8		BS	"	"		
1139	3300		193° 04'	" "	9.4	88° 40'	+77.0	+67.6		4042.2		-2859	-1648	1881,101	290,248
1140	2970		" "	" "	9.1	88° 50'	+60.7	+51.6		4026.2		-2573	-1484	1881,357	290,412

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		SHEET NO.		PAGE			
11-1-84		B. Cotcamp		R. Trowbridge		6834		B.C.W		8		86			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Nixon-15		NEVADA		WASHOE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
									3974.6						
1141	2640		193° 04'	+16.9°	12.4	88° 50'	+53.9	+41.5		4016.1		-2287	-1319	1881,673	290,577
1142	2310		" "	" "	7.1	88° 50'	+47.1	+40.0		4114.6		-2001	-1154	1881,959	290,742
1143	1986		" "	" "	10.2	88° 50'	+40.4	+30.2		4004.8		-1715	-989	1882,245	290,907
1144	1650		" "	" "	13.1	88° 50'	+33.7	+20.6		3995.2		-1429	-824	1882,531	291,072
1145	1320		193° 04'	+16.9°	11.9	88° 50'	+26.9	+15.0		3989.6		-1144	-659	1882,816	291,237
1146	990		" "	" "	8.1	88° 50'	+20.2	+12.1		3986.7		-858	-495	1883,102	291,401
1147	660		" "	" "	6.0	88° 50'	+13.4	+7.4		3982.0		-572	-330	1883,388	291,566
1148	330		" "	" "	6.9	88° 50'	+6.7	-0.2		3974.4		-286	-165	1883,674	291,731
1149	0		" "	" "	5.1	-	-	-5.1		3969.5	X	0	0	1883,960	291,896
1150	330		13° 01'	+16.9°	5.8	91° 30'	-8.6	-14.4		3960.2		+286	+165	1884,246	292,061
1151	660		" "	" "	6.3	91° 30'	-17.3	-23.6		3951.0		+572	+329	1884,532	292,225
1152	990		" "	" "	4.0	91° 30'	-25.9	-29.9		3944.7		+858	+494	1884,818	292,390
1153	1318		12° 39' 02"	" "	4.1	91° 30'	-27.1	-31.2		3943.4	//	+900	+510	1884,860	292,406
1154	1647		14° 18'	+16.9°	7.1	91° 20'	-30.6	-37.7		3936.9		+1127	+683	1885,087	292,579
1155	1975		15° 07'	" "	6.7	91° 20'	-38.3	-45.0		3929.6		+1396	+873	1885,356	292,769
1156	2305		15° 36'	" "	4.8	91° 20'	-45.9	-50.7		3923.9		+1666	+1061	1885,626	292,957
1157	2635		16° 05'	" "	7.7	91° 10'	-46.8	-54.5		3920.1		+1934	+1255	1885,894	293,151
1158	2965		16° 15'	" "	6.3	91° 10'	-53.5	-59.8		3914.8		+2206	+1441	1886,166	293,337
1159	3294		16° 39'	" "	12.2	91° -	-51.6	-63.8		3910.8		+2475	+1632	1886,438	293,528
			16° 39'	" "	11.6	90° 50'	-47.7	-59.3		3915.3		+2745	+1820	1886,705	293,716

1884,785 x - 292,380
// y - intersect el. 3943.0

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11.1.84		B. Cotcamp		R. Trowbridge		6834		B.C.W.		8		81			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Nixon-15		NEB.		WASHOE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3974.6						
1160	3624		16° 49'	+16.9°	10.0	90° 36'	-37.7	-47.7		3926.9		+3014	+2012	1886,974	293,908
1161	3952		17° 01'	--	13.4	90° 20'	-22.7	-36.1		3938.5		+3280	+2205	1887,240	294,101
1162	4277		17° 50' 28"	--	8.0	90° 24'	-29.5	-37.5			TP	+3514	+2437	1887,478	294,338
1162	4277				12.6	269° 40'	-24.5	-37.1	-37.3	3937.3	TP				
	2309		210° 27' 06"	-- +	9.1	89°	-40.4	-31.3	3905.7		BS	+1564	+1698		
	2309			+	8.6	211°	-40.4	-31.8	-31.3		BS				
1163	1980		210° 35'	+16.9°	10.4	89° 10'	+28.9	+18.5		3924.2		-1338	-1459	1887,708	294,582
1164	1650		--	--	13.1	89° 10'	+24.1	+11.0		3916.7		-1115	-1216	1887,931	294,825
1165	1320		--	--	9.2	89° 30'	+11.6	+2.4		3908.1		-892	-973	1888,154	295,068
1166	990		--	--	11.1	89° 30'	+8.7	-2.4		3903.3		-669	-730	1888,377	295,311
1167	660		--	--	10.9	89° 30'	+5.8	-5.1		3900.6		-446	-486	1888,600	295,555
1168	330		--	--	8.8	89° 30'	+2.9	-5.9		8899.8		-223	-243	1888,823	295,798
1169	0				5.1	-		-5.1		3900.6	T	0	0	1889,046	296,041
1170	330		30° 40'	+16.9°	6.6	89° 30'	+2.9	-3.7		3902.0		+223	+244	1889,269	296,285
1171	660		--	--	5.9	89° 30'	+5.8	-0.1		3905.6		+445	+487	1889,491	296,528
1172	990		--	--	12.0	89°	+17.3	+5.3		3911.0		+668	+731	1889,714	296,772
1173	1320		--	--	10.0	89°	+23.1	+13.1		3918.8		+891	+974	1889,937	297,015
1174	1650		--	--	6.0	89°	+28.9	+22.9		3928.6		+1113	+1218	1890,159	297,259
1175	1980		--	--	7.7	88° 50'	+40.4	+32.7		3938.4		+1336	+1461	1890,382	297,502
1175	1824		30° 32' 42"	--	8.8	88° 50'	+37.2	+28.4		3934.1	1175	+1233	+1343	1890,605	297,744

3-1,890,250 X - 297,390
y - intersect

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
11-1-84		B. Cotcamp		R. Trowbridge		6834		BCW		8		82			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		NIXON - 15		NEVADA		WASHOE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3905.7						
1176	2308		30° 11'	+16.9°	5.2	88° 50'	+47.1	+41.9		39147.6		+1572	+1690	1890,618	297,731
1177	2636		29° 12' 54"	--	9.6	88° 50'	+53.8	+44.2			TP	+1827	+1899	1,890,877	297,945
1177	2636				9.1	271° 10'	+53.8	+44.7	+44.48	3950.1	TP	"	"	"	"
	2541		179° 31' 25"	--+	7.5	88° 30'	-66.6	-59.1	3890.8		BS	+2435	+722		
	2541			+	7.2	271° 30'	-66.6	-59.4	-59.38		BS	"	"		
1178	2227		177° 15'	+16.9°	8.2	88° 20'	+64.9	+56.7		39147.5		-2159	-544	1891,157	298,128
1179	1900		176° 00'	--	5.5	88° 20'	+55.3	+49.8		39140.6		-1852	-424	1891,464	298,248
1180	1573		174° 48'	--	8.0	88° 20'	+45.8	+37.8		39128.6		-1540	-319	1891,776	298,353
1181	1243		"	--	7.8	88° 20'	+36.2	+28.4		39119.2		-1217	-252	1892,099	298,420
1182	913		174° 48'	--	11.0	88° 20'	+26.6	+15.6		39106.4		-894	-185	1892,422	298,487
1183	583		"	--	11.1	88° 20'	+17.0	+5.9		3896.7		-571	-118	1892,745	298,554
1184	253		"	--	8.8	88° 20'	+7.4	-1.4		3889.4		-248	-51	1893,068	298,621
X	0				5.1	-		-5.1		3885.7	X	0	0	1893,316	298,672
1185	81		20° 45'	+16.9°	6.0	-		-6.0		3884.8		+64	+49	1893,380	298,721
1186	408		26° 35'	--	7.2	-		-7.2		3883.6		+296	+281	1893,612	298,953
1187	736		27° 10'	--	6.3	-		-6.3		3884.5		+529	+512	1893,845	299,184
1188	1064		29° 15'	--	7.2	74	+53	-1.9		3888.9		+737	+767	1894,053	299,439
1189	1390		31° 35'	--	8.9	89° 30'	+12.2	+3.3		3894.1		+921	+1041	1894,237	299,713
1190	1718		31° 55'	--	12.1	89° 20'	+26.1	+8.0		3898.8		+1131	+1293	1894,447	299,965
1191	2044		33° 10'	--	6.7	89° 20'	+23.9	+17.2		3908.0		+1312	+1567	1894,628	300,239

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-1-84		B. Cotcamp		R. Trowbridge		6834		B.C.W.		8		83			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		NIXON-15'		NEV.		WASHOE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3890.8						
1192	2374		32° 48'	+16.9	10.0	89° 20'	+27.7	+17.7		3908.5		+1535	+1811	1894,851	300,483
Section	3635		352° 16' 52"	--	8.3	-	+0.3	-8.0		3882.8					
Corner	3635		359° 21' 16"		8.0	270 -						+3565	+709	1896,881	299,381
TP	2371		33° 25' 52"	+16.7	4.4	89° 20'	+27.7	+23.3		3914.1	TP	+1520	+1820	1894,840	300,497
TP	2371				4.3	270 40	+27.7	+23.4			TP	+4	+5		
	4256		225° 39' 09"	+16.7	9.0	92° 10'	+160.5	+169.5			BS	+1974	+3767		
	4256				8.9	267° 50'	+160.5	+169.4	4083.5		BS	+4	+5		
1193	3940		227° 14'	--	11.3	92° 14'	-153.2	-164.5		3919.0		-1731	-3539	1895,087	300,730
1194	3625		229° 20'	--	8.5	92° 20'	-147.3	-155.8		3927.7		-1472	-3312	1895,346	300,957
1195	3322		230° 13'	--	10.2	92° 30'	-144.7	-154.9		3928.6		-1302	-3056	1895,516	301,213
1196	2992		230° 43'	--	10.2	92° 30'	-130.3	-140.5		3943.0		-1149	-2763	1895,669	301,506
1197	2662		230° 28'	+16.7	10.0	92° 40'	-123.7	-133.7		3949.8		-1033	-2453	1895,785	301,816
1198	2346		228° 55'	--	9.7	92° 50'	-115.6	-125.3		3958.2		-966	-2131	1895,852	302,138
1199	2014		228° 20'	--	12.9	92° 42'	-94.8	-107.7		3975.8		-850	-1826	1895,968	302,443
1200	1684		229° 00'	--	7.3	92° 42'	-79.3	-86.6		3996.9		-693	-1535	1896,125	302,734
1201	1362		229° 30'	--	12.1	92° 30'	-59.4	-71.5		4012.0		-550	-1246	1896,268	303,023
1202	1035		231° 30'	--	12.2	92° 44'	-49.3	-61.5		4022.0		-384	-961	1896,411	303,308
1203	711		234° 20'	--	11.2	92° 50'	-35.1	-46.3		4037.2		-231	-672	1896,567	303,597
1204	382		235° 25'	--	7.9	92° 50'	-18.9	-26.8		4056.7		-117	-364	1896,701	303,905
1205	53		225° 20'	--	6.0	92° 50'	-2.6	-8.6		4074.9		-25	-47	1896,793	304,222

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-6-84		B. Cotcamp		R. Trowbr. Dge		6834		B.C.B.		8		84			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		NIXON-15'		NEVADA		WASHOE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP	0				5.1	-		-5.1	4083.5	4078.4	TP	0	0	1896,518	304,269
1206	278		49° 05'	+16.7	5.8	88° 50'	+57	-0.1		4083.4		+114	+254	1896,932	304,523
+	278		50° 25' 10"	--	5.0	88° 32'	+71	+2.1		4085.6		+108	+256	1896,926	304,525
1207	602		45° 15'	--	10.8	88° 40'	+140	+3.2		4086.7		+283	+531	1897,101	304,800
1208	896		33° 28'	--	8.7	90° 14'	-3.6	-12.3		4071.2		+574	+688	1897,352	304,957
1209	1200		28° 24'	+16.7	7.1	90° 14'	-4.9	-12.0		4071.5		+847	+850	1897,665	305,119
1210	1506		30° 30'	--	10.1	89° 40'	+88	-1.3		4082.2		+1023	+1105	1897,841	305,374
1211	1824		29° 13'	--	7.1	89° 30'	+160	+8.9		4092.4		+1269	+1310	1898,057	305,579
1212	2144		31° 15'	--	12.0	89° 10'	+131.3	+19.3		4102.8		+1436	+1592	1898,254	305,861
1213	2447		34° 23'	--	5.2	89° 10'	+35.7	+30.5		4114.0		+1537	+1904	1898,355	306,173
2+TP	2626		38° 23' 32"	--	4.6	88° 50'	+53.6	+49.0		4132.5	TP	+1502	+2153	1898,321	306,427
TP	2626				4.5	271° 10'	+53.6	+49.1			TP	+4	+5		
	1216		246° 03' 15"	+16.7	12.0	92° -	+42.4	+54.4	4186.8		BS	+153	+1206		
	1216			+11.8	268 -		+42.4	+54.2	4186.8		BS	+4	+5		
1214	1140		245° 40'	--	11.4	92° 30'	-49.7	-61.1		4125.7		-151	-1130	1898,330	306,508
1215	812		244° 50'	--	6.7	93° -	-42.5	-49.2		4137.6		-120	-803	1898,361	306,835
1216	492		239° 35'	--	10.7	93° -	-25.7	-36.4		4150.4		-117	-478	1898,364	307,160
1217	174		255° 00'	--	14.0	93° -	-9.1	-23.1		4163.7		+5	-174	1898,486	307,464
TP	0				5.2	-		-5.2		4181.6	TP	0	0	1898,481	307,638
1218	155		60° 55'	+16.7	6.4	91° -	-2.7	-9.1		4177.7		+33	+151	1898,514	307,789
1219	451		85° 50'	--	8.8	88° -	+15.7	+6.9		4193.7		-98	+440	1898,383	308,078

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-6-84		B. Cotcamp		R. Trowbridge		6834		B. Plw		8		85			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		NIXON - 15		NEV.		WASHOE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4186.8						
1220	780		82° 25'	+16.7°	6.8	88° -	+27.2	+20.4		4207.2		-124	+770	1898,357	308,408
1221	1108		80° 25'	--	5.0	88° -	+38.7	+33.7		4220.5		-137	+1099	1898,344	308,737
1222	1437		79° 38'	--	7.1	87° 50'	+54.4	+47.3		4234.1		-159	+1428	1898,322	309,066
1223	1760		81° 40'	--	10.1	87° 40'	+71.7	+61.6		4248.4		-256	+1741	1898,225	309,379
1224	2090		82° 10'	--	9.1	87° 40'	+85.2	+76.1		4262.9		-322	+2065	1898,159	309,703
1225	2410		81° 12'	--	10.8	87° 34'	+102.4	+91.6		4278.4		-331	+2387	1898,150	310,025
TP	2437		77° 52' 40"	--	7.3	87° 12'	+119.2	+111.9		4298.7	TP	-194	+2426	1898,394	310,069
TP	2437			--	8.6	272° 50'	+120.6	+112.0			TP	17	15		
	2656		234° 55' 04"	+16.7°	11.2	92° 20'	+108.0	+119.2	4417.7		BS	+837	+2518		
	2656			--	10.9	267° 40'	+108.0	+118.9	4190.8		BS	16	15		
1226	2412		231° 12'	--	7.6	92° 50'	-119.1	-126.7		4291.0		-907	-2235	1898,230	310,357
1227	2086		231° 35'	--	8.8	92° 50'	-103.0	-111.8		4305.9		-772	-1938	1898,365	310,654
A	2388		231° 12' 06"	--	7.7	92° 50'	-117.9	-125.6		4292.1		-898	-2213	1898,239	310,379
1228	1759		230° 45'	+16.7°	9.5	92° 50'	-86.9	-96.4		4321.3		-675	-1625	1898,462	310,967
1229	1434		228° 45'	--	11.0	92° 50'	-70.8	-81.8		4335.9		-596	-1304	1898,541	311,288
1230	1113		225° 20'	--	12.5	92° 50'	-55.0	-67.5		4350.2		-522	-983	1898,615	311,609
1231	796		219° 50'	--	12.0	92° 50'	-39.3	-51.3		4366.4		-439	-664	1898,698	311,928
1232	480		211° 10'	--	8.8	93° 10'	-26.5	-35.3		4382.4		-322	-356	1898,810	312,236
1233	160		193° 40'	--	10.1	93° 10'	-8.8	-18.9		4398.8		-138	-81	1898,999	312,511
A	0			--	5.0	-		-5.0		4412.7	A	0	0	1899,137	312,972

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-6-84		B. Cotcamp		R. Trowbridge		6834		R.T. K		8		86			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Fireball Ridge-15		NEV.		WASHOE								L.O.	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4417.7						
1234	209		66° 25'	+16.7	6.4	88° 40'	+49	-1.5		4416.2		+ 25	+207	1899,162	312,799
1235	534		58° 13'	--	6.2	87° 40'	+21.7	+15.5		4433.2		+ 139	+516	1899,276	313,108
1236	837		47° 25'	--	9.2	87° 20'	+39.0	+29.8		4447.5		+ 365	+753	1899,502	313,345
1237	1160		45° 30'	--	7.2	87° 20'	+54.0	+46.8		4464.5		+ 541	+1026	1899,678	313,618
1238	1481		48° 04'	+16.7	8.2	87° 20'	+68.9	+60.7		4478.4		+ 631	+1340	1899,768	313,932
1239	1786		51° 39'	--	10.8	87° 10'	+88.3	+77.5		4495.2		+ 659	+1660	1899,796	314,252
Y	1580		49° 44' 50"	--	7.3	87° 20'	+73.6	+66.3		4484.0		+ 631	+1448	1899,768	314,040
1240	2113		50° 40'	--	10.4	87° 10'	+104.5	+94.1		4511.8		+ 813	+1950	1899,950	314,542
TP	2437		49° 15' 57"	--	7.2	87° 10'	+120.6	+113.4		4531.1	TP	+991	+2223	1900,134	314,820
TP	2437			--	7.2	272° 50'	+120.6	+113.4			TP	+6	+5		
	2778		216° 43' 26"	+16.7	6.6	93° 20'	+161.4	+168.0			BS	+1653	+2227		
	2778			--	6.5	266° 40'	+161.4	+167.9	4699.0		BS	+6	+5		
1241	2781		217° 10'	--	10.1	93° 20'	-161.5	-171.6		4527.4		- 1640	-2246	1900,153	314,806
1242	2456		216° 25'	--	11.7	93° 20'	-142.7	-154.4		4544.6		- 1474	-1967	1900,319	315,088
1243	2130		215° 15'	--	8.3	93° 20'	-123.8	-132.1		4566.9		- 1313	-1677	1900,480	315,375
1244	1801		215° 40'	+16.7	9.6	93° 20'	-104.7	-114.3		4584.7		- 1100	-1426	1900,693	315,626
1245	1471		215° 50'	--	10.2	93° 20'	-85.5	-95.7		4603.3		- 895	-1168	1900,898	315,884
1246	1147		214° 10'	--	8.9	93° 20'	-66.7	-75.6		4623.4		- 724	-890	1901,069	316,162
1247	818		213° 30'	--	5.7	93° 20'	-47.5	-53.2		4645.8		- 524	-628	1901,269	316,424
1248	488		213° 05'	--	5.7	93° 20'	-28.4	-34.1		4664.9		- 315	-373	1901,478	316,679

SURVEY NOTES - HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	11.6.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	R. Trowbridge	LINE NO.	8	PAGE	87
AREA	NEVADA	TOPO MAP	FIREBALL Ridge-15	STATE	NEV.	COUNTY	WASHOE	TWP		RANGE		PPM	
												PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									4699.0					
1249	158		213° 05'	+16.7	6.0	93° 20'	-9.2	-15.2		4683.8		-102	-121	1901,691 316,931
π	0				5.1	-		-5.1		4693.9	π	0	0	1901,793 317,052
1250	172		56° 10'	--	5.4	86° 10'	+11.5	+6.1		4705.1		+51	+164	1901,844 317,216
1251	490		50° 40'	--	10.1	86° 10'	+32.8	+22.7		4721.7		+189	+452	1901,982 317,504
1252	766		33° 50'	--	7.3	87° 10'	+37.9	+30.6		4729.6		+487	+591	1902,280 317,643
1253	1072		28° 55'	+16.7	13.0	87° 10'	+53.0	+40.0		4739.0		+750	+766	1902,543 317,818
1254	1393		30° 20'	--	9.7	87° 10'	+68.9	+59.2		4758.2		+949	+1019	1902,742 318,071
1255	1715		28° 05'	--	7.1	87° 10'	+84.8	+77.7		4776.7		+1217	+1208	1903,010 318,260
1256	2044		27° 55'	--	10.1	87° -	+107.1	+97.0		4796.0		+1455	+1436	1903,248 318,488
1257	2355	2351.4	24° 56' 18"	+17.1	12.1	86° 50'	+130.2	+118.1		4817.1	TP	+1746	+1575	1903,545 318,627
1257	2355				12.0	273° 10'	+130.2	+118.2			TP			
	2557	2552.2	186° 04' 44"	--	+7.7	93° 30'	+156.0	+163.7	4980.8		BS	+2346	+1005	
	2557				+7.6	266° 30'	+156.0	+163.6			BS			
1258	2233		187° 30'	--	11.6	93° 30'	-136.2	-147.8		4833.0		-2030	-930	1903,868 318,702
1259	1906		188° 20'	--	12.0	93° 30'	-116.3	-128.3		4852.5		-1721	-819	1904,177 318,813
1260	1583		190° 10'	+17.1	13.0	93° 30'	-96.6	-109.6		4871.2		-1407	-725	1904,491 318,907
1261	1258		192° 10'	--	11.0	93° 40'	-80.4	-91.4		4889.4		-1097	-615	1904,801 319,017
1262	936		193° 35'	--	12.5	93° 50'	-62.6	-75.1		4905.7		-805	-478	1905,093 319,154
1263	632		189° 35'	--	9.1	94° 16'	-45.9	-55.0		4925.8		-565	-284	1905,333 319,318
1264	306		193° 20'	--	13.3	94° 10'	-22.2	-35.5		4945.3		-264	-155	1905,634 319,477

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-6-84		B. Cotcamp		R. Trowbridge		6834		R.T.W.		8		88			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Fireball Ridge-15'		NEV.		WASHOE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4980.8						
TP	0				5.2	-		-5.2		4975.6	TP	0	0	1905,898	319,632
1265	55		81° 25'	+17.1	11.1	94° 10'	-4.0	-15.1		4965.7		-8	+54	1905,890	319,684
1266	361		33° 25'	--	6.3	88° 10'	+11.5	+5.3		4986.1		+230	+279	1906,128	319,911
Bm	511	510.4	30° 33' 20"	--	3.0	87° 10'	+25.3	+22.3		5003.1	Bm	+344	+377	1906,250	320,010
1267	674		21° 25'	--	7.8	87° 10'	+33.3	+25.5		5006.3		+527	+420	1906,425	320,082
1268	999		19° 20'	+17.1	9.5	86° 40'	+58.1	+48.6		5029.4		+804	+593	1906,702	320,225
1269	1307		13° 22'	--	10.0	86° 20'	+83.6	+73.6		5054.4		+1127	+663	1907,025	320,295
1270	1619		16° 20'	--	8.0	86° 10'	+108.3	+100.3		5081.1		+1351	+892	1907,249	320,524
46+	1662	1598.3	18° 10' 08"	--	4.8	86° 07'	+108.5	+103.7		5084.5	+	+1305	+923	1907,263	320,555
1271	1945	1940.3	15° 01' 57"	--	9.2	86° -	+135.8	+126.6		5107.4	TP	+1643	+1032	1907,541	320,664
1271	1945			--	9.1	274 -	+135.8	+126.7			TP				
	1336	1331.9	179° 34' 04"	+17.1	7.0	94° 30'	+104.8	+111.8	5219.2		BS	+1276	+382		
	1336			--	6.9	265° 30'	+104.8	+111.7			BS				
1272	1059		172° 10'	--	8.5	94° -	-73.8	-82.3		5136.9		-1045	-171	1907,772	320,575
1273	760		178° 34'	--	12.2	94° 30'	-59.6	-71.8		5147.4		-732	-205	1908,085	320,841
1274	452		189° 10'	--	11.3	94° 30'	-35.5	-46.8		5172.4		-405	-200	1908,412	320,846
1275	124		196° 35'	--	12.0	95° 30'	-11.9	-23.9		5195.3		-103	-69	1908,714	320,977
TP	0				5.1	-		-5.1		5214.1	TP	0	0	1908,817	321,046
1276	211		355° 50'	+17.1	10.6	86° 30'	+12.9	+2.3		5221.5		+206	+47	1909,023	321,093
1277	540		358° 00'	--	6.1	86° 30'	+33.0	+26.9		5246.1		+521	+141	1909,338	321,187

9-1906,250 x-320,010
U.S.G.S. Bm EL. 5003.0
11JD 1956 HORIZ. +86,
CORR. X = +71

4-1907,190 x-320,600
+ section corner

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
11-16-84		B. Cotcamp		R. Trowbridge		6834		R.T.W.		8		89				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA		FIREBALL RIDGE-15		NEV.		WASHOE / PERSHING								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									5219.2							
1278	870	867.3	0° 15'	+17.1	11.6	85° 30'	+68.3	+56.7		5275.9		+ 828	+259	1,909,645	321,305	LAST STA. ON ROAD
1279	1162	1153.9	7° 43'	--	4.8	83° 13'	+137.3	+132.5		5351.7		+ 1047	+484	1,909,864	321,530	CROSS COUNTRY ↓
1280	1483	1466.8	9° 20'	--	4.8	81° 31'	+218.8	+214.0		5433.2		+ 1313	+653	1,910,130	321,699	
1281	1802	1784.0	6° 51'	--	4.8	81° 54'	+254.0	+249.2		5468.4		+ 1629	+727	1,910,446	321,773	
1282	2071	2067.5	3° 40'	--	9.8	81° 24'	+312.8	+303.0		5522.2		+1933	+733	1,910,750	321,779	FIRST FLAG BACK ON ROAD
1283	2348	2321.6	358° 25'	--	8.9	81° 24'	+351.2	+342.3		5561.5		+2237	+621	1,911,054	321,667	
TP	2449	2420.0	0° 36' 06"	--	9.0	81° 10'	+376.2	+367.2			TP	+2305	+736	1,911,122	321,782	
TP	2449				8.9	278° 50'	+376.2	+367.3		5586.5	TP					
	2813		195° 09' 47"	+16.7	+10.1	88° 50'	-57.4	-47.3			BS	+2389	+1485			
	2813			+10.0		271° 10'	-57.4	-47.4	5539.1		BS					
1284	2620		198° 10'	+16.7	7.3	88° 50'	+53.5	+46.2		5585.3		-2150	-1498	1,911,361	321,769	
1/4	2428		199° 38' 19"	--	10.2	88° 46'	+56.6	+46.4		5585.5		-1955	-1438	1,911,556	321,829	y-1,911,650 x-321,850 Intensect el. 5586
1285	2303		200° 16'	--	9.0	88° 40'	+53.7	+44.7		5583.8		-1840	-1385	1,911,671	321,882	FIREBALL RIDGE T WASHOE CO. PERSHING CO. SAGE HEN SPRING
1286	1975		201° 00'	--	8.2	88° 40'	+46.0	+37.8		5576.9		-1563	-1208	1,911,948	322,059	
1287	1647		201° 56'	+16.7	10.2	88° 36'	+40.3	+30.1		5569.2		-1287	-1028	1,912,224	322,239	
1288	1318		202° 05'	--	10.7	88° 30'	+34.5	+23.8		5562.9		-1027	-826	1,912,484	322,414	
+	1286		198° 40' 04"	--	4.7	89° -	+22.5	+17.8		5556.9	+	-1049	-744	1,912,462	322,523	y-1,912,500 x-322,420 U.S.G.L.O 1911 EL. 55570
1289	990		203° 05'	--	7.8	89° -	+17.3	+9.5		5548.6		-741	-633	1,912,750	322,634	-133
1290	660		--	--	5.2	-		-5.2		5533.9		-507	-422	1,913,004	322,845	
1291	330		--	--	5.8	BU	-1.7	-7.5		5531.6		-254	-211	1,913,257	323,056	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	11-6-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. Trowbridge	PARTY NUMBER	6894	NOTES CHECKED BY	R.T.W	LINE NO.	8	PAGE	90
AREA	NEVADA	TOPO MAP	SAGE Hen Springs-7 1/2	STATE	NEV.	COUNTY	WASHOE Pershing	TWP		RANGE	PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									5539.1					
1292	0				5.1	-		-5.1		5534.0	π	0	0	1913.511 323,267
1293	330		24° 45'	+16.7°	7.7	91° 30'	-8.6	-16.3		5522.8		+247	+218	1913,758 323,485
1294	660		22° 55'	-	4.6	92° 30'	-28.8	-33.4		5505.7		+568	+421	1914,019 323,688
1295	987		21° 00'	-	6.0	92° -	-34.4	-40.4		5498.7		+781	+604	1914,292 323,871
1296	1317		20° 55'	-	6.0	92° -	-45.9	-51.9		5487.2		+1043	+804	1914,544 324,071
1297	1641		19° 10'	+16.7°	7.8	92° -	-57.2	-65.0		5474.1		+1330	+961	1914,841 324,288
1298	1971		19° 00'	-	9.0	91° 50'	-63.0	-72.0		5467.1		+1601	+1150	1915,112 324,417
1299	2300		19° 05'	-	6.0	91° 40'	-66.8	-72.8		5466.3		+1866	+1345	1915,377 324,612
1300	2630		19° 15'	-	6.6	91° 40'	-76.4	-83.0		5456.1		+2129	+1544	1915,640 324,811
1301	2958	2957.6	19° 03' 32"	-	12.5	91° 30'	-77.3	-89.8		5449.3	TP	+2400	+1728	1915,911 324,995
1301	2958				12.4	268° 30'	-77.3	-89.7			TP			
	3141		270° 11' 59"	+16.7°	+8.7	86° 50'	-173.7	-165.0		5284.3	BS	-912	+3001	
	3141				+8.6	273° 10'	-173.7	-165.1			BS			
Bm	3046		273° 19' 01"	+17.1°	7.5	87° -	+159.6	+152.1		5436.4	Bm	+1041	-2858	1916,040 325,138 5-1916,090 X - 325,120 u.s.g.s. Bm EL. 5436.6 1030 1954
1302	2962		274° 05'	-	7.5	87° -	+155.2	+147.7		5432.0		+1070	-2762	1916,069 325,234
1303	2632		274° 10'	-	7.7	87° -	+137.9	+130.2		5414.5		+955	-2453	1915,754 325,543
1304	2299		274° 30'	-	9.7	87° -	+120.4	+110.7		5395.0		+846	-2138	1915,845 325,858
1305	1970		274° 50'	-	10.0	87° -	+103.2	+93.2		5377.5		+736	-1827	1915,735 326,169
1306	1641		275° 45'	-	10.3	87° -	+85.9	+75.6		5359.9		+637	-1512	1915,636 326,484
1307	1313		276° 50'	-	11.2	87° -	+68.8	+57.6		5341.9		+533	-1200	1915,532 326,796

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-6-84		B. Cotnam		R. Trowbridge		6834		R.T.W		8		91			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		SAGE HEN SPRING - 7 1/2		NEVADA		PERMING								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5284.3						
1308	985		278° 50'	+17.1	3.6	88° -	+34.4	+30.8		5315.1		+431	-886	1,915,430	327,110
1309	666		282° 00'	-	7.2	88° -	+23.0	+15.8		5300.1		+321	-577	1,915,320	327,419
1310	330		-	-	9.2	88° -	+11.5	+2.3		5286.6		+160	-288	1,915,159	327,706
1311	0				5.2	-		-5.2		5279.1	TP	0	0	1,914,999	327,996
1312	330		101° 55'	+17.1	5.1	92° -	-11.5	-16.6		5267.7		-160	+289	1,914,839	328,285
1313	660		-	-	6.6	92° -	-23.0	-29.6		5254.7		-320	+577	1,914,679	328,573
1314	990		-	-	8.8	92° -	-34.5	-43.3		5241.0		-480	+866	1,914,519	328,862
1315	1319		101° 30'	-	10.2	92° -	-46.0	-56.2		5228.1		-631	+1158	1,914,368	329,154
1316	1649		101° 15'	-	8.2	92° -	-57.5	-65.7		5218.6		-783	+1451	1,914,216	329,447
1317	1979		-	-	8.9	92° -	-69.0	-77.9		5206.4		-940	+1742	1,914,059	329,738
1318	2308	2306.6	100° 50' 29"	-	7.1	92° -	-80.4	-87.5		5196.8	TP	-1081	+2038	1,913,918	330,034
1318	2308				7.0	268°	-80.4	-87.4			TP				
	4888	4886.3	291° 24' 10"	+17.1	+11.3	88° 30'	-128.4	-117.1	5079.7		BS	-3042	+3824		
	4888				+11.2	271° 30'	-128.4	-117.2			BS				
1319	4568		292° 25'	-	10.1	88° 34'	+114.7	+104.6		5184.3		+2907	-3524	1,913,783	330,334
1320	4251		293° 33'	-	12.4	88° 34'	+106.7	+94.3		5174.0		+2769	-3225	1,913,645	330,633
1321	3941		295° 10'	-	8.3	88° 40'	+92.0	+83.7		5163.4		+2651	-2916	1,913,527	330,942
1322	3625		296° 28'	-	8.6	88° 41'	+83.6	+75.0		5154.7		+2498	-2627	1,913,374	331,231
1323	3906		295° 28' 11"	-	8.6	88° 40'	+91.2	+82.6		5162.3	11	+2642	-2876	1,913,518	330,962
1323	3296		297° 00'	-	12.0	88° 40'	+76.9	+64.9		5144.6		+2294	-2367	1,913,170	331,491

5-1913530 x -331,040
5 - intersect

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11.6.84		B. Cotcamp		R. Trowbridge		6834		R.T.W		8		92			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Sage Hen Spring		NEV.		Pershing / Churchill								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5079.7						
1324	2968		297° 34'	+17.1	13.3	88° 40'	+69.2	+55.9		5135.6		+2086	-2111	1,912,962	331,747
1325	2639		298° 07'	"	6.3	88° 50'	+53.9	+47.6		5127.3		+1873	-1859	1,912,749	331,999
1326	2310		298° 30'	"	7.1	88° 50'	+47.1	+40.0		5119.7		+1650	-1616	1,912,526	332,242
1327	1980		" "	"	6.7	88° 50'	+40.4	+33.7		5113.4		+1415	-1385	1,912,291	332,473
#	2087		298° 46' 25"	+17.1	9.8	88° 50'	+42.6	+32.8		5112.5	#	+1498	-1453	1,912,374	332,405
1328	1650		298° 30'	"	6.2	88° 50'	+33.7	+27.5		5107.2		+1179	-1154	1,912,055	332,701
1329	1320		" "	"	7.3	88° 50'	+26.9	+19.6		5099.3		+943	-924	1,911,819	332,931
1330	990		" "	"	10.8	88° 50'	+20.2	+9.4		5089.1		+707	-693	1,911,583	333,165
1331	660		" "	"	11.3	88° 50'	+13.4	+2.1		5081.8		+472	-462	1,911,348	333,396
1332	330		" "	"	6.7	88° 50'	+6.7	±0.0		5079.7		+236	-231	1,911,112	333,627
Bm	333		291° 12' 16"	"	5.7	88° 50'	+6.8	+1.1		5080.8	Bm	+206	-261	1,911,082	333,597
1333	0				5.2	-		-5.2		5074.5	T	0	0	1,910,876	333,858
1334	330		117° 59'	+17.1	7.8	90° 40'	-3.8	-11.6		5068.1		-234	+233	1,910,642	334,091
1335	660		" "	"	12.8	90° 40'	-7.7	-20.5		5059.2		-467	+466	1,910,409	334,324
1336	990		" "	"	10.8	90° 40'	-11.5	-22.3		5057.4		-701	+699	1,910,175	334,557
#	1238		120° 58' 02"	"	11.3	90° 40'	-14.4	-25.7		5054.0	#	-921	+827	1,909,955	334,685
1337	1312		122° 00'	"	11.6	90° 40'	-15.2	-26.8		5052.9		-992	+859	1,909,884	334,717
1338	1633		124° 50'	"	9.2	90° 50'	-23.7	-32.9		5046.8		-1286	+1007	1,909,590	334,865
1339	1962		125° 34'	"	11.2	90° 50'	-28.5	-39.7		5040.0		-1560	+1190	1,909,316	335,048

y=1,912,415 x=332,395
creek crossing

Pershing Co.
Sage Hen Spring-7 1/2'
Fireball Ridge-15'
Churchill Co.

y=1,911,000 x=333,610
U.S.G.S. Co. EL. 5081.0
370

y=1,910
- intersect

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-7-84		B. Cotcamp		R. Trowbridge		6834		R. I. W.		8		93			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		FIREBALL Ridge-15		NEV.		CHURCHILL								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5079.7						
1340	2292		125° 40'	+17.1	12.1	90° 50'	-33.2	-45.3		5034.4		-1825	+1387	1,909,051	335,245
1341	2623		125° 25'	--	7.2	91° -	-45.6	-52.8		5026.9		-2081	+1596	1,908,795	335,454
1342	2941		123° 47'	--	7.9	91° -	-51.1	-59.0		5020.7		-2282	+1855	1,908,594	335,713
1343	3264		122° 20'	--	6.0	91° -	-56.7	-62.7		5017.0		-2480	+2123	1,908,396	335,781
1344	3585		121° 05'	--	5.1	91° -	-62.3	-67.4		5012.3		-2672	+2390	1,908,204	336,248
1345	3906		120° 10'	--	9.7	90° 54'	-61.0	-70.7		5009.0		-2869	+2651	1,908,007	336,509
1346	4234		119° 21' 44"	+17.4	11.7	90° 50'	-61.2	-72.9			TP	-3084	+2900	1,907,792	336,758
1346	4234				11.9	269° 10'	-61.2	-73.1	-73.03	5006.7	TP				
	3788		292° 34' 19"	--	+8.4	89° 20'	-44.4	-36.0	4970.7		BS	-2433	+2903		
	3788				+8.3	270° 40'	-44.4	-36.1			BS				
1347	3460		293° 10'	+17.4	13.0	89° 20'	+40.5	+27.5		4998.2		+2250	-2628	1,907,609	337,033
1348	3132		293° 43'	--	12.2	89° 20'	+36.6	+24.4		4995.1		+2060	-2360	1,907,419	337,301
1349	2805		294° 24'	--	13.1	89° 20'	+32.8	+19.7		4990.4		+1870	-2091	1,907,229	337,570
1350	2488		296° 25'	--	6.4	89° 30'	+21.8	+15.4		4986.1		+1723	-1795	1,907,082	337,866
#	2458		296° 42' 18"	--	6.9	89° 30'	+21.6	+14.7		4985.4	#	+1711	-1765	1,907,070	337,896
1351	2159		296° 50'	--	10.3	89° 20'	+25.2	+14.9		4985.6		+1506	-1547	1,906,885	338,114
1352	1800 1829		- -	--	9.8	89° 20'	+21.3	+11.5		4982.2		+1276	-1310	1,906,635	338,351
1353	1500		297° 52'	--	9.3	89° 20'	+17.5	+8.2		4978.9		+1066	-1056	1,906,425	338,605
1354	1170		- -	--	8.6	89° 20'	+13.6	+5.0		4975.7		+831	-823	1,906,190	338,838
1355	840		- -	--	8.3	89° 20'	+9.8	+1.5		4972.2		+597	-591	1,905,956	339,070

3-1,907,000 x 337,950
CRACK CROSSING

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
11-7-84		B. Cotcamp		R. Trowbridge		6834		R.T.W.		8		94				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA		FIREBAW Ridge - 15'		NEV.		WASHOE		CHURCHILL						L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									4970.7							
11.	618		298° 44' 21"	+17.4°	7.0	89° 20'	+7.2	+0.2		4970.9	11.	+446	-428	1,905.805	339,233	y=1,905,720 x=339,210 11. y-Trail
1356	509		298° 10'	--	7.7	89° 20'	+5.9	-1.8		4968.9		+363	-356	1,905.722	339,305	
1357	179		296° 40'	--	8.4	89° 20'	+2.1	-6.3		4964.4		+124	-129	1,905.483	339,532	
π	0				5.2	-		-5.2		4965.5	π	0	0	1,905.359	339,661	
1358	153		99° 35'	--	5.6	90° 10'	-0.4	-6.0		4964.7		-69	+136	1,905.290	339,999	
1359	483		94° 55'	--	12.2	90° 10'	-1.4	-13.6		4957.1		-183	+447	1,905.176	340,108	
1360	811		94° 15'	+17.4	4.0	91° 10'	-16.5	-20.5		4956.2		-299	+754	1,905.060	340,415	
1361	1136		90° 40'	--	9.8	90° 10'	-3.3	-13.1		4957.6		-352	+1080	1,905.007	340,741	
1362	1460		88° 05'	--	11.4	90° 10'	-4.2	-15.6		4955.1		-390	+1407	1,904.969	341,068	
Bm	1626		88° 24' 09"	--	5.4	90° 20'	-9.4	-14.8		4955.9	Bm	-443	+1565	1,904.916	341,226	y=1,904,820 x=341,210 U.S.G.S. Bm 61 4956.0 830
1363	1786		86° 35' 05"	+17.0	12.9	90° 20'	-10.3	-23.2		4947.5	TP	-419	+1736	1,904.940	341,397	
1363	1786				12.9	269° 40'	-10.3	-23.2			TP					
	3264		271° 33' 53"	--	+7.4	89° 10'	-47.7	-40.3	4907.2		BS	-1039	+3094			
	3264				+7.3	270° 50'	-47.7	-40.4			BS					
1364	2944		272° 48'	+17.0	13.0	89° 14'	+39.6	+26.6		4933.8		+997	-2770	1,904.898	341,721	
1365	2619		274° 10'	--	11.1	89° 18'	+32.1	+21.0		4928.2		+946	-2442	1,904.847	342,049	
1366	2301		276° 15'	--	12.2	89° 18'	+28.2	+16.0		4923.2		+908	-2114	1,904.809	342,377	
1367	1973		277° 10'	--	10.8	89° 20'	+23.0	+12.2		4919.4		+808	-1800	1,904.709	342,691	
1368	1645		278° 20'	--	10.3	89° 20'	+19.2	+8.9		4916.1		+704	-1487	1,904.605	343,004	
1369	1318		279° 55'	--	10.2	89° 20'	+15.4	+5.2		4912.4		+597	-1175	1,904.498	343,316	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11.7.84		B. Cotcamp		R. Trowbridge		6834		R.T. W		8		95			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		FIREBALL Ridge -15		NEV.		WASHOE COUNCIL								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4907.2						
1370	989		278° 55'	+17.0	9.8	89° 20'	+11.5	+1.7		4908.9		+432	-890	1,904,333	343,601
1371	660		277° 35'	--	6.7	89° 20'	+7.7	+1.0		4908.2		+275	-606	1,904,176	343,891
1372	330		- -	--	8.6	89° 20'	+3.8	-4.8		4902.4		+137	-300	1,904,038	344,191
1373	0				5.2	-		-5.2		4902.0	X	0	0	1,903,901	344,491
1374	330		97° 08'	+17.0	5.7	90° 10'	-1.0	-6.7		4900.5		-135	+301	1,903,766	344,792
1375	660		- -	--	6.8	90° 10'	-1.9	-8.7		4898.5		-270	+602	1,903,631	345,093
1376	990		- -	--	6.6	90° 10'	-2.9	-9.5		4897.7		-405	+903	1,903,496	345,394
#	1172		97° 01' 44"	--	11.0	90° 10'	-3.4	-14.4		4892.8	#	-477	+1070	1,903,424	345,561
1377	1320		97° 17'	--	10.4	90° 10'	-3.8	-14.2		4893.0		-543	+1203	1,903,358	345,694
1378	1650		- -	+17.0	9.3	90° 20'	-9.5	-18.8		4888.4		-679	+1504	1,903,222	345,995
1379	1978		97° 52'	--	10.8	90° 20'	-11.4	-22.2		4885.0		-832	+1795	1,903,069	346,286
1380	2300		99° 48'	--	10.0	90° 20'	-13.3	-23.3		4883.9		-1037	+2053	1,902,864	346,544
1381	2629		99° 55'	--	12.1	90° 20'	-15.2	-27.3		4879.9		-1190	+2344	1,902,711	346,835
1382	2958		99° 44'	--	12.9	90° 20'	-17.0	-29.9		4877.3		-1331	+2642	1,902,570	347,133
1383	3288		99° 23'	--	11.1	90° 20'	-18.9	-30.0		4877.2		-1461	+2946	1,902,440	347,437
1384	3615		99° 56' 14"	--	12.3	90° 20'	-20.8	-33.1		4874.1	TP	-1638	+3223	1,902,263	347,714
1384	3615				12.2	269° 40'	-20.8	-33.0			TP				

1,903,290 x - 345,480
creek crossing

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-9-84		B. Cotcamp		R. TROWBRIDGE		68341		R.T.W.		8		96			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		FIRE BALL		NEVADA		CHURCHILL								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										4874.1					
	1842		273° 34' 38"	+17.0°	3.3	-		+3.3	4877.3		BS	-647	+1724		
	1842				3.0	270°		+3.0	4877.3		BS				
1385	1517		271° 30'	--	8.8	-		-8.8		4868.5		+481	-1439	1,902,097	347,999
1386	1207		273° 14'	--	8.0	84°	-6.0	-14.0		4863.3	#	+417	-1133	1,902,033	348,305
1387	922		282° 15'	--	7.3	-		-7.3		4870.0		+451	-804	1,902,067	348,634
1388	593		280° 20'	--	11.3	-		-11.3		4866.0		+272	-527	1,901,888	348,911
1389	284		265° 10'	--	9.2	92°	-9.9	-19.1		4858.2		+66	-278	1,901,676	349,160
K	0				5.2	-		-5.2		4872.1	K	0	0	1,901,616	349,438
1390	195		180° 10'	+17.0°	11.8	93°	-10.2	-22.0		4855.3		-186	-58	1,901,430	349,380
1391	457		140° 15'	--	12.0	92°	-15.9	-27.9		4849.4		-421	+177	1,901,195	349,615
1392	765		129° 05'	--	8.3	91° 30'	-20.0	-28.3		4849.0		-635	+427	1,900,981	349,865
1393	1087		125° 18'	--	6.9	91° 20'	-25.3	-32.2		4845.1		-860	+665	1,900,756	350,103
1394	1416		123° 30'	--	9.2	91°	-24.7	-33.9		4843.4		-1093	+901	1,900,523	350,339
1395	1744		123° 00'	--	8.9	91°	-30.4	-39.3		4838.0		-1336	+1121	1,900,280	350,559
1396	2071		123° 55'	+17.0°	8.8	91°	-36.1	-44.9		4832.4		-1608	+1306	1,900,008	350,744
K	2210		124° 48' 40"	--	8.7	90° 50'	-32.0	-40.7		4836.6	K	-1737	+1366	1,899,879	350,804
1397	2383		126° 39' 32"	--	9.2	90° 50'	-34.5	-43.7		4833.6	TP	-1919	+1412	1,899,697	350,850
1397	2383			--	9.1	269° 10'	-34.5	-43.6			TP				
	981		326° 36' 20"	-- +	10.5	89°	-17.1	-6.6	4827.0		BS	-941	+277		
	981			+ +	10.4	271°	-17.1	-6.7			BS				

1,901,850 x - 348,300
creek

OFF LINE

1,899,875 x - 350,780
y - intersect

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-9-84		B. Cotcamp		R. Trowbridge		6834		R.T.W.		8		97			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		FIREBALL Ridge - 15'		NEV.		Churchill								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4827.0						
1398	658		321° 55'	+17.0	8.3	89°	+11.5	+3.2		4830.2		+614	-237	1,899,370	350,890
1399	329		317° 00'	-	5.7	89°	+5.7	±0.0		4827.0		+296	-141	1,899,052	350,983
#	220		319° 20' 36"	-	7.8	89°	+3.8	-4.0		4823.0	#	+201	-88	1,898,957	351,039
X	0				5.2	-		-5.2		4821.8	X	0	0	1,898,756	351,127
1400	55		41° 15'	+17.0	6.3	89°	+1.0	-5.3		4821.7		+29	+47	1,898,785	351,174
1401	367		76° 25'	-	7.7	-		-7.7		4819.3		-22	+366	1,898,734	351,493
1402	697		74° 10'	-	11.2	-		-11.2		4815.8		-14	+697	1,898,742	351,824
1403	1626		74° 55'	-	8.8	90° 20'	-6.0	-14.8		4812.2		-34	+1025	1,898,722	352,152
1404	1331		80° 00'	-	10.9	90° 20'	-7.7	-18.6		4808.4		-162	+1321	1,898,594	352,448
TP	1493		87° 05' 47"	-	10.5	90° 20'	-8.6	-19.1		4807.9	TP	-364	+1448	1,898,392	352,575
TP	1493				10.4	269° 40'	-8.6	-19.0			TP				
	1715		318° 56' 00"	+17.0	3.7	89° 30'	-15.0	-11.3		4796.6	BS	-1566	+699		
	1715				3.6	270° 30'	-15.0	-11.4			BS				
1405	1632		319° 02' 59"	-	9.7	89° 30'	+14.3	+4.6		4801.2	#	+1491	-663	1,898,317	352,611 #
1406	1303		317° 45'	-	5.9	89° 30'	+11.4	+5.5		4802.1		+1179	-556	1,898,085	352,718
1407	976		316° 08'	-	6.6	89° 30'	+8.5	+1.9		4798.5		+871	-441	1,897,697	352,833
1408	650		312° 40'	-	6.9	89° 30'	+5.7	-1.2		4795.4		+561	-328	1,897,387	352,946
1409	323		306° 55'	-	7.2	89° 30'	+2.8	-4.4		4792.2		+261	-190	1,897,087	353,084
1410	0				5.1	-		-5.1		4791.5	X	0	0	1,896,826	353,274

4-1,898,200 X-352,600
Creek crossing

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-9-84		B. Cotcamp		R. TROWBRIDGE		6834		R.T. W		8		98			
AREA		TOPO. MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		FIREBALL		NEVADA		CHURCHILL								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4796.6						
1411	330		103° 40'	+17.0	11.3	89° 30'	+2.9	-8.4		4788.2		-168	+284	1,896,658	353,558
1412	656		101° 00'	-	9.7	-		-9.7		4786.9		-308	+579	1,896,518	353,853
1413	961		92° 18' 10"	-	3.1	-		-3.1		4793.5	TP	-318	+907	1,896,508	354,181
1413	961				3.0	270° -		-3.0			TP				
	3837		276° 05' 49"	-	+10.2	89° 14'	-51.6	-41.4	4751.9		BS	-1505	+3529		
	3837				+9.7	270° 46'	-51.6	-41.9	-41.6		BS				
1414	3516		277° 05'	+17.0	9.1	89° 28'	+33.0	+23.9		4775.8		+1435	-3210	1,896,438	354,500
1415	3189		277° 43'	-	6.8	89° 28'	+29.9	+23.1		4775.0		+1333	-2897	1,896,336	354,813
1416	2859		277° 58'	-	9.3	89° 26'	+28.4	+19.1		4771.0		+1207	-2592	1,896,210	355,118
1417	2529		278° 02'	-	12.1	89° 26'	+25.1	+13.0		4764.9		+1070	-2291	1,896,073	355,419
1418	2208		279° 50'	-	12.8	89° 26'	+21.9	+9.1		4761.0		+997	-1970	1,896,000	355,740
1419	1879		279° 10'	+17.0	11.8	89° 26'	+18.7	+6.9		4758.8		+829	-1686	1,895,832	356,024
1420	1553		277° 35'	-	12.2	89° 26'	+15.4	+3.2		4755.1		+646	-1412	1,895,649	356,298
1421	1225		276° 10'	-	10.1	89° 26'	+12.1	+2.0		4753.9		+482	-1126	1,895,485	356,584
1422	898		273° 45'	-	13.3	89° 26'	+8.9	-4.4		4747.5		+318	-840	1,895,321	356,870
1423	572		269° 26'	-	6.0	89° 26'	+5.7	-0.3		4751.6		+162	-549	1,895,165	357,161
1424	343		265° 30'	-	8.0	89° 26'	+3.4	-4.6		4747.3		+74	-335	1,895,077	357,375
T	0				5.2	-		-5.2		4746.7	T	0	0	1,895,003	357,710
1425	87		83° 30'	+17.0	7.3	91° 10'	-1.8	-9.1		4742.8		-16	+86	1,894,887	357,996
1426	417		-	-	5.7	91° 10'	-8.5	-14.2		4737.7		-76	+410	1,894,927	358,120

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	11.9.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	R.T.W	LINE NO.	8	PAGE	99
AREA	NEVADA	TOPO MAP	FIREBALL ridge - 15	STATE	NEV.	COUNTY	CHURCHILL	TWP		RANGE	PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4751.9						
1427	747		83° 30'	+17.0	7.6	91° 10'	-15.2	-22.8		4729.1		-136	+734	1,894,867	358,444
1428	1077		" "	" "	4.6	91° 10'	-21.9	-26.5		4725.4		-196	+1059	1,894,807	358,769
1429	1406		83° 08'	" "	8.1	90° 50'	-20.4	-28.5		4723.4		-247	+1384	1,894,756	359,094
1430	1736		" "	" "	6.8	90° 50'	-25.2	-32.0		4719.9		-305	+1709	1,894,698	359,419
1431	2065		81° 55'	" "	5.1	90° 50'	-29.9	-35.0		4716.9		-320	+2040	1,894,683	359,750
1432	2391		80° 40'	+17.0	9.2	90° 42'	-29.1	-38.3		4713.6		-319	+2370	1,894,684	360,080
Bm	2483		78° 34' 01"	" "	8.4	90° 42'	-30.2	-38.6	4713.0	4713.3	Bm	-241	+2471	1,894,762	360,181
1433	2703		78° 25'	" "	8.8	90° 42'	-32.9	-41.7		4710.2		-255	+2691	1,894,748	360,401
1434	2970		74° 40' 52"	" "	12.7	90° 40'	-34.4	-47.1		4704.8	#	-87	+2969	1,894,916	360,679
TP	3027		74° 16' 10"	" "	15.0	90° 34' 20"	-30.0	-45.0			TP	-67	+3026	1,894,936	360,733
TP	3027			" "	13.7	269° 24'	-31.5	-45.2	-45.13	4706.8	TP		-3		
	2846		249° 35' 39"	+17.2	5.1	89° 40'	-16.7	-11.6			BS	+159	+2842		
	2846			" "	5.0	270° 20'	-16.7	-11.7	4695.1		BS		-3		
1435	2624		252° 50'	" "	6.2	89° 40'	+15.4	+9.2		4704.3		+2	-2624	1,895,097	360,948
If	2829		250° 41' 55"	" "	4.8	89° 40'	+16.6	+11.8		4706.9	If	-104	-2827	1,894,991	360,945
1436	2362		254° 15'	" "	8.5	89° 40'	+13.5	+5.0		4700.1		+58	-2301	1,895,153	361,271
1437	1975		254° 45'	" "	8.4	89° 40'	+11.6	+3.2		4698.3		+67	-1974	1,895,162	361,598
1438	1647		253° 45'	" "	6.4	89° 40'	+9.6	+3.2		4698.3		+27	-1647	1,895,122	361,925
1439	1318		253° 05'	" "	10.8	89° 40'	+7.7	-3.1		4692.0		+7	-1318	1,895,102	362,254
+	1651		267° 15' 18"	" "	4.7	89° 10'	+24.1	+19.4	4714.5	4714.5	+	+412	-1599	1,895,507	361,973

9-1,894,760x-360,200
 U.S.G.S. Bm EL. 4713
 670
 9-1,894,865x-360,650
 # creek crossing
 9-1,894,975x-360,790
 If T - intersect
 4-1,895,400x-361,990
 section corner 12L4713

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-9-84		B. Cotcamp		R. Trowbridge		6834		R.T. W		8		100			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		FIREBALL Ridge - 15'		NEV.		CHURCHILL								L. O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4695.1						
1440	990		253° 05'	+17.2	12.1	89° 40'	+5.8	-6.3		4688.8		+5	-990	1,895,100	362,582
1441	660		253° 40'	--	11.7	89° 40'	+3.8	-7.9		4687.2		+10	-660	1,895,105	362,912
1442	330		-	--	8.6	89° 40'	+1.9	-6.7		4688.4		+5	-330	1,895,100	363,242
1443	0				5.1	-		-5.1		4690.0	TP	0	0	1,895,095	363,512
1444	330		67° 45'	+17.2	5.9	90° 40'	-3.8	-9.7		4685.4		+29	+329	1,895,124	363,901
1445	659		69° 00'	--	9.8	90° 40'	-7.7	-17.5		4677.6		+44	+658	1,895,139	364,230
1446	988		70° 08'	--	10.6	90° 40'	-11.5	-22.1		4673.0		+46	+987	1,895,141	364,559
1447	1318		69° 05'	--	7.7	91° -	-23.0	-30.7		4664.4		+85	+1315	1,895,180	364,887
1448	1638		66° 16' 30"	--	7.9	90° 50'	-23.8	-31.7		4663.4	TP	+186	+1627	1,895,281	365,196
1448	1638				7.8	269° 10'	-23.8	-31.6			TP		-3		
	988		231° 01' 10"	+17.2	3.9	-		+3.9	4667.3		BS	+367	+917		
	988				8.8	TH	-4.9	+3.9			BS		-3		
1449	660		232° 30'	--	9.1	-		-9.1		4658.2		-229	-619	1,895,419	365,491
1450	330		-	--	10.8	-		-10.8		4656.5		-114	-310	1,895,534	365,800
1451	0				5.1	-		-5.1		4662.2	TP	0	0	1,895,648	366,110
1452	330		51° 05'	--	10.8	91° -	-5.8	-16.6		4650.7		+122	+307	1,895,770	366,417
1453	660		-	--	10.1	91° -	-11.5	-21.6		4645.7		+244	+613	1,895,892	366,723
1454	990		50° 22' 19"	--	4.5	91° -	-17.3	-21.8		4645.5	TP	+378	+915	1,896,026	367,022
1454	990				4.4	269° -	-17.3	-21.7			TP		-3		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11.9.84		B. Cotcamp		R. Trowbridge		6834		R.T.K		8		101			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		FIREBALL Ridge - 15		NEV.		CHURCHILL								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										4645.5					
	3613		226° 31' 54"	+17.2°	4.2	89° 30'	-31.8	-27.6	4617.7		BS	+1599	+3240		
	3613				3.9	270° 30'	-31.8	-27.9	4617.7		BS				
1455	3284		226° 40'	-	8.0	89° 30'	+28.9	+20.9		4638.6		-1446	-2948	1,896,179	367,311
1456	2954		" "	-	9.6	89° 30'	+26.0	+16.4		4634.1		-1301	-2652	1,896,324	367,607
1457	2625		226° 32'	-	8.0	89° 30'	+23.0	+15.0		4632.7		-1161	-2354	1,896,464	367,905
1458	2295		" "	-	7.5	89° 30'	+20.1	+12.6		4630.3		-1016	-2058	1,896,609	368,201
1459	1967		227° 20'	+17.2°	9.9	89° 20'	+23.0	+13.1		4630.8		-846	-1776	1,896,779	368,483
1460	1643		227° 55' 10"	-	8.2	89° 20'	+22.3	+14.1		4631.8	14	-803	-1732	1,896,822	368,527
															5-1,896,800 x - 368,600 T-Intersect
1461	1315		229° 20'	-	11.6	89° 20'	+19.2	+7.6		4625.3		-654	-1507	1,896,971	368,752
1462	986		230° 35'	-	10.2	89° 30'	+11.5	+1.3		4619.0		-497	-1217	1,897,128	369,042
1463	657		231° 50'	-	10.5	89° 30'	+8.6	-1.9		4615.8		-353	-921	1,897,272	369,338
1464	329		234° 15'	+17.2°	10.0	89° 30'	+5.7	-4.3		4613.4		-209	-623	1,897,416	369,636
1465	0		238° 10'	-	6.2	89° 30'	+2.9	-3.3		4614.4		-83	-318	1,897,542	369,941
1466	330				5.1	-		-5.1		4612.6	14	0	0	1,897,625	370,259
1467	660		61° 05'	-	7.3	90° 30'	-2.9	-10.2		4607.5		+67	+323	1,897,692	370,582
1468	990		" "	-	10.8	90° 30'	-5.8	-16.6		4601.1		+134	+646	1,897,759	370,905
1469	1320		" "	-	11.4	90° 30'	-8.6	-20.0		4597.7		+201	+969	1,897,826	371,228
1470	1650		61° 10'	+17.2°	12.0	90° 30'	-11.5	-23.5		4594.2		+266	+1293	1,897,891	371,552
1471	1980		" "	-	12.0	90° 30'	-14.3	-26.3		4591.4		+333	+1616	1,897,958	371,875
			" "	-	12.1	90° 30'	-17.2	-29.3		4588.4		+399	+1939	1,898,024	372,198

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-9-84		B. Cotcamp		R. Trowbridge		6834		R.T.		8		102			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		FIREBALL Ridge-15		NEV.		CHURCHILL								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4617.7						
1472	2310		61° 17'	+17.2	12.7	90° 30'	-20.0	-32.7		4585.0		+461	+2263	1,898,086	372,522
1473	2638		61° 41'	--	13.4	90° 30'	-22.9	-36.3		4581.4		+509	+2589	1,898,134	372,848
1474	2967		61° 54'	--	6.1	90° 30'	-25.7	-31.8		4585.9		+561	+2913	1,898,186	373,172
1475	3289		60° 40' 28"	--	8.9	90° 26'	-18.9	-27.8		4589.9	TP	+691	+3216	1,898,316	373,472
1475	3289				8.8	269° 40'	-18.9	-27.7			TP		-3		
	2965		230° 33' 11"	+17.2	9.5	89° 30'	-26.1	-16.6			BS	+1123	+2744		
	2965				9.4	270° 30'	-26.1	-16.7	4573.2		BS		-3		
1476	2637		230° 40'	--	9.0	89° 30'	+23.2	+14.2		4587.4		-994	-2443	1,898,445	373,770
1477	2368		230° 32'	--	7.9	89° 30'	+20.3	+12.4		4585.6		-875	-2136	1,898,564	374,077
1478	1978		230° 10'	--	9.8	89° 40'	+11.6	+1.8		4575.0		-761	-1826	1,898,678	374,387
1479	1650		" "	--	6.0	89° 40'	+9.7	+3.7		4576.9		-635	-1523	1,898,804	374,690
1480	1320		" "	+17.2	10.7	89° 50'	+3.9	-6.8		4566.4		-508	-1218	1,898,931	374,995
1481	990		" "	--	11.1	89° 50'	+2.9	-8.2		4565.0		-381	-914	1,899,058	375,299
1482	660		229° 50'	--	6.1	89° 50'	+1.9	-4.2		4569.0		-258	-608	1,899,181	375,605
1483	330		229° 20'	--	4.7	89° 50'	+1.0	-3.7		4569.5		-131	-303	1,899,308	375,910
1484	0		" "		5.1	-		-5.1		4568.1	TP	0	0	1,899,439	376,213
1485	330		46° 15'	--	6.9	90° 30'	-2.9	-9.8		4563.4		+148	+295	1,899,587	376,508
1486	660		44° 15'	--	11.1	90° 30'	-5.8	-16.9		4556.3		+315	+580	1,899,754	376,793
1487	988		42° 15'	--	12.0	90° 40'	-11.5	-23.5		4549.7		+502	+851	1,899,941	377,064
1488	1018		41° 45'	--	6.8	90° 40'	-15.3	-22.1		4551.1		+680	+1129	1,900,119	377,342

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11.9.84		B. Cotcamp		R. Trowbridge		6834		R.T.W.		8		103			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		FIREBALL Ridge-15		NEV.		CHURCHILL								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4573.2						
1489	1646		40° 35'	+17.2	7.6	90° 40'	-19.1	-26.7		4546.5		+878	+1393	1,900,317	377,606
1490	1969		38° 15'	--	4.1	90° 40'	-22.8	-26.9		4546.3		+1117	+1622	1,900,556	377,835
+	2049		36° 10' 11"	--	8.3	90° 20'	-11.8	-20.1		4553.1	+	+1223	+1644	1,900,662	377,857
1491	2282		35° 30'	--	8.9	90° 10'	-6.5	-15.4		4557.8		+1383	+1815	1,900,822	378,028
1492	2598		33° 30'	--	12.2	90° ± 0.1		-12.1		4561.1		+1646	+2010	1,901,085	378,223
1493	2926		33° 39' 51"	--	6.2	89° 50'	+8.7	+2.5			TP	+1847	+2270	1,901,284	378,480
1493	2926			--	6.3	270° 10'	+8.7	+2.4		4575.6	TP	-2	-3		
	2633		218° 41' 33"	+17.2	9.4	89° 40'	-15.5	-6.1		4569.5	BS	+1476	+2180		
	2633			+	9.5	270° 20'	-15.0	-6.0			BS	-2	-3		
1494	2303		218° 50'	--	4.0	89° 50'	+6.8	+2.8		4572.3		-1287	-1910	1,901,471	378,747
1495	1973		218° 55'	--	5.3	89° 50'	+5.8	+0.5		4570.0		-1100	-1638	1,901,658	379,019
1496	1643		219° 07'	--	9.4	89° 50'	+4.8	-4.6		4564.9		-911	-1367	1,901,847	379,290
1497	1314		219° 15'	--	10.8	89° 50'	+3.9	-6.9		4562.6		-726	-1095	1,902,032	379,562
1498	984		220° 05'	--	9.6	90° 30'	-8.6	-18.2		4551.3		-531	-828	1,902,227	379,829
1499	656		221° 45'	--	14.1	90° 50'	-9.5	-23.6		4545.9		-338	-562	1,902,420	380,055
1500	329		226° 10'	--	5.2	90° 30'	-2.9	-8.1		4561.4		-147	-294	1,902,611	380,363
1501	0			--	5.1	-		-5.1		4564.4	X	0	0	1,902,758	380,657
1502	330		52° 20'	+17.2	4.8	90° 30'	-2.9	-7.7		4561.8		+115	+309	1,902,873	380,966
1503	660		" "	--	8.6	90° 30'	-5.8	-14.4		4555.1		+231	+618	1,902,989	381,275
±	942		49° 05' 30"	--	12.8	90° 30'	-8.2	-21.0		4548.5	±	+379	+862	1,903,137	381,519

± 1,900,570 x - 377,870
Section corner EL 4562

± 1,903,100 x - 381,575
T-Intersect EL 4548.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-12-84		B. Cotcamp		R. Trowbridge		6834		R.T. W		8		104			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		FIREBALL Ridge - 15'		NEV.		CHURCHILL								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4569.5						
1504	982		49° 50'	+17.2°	11.0	90° 30'	-8.5	-19.5		4550.0		+383	+904	1,903,141	381,561
1505	1309		47° 35'	-	9.9	90° 30'	-11.4	-21.3		4548.2		+558	+1184	1,903,316	381,841
1506	1636		46° 01' 27"	-	6.0	90° 30'	-14.2	-20.2		4549.3	TP	+737	+1461	1,903,493	382,115
1506	1636				5.9	269° 30'	-14.2	-20.1			TP	-2	-3		
	4575		239° 07' 05"	+17.2°	13.9	89° 30'	-53.7	-39.8			BS	+1082	+4445		
	4575				13.8	270° 40'	-53.7	-39.9	4509.4		BS	-2	-3		
1507	4263		240° 30'	-	6.9	89° 30'	+37.6	+30.7		4540.1		-908	-4165	1,903,665	382,357
1508	3938		241° 20'	-	9.0	89° 36'	+27.8	+18.8		4528.2		-783	-3859	1,903,790	382,695
1509	3622		242° 30'	-	9.0	89° 36'	+25.6	+16.6		4526.0		-648	-3564	1,903,925	382,993
1510	3298		243° 30'	-	11.1	89° 30'	+29.0	+17.9		4527.3		-533	-3255	1,904,040	383,302
1511	2970		243° 40'	+17.2°	10.7	89° 30'	+26.1	+15.4		4524.8		-471	-2932	1,904,102	383,625
1512	2640		243° 50'	-	10.8	89° 30'	+23.2	+12.4		4521.8		-411	-2608	1,904,162	383,949
1513	2310		" "	-	12.9	89° 30'	+20.3	+7.4		4516.8		-360	-2282	1,904,213	384,275
1514	1980		" "	-	8.8	89° 40'	+11.6	+2.8		4512.2		-309	-1956	1,904,264	384,601
1515	1650		" "	-	10.1	89° 40'	+9.7	-0.4		4509.0		-257	-1630	1,904,316	384,927
1516	1326		243° 55'	+17.2°	6.3	89° 40'	+7.7	+1.4		4510.8		-204	-1304	1,904,369	385,253
1517	990		" "	-	4.5	89° 40'	+5.8	+1.3		4510.7		-153	-978	1,904,420	385,579
1518	660		" "	-	6.3	89° 20'	+7.7	+1.4		4510.8		-102	-652	1,904,471	385,905
1519	330		" "	-	5.3	89° 20'	+3.8	-1.5		4507.9		-51	-326	1,904,522	386,231
1520	0		" "	-	5.2	-	-5.2			4504.2	T	0	0	1,904,573	386,557

FIREBALL Ridge - 15'
Desert Peak - 15'

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-12-84		B. Cotcamp		R. Trowbridge		6834		R.T. W		8		105			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Desert Peak-15'		NEV.		Churchill								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4509.4						
1521	330		62° 40'	+17.2	8.8	90° 20'	-1.9	-10.7		4498.7		+58	+325	1,904,631	386,882
1522	659		59° 10'	--	9.7	90° 46'	-7.7	-17.4		4492.0		+155	+640	1,904,728	387,197
1523	989		57° 45'	--	12.8	90° 40'	-11.5	-24.3		4485.1		+257	+955	1,904,830	387,512
1524	1318		57° 10'	--	12.8	90° 40'	-15.3	-28.1		4481.3		+355	+1269	1,904,928	387,826
1525	1648		56° 43'	--	11.1	90° 40'	-19.1	-30.2		4479.2		+457	+1584	1,905,030	388,141
1526	1978		56° 50'	+17.2	13.0	90° 40'	-22.9	-35.9		4473.5		+544	+1902	1,905,117	388,459
1527	2306		57° 40'	--	13.0	90° 40'	-26.7	-39.7		4469.7		+602	+2226	1,905,175	388,783
1528	2636		58° 00'	--	11.8	90° 40'	-30.5	-42.3		4467.1		+673	+2549	1,905,246	389,106
1529	2958		56° 38'	--	11.2	90° 40'	-34.2	-45.4		4464.0		+824	+2841	1,905,317	389,358
1530	3282		55° 38'	--	10.9	90° 40'	-38.0	-48.9		4460.5		+969	+3136	1,905,542	389,693
1531	3607		54° 40'	+17.2	11.4	90° 40'	-41.7	-53.1		4456.3		+1123	+3428	1,905,696	389,985
1532	3928		53° 30'	--	12.7	90° 40'	-45.4	-58.1		4451.3		+1298	+3707	1,905,871	390,264
1533	4247		52° 15'	--	9.0	90° 44'	-54.0	-63.0		4446.4		+1491	+3977	1,906,064	390,534
1534	4559		50° 55'	--	8.0	90° 44'	-57.9	-65.9		4443.5		+1699	+4231	1,906,272	390,786
1535	4875		49° 44'	--	4.6	90° 44'	-61.9	-66.5		4442.9		+1910	+4485	1,906,483	391,042
1536	5186		48° 32' 36"	--	10.1	90° 34'	-50.7	-60.8		4448.6	TP	+2130	+4728	1,906,701	391,282
1536	5186			--	10.2	269° 26'	-50.7	-60.9			TP	-2	-3		
	3247		197° 31' 44"	+17.2	10.1	89° 10'	-47.4	-37.3	4411.3		BS	+2668	+1850		
	3247				+10.0	270° 50'	-47.4	-37.4			BS	-2	-3		
1537	2919		197° 00'	--	9.7	89° 10'	+42.6	+32.9		4444.2		-2414	-1641	1,906,953	391,488

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	11.12.84	INSTRUMENT MAN	B. Camp	ROD MAN	R. Thorsbrige	PARTY NUMBER	6834	NOTES CHECKED BY	R.T. W	LINE NO.	8	PAGE	106
AREA	NEVADA	TOPO MAP	Desert Peak-15	STATE	NEV.	COUNTY	Churchill	TWP		RANGE	PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									4411.3					
1538	2590		196° 30'	+17.2°	9.9	89° 10'	+37.8	+27.9		4439.2		-2155	-1437	1,907,212 391,692
1539	2270		194° 55'	"	8.2	89° 20'	+26.5	+18.3		4429.6		-1923	-1207	1,907,444 391,922
1540	1959		192° 00'	"	10.3	89° 20'	+22.9	+12.6		4423.6		-1710	-956	1,907,657 392,173
1541	1641		189° 10'	"	8.9	89° 20'	+19.1	+10.2		4421.5		-1470	-729	1,907,897 392,400
1542	1314		187° 40'	"	8.9	89° 20'	+15.3	+6.4		4417.7		-1192	-553	1,908,175 392,576
1543	987		185° 15'	"	7.7	89° 20'	+11.5	+3.8		4415.1		-912	-377	1,908,455 392,752
1544	660		182° 20'	"	6.9	89° 20'	+7.7	+0.8		4412.1		-622	-221	1,908,745 392,908
1545	330		"	"	6.3	89° 20'	+3.8	-2.5		4408.8		-311	-110	1,909,056 393,019
1546	0				5.1	-	-	-5.1		4406.2	TP	0	0	1,909,367 393,129
1547	330		7° 00'	+17.2°	7.2	90° 20'	-1.9	-9.1		4402.2		+301	+135	1,909,668 393,264
1548	657		12° 00'	"	10.3	90° 20'	-3.8	-14.1		4397.2		+574	+321	1,909,941 393,450
1549	976		16° 55'	"	9.2	91° -	-17.0	-26.2		4385.1		+808	+547	1,910,175 393,676
1550	1289		22° 15'	"	12.0	91° -	-22.5	-34.5		4376.8		+995	+819	1,910,362 393,948
1551	1607		25° 40'	"	9.2	90° 50'	-23.3	-32.5		4378.8		+1178	+1093	1,910,545 394,222
TP	1720		26° 16' 57"	"	7.1	91° -	-30.0	-37.1		4374.2	TP	+1248	+1183	1,910,612 394,309
TP	1720				7.0	269° -	-30.0	-37.0			TP	-3	-3	
	2863		205° 40' 19"	+17.2°	+2.8	89° 50'	-8.5	-5.7	4368.5		BS	+2098	+1948	
	2863				+2.7	270 10	-8.5	-5.8			BS	-3	-3	
1552	2649		205° 10'	"	7.1	-	-	-7.1		4361.4		-1957	-1785	1,910,750 394,469
1553	2321		204° 35'	"	7.1	90 10	-6.6	-13.7		4354.8		-1731	-1547	1,910,976 394,707

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11.12.84		B. Cotcamp		R. Trowbridge		6834		R.T.W.		8		107			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Desert Peak - 15'		NEV.		Churchill/Pershing								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4368.5						
1554	1994		203° 30'	+17.2	12.8	90° 10'	-57	-185		4350.0		-1512	-1300	1,911,195	394,954
1555	1672		201° 25'	--	10.7	86° 36'	-17.5	-282		4340.3		-1306	-1044	1,911,401	395,210
1556	1352		197° 24'	--	13.6	90° 40'	-15.7	-29.3		4339.2		-1113	-768	1,911,594	395,486
#	1270		196° 15' 52"	--	9.7	91°	-22.1	-318		4336.7		-1059	-700	1,911,648	395,554
1557	1036		196° 15'	+17.2	13.2	91°	-18.1	-31.3		4337.2		-864	-571	1,911,843	395,683
1558	707		198° 00'	--	5.0	92°	-24.7	-29.7		4338.8		-578	-408	1,912,129	395,846
1559	378		197° 00'	--	10.1	92°	-13.2	-23.3		4345.2		-313	-212	1,912,394	396,042
1560	55		210° 05'	--	6.8	-	-	-6.8		4361.7		-37	-40	1,912,670	396,214
X	0				5.1	-	-	-5.1		4363.4	X	0	0	1,912,707	396,254
1561	275		50° 55'	+17.2	7.7	-	-	-7.7		4360.8		+103	+255	1,912,810	396,509
1562	605		-	--	10.2	-	-	-10.2		4358.3		+225	+561	1,912,932	396,815
1563	935		-	--	13.2	-	-	-13.2		4355.3		+348	+868	1,913,055	397,122
1564	1265		-	--	12.8	-	-	-12.8		4355.7		+471	+1174	1,913,178	397,428
1565	1595		50° 40'	--	7.2	BH	-8.0	-15.2		4353.3		+601	+1477	1,913,308	397,731
#	1703		50° 13' 12"	+17.2	8.3	BH	-8.5	-16.8		4351.7	#	+654	+1572	1,913,361	397,826
1566	1924		50° 00'	--	10.5	-	-	-10.5		4358.0		+746	+1774	1,913,453	398,028
1567	2254		49° 50'	--	9.0	-	-	-9.0		4359.5		+880	+2075	1,913,587	398,329
1568	2583		49° 25'	--	10.2	-	-	-10.2		4358.3		+1025	+2371	1,913,732	398,625
	2500		49° 19' 05"	--	10.2	-	-	-10.2		4358.3		+996	+2293	1,913,703	398,547
1569	2913		49° 15'	--	10.0	-	-	-10.0		4358.5		+1164	+2670	1,913,871	398,924

Churchill Co. ↑
Desert Peak - 15'
Ragged top mtn. S.W.
Pershing Co. ↓

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11.12.84		B. Cotcamp		R. Trowbridge		6834		R.T.K.		8		108			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ragged Top Mtn. S.W.		NEVADA		Pershing								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4368.5						
1570	3243		49° 10'	+17.2	10.7	-	-10.7			4357.8		+1300	+2971	1,914,007	399,225
1571	3567		49° 05'	--	13.6	-	-13.6			4354.9		+1435	+3266	1,914,142	399,520
1572	3902		48° 59' 01"	--	8.9	90° 26'	-6.5	-15.4		4353.1	TP	+1576	+3570	1,914,280	399,817
1572	3902			--	8.8	269° 54'	-6.5	-15.3			TP	-3	-7		
	3957		226° 35' 35"	+17.2	12.1	89° 20'	-46.4	-34.3	4318.6		BS	+1747	+3550		
	3957			--	11.8	270° 40'	-46.4	-34.6	(-34.5)		BS	-3	-7		
1573	3628		226° 30'	--	11.3	89° 20'	+42.5	+31.2		4349.8		-1607	-3252	1,914,417	400,108
1574	3298		226° 30'	--	10.9	89° 20'	+38.6	+27.7		4346.3		-1461	-2957	1,914,563	400,403
1575	2970		226° 20'	--	9.8	89° 20'	+34.7	+24.9		4343.5		-1324	-2659	1,914,700	400,701
1576	2640		-	--	8.9	89° 20'	+30.9	+22.0		4340.6		-1177	-2363	1,914,847	400,997
1577	2316		-	+17.2	8.3	89° 20'	+27.0	+18.7		4337.3		-1030	-2068	1,914,994	401,292
1578	1980		226° 30'	--	8.2	89° 20'	+23.1	+14.9		4333.5		-877	-1775	1,915,147	401,585
"	1956		226° 30' 35"	--	7.9	89° 20'	+22.8	+14.9		4333.5		-866	-1754	1,915,158	401,606
1579	1650		226° 30'	--	8.3	89° 20'	+19.3	+11.0		4329.6		-731	-1479	1,915,293	401,881
1580	1320		-	--	8.0	89° 20'	+15.4	+7.4		4326.0		-585	-1183	1,915,439	402,177
1581	990		-	--	8.0	89° 20'	+11.5	+3.5		4322.1		-439	-888	1,915,585	402,472
1582	660		-	--	7.3	89° 20'	+7.7	+0.4		4319.0		-292	-592	1,915,732	402,768
1583	330		-	--	6.0	89° 20'	+3.8	+2.2		4316.4		-146	-296	1,915,878	403,064
1584	0		-	--	5.2	-	-5.2			4313.4	π	0	0	1,916,024	403,360
1585	330		46° 30'	--	6.3	90° 20'	-1.9	-8.2		4310.4		+146	+296	1,916,170	403,656

Intersect
 1,915,160 x 401,565

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11.12.84		B. Cotcamp		R. Traylor, Oge		6834		R.T.W		8		109			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ragged Top Mtn. SW.		NEV.		Pershing								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4318.6						
1586	660		46° 30'	+17.2°	8.0	90° 20'	-3.8	-11.8		4306.8		+292	+592	1,916,316	403,952
1587	990		46° 00'	--	9.1	90° 20'	-5.7	-14.8		4303.8		+446	+884	1,916,470	404,244
1588	1318		45° 05'	--	10.6	90° 20'	-7.6	-18.2		4300.4		+613	+1167	1,916,637	404,527
1589	1648		44° 40'	--	12.7	90° 20'	-9.5	-22.2		4296.4		+777	+1453	1,916,801	404,813
1596	1977		44° 10'	--	16.7	90° 30'	-17.2	-27.9		4290.7		+947	+1735	1,916,971	405,095
1591	2306		43° 45'	--	9.3	90° 38'	-25.4	-34.7		4283.9		+1120	+2016	1,917,144	405,376
1592	2636		43° 38'	--	9.3	90° 38'	-29.0	-38.3		4280.3		+1285	+2302	1,917,309	405,662
1593	2967		43° 31' 23"	--	11.8	90° 36'	-30.9	-42.7		4275.8	TP	+1451	+2588	1,917,469	405,941
1593	2967			--	12.1	269° 24'	-30.9	-43.0	-42.8		TP	-6	-7		
	4611		222° 59' 36"	+17.2°	12.0	89° 12'	-64.8	-52.8	4222.9		BS	+2292	+4001		
	4611				11.7	270° 48'	-64.8	-53.1	(-53.9)		BS	-7	-8		
1594	4282		223° 05'	--	10.8	89° 16'	+55.2	+44.4		4267.3		-2123	-3719	1,917,631	406,215
1595	3953		223° 20'	--	9.3	89° 20'	+46.3	+37.0		4259.9		-1945	-3442	1,917,809	406,492
1596	3623		223° 25'	--	10.6	89° 20'	+42.4	+31.8		4254.7		-1778	-3157	1,917,976	406,777
1597	3294		223° 35'	--	10.9	89° 20'	+38.6	+27.7		4250.6		-1608	-2875	1,918,146	407,059
1598	2964		223° 46'	--	11.2	89° 20'	+34.7	+23.5		4246.4		-1443	-2589	1,918,311	407,345
1599	2635		223° 55'	--	10.9	89° 20'	+30.8	+19.9		4242.8		-1273	-2307	1,918,481	407,627
1600	2306		224° 10'	--	9.3	89° 20'	+26.9	+17.6		4240.5		-1105	-2024	1,918,649	407,910
1601	1976		224° 15'	--	8.5	89° 20'	+23.1	+14.6		4237.5		-944	-1736	1,918,810	408,198
1602	1646		--	--	8.0	89° 20'	+19.2	+11.2		4234.1		-787	-1446	1,918,967	408,488

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	11-12-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. TROWBRIDGE	PARTY NUMBER	6834	NOTES CHECKED BY	R.T. L	LINE NO.	8	PAGE	110
AREA	NEVADA	TOPO MAP	Rapped Top Mtn. S.W.	STATE	NEV.	COUNTY	Pershing	TWP		RANGE	PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									4222.9					
1603	1317		224° 00'	+17.2°	6.9	89° 20'	+15.4	+8.5		4231.4		-634	-1154	1,919,120 408,780
1604	990		223° 25'	--	5.8	89° 20'	+11.5	+5.7		4228.6		-486	-863	1,919,268 409,071
1605	660		223° 10'	--	5.5	89° 20'	+7.7	+2.2		4225.1		-326	-574	1,919,428 409,360
1606	330		222° 20'	--	5.5	89° 20'	+3.8	-1.7		4221.2		-167	-284	1,919,587 409,650
1607	0				5.2	-		-5.2		4217.7	π	0	0	1,919,754 409,934
1608	330		42° 40'	+17.2°	5.8	90° 20'	-1.9	-7.7		4215.2		+166	+285	1,919,920 410,219
1609	660		43° 00'	--	6.4	90° 20'	-3.8	-10.2		4212.7		+328	+573	1,920,082 410,507
1610	990		43° 40'	--	7.7	90° 20'	-5.7	-13.4		4209.5		+482	+865	1,920,236 410,799
1611	1320		43° 55'	--	9.0	90° 20'	-7.6	-16.6		4206.3		+638	+1156	1,920,392 411,090
1612	1650		44° 05'	--	10.0	90° 20'	-9.5	-19.5		4203.4		+793	+1447	1,920,547 411,381
1613	1979		44° 15'	+17.2°	12.4	90° 20'	-11.4	-23.8		4199.1		+946	+1738	1,920,700 411,672
1614	2309		" "	--	12.5	90° 20'	-13.3	-25.8		4197.1		+1104	+2028	1,920,858 411,962
1615	2639		44° 10'	--	9.6	90° 26'	-19.8	-29.4		4193.5		+1265	+2316	1,921,019 412,250
1616	2969		44° 20'	--	10.0	90° 26'	-22.3	-32.3		4190.6		+1415	+2610	1,921,169 412,544
1617	3299		" "	--	16.7	90° 26'	-24.7	-34.8		4188.1		+1572	+2900	1,921,326 412,834
π	3492		44° 12' 50"	+17.2°	10.0	90° 26'	-26.2	-36.2		4186.7	π	+1671	+3066	1,921,425 413,000
1618	3613		45° 20'	--	9.0	90° 26'	-27.1	-36.1		4186.8		+1666	+3206	1,921,420 413,140
1619	3909		47° 30'	--	9.1	90° 26'	-29.2	-38.3		4184.6		+1671	+3534	1,921,425 413,468
1620	4210		49° 26'	--	9.7	90° 26'	-31.5	-41.2		4181.7		+1670	+3865	1,921,424 413,799
1621	4513		51° 05'	--	9.5	90° 26'	-33.7	-43.2		4179.7		+1670	+4193	1,921,424 414,127

1,921,425 x 413,000
 T. intersect Horiz
 corr. 37
 37

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	11-12-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	R.T.W	LINE NO.	8	PAGE	111
AREA	NEVADA	TOPO MAP	Ragged top Mtn. S.W.	STATE	NEV.	COUNTY	Perzching	RANGE		PPM		PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									4222.9							
1	4775		52° 19' 30"	+17.2°	11.3	90° 26'	-35.6	-46.9		4176.0		+1670	+4473	1,921,424	4114,407	1921,425 x 411,410
1622	4821		52° 35'	"	10.8	90° 26'	-36.0	-46.8		4176.1		+1666	+4524	1,921,426	4114,456	
1623	5142		52° 49' 25"	"	12.5	90° 24'	-35.4	-47.9		4175.1	TP	+1757	+4833	1,921,513	4114,757	
1623	5142				12.2	269° 36'	-35.4	-47.6	(-47.8)		TP	"	-10			
	4614		219° 12' 10"	+17.2°	14.0	89° 40'	-27.3	+3.3	(416.1)	4161.7	BS	+2553	+3843			
	4614				13.7	270° 20'	-27.3	-13.6	(-13.7)		BS	"	-10			
1624	4284		219° 16'	"	6.5	89° 46'	+17.8	+11.3		4173.0		-2367	-3571	1,921,700	415,019	
1625	3954		"	"	7.7	89° 46'	+16.4	+8.7		4170.4		-2184	-3296	1,921,883	415,294	
1626	3624		"	"	8.4	89° 46'	+15.0	+6.6		4168.3		-2002	-3021	1,922,065	415,569	
1627	3294		"	"	10.0	89° 46'	+13.6	+3.6		4165.3		-1820	-2746	1,922,247	415,844	
1628	2967		219° 16'	+17.2°	11.1	89° 46'	+12.3	+1.2		4162.9		-1639	-2473	1,922,428	416,117	
1629	2637		"	"	12.2	89° 46'	+10.9	-1.3		4160.4		-1457	-2198	1,922,610	416,392	
1630	2307		"	"	12.7	89° 46'	+9.5	-3.2		4158.5		-1274	-1923	1,922,793	416,667	
1631	1977		"	"	13.1	89° 46'	+8.1	-5.0		4156.7		-1092	-1648	1,922,975	416,942	
1632	1648		219° 16'	"	12.1	89° 50'	+4.8	-7.3		4154.4		-910	-1374	1,923,157	417,216	
1633	1319		"	"	13.1	89° 50'	+3.9	-9.2		4152.5		-729	-1099	1,923,338	417,491	
1634	989		"	"	11.1	"	"	-11.1		4150.6		-546	-824	1,923,521	417,766	
#	878		219° 36' 05"	"	10.2	"	"	-10.2		4151.5	#	-481	-735	1,923,586	417,855	1,923,595 x 417,890
1635	660		219° 16'	"	10.3	"	"	-10.3		4151.4		-365	-556	1,923,702	418,040	# creek crossing
1636	330		"	"	8.5	"	"	-8.5		4153.2		-182	-275	1,923,885	418,315	Ragged Top S.W. T

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-12-84		B. Cotcamp		R. Trowbridge		6834		R.T.		8		112			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ragged Top mtn. - 7 1/2"		NEV.		Pershing								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4161.7						
1637	0				5.2	-		-5.2		4156.5	X	0	0	1,924,067	418,590
1638	330		39° 22'	+17.2°	7.0	89° -	+5.8	-1.2		4160.5		+182	+275	1,924,249	418,865
1639	660		" "	" "	9.2	89° -	+11.5	+2.3		4164.0		+364	+551	1,924,431	419,141
1640	990		" "	" "	8.9	89° 10'	+14.4	+5.5		4167.2		+545	+826	1,924,612	419,416
1641	1320		" "	" "	9.1	89° 10'	+19.2	+10.1		4171.8		+727	+1102	1,924,794	419,692
1642	1650		39° 22'	" "	8.8	89° 10'	+24.1	+15.3		4177.0		+909	+1377	1,924,976	419,967
"	1530		39° 08' 20"	+17.2°	9.0	89° 10'	+22.3	+13.3		4175.0		+848	+1273	1,924,915	419,863
1643	1980		39° 22'	" "	8.9	89° 10'	+28.9	+20.0		4181.7		+1091	+1652	1,925,158	420,242
1644	2310		" "	" "	8.1	89° 10'	+33.7	+25.6		4187.3		+1273	+1928	1,925,340	420,518
1645	2640		" "	" "	8.0	89° 10'	+38.5	+30.5		4192.2		+1455	+2203	1,925,522	420,793
1646	2968		" "	" "	6.8	89° 10'	+43.3	+36.5		4198.2		+1635	+2477	1,925,702	421,067
1647	3298		39° 22'	+17.2°	6.7	89° 10'	+48.2	+41.5		4203.2		+1817	+2752	1,925,884	421,342
1648	3628		" "	" "	5.8	89° 10'	+53.0	+47.2		4208.9		+1999	+3028	1,926,066	421,618
1649	3958		" "	" "	5.3	89° 10'	+57.9	+52.6		4214.3		+2181	+3303	1,926,248	421,893
1650	4288		" "	" "	11.4	89° 04'	+70.2	+58.8		4220.5		+2363	+3578	1,926,430	422,166
1651	4618		" "	" "	11.2	89° 04'	+75.7	+64.5		4226.2		+2544	+3854	1,926,611	422,441
1652	4947		" "	" "	10.4	89° 04'	+81.1	+70.7		4232.4		+2726	+4128	1,926,793	422,718
#	4667		39° 19' 40"	" "	11.8	89° 04'	+76.5	+64.7		4226.4	#	+2574	+3892	1,926,641	422,482
1653	5276		39° 23' 03"	" "	9.6	89° 04'	+86.5	+76.9		4238.7	TP	+2905	+4403	1,926,973	422,983
1653	5276				9.3	270° 56'	+86.5	+77.2	(770)		TP	"	-10		

y = 1,924,910 x = 419,890 intersect

SURVEY NOTES - HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-12-84		B. Cotcamp		R. Trowbridge		6834		R.T.W		8		113			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ragged Top Mtn. 7 1/2		NEV		Pershing								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										4238.7					
	5275		219° 28' 53"	+17.2°	7.7	91° 24'	+128.3	+136.0	4374.7		BS	+2897	+4407		
	5275				7.6	268° 36'	+128.3	+135.9			BS	"	-10		
1654	4945		219° 30'	--	8.8	91° 24'	-120.3	-129.1		4245.6		-2715	-4133	1,927,156	423,247
1655	4615		"	--	10.1	91° 24'	-112.3	-122.4		4252.3		-2534	-3857	1,927,337	423,523
1656	4285		"	--	11.8	91° 24'	-104.3	-116.1		4258.6		-2353	-3581	1,927,518	423,799
1657	3956		"	--	8.6	91° 28'	-100.9	-109.5		4265.2		-2172	-3306	1,927,699	424,074
1658	3627		219° 30'	+17.2°	9.7	91° 28'	-92.6	-102.3		4272.4		-1991	-3031	1,927,880	424,349
1659	3297		"	--	10.8	91° 28'	-84.2	-95.0		4279.7		-1810	-2756	1,928,061	424,624
1660	2967		"	--	8.9	91° 28'	-75.8	-84.7		4290.0		-1629	-2480	1,928,242	424,900
1661	2638		"	--	10.2	91° 28'	-67.4	-77.6		4297.1		-1448	-2205	1,928,423	425,175
1662	2308		219° 30'	+17.2°	9.7	91° 28'	-59.0	-68.7		4306.0		-1267	-1929	1,928,604	425,451
1663	1978		"	--	10.2	91° 28'	-50.5	-60.7		4314.0		-1086	-1653	1,928,785	425,727
1664	1648		"	--	10.8	91° 28'	-42.1	-52.9		4321.8		-905	-1377	1,928,966	426,003
1665	1319		"	--	12.2	91° 28'	-33.7	-45.9		4328.8		-724	-1102	1,929,147	426,278
1666	990		219° 30'	--	9.8	91° 28'	-25.3	-35.1		4339.6		-544	-827	1,929,327	426,553
1667	660		"	--	8.2	91° 28'	-16.9	-25.1		4349.6		-362	-552	1,929,509	426,828
1668	330		"	--	7.2	91° 28'	-8.4	-15.6		4359.1		-181	-276	1,929,690	427,104
1669	0		"	--	5.1	-	-	-5.1		4369.6	TP	0	0	1,929,871	427,380
1670	336		39° 31'	+17.2°	6.9	88°	+11.5	+4.6		4379.3		+181	+276	1,930,052	427,656
1671	660		"	--	9.1	88°	+23.0	+13.9		4388.6		+362	+552	1,930,233	427,932

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	11.12.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	R.T.W	LINE NO.	8	PAGE	114
AREA	NEVADA	TOPO MAP	Ragged Top mtn. - 7 1/2	STATE	NEV.	COUNTY	Pershing	TWP		RANGE	PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									4374.7					
1672	990		39° 30'	+17.2	9.9	88°	+34.6	+24.7		4399.4		+544	+827	1,930,415 428,207
1673	1320		-	--	11.3	88°	+46.1	+34.8		4409.5		+725	+1103	1,930,596 428,483
1674	1649		-	--	10.7	88° 06'	+54.7	+44.0		4418.7		+905	+1378	1,930,776 428,758
1675	1979		-	--	10.1	88° 06'	+65.7	+55.6		4430.3		+1087	+1654	1,930,958 429,034
1676	2309		39° 30'	--	9.6	88° 06'	+76.7	+67.1		4441.8		+1268	+1930	1,931,139 429,310
1677	2639		-	+17.2	9.3	88° 06'	+87.6	+78.3		4453.0		+1449	+2206	1,931,320 429,586
1678	2969		-	--	10.9	88° 06'	+98.6	+87.7		4462.4		+1630	+2482	1,931,501 429,862
1679	3299		-	--	9.8	88° 06'	+109.6	+99.8		4474.5		+1811	+2757	1,931,682 430,137
1680	3629		39° 30'	--	9.3	88° 06'	+120.6	+111.3		4486.0		+1992	+3033	1,931,863 430,413
+	3942		33° 04' 18"	--	11.0	88° 06'	+131.0	+120.0		4494.7	+	+2518	+3030	1,932,045 430,689 + section corner
1681	3299 3959		39° 30'	+17.2	7.1	88° 06'	+131.6	+124.5		4499.2		+2174	+3309	1,932,045 430,689
1682	3969 4289		-	--	12.7	88° 04'	+145.1	+132.4		4507.1		+2355	+3585	1,932,226 430,965
1683	2639 4619		-	--	9.8	88° 04'	+156.3	+146.5		4521.2		+2536	+3861	1,932,407 431,241
1684	4948		-	--	11.0	88°	+173.2	+162.2		4536.9		+2717	+4136	1,932,588 431,516
1685	5278		39° 31' 05"	--	12.6	88°	+184.8	+172.2		4547.0	TP	+2895	+4410	1,932,767 431,780
1685	5278				12.3	272°	+184.8	+172.5	(+172.3)		TP	"	"	
	3626		219° 02' 48"	+17.2	2.6	92° 20'	+147.4	+150.0		4697.0	BS	+2013	+3012	
	3626			+2.7		267° 40'	+147.4	+150.1			BS	"	"	
1686	3297		219° 03'	--	8.1	92° 18'	-132.1	-140.2		4556.8		-1832	-2741	1,932,949 432,041
1687	3967		-	--	10.4	92° 18'	-118.9	-129.3		4567.7		-1648	-2467	1,933,133 432,315

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11.12.84		B. Cotcamp		R. Trowbridge		6834		R.T.W		8		115			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ragged Top mtn. - 7 1/2'		NEVADA		Pershing								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4697.0						
1688	2637		219° 03'	+17.2°	9.2	92° 18'	-105.7	-114.9		4582.1		-1465	-2193	1,933,316	432,589
1689	2368		" "	" "	10.2	92° 18'	-92.5	-162.7		4594.3		-1282	-1919	1,933,499	432,363
1690	1979		" "	" "	9.0	92° 18'	-79.3	-88.3		4608.7		-1099	-1645	1,933,772	433,137
1691	1649		" "	" "	12.7	92° 18'	-66.1	-78.8		4618.2		-916	-1371	1,933,865	433,411
1692	1319		219° 03'	" "	12.8	92° 18'	-52.9	-65.7		4631.3		-733	-1097	1,934,048	433,685
1693	989		" "	" "	9.3	92° 18'	-39.7	-49.0		4648.0		-549	-822	1,934,232	433,960
1694	659		219° 03'	" "	6.3	92° 18'	-26.4	-32.7		4664.3		-366	-548	1,934,415	434,234
1695	330		" "	" "	5.8	92° 18'	-13.2	-19.0		4678.0		-183	-274	1,934,598	434,508
1696	0				5.2	-		-5.2		4691.8	π	0	0	1,934,781	434,782
1697	330		54° 45'	+17.2°	6.2	87° 20'	+15.4	+9.2		4706.2		+102	+314	1,934,883	435,096
1698	659		55° 55'	" "	7.7	87° 20'	+30.7	+23.0		4720.0		+191	+631	1,934,972	435,413
1699	989		" "	" "	9.5	87° 20'	+46.0	+36.5		4733.5		+287	+946	1,935,068	435,728
1700	1319		56° 00'	" "	11.1	87° 20'	+61.4	+50.3		4747.3		+381	+1263	1,935,162	436,045
1701	1648		56° 15'	" "	10.0	87° 20'	+76.7	+66.7		4763.7		+469	+1580	1,935,250	436,362
1702	1977		56° 40'	+17.2°	8.3	87° 20'	+92.1	+83.8		4780.8		+549	+1899	1,935,330	436,681
1703	2297		58° 35'	" "	7.4	87° 30'	+100.3	+92.9		4789.9		+564	+2227	1,935,345	437,009
1704	2607		61° 12'	" "	7.9	87° 30'	+113.9	+106.0		4803.0		+524	+2554	1,935,305	437,336
1705	2925		63° 05'	" "	8.7	87° 30'	+127.8	+119.1		4816.1		+494	+2883	1,935,275	437,665
1706	3251		64° 05'	" "	8.8	87° 30'	+142.0	+133.2		4830.2		+493	+3213	1,935,274	437,995
1707	3581		64° 08'	" "	9.2	87° 30'	+156.5	+147.3		4844.3		+540	+3540	1,935,321	438,322

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11.12.84		B. Cotcamp		R. Trowbridge		6834		P.C.K.		8		114			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ragged Top mtn. - 7 1/2		NEV.		Pershing								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									46970						
1708	3911		64° 10'	+17.2	8.9	87° 30'	+170.9	+162.0		4859.0		+587	+3867	1,935,368	438,649
1709	4241		64° 18'	--	9.0	87° 30'	+185.4	+176.4		4873.4		+627	+4194	1,935,408	438,976
π	4323		64° 12' 37"	--	9.8	87° 30'	+189.0	+179.2		4876.2		+646	+4275	1,935,427	439,057
Bm	4312		63° 28' 30"	+16.8	9.3	87° 30'	+188.5	+179.2		4876.2	TP	+728	+4246	1,935,510	439,020
Bm	4312				9.2	272° 30'	+188.5	+179.3			TP	"	-8		
	2217		243° 50' 28"	--	9.9	91° 30'	+57.9	+67.8	4943.9		BS	+360	+2187		
	2217				9.7	268° 30'	+57.9	+67.6	(4677)		BS				
1710	1963		241° 25'	--	12.3	91° 50'	-62.7	-75.0		4868.9		-401	-1922	1,935,472	439,285
1711	1635		243° 15'	--	8.8	92° 10'	-61.8	-70.6		4873.3		-283	-1610	1,935,570	439,597
1712	1317		246° 33'	--	8.9	92° 10'	-49.8	-58.7		4885.2		-153	-1308	1,935,720	439,899
1713	988		247° 00'	--	7.7	92° 10'	-37.3	-45.0		4898.9		-107	-982	1,935,766	440,225
1714	659		245° 55'	--	6.7	92° 10'	-24.9	-31.6		4912.3		-84	-654	1,935,789	440,553
1715	330		243° 55'	--	5.3	92° 10'	-12.5	-17.8		4926.1		-53	-326	1,935,820	440,881
1716	0				5.1	-		-5.1		4938.8	π	0	0	1,935,873	441,207
1717	154		58° 15' 40"	+16.8	6.0	87° 30'	+6.7	+0.7		4944.6		+40	+149	1,935,913	441,356
1717	330		65° 50'	--	6.2	87° 30'	+14.4	+8.2		4952.1		+71	+322	1,935,944	441,529
1718	658		64° 00'	--	5.9	87° 30'	+28.7	+22.8		4966.7		+105	+650	1,935,978	441,857
1719	987		65° 50'	--	6.2	87° 30'	+43.1	+36.9		4980.8		+127	+979	1,936,000	442,186
1720	1314		67° 35'	--	7.0	87° 30'	+57.4	+50.4		4994.3		+129	+1308	1,936,002	442,515
1721	1639		69° 40'	--	6.9	87° 30'	+71.5	+64.6		5008.5		+101	+1636	1,936,974	442,843

5. 1,935,510 x - 439,020
Bm. u.s.g.s. EL 4876.0
Horiz. 23-8
Codd.
K-66

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
11-12-84		B. Cot camp		R. Trowbridge		6834		B.C.W		8		117				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA		Ragged Top-7 1/2'		NEVADA		Pershing								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									4943.9							
71	1816		70° 07' 20"	+16.8°	7.4	87° 30'	+79.3	+71.9		5015.8	71	+97	+1812	1,935,970	443,019	U-1,935,970 x 443,000 T-Intersect
1722	1967		70° 50'	--	8.1	87° 30'	+85.9	+77.8		5021.7		+81	+1965	1,935,954	443,172	
1723	2295		71° 40'	--	7.7	87° 30'	+100.2	+92.5		5036.4		+61	+2294	1,935,934	443,501	
1724	2624		72° 10'	--	6.1	87° 30'	+114.6	+108.5		5052.4		+47	+2624	1,935,920	443,831	
1725	2953		72° 22'	--	8.0	87° 24'	+134.1	+126.1		5070.0		+43	+2953	1,935,916	444,160	
1726	3283		" "	+16.8°	5.8	87° 30'	+143.4	+137.6		5081.5		+48	+3283	1,935,921	444,490	
17	3561		72° 32' 40"	--	6.1	87° 30'	+155.6	+149.5		5093.4	17	+41	+3557	1,935,914	444,764	U-1,935,920 x 444,780 T-Intersect
1727	3611		72° 35'	--	6.2	87° 30'	+157.8	+151.6		5095.5		+39	+3611	1,935,912	444,818	
1728	3938		72° 00'	--	10.7	87° 24'	+179.0	+168.3		5112.2		+82	+3937	1,935,955	445,144	
1729	4262		71° 15'	--	8.9	87° 24'	+193.7	+184.8		5128.7		+145	+4260	1,936,018	445,467	
TP	4467		71° 44' 08"	--	4.6	87° 20'	+208.2	+203.6		5147.6	TP	+114	+4461	1,935,989	445,665	
TP	4467			--	4.3	272° 40'	+208.2	+203.9	(+203.7)		TP	+2	-3			
	2339		204° 12' 27"	+16.8°	5.6	93° 50'	+156.3	+161.9	(+161.7)	5309.3	BS	+1761	+1531			
	2339			+5.3		266° 10'	+156.3	+161.6	(+161.7)		BS	+2	-3			
1730	2154		204° 55'	--	15.5	94° -	-150.2	-165.7		5143.6		-1608	-1433	1,936,144	445,760	
1731	1836		204° 15'	--	9.4	94° 10'	-133.3	-142.7		5166.6		-1385	-1206	1,936,367	445,987	
1732	1516		207° 05'	--	7.8	94° 10'	-110.1	-117.9		5191.4		-1093	-1051	1,936,659	446,142	
1733	1195		210° 05'	--	7.4	94° -	-83.3	-90.7		5218.6		-817	-872	1,936,935	446,321	
1734	869		213° 00'	--	8.2	93° 50'	-58.1	-66.3		5243.0		-561	-664	1,937,191	446,529	
1735	552		220° 20'	--	8.6	93° 50'	-36.9	-45.5		5263.8		-306	-464	1,937,452	446,729	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-12-84		B. Cotcamp		R. Tromberger		6834		B.C.W		8		118			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ragged Top mtn. - 7 1/2		NEVADA		Pershing								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5309.3						
1736	228		225° 35'	+16.8	11.0	93° 50'	-15.2	-26.2		5283.1		-106	-202	1,937,646	446,991
TP	0				5.1	-		-5.1		5304.2	TP	0	0	1,937,752	447,193
1737	101		27° 15'	--	10.3	87° 20'	+4.7	-5.6		5303.7		+73	+70	1,937,825	447,263
1738	430		24° 10'	--	5.2	86° 20'	+27.5	+22.3		5331.6		+325	+282	1,938,077	447,475
1739	744		28° 45'	--	7.7	86° 20'	+47.6	+39.9		5349.2		+521	+531	1,938,273	447,724
1740	955		46° 05'	+16.8	9.3	86° 50'	+52.8	+43.5		5352.8		+435	+850	1,938,187	448,043
1741	1190		58° 15'	--	5.3	86° 50'	+65.8	+60.5		5369.8		+307	+1150	1,938,059	448,313
1742	1422		68° 35'	--	6.7	86° 40'	+82.7	+76.0		5385.3		+114	+1117	1,937,866	448,610
1743			72° 10'	--	15.0	86° 43'									
TP	1694		71° 01' 30"	--	12.4	86° 40'	+98.6	+86.2		5395.5	TP	+64	+1690	1,937,818	448,880
TP	1694				12.5	273° 20'	+98.6	+86.1			TP	-2	-3		
	1991		197° 25' 04"	+16.8	+4.8	95° 30'	+190.7	+195.5	5591.0		BS	+1639	+1114		
	1991				+4.7	264° 30'	+190.7	+195.4			BS	-2	-3		
1743	1996		196° 05'	--	6.7	95° 36'	-194.1	-200.8		5390.2		-1671	-1080	1,937,788	448,911
Bm	1804		194° 46' 58"	--	6.6	96° -	-188.5	-195.1		5395.9	Bm	-1528	-940	1,937,931	449,051
1744	1681		193° 05'	--	6.9	96° 26'	-188.3	-195.2		5395.8		-1458	-838	1,938,001	449,153
1745	1381		196° 15'	--	9.6	96° 26'	-154.7	-164.3		5426.7		-1158	-753	1,938,301	449,238
1746	1103		204° 05'	--	10.8	97° -	-134.4	-145.2		5445.8		-834	-722	1,938,625	449,269
1747	815		196° 15'	--	12.4	97° 30'	-106.4	-118.8		5472.2		-683	-444	1,938,776	449,547
1748	530		187° 00'	--	10.1	97° 30'	-69.2	-79.3		5511.7		-485	-214	1,938,974	449,777

1,937,935 x - 449,030
U.S.G.S. Bm EL. 5396.0

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-12-84		B. Cotcamp		R. Trowbridge		6834		B.C.W.		8		119			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Raggio Top Mtn. - 7 1/2		NEV.		Pershing								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5591.0						
1749	257		215° 30'	+16.8°	9.5	97° 30'	-335	-43.0		5548.0		-157	-203	1,939,302	449,788
X	0				5.2	-					X	0	0	1,939,459	449,991
1750	42		52° 45'	--	5.6	85° 30'	+3.3	-2.3		5588.7		+15	+39	1,939,474	450,030
1751	361		33° 05'	--	7.9	85° 30'	+28.3	+20.4		5611.4		+233	+276	1,939,692	450,267
1752	687		27° 45'	--	7.1	85° 20'	+55.9	+48.8		5639.8		+490	+482	1,939,949	450,473
1753	1009		30° 05'	--	8.2	85° 50'	+73.3	+65.1		5656.1		+690	+737	1,940,108	450,728
1754	1305		37° 10'	--	9.8	85° 50'	+94.9	+85.1		5676.1		+768	+1055	1,940,227	451,046
TP	1383		35° 01' 21"	--	7.2	85° 50'	+100.5	+93.3		5684.3	TP	+853	+1084	1,940,314	451,072
TP	1383			--	7.2	274° 10'	+100.5	+93.3			TP	-3	-3		
	1990		200° 43' 58"	+16.8°	5.4	92° 50'	+98.3	+103.7	5788.0		BS	+1576	+1211		
	1990			+5.3	5.3	267° 10'	+98.3	+103.6			BS	-3	-3		
1755	1793		198° 30'	--	11.1	93° 10'	-99.0	-110.1		5677.9		-1463	-1036	1,940,429	451,244
1756	1497		203° 46'	--	9.0	94° -	-104.4	-113.4		5674.6		-1139	-972	1,940,753	451,308
1757	1209		210° 15'	--	6.5	95° -	-105.3	-111.8		5676.2		-824	-885	1,941,068	451,395
1758	884		213° 05'	--	12.3	95° 10'	-79.6	-91.9		5696.1		-570	-676	1,941,322	451,604
1759	558		215° 20'	--	7.8	95° 10'	-50.2	-58.0		5730.0		-341	-442	1,941,551	451,838
1760	322		184° 15'	--	9.5	93° 20'	-18.7	-28.2		5759.8		-301	-116	1,941,591	452,164
Bm	367		166° 37' 58"	--	5.8	93° 20'	-21.3	-27.1		5760.9	Bm	-366	-22	1,941,526	452,258
X	0				5.2	-					X	0	0	1,941,892	452,280
1761	198		112° 30'	+16.8°	12.6	102° -	-41.2	-53.8		5734.2		-125	+153	1,941,767	452,433

1,941,580 x 452,245
S.G.S. Bm El. 5761.0

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-13-84		B. Cotcamp		R. Trowbridge		6834		B.P.W		8		120			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ragged Top mtn. - 7 1/2		NEV.		Pershing								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
									5788.0						
1762	562		108° 15'	+16.8°	9.8	99° -	-78.5	-98.3		5699.7		-285	+406	1,941,607	452,686
1763	823		109° 34' 02"	--	16.0	98° -	-114.5	-124.5		5663.5	TP	-483	+656	1,941,411	452,933
1763	823				9.9	262° -	-114.5	-124.4			TP	+2	-3		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	11-12-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.W.	LINE NO.	8	PAGE	121
AREA	NEVADA	TOPO MAP	Ragged Top mtn. - 7/2	STATE	NEV.	COUNTY	Persimong	TWP		RANGE	PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
	1597		308° 23' 43"	+16.8°	5.5	83° 40'	-176.2	-170.7	5492.8		BS	-1303	+906					
	1597				5.4	276° 20'	-176.2	-170.8			BS	+2	-3					
1764	1503		319° 22'	--	8.1	85° -	+131.0	+122.9		5615.7		+1375	-667	1,941,485	453,229			Ragged Top mtn. - 7/2 ↑
1765	1179		319° 05'	--	8.7	85° 20'	+96.0	+87.3		5586.1		+1076	-482	1,941,186	453,354			Toulon - 15 ↓
1766	884		327° 15'	--	8.6	86° 20'	+56.5	+47.9		5540.7		+850	-243	1,940,960	453,593			
1767	599		339° 00'	--	4.5	88° 20'	+17.4	+12.9		5505.7		+597	-44	1,940,707	453,792			
1768	438		11° 00'	--	9.2	91° 20'	-10.2	-19.4		5473.4		+387	+204	1,940,497	454,040			
π	0				4.8	-		-4.8		5488.0	π	0	0	1,940,110	453,836			
1769	555		47° 20'	+16.8°	6.5	95° -	-48.4	-54.9		5437.9		+242	+499	1,940,352	454,335			
1770	721		71° 46'	--	4.8	96° 46'	-84.9	-89.7		5403.1		+18	+721	1,940,128	454,557			
1771	1019		76° 40'	--	5.7	96° 40'	-118.3	-124.0		5368.8		-62	+1017	1,940,048	454,853			
1772	1345		75° 20'	--	11.2	96° 24'	-149.9	-161.1		5331.7		-50	+1344	1,940,060	455,180			
1773	1649		79° 24'	--	6.2	96° 24'	-183.8	-190.0		5302.8		-178	+1639	1,939,932	455,475			
1774	1919		85° 25'	--	8.1	96° 24'	-213.8	-221.9		5270.9		-406	+1876	1,939,704	455,712			
1775	2245		86° 15'	--	6.6	96° 10'	-241.1	-247.7		5245.1		-507	+2187	1,939,603	456,023			
TP	2411		87° 36' 46"	--	6.7	96° -	-251.9	-258.6		5234.2	TP	-597	+2322	1,939,515	456,155			
TP	2411				6.6	264° -	-251.9	-258.5			TP	+2	-3					
	1390		342° 28' 22"	+16.8°	4.4	87° -	-72.8	-68.4	5165.8		BS	-1388	+18					
	1390				4.3	273° -	-72.8	-68.5			BS	+2	-3					
1776	1213		343° 45'	--	6.0	87° -	+63.5	+57.5		5223.3		+1213	+12	1,939,342	456,182			

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-13-84		B. Cotcamp		R. TROWBRIDGE		6834		B. Cole		8		122			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		TOULON-15'		NEV		Pershing								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5165.8						
#1	1001		344° 48' 40"	+16.8°	10.2	87°	+52.4	+42.2		5208.0	#1	+999	+28	1939.128	456.198
1777	884		344° 40'	--	11.0	87°	+46.3	+35.3		5201.1		+884	+23	1939.013	456.193
#	703		345° 19' 35"	--	9.0	87° 20'	+32.7	+23.7		5189.5	#	+702	+26	1938.831	456.196
1778	554		344° 40'	--	9.9	87° 20'	+25.8	+15.9		5181.7		+554	+14	1938.683	456.184
1779	248		1° 40'	--	8.6	89° 20'	+2.9	-5.7		5160.1		+235	+79	1938.364	456.249
π	0				5.0	-		-5.0		5160.8	π	0	0	1938.129	456.170
1780	272		79° 30'	+16.8°	6.4	94° 20'	-20.6	-27.0		5138.8		-30	+276	1938.099	456.440
1781	577		97° 40'	--	5.7	94° 20'	-43.6	-49.3		5116.5		-239	+525	1937.890	456.695
1782	906		97° 05'	--	4.5	94° 20'	-68.4	-72.9		5092.9		-367	+828	1937.762	456.998
1783	1230		94° 25'	--	6.2	94°	-85.8	-92.0		5073.8		-445	+1147	1937.684	457.317
TP	1371		92° 11' 10"	--	10.4	93° 30'	-83.7	-94.1		5071.7	TP	-445	+1294	1937.686	457.461
TP	1371				10.3	266° 30'	-83.7	-94.0			TP				
	1093		259° 15' 45"	+16.4°	4.6	86° 50'	-60.4	-55.8	5015.9		BS	-108	+1086		
	1093				4.6	273° 10'	-60.4	-55.8			BS				
1784	929		264° 10'	--	7.6	87° 20'	+43.2	+35.6		5051.5		+170	-913	1937.750	457.631
1785	606		263° 55'	--	13.4	87° 20'	+28.2	+14.8		5030.7		+109	-596	1937.689	457.948
Bm	533		267° 00' 47"	--	3.4	88°	+186	+15.2		5031.1	Bm	+124	-518	1937.704	458.026
1786	278		263° 20'	--	13.6	88°	+9.7	-3.9		5012.0		+47	-274	1937.627	458.270
π	0				5.1	-		-5.1		5010.8	π	0	0	1937.586	458.544
1787	108		155° 30'	+16.4°	5.9	98°	-15.0	-20.9		4995.0		-107	+15	1937.473	458.559

4-1938.890 x-456.250
creek crossing

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11.13.84		B. Cotcamp		R. TROWBRIDGE		6834		B.C.W.		8		123			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		TOULON-15'		NEVADA		PERKINS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5015.9						
1788	341		87° 20'	+16.4°	10.3	95° -	-29.7	-40.0		4975.9		-81	+331	1937.499	458.875
1789	655		75° 05'	--	10.3	94° 20'	-49.5	-59.8		4956.1		-17	+655	1937.563	459.199
1790	979		70° 40'	--	9.1	94° -	-68.3	-77.4		4938.5		+50	+978	1937.630	459.522
1791	1307		70° 40'	--	7.6	93° 50'	-87.3	-94.9		4921.0		+67	+1305	1937.647	459.849
1792	1635		71° 50'	--	4.9	93° 50'	-109.3	-114.2		4901.7		+50	+1634	1937.630	460.178
1793	1965		72° 40'	--	8.7	93° 40'	-125.6	-134.3		4881.6		+32	+1965	1937.612	460.509
TP	1934		75° 32' 11"	--	7.2	93° 20'	-112.4	-119.6		4896.3	TP	-65	+1930	1937.517	460.471
TP	1934				7.1	266° 40'	-112.4	-119.5			TP	-2	-3		
	1203		272° 15' 52"	+16.0°	6.2	87° 30'	-52.5	-46.3	4850.0		BS	-377	+1141		
	1203				6.1	272° 30'	-52.5	-46.4			BS	-2	-3		
1794	886		274° 00'	--	6.2	88° 40'	+20.6	+14.4		4864.4		+303	-833	1937.445	460.776
1795	561		275° 58'	--	10.1	89° 10'	+8.2	-1.9		4848.1		+210	-520	1937.352	461.089
1796	249		291° 45'	--	9.3	93° 10'	-13.8	-23.1		4826.9		+152	-197	1937.294	461.412
π	0				5.1	-		-5.1		4844.9	π	0	0	1937.142	461.609
1797	123		50° 42'	+16.0°	11.3	103° 30'	-28.7	-40.0		4810.0		+49	+113	1937.191	461.722
1798	414		84° 10'	--	12.1	96° 30'	-46.9	-59.0		4791.0		-73	+408	1937.069	462.017
1799	743		-	--	4.5	95° 30'	-71.2	-75.7		4774.3		-131	+731	1937.011	462.310
1800	1072		-	--	10.4	84° 20'	-81.0	-91.4		4758.6		-189	+1055	1936.953	462.664
1801	1393		82° 15'	--	7.5	94° 10'	-101.2	-108.7		4741.3		-200	+1379	1936.942	462.988

SURVEY NOTES-HIGH RESOLUTION DATA
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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11.13.84		B. Cotcamp		R. Trowbridge		6834		B.C.W.		8		124			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Toulon-15'		NEV.		Pershing								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4850.0						
TP	1372		80° 24' 16"	+16.0	8.2	93° 50'	-91.7	-99.9		4750.1	TP	-153	+1360	1,936,991	462,966
TP	1372				8.1	266° 10'	-91.7	-99.8			TP	+2	-3		
	1419		237° 33' 37"	--	+5.2	86° 40'	-82.5	-77.3	4672.8		BS	+401	+1359		
	1419				+5.1	273° 20'	-82.5	-77.4			BS	+2	-3		
1802	1094		238° 20'	--	5.8	87° -	+57.3	+51.5		4724.3		-295	-1053	1,937,099	463,269
1803	774		243° 15'	--	6.8	87° -	+40.5	+33.7		4706.5		-144	-760	1,937,250	463,562
1804	446		245° 00'	--	6.7	87° -	+23.3	+16.6		4689.4		-70	-441	1,937,324	463,881
1805	117		241° 30'	--	6.2	87° -	+6.1	-0.1		4672.7		-25	-114	1,937,369	464,208
X	0				5.1	-		-5.1		4667.7	X	0	0	1,937,394	464,322
1806	215		74° 30'	+16.0	6.9	92° 30'	-9.4	-16.3		4656.5		-2	+215	1,937,392	464,537
1807	544		73° 55'	--	8.9	92° 30'	-23.7	-32.6		4640.2		+1	+544	1,937,395	464,866
1808	874		75° 06'	--	9.1	92° 30'	-38.1	-47.2		4625.6		-15	+874	1,937,379	465,196
1809	1203		74° 45'	--	12.0	92° 30'	-52.4	-64.4		4608.4		-16	+1203	1,937,378	465,525
1810	1533		" "	+16.0	12.0	92° 30'	-66.8	-78.8		4594.0		-20	+1533	1,937,374	465,855
1811	1863		" "	--	12.9	92° 30'	-81.2	-94.1		4578.7		-24	+1863	1,937,370	466,185
1812	2193		74° 05'	--	8.3	92° 40'	-101.9	-110.2		4562.6		-3	+2193	1,937,391	466,515
1813	2523		73° 55'	--	7.0	92° 40'	-117.3	-124.3		4548.5		+4	+2523	1,937,398	466,845
1814	2852		74° 11' 28"	--	7.4	92° 40'	-132.5	-139.9		4533.0	TP	-10	+2849	1,937,384	467,168
1814	2852				8.7	267° 22'	-130.9	-139.6	(1808)		TP	+2	-3		

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
11.13.84		B. Cotcamp		R. Trowbridge		6834		B.C. Le		8		125				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA		Toulon-15'		NEV.		Persimung								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									4533.0							
	2614		265° 19' 13"	+16.0	9.1	87° 50'	-99.0	-89.9	4443.0 -90.0		BS	-513	+2561			
	2614				8.8	272° 10'	-99.0	-90.2			BS					
1815	2286		266° 00'	--	12.8	87° 50'	+86.5	+73.7		4516.7		+475	-2236	1,937,350	467,490	
6m	2983		265° 58' 11"	--	4.1	87° 50'	+111.1	+107.0		4556.0		+608	-2869	1,937,483	466,857	45506
1816	1958		266° 30'	--	8.9	88° -	+68.4	+59.5		4502.5		+424	-1912	1,937,299	467,814	
1817	1628		266° 40'	--	8.7	88° 10'	+52.1	+43.4		4486.4		+357	-1588	1,937,232	468,138	
1818	1302		265° 00'	+16.0	9.8	88° 10'	+41.7	+31.9		4474.9		+248	-1278	1,937,123	468,448	
#	1515		266° 11' 54"	--	10.2	88° 10'	+48.5	+38.3		4481.3	#	+320	-1480	1,937,195	468,246	4-1,937,180x-468,470 # creek crossing
1819	974		265° 45'	--	8.6	88° 30'	+25.5	+16.9		4459.9		+198	-954	1,937,073	468,772	
1820	667		274° 20'	--	8.9	89° -	+11.6	+2.7		4445.7		+232	-625	1,937,107	469,101	
1821	383		293° 35'	--	8.6	90° 30'	-3.3	-11.9		4431.1		+244	-295	1,937,119	469,431	
π	0				5.1	-		-5.1		4437.9	π	0	0	1,936,875	469,726	
1822	259		351° 30'	+16.0	7.0	94° 30'	-20.3	-27.3		4415.7		+257	+34	1,937,132	469,760	
1823	420		43° 10'	--	7.4	94° 30'	-32.9	-40.3		4402.7		+215	+361	1,937,090	470,087	
1824	671		66° 20'	--	9.8	93° 40'	-42.9	-52.7		4390.3		+90	+665	1,936,965	470,391	
1825	977		75° 00'	--	6.1	93° 40'	-62.5	-68.6		4374.4		-17	+977	1,936,858	470,703	
1826	1298		78° 50'	--	6.5	93° 20'	-75.4	-81.9		4361.1		-109	+1293	1,936,766	471,019	
1827	1621		81° 18' 40"	--	11.0	93° -	-84.8	-95.8		4347.2	TP	-206	+1606	1,936,671	471,329	
1827	1621			--	10.9	267° -	-84.8	-95.7			TP					

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11.13.84		B. Cotcamp		R. Trowbridge		6834		B.C. W		8		126			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Touhon-15'		NEV.		PerSming								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										4347.2					
	1319		273° 10' 46"	+1604	8.0	87° 30'	-57.6	-49.6	4297.6		BS	-433	+1245		
	1319				+4.2	87° 40'	-53.7	-49.5			BS	+2	-3		
1828	990		273° 10'	--	8.2	87° 30'	+43.2	+35.0		4332.6		+325	-935	1,936,565	471,636
1829	660		--	--	7.7	87° 30'	+28.8	+21.1		4318.7		+217	-623	1,936,457	471,948
1830	330		--	--	6.1	87° 30'	+14.4	+8.3		4305.9		+108	-312	1,936,348	472,259
1831	0				5.1	-		-5.1		4292.5	π	0	0	1,936,240	472,571
1832	330		98° 55'	+16.0	6.1	92° 20'	-13.4	-19.5		4278.1		-139	+299	1,936,101	472,870
1833	655		92° 10'	--	9.0	92° 20'	-26.7	-35.7		4261.9		-204	+622	1,936,036	473,193
1834	986		88° 25'	--	7.1	92° 20'	-39.9	-47.0		4250.6		-244	+949	1,935,996	473,520
#1	1009		87° 47' 25"	--	6.8	92° 20'	-41.1	-47.9		4249.7		-240	+979	1,936,000	473,550
#	795		89° 25' 22"	--	8.6	92° 20'	-32.4	-41.0		4256.6		-211	+766	1,936,029	473,337

E.O.L. Line #8
 4 - 1,936,000 X - 473,550
 #1 y - intersect EL 4247.0
 # y - 1,936,050 X - 473,260
 # Creek crossing