

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

Page 1 of 64

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
12-31-82		D. Hamilton		H. Saucedo		6834		D.H. / D.S.		9		1		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Death Valley		Shoshone Quad 15		California		Inyo						L.D. 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 -	
TK1	u.S.C. + 6.5	Bm	(275° 11' 19")							1639.0	TK			Bm - 252,840 x -2,806,255 EL. 1639
BM	2855		0° 00' 00"		+9.4	91° 00'	+49.8	+59.2			BS	+258	-2843	
BM	2855				+9.3	269° 00'	+49.8	+59.1	1698.1		BS	+27	+16	
1	2640		359° 58' (95° 09')		-12.4	91° 00'	-46.1	-58.5		1639.6		-237	+2629	252,888 2,806,057 B.O.L. Line #9
2	2310		359° 48' (94° 59')		-7.7	91° 10'	-47.0	-54.7		1643.4		-201	+2301	252,924 2,805,729
3	1980		359° 47' (94° 58')		-10.1	91° 10'	-40.3	-50.4		1647.7		-171	+1973	252,954 2,805,401
4	1650		359° 32' (94° 43')		-10.7	91° 10'	-33.6	-44.3		1653.8		-136	+1644	252,989 2,805,072
5	1320		359° 13' (94° 24')		-9.3	91° 10'	-26.9	-36.2		1661.9		-101	+1316	253,024 2,804,744
6	990		358° 41' (93° 52')		-11.7	91° 00'	-17.3	-29.0		1669.1		-67	+988	253,058 2,804,416
7	660		357° 49' (93° 00')		-10.6	91° 00'	-11.5	-22.1		1676.0		-35	+659	253,090 2,804,087
8	330		354° 18' (89° 29')		-7.5	91° 00'	-5.8	-13.3		1684.8		+3	+330	253,128 2,803,758
9	0				-5.4	-		-5.4		1692.7	TP	0	0	253,125 2,803,428
10	327		148° 53' (249° 04')		-5.5	88° 30'	+8.6	+3.1		1701.2		-143	-294	252,982 2,803,134
11	658		147° 44' (242° 55')		-5.2	88° 30'	+17.2	+12.0		1710.1		-300	-586	252,825 2,802,842
12	986		149° 30' (244° 41')		-9.1	88° 00'	+34.4	+25.3		1723.4		-422	-891	252,643 2,802,537
TP	1120		149° 59' 13"		-4.7	88° 00'	+39.1	+34.4		1732.6	TP	-470	-1016	252,682 2,802,428
TP	1120		(245° 10' 32")		-4.5	272° 00'	+39.1	+34.6	+34.55		TP	+27	+16	
9			0° 00' 00"											
TP	0				+5.4	-		-5.4	1738.0		TP	0	0	252,682 2,802,428

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12-31-82		D. Hamilton		H. Saucedo		6834		D.H./D.S.		9		2				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Death Valley		Shoshone Quad 15		California		Inyo								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
13	202		211° 49' (276' 60")		6.5	—		-6.5		1731.5		+25	-200	252,707	2,802,228	
14	530		207° 04' (272' 15")		6.8	89° 00'	+9.3	+2.5		1740.5		+21	-530	252,703	2,801,898	
15	861		205° 51' (271' 02")		7.4	88° 30'	+22.6	+10.2		1748.2		+16	-861	252,698	2,801,567	
16	1190		205° 16' (270' 21")		10.1	88° 30'	+31.2	+21.1		1759.1		+7	-1190	252,689	2,801,238	
17	1518		204° 29' (269' 40")		7.2	88° 30'	+39.8	+32.6		1770.6		9	-1518	252,673	2,800,910	
BM	1853		204° 25' 16"		7.6	88° 20'	+53.9	+46.3		1784.4	Bm	-13	-1852	252,695	2,800,590	y = 252,695 x = 2,800,590 U.S.C & G.S Bm EL. 1784.0
BM	1853		(269° 35' 48")		7.4	271° 40'	+53.9	+46.5	+46.4' 3		Bm	+20	+114			Horiz corr. y = +80' x = +46'

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GEO-445

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
1-4-83		B. Cotcamp		D. Hamilton		6834		D.H./D.S.		9	3				
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER							
Depth Valley		SHOSHONE-15'	CALIF.	INYO				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
			(89° 11' 48")	POINT											SUNSHOT TAKEN AT
TP			0° 00' 00"							1784.0	TP				THIS POINT U.S.C. + C.S. BM. EL. 1784.0 Y-252,695 X-2,800,590
Bm	0				+4.1	4i		+4.1	1788.1		TP	0	0	252,695	2,800,590
18	9		96° 04' (179° 13')		6.5	-		-6.5		1781.6		-9	0	252,686	2,800,590
19	330		175° 41' (264° 53')		7.8	87° 40'	+13.4	+5.6		1793.7		-29	-329	252,666	2,800,261
20	660		177° 25' (266° 37')		8.2	87° 40'	+26.9	+18.7		1806.8		-39	-659	252,656	2,799,931
21	990		177° 42' (266° 54')		9.5	87° 40'	+40.3	+30.8		1818.9		-54	-989	252,641	2,799,601
22	1320		178° 07' (267° 19')		12.0	87° 40'	+53.8	+41.8		1829.9		-62	-1319	252,633	2,799,271
23	1650		177° 15' 37"		1.0	88°	+57.6	+56.6		1844.8	TP	-102	-1646	252,598	2,798,939
23	1650		(266° 27' 25")		0.8	272°	+57.6	+56.8	+56.7		TP	+5	-5		
Bm			0° 00' 00"												
23	0				+5.0	4i		+5.0	1849.8		TP	0	0	252,598	2,798,939
24	331		188° 02' (274° 29')		5.8	87° 40'	+13.5	+7.7		1857.5		+26	-330	252,624	2,798,609
25	659		185° 13' (271° 40')		8.7	87° 40'	+26.8	+18.1		1867.9		-19	-659	252,617	2,798,280
26	990		184° 40' (271° 07')		11.7	87° 40'	+40.3	+28.6		1878.4		+19	-990	252,617	2,797,949
27	1320		184° 11' (270° 38')		9.5	87° 50'	+49.9	+40.4		1890.2		+15	-1320	252,613	2,797,619
28	1650		183° 55' (270° 22')		11.0	87° 50'	+62.4	+51.4		1901.2		+11	-1650	252,609	2,797,289
29	1977		182° 45' 40"		8.8	88°	+69.1	+60.3		1910.3	TP	-27	-1976	252,576	2,796,958
29	1977		(269° 13' 05")		8.5	272°	+69.1	+60.6	+60.5		TP	+5	-5		

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1-4-83		B. Cotcamp		D. Hamilton		6834		D.H./D.S.		9		4			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		SMOSHONE-15'		CALIF.		Inyo								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
23			0° 00' 00"							1910.3					
29	0				+ 5.05	Hi		+ 5.1	1915.4		π	0	0	252,576 2,796,958	
30	330		173° 43' (262° 56')		6.6	88° -	+ 11.5	+ 4.9		1920.3		741	327	252,535 2,796,631	
31	660		" " "		8.0	88° -	+ 23.0	+ 15.0		1930.4		81	655	252,495 2,796,303	
32	990		" " "		10.8	88° -	+ 34.6	+ 23.8		1939.2		122	982	252,454 2,795,976	
33	1320		" " "		12.2	88° -	+ 46.1	+ 33.9		1949.3		162	1310	252,415 2,795,648	
34	1650		" " (262° 56')		9.3	88° 10'	+ 52.8	+ 43.5		1958.9		203	1637	252,373 2,795,321	
35	1980		" " "		9.8	88° 10'	+ 63.4	+ 53.6		1969.0		244	1965	252,332 2,794,993	
36	2310		" " "		9.0	88° 10'	+ 74.0	+ 65.0		1980.4		284	2292	252,292 2,794,666	
37	2638		172° 50' (262° 03')		9.8	88° 10'	+ 84.5	+ 74.7		1990.1		365	2613	252,211 2,794,345	
38	2966		171° 50' 36"		11.1	88° 10'	+ 95.1	+ 84.0		1999.6	TP	461	2928	252,120 2,794,025	
38	2966		(261° 03' 41")		10.8	271° 50'	+ 95.1	+ 84.3	+ 34.2		P	+5	-5		
29			0° 00' 00"												
38	0				+ 5.0	Hi		+ 5.0	2004.6		π	0	0	252,120 2,794,025	
39	330		171° 35' (252° 38')		6.2	88° 10'	+ 10.6	+ 4.4		2009.0		99	315	252,021 2,793,710 ELEV.	
40	660		" " "		8.0	88° 10'	+ 21.1	+ 13.1		2017.7		197	630	251,928 2,793,395	
41	990		" " "		10.5	88° 10'	+ 31.7	+ 21.2		2025.8		296	945	251,824 2,793,080	
42	1320		" " "		11.9	88° 10'	+ 42.3	+ 30.4		2035.0		394	1260	251,726 2,792,765	
43	1650		" " "		9.4	88° 20'	+ 48.0	+ 38.6		2043.2		493	1575	251,627 2,792,450	

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1-4-83		B. Cotcamp		D. Hamilton		6834		D.H./D.S.		9	5					
AREA		TOPO MAP		STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER							
Depth Valley		SHOSHONE-15'		CALIF.	IMYO				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	
44	1980		171° 35' (252° 38')		6.0	88° 20'	+ 57.7	+ 51.7		2056.3		- 591	- 1890	251,529	2,792,135	
45	2310		" " " "		6.8	88° 20'	+ 67.3	+ 60.5		2065.1		- 690	- 2205	251,430	2,791,820	
46	2640		" " " "		7.2	88° 20'	+ 76.9	+ 69.7		2074.3		- 788	- 2520	251,332	2,791,505	
47	2970		" " " "		6.2	88° 20'	+ 86.6	+ 80.4		2085.0		- 887	- 2835	251,233	2,791,190	
48	3301		171° 32' 42"		5.6	88° 20'	+ 96.2	+ 90.6		2095.3	TP	- 986	- 3149	251,139	2,790,871	
48	3301		(252° 36' 23")		5.3	271° 40'	+ 96.2	+ 90.9	+ 90.7		TP	+ 5	- 5			
38			0° 00' 00"													
48	0				+ 5.1	Hi		+ 5.1	2100.4		X	0	0	251,139	2,790,871	
49	330		170° 31' (243° 07')		7.2	88° -	+ 11.5	+ 4.3		2104.7		- 149	- 294	250,990	2,790,577	
50	660		" " " "		10.0	88° -	+ 23.0	+ 13.0		2113.4		- 298	- 589	250,841	2,790,282	
51	990		170° 23' (242° 59')		8.9	88° 10'	+ 31.7	+ 22.8		2123.2		- 450	- 882	250,689	2,789,989	
52	1320		169° 08' (241° 44')		6.0	88° 20'	+ 38.4	+ 32.4		2132.8		- 625	- 1163	250,514	2,789,708	
53	1634		165° 40' (238° 16')		8.0	88° 10'	+ 52.3	+ 44.3		2144.7		- 859	- 1390	250,280	2,789,481	
54	1904		159° 14' 18"		11.8	88° 10'	+ 61.0	+ 49.2			TP	- 1176	- 1496	249,968	2,789,370	
54	1904		(231° 50' 41")		11.7	271° 50'	+ 61.0	+ 49.3		2149.7	TP	+ 5	- 5			
48			0° 00' 00"													
54	0				+ 5.05	Hi		+ 5.1	2154.8		X	0	0	249,968	2,789,370	

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1-4-83		B. Cotcamp		D. Hamilton		6834		D.H./D.S.		9		6							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
CALIF.		SHOSHONE - 15'		CALIF.		Inyo								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				
									2154.8										
55	330		133° 24' (185° 14')		7.6	89° 30'	+ 2.9	-4.7		2150.1		329	30	249,639	2,789,340				
56	660		132° 35' (184° 25')		9.0	89° 30'	+ 5.8	-3.2		2151.6		658	51	249,310	2,789,319				
57	984		134° 50' (186° 40')		8.8	89° 30'	+ 8.6	-0.2		2154.6		977	114	248,991	2,789,256				
58	1304		137° 53' (189° 43')		7.1	89° 30'	+ 11.4	+4.3		2159.1		1285	220	248,683	2,789,150				
59	1626		140° 58' (192° 48')		9.5	89° 20'	+ 19.0	+9.5		2164.3		1586	360	248,382	2,789,010				
60	1943		144° 05' (195° 55')		8.7	89° 20'	+ 22.7	+14.0		2168.8		1869	533	248,099	2,788,837				
61	2252		147° 13' 29"		12.7	89° 10'	+ 32.9	+20.2		2175.0	TP	2128	736	247,845	2,788,629				
61	2252		(199° 04' 10")		12.8	70° 50'	+ 32.9	+20.1			TP	+5	-5						
54			0° 00' 00"																
61	0				+ 5.2	Hi		+5.2	2180.2		X	0	0	247,845	2,788,629				
62	330		198° 30' (217° 34')		5.8	89° 10'	+ 4.8	-1.0		2179.2		262	201	247,583	2,788,428				
63	660		" " (217° 34')		5.5	89° 10'	+ 9.6	+4.1		2184.3		523	402	247,322	2,788,227				
64	990		" " " "		6.2	89° 10'	+ 14.4	+8.2		2188.4		785	609	247,060	2,788,025				
65	1320		" " " "		9.1	89° 10'	+ 19.2	+10.1		2190.3		1046	805	246,799	2,787,824				
66	1650		198° 39' 08"		11.6	89° 20'	+ 19.3	+7.7		2187.9	TP	1305	1009	246,545	2,787,615				
66	1650		(217° 43' 18")		14.5	89° 14'	+ 22.1	+7.6			TP	+5	-5						
61			0° 00' 00"																
66	0				+ 5.2	Hi		+ 5.2	2193.1		X	0	0	246,545	2,787,615				

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1-4-83		B. Cotcamp		D. Hamilton		6834		D.H./D.S.		9		7			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Snoshone-15		CALIF.		Inyo								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
									2193.1						
67	330		179° 56' (217° 39')		5.3	90° 40'	-3.8	-9.1		2184.0		261	202	246,284	2,787,413
Bm	580		181° 11' 53" (218° 45' 11")		5.6	90° 40'	-6.7	-11.7		2181.4	Bm	-451	364	246,100	2,787,245
68	660		180° 00' (217° 43')		8.3	90° 30'	-5.8	-14.1		2179.0		-522	-404	246,023	2,787,211
69	990		" " (" ")		10.3	90° 30'	-8.6	-18.9		2174.2		-793	606	245,762	2,787,009
70	1320		" " (" ")		8.7	90° 40'	-15.3	-24.0		2169.1		-1044	808	245,501	2,786,807
71	1650		" " (" ")		8.2	90° 40'	-19.1	-27.3		2165.8		-1305	1009	245,240	2,786,606
72	1980		180° 32' 46"		8.9	90° 40'	-23.0	-31.9		2161.2	TP	-1554	-1226	244,996	2,786,385
72	1980		(218° 16' 04")		9.0	269° 20'	-23.0	-32.0			TP	+5	-4		
66			0° 00' 00"												
72	0				+ 5.3	Mi		+ 5.3	2166.5		π	0	0	244,996	2,786,385
73	330		185° 22' (223° 38')		7.3	90° 20'	-1.9	-9.2		2157.3		-239	228	244,757	2,786,157
74	660		186° 27' (224° 43')		9.1	90° 20'	-3.8	-12.9		2153.6		-469	464	244,527	2,785,921
75	986		188° 50' (227° 06')		10.1	90° 20'	-5.7	-15.8		2150.7		-671	722	244,325	2,785,663
76	1311		191° 44' (230° 00')		10.8	90° 20'	-7.6	-18.4		2148.1		-843	1004	244,153	2,785,381
77	1638		193° 40' 12"		11.0	90° 20'	-9.5	-20.5			TP	-1010	-1290	243,991	2,785,091
77	1638		(231° 56' 16")		10.9	269° 40'	-9.5	-20.4		2146.1	TP	+5	-4		
72			0° 00' 00"												
77	0				+ 5.3	Mi		+ 5.3	2151.4		π	0	0	243,991	2,785,091

BM 246,100 X - 2787,245
BM Horizy +41 EL 2182.0
CORR. X -41'

through trees

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1-5-83		B. Cotcamp		D. Hamilton		6834		K.H./D.S.		9		8			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Depth Valley		Shoshone-15'		CALIF.		INYO								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
									2151.4						
78	330		187° 17' (239° 13')		8.6	-		-8.6		2142.8		169	284	243,822	2,784,807
79	660		" " " "		9.4	BM	-3.3	-12.7		2138.7		338	567	243,653	2,784,524
80	990		" " " "		10.8	BM	-5.0	-15.8		2135.6		507	851	243,484	2,784,240
81	1320		" " " "		12.6	BM	-6.6	-19.2		2132.2		676	1134	243,315	2,783,957
82	1650		187° 17' (239° 13')		9.2	90° 30'	-14.3	-23.5		2127.9		844	1418	243,147	2,783,673
83	1980		" " " "		10.9	90° 30'	-17.2	-28.1		2123.3		1013	1701	242,978	2,783,390
84	2310		" " " "		12.0	90° 30'	-20.0	-32.0		2119.4		1182	1985	242,809	2,783,106
BM	2444		187° 37' 56" (239° 34' 12")		14.2	90° 24'	-16.9	-31.1		2120.3	BM	-1238	-2107	242,753	2,782,984
85	2640		187° 17' (239° 13')		6.1	90° 40'	-30.6	-36.7		2114.7		1351	2268	242,640	2,782,823
86	2970		" " " "		6.1	90° 40'	-34.4	-40.5		2110.9		1520	2552	242,471	2,782,539
87	3300		" " " "		5.9	90° 40'	-38.2	-44.1		2107.3		1689	2835	242,302	2,782,256
88	3630		" " " "		6.2	90° 40'	-42.0	-48.2		2103.2		1858	3119	242,133	2,781,972
88	3959		187° 17' 54"		10.7	90° 34'	-38.8	-49.5		2102.1	TP	-2025	-3402	241,971	2,781,685
89	3959		(239° 14' 10")		10.4	269° 26'	-38.8	-49.2	-49.3		TP	75	-4		
77			0° 00' 00"												
89	0				+5.3	Hi		+5.3	2107.4		TP	0	0	241,971	2,781,685
90	330		180° 00' (239° 14')		7.0	-		-7.0		2100.4		169	284	241,802	2,781,401
91	660		" " " "		8.9	-		-8.9		2098.5		338	567	241,633	2,781,118
92	990		" " " "		9.9	-		-9.9		2097.5		506	851	241,465	2,780,834

y=242,720 x=2783,010
EL. 2120.0

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1-5-83		B. Cotcamp		P. Hamilton		6834		0.4/2.5		9		9				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Death Valley		SHOSHONE-15'		CALIF.		INYO								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	X
									2107.4							
93	1320		180° 00' (239° 14')		10.8	-		-10.8		2096.6		675	7134	241,296	2780,551	
1/4	1436		179° 28' 54" (238° 43' 04")		9.8	-		-9.8		2097.6	1/4	-746	-1227	241,225	2780,458	Key-ROAD NORTH
94	1650		180° 33' (239° 47')		8.3	-		-8.3		2099.1		830	7426	241,141	2,780,259	
95	1980		181° 22' (240° 36')		6.3	-		-6.3		2101.1		972	7725	240,999	2,779,960	
96	2310		181° 57' (241° 11')		10.0	89° 50'	+6.8	-3.2		2104.2		7113	2024	240,858	2,779,661	
97	2640		182° 15' (241° 29')		6.6	89° 50'	+7.8	+1.2		2108.6		7260	2320	240,711	2,779,365	
98	2970		182° 32' (241° 46')		11.1	89° 40'	+17.5	+6.4		2113.8		7405	2617	240,566	2,779,068	
99	3300		182° 45' (241° 59')		8.2	89° 40'	+19.4	+11.2		2118.6		7550	2913	240,421	2,778,772	
100	3630		182° 55' (242° 09')		5.9	89° 40'	+21.4	+15.5		2122.9		7696	3210	240,275	2,778,475	
Bm	3767		183° 18' 01"		14.6	89° 30'	+33.2	+18.6		2126.3	TP	-1737	-3342	240,240	2,778,340	u.s.c + G.S Bm EL. 2127.0
Bm	3767		(242° 32' 11")		14.1	270° 30'	+33.2	+19.1	+18.9		TP	+6	-3			Q 682 - 1943 Horiz 4.521 CORR. V-15
K1	US. C + G.S. Bm		Q-682 1943 ELEVATION							2127.0	K1					CORRECTED SUNSHOT
89			0° 00' 00" (62° 53' 14")													AZIMUTH @ THIS
Bm	0				+4.5	Hi		+4.5		2131.5	X	0	0	240,240	2,778,340	Bm
101	194		176° 34' (239° 27')		6.3	89° -	+3.4	-2.9		2128.6		99	767	240,141	2,778,173	
102	524		179° 09' (242° 02')		10.6	89° -	+9.2	-1.4		2130.1		246	463	239,994	2,777,877	
103	853		180° 15' (243° 08')		15.3	88° 50'	+17.4	+2.1		2133.6		385	761	239,855	2,777,579	
104	1180		181° 36' (244° 29')		18.9	88° 54'	+22.7	+3.8		2135.3		508	7065	239,732	2,777,275	
105	1506		183° 39' (246° 32')		9.0	89° 20'	+17.6	+8.6		2140.1		600	7381	239,640	2,776,959	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
1-5-83		B. Cotcamp		D. Hamilton		6834		D.H./D.S.		9		10							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Depth Valley		Shoshone-15'		CALIF.		Inyo								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				
									2131.5										
106	1835		185° 10' 51"		9.3	89° 20'	+21.4	+12.1	212.3	2143.8	TP	-685	-1702	239,554	2,776,637				
106	1835		(248° 04' 05")		9.0	270° 40'	+21.4	+12.4		TP									
Bm			0° 00' 00"																
106	0				+5.25	Hi		+5.3	2149.1		TP	0	0	239,554	2,776,637				
107	330		186° 45' (254° 49')		7.0	89° -	+5.8	-1.2		2147.9		86	318	239,468	2,776,319				
108	660		" " " "		8.9	89° -	+11.5	+2.6		2151.7		173	637	239,381	2,776,000				
109	990		" " " "		11.1	89° -	+17.3	+6.2		2155.3		259	955	239,295	2,775,682				
95 ^{LINE}	1219		184° 20' 39" (252° 25' 04")		11.8	89° -	+21.3	+9.5		2158.6	LINE TIP	368	7162	239,186	2,775,475	STA. 95 LINE # 8 - EL. 2158.3			
110	1320		186° 45' (254° 49')		12.0	89° -	+23.1	+11.1		2160.2		346	1274	239,208	2,775,363				
111	1650		" " " "		10.0	89° -	+28.9	+18.9		2168.0		432	7592	239,122	2,775,045				
112	1980		" " " "		6.1	89° -	+34.6	+28.5		2177.6		519	7911	239,035	2,774,726				
113	2310		" " " "		9.0	88° 50'	+47.1	+38.1		2187.2		605	2229	238,949	2,774,408				
114	2392		186° 22' 29" (254° 26' 34")		7.9	88° 50'	+48.8	+40.9		2190.0		-641	-2304	238,913	2,774,333	y-238900 x-2,774,300 y-ROAD SOUTH HORIZ CORP.			
114	2640		186° 45' (254° 49')		11.3	88° 40'	+61.6	+50.3		2199.4		691	2548	238,863	2,774,089				
115	2970		" " " "		6.1	88° 40'	+69.3	+63.2		2212.3		778	2866	238,776	2,773,771				
116	3300		" " " "		10.3	88° 30'	+86.6	+76.3		2225.4		864	3185	238,690	2,778,452				
117	3630		" " " "		5.4	88° 30'	+95.3	+89.9		2239.0		951	3503	238,603	2,773,134				
118	3960		" " " "		11.8	88° 20'	+115.5	+103.7		2252.8		1037	3822	238,517	2,772,215				
119	4290		" " " "		5.3	88° 20'	+125.2	+119.9		2269.0		1124	4140	238,430	2,773,497				

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
1-5-83		B. Cotcamp		D. Hamilton		6834		D.H./D.S.		9	11						
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER									
Death Valley		Shoshone-15'	CALIF.	Inyo				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 +	EAST +	COORDINATES		REMARKS	
												SOUTH -	WEST -	Y	X		
									2149.1								
120	4620		186° 44' 41"		13.6	88° 10'	+148.2	+134.6	} +135.0	2284.1	TP	-1210	-4456	238,343	2,772,180		
120	4620		(254° 48' 46')		12.9	271° 50'	+148.2	+135.3		TP	-	-					
106			0° 00' 00"					+5.3'	} 2289.4								
120	0				+5.25	Hi		+5.25		TP	0	0	238,343	2,772,180			
121	330		180° 04' (254° 52')		7.0	86° 50'	+18.2	+11.2		2300.6		-86	-319	238,257	2,771,861		
122	660		" " " "		9.1	86° 50'	+36.5	+27.4		2316.8		-172	-637	238,171	2,771,543		
123	990		" " " "		9.0	86° 50'	+54.7	+45.7		2335.1		-258	-956	238,085	2,771,224		
124	1320		" " " "		11.7	86° 50'	+73.0	+61.3		2350.7		-345	-1274	237,998	2,770,906		
125	1650		180° 04' (254° 52')		8.8	86° 59'	+86.9	+78.1		2367.5		-431	-1593	237,912	2,770,587		
126	1980		" " " "		6.9	87° -	+103.7	+96.8		2386.2		-517	-1911	237,826	2,770,269		
127	2310		" " " "		6.2	87° -	+121.0	+114.8		2404.2		-603	-2230	237,740	2,769,950		
128	2640		" " " "		5.8	87° -	+138.3	+132.5		2421.9		-689	-2548	237,654	2,769,632		
129	2970		" " " "		7.0	87° -	+155.6	+148.6		2438.0		-775	-2867	237,568	2,769,313		
130	3301		" " " "		9.2	87° -	+173.0	+163.8		2453.2		-862	-3187	237,481	2,768,993		
131	3630		179° 44' 28"		12.1	86° 56'	+194.5	+182.4	} +182.7	2472.1	TP	-965	-3494	237,377	2,768,686		
131	3630		(254° 33' 14')		11.6	273° 04'	+194.5	+182.9		TP	-	-					
120			0° 00' 00"						} 2477.3								
131	0				+5.2	Hi		+5.2		TP	0	0	237,377	2,768,686			

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-5-83		B. Cotcamp		D. Hamilton		6834		D.S. / B.C.		9		12			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
DEATH VALLEY		SHOSHONE-15'		CALIF.		INYO								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
									2477.3						
132	330		160° 25' (234° 58')		6.4	87° -	+17.3	+10.9		2488.2		189	270	237,188	2,768,416
133	330 660		" " " "		8.7	87° -	+34.6	+25.9		2503.2		379	540	236,998	2,768,146
134	988		" " " "		10.2	87° -	+51.7	+41.5		2518.8		567	809	236,810	2,767,877
135	1319		159° 34' (234° 07')		11.9	87° -	+69.1	+57.2		2534.5		773	1069	236,604	2,767,617
136	1645		157° 25' (231° 58')		11.4	87° -	+86.1	+74.7		2552.0		1014	1296	236,362	2,767,390
137	1968		155° 26' (229° 59')		11.9	87° -	+103.1	+91.2		2568.5		1265	1507	236,112	2,767,179
138	2295		154° 07' (228° 40')		12.0	87° -	+120.2	+108.2		2585.5		1516	1723	235,861	2,766,963
139	2622		153° 07' (227° 40')		12.3	87° -	+137.4	+125.1		2602.4		1766	1938	235,611	2,766,748
140	2950		152° 22' (226° 55')		9.7	87° 04'	+151.1	+141.4		2618.7		2015	2155	235,362	2,766,531
141	3279		151° 45' 43"		12.7	87° -	+171.8	+159.1		2636.6	TP	-2262	-2368	235,114	2,766,318
141	3279		(226° 18' 57')		12.3	273° -	+171.8	+159.5	+159.3		TP	-			
131			0° 00' 00"												
141	0				+5.15	Hi.		+5.2	2641.8		TP	0	0	235,114	2,766,318
142	330		174° 03' (220° 22')		5.1	86° 40'	+19.2	+14.1		2655.9		251	214	234,863	2,766,104
143	660		173° 18' (219° 37')		8.8	86° 40'	+38.4	+29.6		2671.4		508	421	234,606	2,765,897
144	990		172° 44' (219° 03')		10.0	86° 40'	+57.6	+47.6		2689.4		769	624	234,345	2,765,694
145	1320		172° 27' (218° 46')		8.0	86° 40'	+76.8	+68.8		2710.6		1029	827	234,095	2,765,491
146	1650		171° 58' (218° 17')		6.9	86° 40'	+96.0	+89.1		2730.9		1295	1022	233,819	2,765,296
147	1980		171° 07' (217° 26')		8.9	86° 40'	+115.2	+106.3		2748.1		1572	1209	233,542	2,765,114

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
1-5-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		13			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		SMOSHONE-15'		CALIF.		Inyo								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
									2641.8						
148	2310		170° 38' 59"		7.7	86° 40'	+134.4	+126.7		2768.7	TP	-1843	-1387	233,269	2,764,931
148	2310		(216° 57' 56")		7.3	273° 20'	+134.4	+127.1	+126.9		TP	-2			
141			0° 00' 00"												
148	0				+5.15	Hi		+5.2		2773.9	X	0	0	233,269	2,764,931
149	330		174° 17' (211° 15')		5.2	86° 40'	+19.2	+14.0		2787.9		-292	-171	232,984	2,764,761
Bm	389		180° 26' 04" (217° 24')		5.8	86° 40'	+22.6	+16.8		2790.7	Bm	-309	-236	232,960	2,764,695
150	659		171° 17' (208° 15')		9.1	86° 20'	+42.2	+33.1		2807.0		581 ⁺³	312 ⁻¹	232,685	2,764,620
151	989		170° 12' (207° 10')		10.2	86° 20'	+63.3	+53.1		2827.0		880	752	232,386	2,764,480
152	1319		169° 42' (206° 40')		9.4	86° 30'	+80.6	+71.2		2845.1		1179	592	232,087	2,764,340
153	1649		169° 21' (206° 19')		11.6	86° 30'	+100.7	+89.1		2863.0		1478	731	231,788	2,764,201
154	1979		169° 14' (206° 12')		12.2	86° 30'	+120.9	+108.7		2882.6		1776	874	231,490	2,764,058
155	2309		169° 03' (206° 01')		12.6	86° 30'	+141.1	+128.5		2902.4		2075	1013	231,191	2,763,919
156	2639		168° 59' (205° 57')		11.0	86° 30'	+161.3	+150.3		2924.2		2373	1155	230,893	2,763,777
157	2969		168° 54' (205° 52')		8.9	86° 30'	+181.4	+172.5		2946.4		2622	1295	230,594	2,763,637
158	3298		169° 12' (206° 10')		6.1	86° 30'	+201.6	+195.5		2969.4		2960	1454	230,306	2,763,478
159	3629		169° 35' (206° 33')		8.0	86° 26'	+226.0	+218.0		2991.9		3246	1622	230,020	2,763,310
160	3957		169° 53' (206° 51')		8.0	86° 26'	+246.5	+238.5		3012.4		3530	1787	229,736	2,763,145
161	4287		170° 08' (207° 06')		11.6	86° 22'	+272.0	+260.4		3034.3		3816	1953	229,450	2,762,979

$y = 232,960$ $x = 2,764,695$
 Bm U.S.G. H.G.S. EL. 279.0
 Horiz. J - 6'
 CORR. X - 2'

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE								
1-5-83		B. Cotcamp		D. Hamilton		6834		D.H.		9	14								
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER											
Death Valley		SHOSHONE-15'	CALIF.	INYO				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				
									2773.9										
162	4617		170° 14' 18"		9.6	86° 24'	+290.3	+280.7	281.0	3054.9	TP	-4098	-2107	229,171	2,762,824				
162	4617		(207° 12' 14")		9.1	273° 36'	+290.3	+281.2		TP			+3	-1					
148			0° 00' 00"																
162	0				+5.35	Hi		+5.4	3060.3		X	0	0	229,171	2,762,824				
163	330		177° 21' (204° 33')		7.0	85° 30'	+25.9	+16.9		3077.2		300	137	228,871	2,762,687				
164	660		175° 20' (202° 32')		6.9	86° -	+46.0	+39.1		3099.4		610	253	228,561	2,762,571				
165	981		170° 09' 34"		6.5	86° -	+68.5	+62.0	3122.4		TP	-934	-292	228,240	2,762,531				
165	981		(197° 21' 48")		6.4	274° -	+68.5	+62.1		TP			+3	-1					
162			0° 00' 00"																
165	0				+5.05	Hi		+5.1	3127.5		X	0	0	228,240	2,762,531				
166	330		156° 30' (173° 52')		8.1	85° 30'	+25.9	+17.8		3145.3		328	+35	227,912	2,762,566				
167	660		154° 09' (171° 31')		11.6	85° 30'	+51.8	+40.2		3167.7		653	+97	227,587	2,762,628				
168	961		162° 06' 42"		8.5	85° 40'	+72.6	+64.1	3191.6		TP	-958	+9	227,285	2,762,539				
168	961		(179° 28' 30")		8.6	274° 20'	+72.6	+64.0		TP			+3	-1					
165			0° 00' 00"																
168	0				+5.15	Hi		+5.2	3196.8		X	0	0	227,285	2,762,539				

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-5-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		15			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Deer Valley		SHOSHONE-15		CALIF.		INYO								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
									3196.8						
169	330		198° 29' (197° 59')		5.8	85° 40'	+24.9	+19.1		3215.9		314	102	226,971	2,762,437
170	660		" " (197° 59')		6.5	85° 40'	+49.9	+43.4		3240.2		628	203	226,657	2,762,336
171	990		" " " "		7.1	85° 40'	+74.8	+67.7		3264.5		942	305	226,343	2,762,234
TPa	1240		201° 31' 11"		8.9	85° 40'	+93.7	+84.8		3281.6	TP	-1154	-443	226,134	2,762,095
TPa	1240		(200° 59' 41")		9.0	274° 20'	+93.7	+84.7			TP	13	-1		
168			0° 00' 00"												
TPa	0				+5.15	Mi		+5.2	3286.8		π	0	0	226,134	2,762,095
172	78		218° 07' (239° 07')		5.2	87° -	+4.1	-1.1		3285.7		40	67	226,094	2,762,028
TPb	160		227° 14' 51"		2.1	86° -	+11.2	+9.1		3295.9	TP	-59	-148	226,078	2,761,946
TPb	160		(248° 14' 38")		2.6	85° 56'	+11.6	+9.0			TP	13	-1		
TPa			0° 00' 00"												
TPb	0				+5.0	Mi		+5.0	3300.9		π	0	0	226,078	2,761,946
173	243		171° 17' (239° 32')		5.1	94° 40'	-19.8	-24.9		3276.0		723	209	225,955	2,761,737
174	573		161° 24' (229° 39')		6.2	94° 10'	-41.6	-47.8		3253.1		371	437	225,707	2,761,509
175	897		160° 18' (228° 23')		5.3	94° -	-62.6	-67.9		3233.0		656	738	225,422	2,761,208
TPc	1168		161° 03' 59"		4.7	93° 30'	-71.3	-76.0		3224.9	TP	-760	-884	225,321	2,761,061
TPc	1168		(229° 18' 37')		8.1	93° 20'	-67.9	-76.0			TP	13			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-7-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		16			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		SHOSHONE - 15'		CALIF.										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
TPB			0° 00' 00"							3224.9					
TPc	0				+4.8	Hi		+4.8	3229.7		π	0	0	225,321	2,761,061
176	79	78.98	230° 42' (280° 01')		14.4	91° 30'	2.1	16.5		3213.2		14	78	225,335	2,760,983
177	400	399.0	207° 41' (257° 00')		9.6	94° -	27.9	37.5		3192.2		90	390	225,231	2,760,671
178	721	719.2	200° 35' (249° 54')		7.6	94°	50.3	57.9		3171.8		248	677	225,073	2,760,384
179	1022		191° 49' 36"		11.3	93° 30'	62.4	73.7			TP	-492	-893	224,832	2,760,167
179	1022		(241° 08' 13")		14.2	93° 20'	59.4	73.6		3156.1	TP	+3	-1		
TPc			0° 00' 00"												
179	0				+5.25	Hi		+5.3	3161.4		π	0	0	224,832	2,760,167
186	330	329.7	148° 57' (210° 05')		6.5	90° 20'	73.4	79.9		3141.5		286	765	224,546	2,760,002
181	660	659.5	" " " "		8.0	90° 20'	26.9	34.9		3126.5		571	331	224,261	2,759,836
182	990	989.2	" " " "		8.2	90° 20'	40.3	48.5		3112.9		857	496	223,975	2,759,671
183	1320	1318.9	" " " "		8.0	92° 20'	53.7	61.7		3099.7		1142	662	223,690	2,759,505
71	1381		148° 28' 12" (209° 35' 25")		8.0	92° 20'	56.2	64.2		3097.2	71	120	682	223,631	2,759,485
184	1649	1647.6	149° 11' (210° 19')		10.0	92° 20'	67.1	77.1		3084.3		1424	832	223,408	2,759,335
TPo	1866		148° 23' 42"		10.0	92° 20'	75.9	85.9		3075.5	TP	-1622	-919	223,213	2,759,247
TPo	1866		(209° 31' 53")		10.1	261° 40'	75.9	86.0			TP	+3	-1		

3-223,585 X-2,759,475
Trail South

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-7-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		17			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
DEATH VALLEY		SHOSHONE-15'		CALIF.		Inyo								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
179			0° 00' 00"							3075.5					
TPD	0				+5.0	Hi		+5.0	3080.5		X	0	0	223,213	2,759,247
185	124		205° 41' (235° 3')		5.0	93° 40'	7.9	72.9		3067.6		71	102	223,142	2,759,145
186	451		193° 04' (222° 36')		9.8	92° 30'	7.97	29.5		3051.0		332	305	222,881	2,758,942
187	780		193° 06' (222° 38')		7.0	92° 30'	34.0	41.0		3039.5		574	528	222,639	2,758,719
188	1110		194° 22' (223° 54')		7.7	92° 30'	48.4	56.1		3024.4		800	770	222,413	2,758,477
TFE	1256		193° 35' 23"		8.2	92° 30'	54.8	63.0		3017.5	TP	-916	-858	222,300	2,758,388
TFE	1256		(223° 07' 18")		8.2	267° 30'	54.8	63.0			TP	+3			
TPD			0° 00' 00"												
TFE	0				+5.25	Hi		+5.3	3022.8		X	0	0	222,300	2,758,388
189	189		195° 14' (238° 21')		6.8	93° -	9.9	16.7		3006.1		99	161	222,201	2,758,227
190	516		189° 18' (232° 25')		10.7	93° -	27.0	37.7		2985.1		314	410	221,986	2,757,978
191	846		187° 53' (231° 06')		10.6	93° 20'	49.2	59.2		2963.6		532	657	221,768	2,757,731
192	1175		188° 33' (231° 40')		6.0	93° 20'	68.3	74.3		2948.5		729	922	221,571	2,757,466
193	1501		190° 54' (234° 01')		7.2	93° -	78.5	85.7		2937.1		882	1215	221,418	2,757,173
TFE	1683		190° 47' 28"		4.0	93° -	88.0	92.0			TP	-990	-1358	221,313	2,757,029
TFE	1683		(233° 54' 46")		3.9	267° -	88.0	91.9		2930.9	TP	+3			

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-7-83		B. Cotcamp		D. Hamilton		6834		R.H.		9		18			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		SHOSHONE-15'		CALIF.		Inyo								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
TPe			0° 00' 00"							2936.9	X	0	0		
TPF	0				+ 5.15	Hi		+ 5.2	2936.1		X	0	0	221,313	2,757,029
194	161		209° 04' (262° 59')		9.7	91° -	- 2.8	- 12.5	2923.6		X	- 20	- 160	221,293	2,756,869
195	481		194° 47' (248° 42')		8.1	92° 40'	- 22.4	- 30.5	2905.6		X	- 175	- 448	221,138	2,756,581
196	808		189° 41' (243° 36')		8.5	93° -	- 42.3	- 50.8	2885.3		X	- 359	- 724	220,954	2,756,305
197	1138		188° 04' (241° 59')		6.6	93° -	- 59.5	- 66.1	2870.0		X	- 535	- 1005	220,778	2,756,024
198	1468		187° 30' 35" (241° 45' 21")		7.0	93° -	- 76.8	- 83.8	2852.3		TP	- 695	- 1293	220,621	2,755,735
198	1468				7.0	267° -	- 76.8	- 83.8			TP	+ 3	- 1		
TPF			0° 00' 00"												
198	0				+ 5.15	Hi		+ 5.2	2857.5		X	0	0	220,621	2,755,735
199	330		186° 44' (248° 29')		7.0	92° 40'	- 15.4	- 22.4	2835.1		X	- 121	- 307	220,500	2,755,428
200	660		" " "		9.9	92° 40'	- 30.7	- 40.6	2816.9		X	- 242	- 614	220,379	2,755,121
201	990		" " "		6.2	93° -	- 51.8	- 58.0	2799.5		X	- 363	- 921	220,258	2,754,814
202	1320		" " "		6.6	93° -	- 69.0	- 75.6	2781.9		X	- 484	- 1228	220,137	2,754,507
203	1650		" " "		7.2	93° -	- 86.3	- 93.5	2764.0		X	- 605	- 1535	220,016	2,754,200
204	1980		186° 47' 12" (248° 32' 33")		10.9	92° 50'	- 97.8	- 108.7	2748.8		TP	- 723	- 1841	219,901	2,753,893
204	1980				10.9	267° 10'	- 97.8	- 108.7			TP	+ 3	- 1		

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-7-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		19			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Depth Valley		SHOSHONE-15'		CALIF.		INYO								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
198			0° 00' 00"							2748.8					
204	0				+5.35	H.i.		+5.4	2754.2		X	0	0	219,901	2,753,893
205	330		187° 54' (256° 27')		6.0	92° 30'	14.4	20.4		2733.8		77	321	219,824	2,753,572
206	660		189° 53' (258° 26')		7.4	92° 30'	28.8	36.2		2718.0		132	647	219,769	2,753,246
207	989		190° 28' (259° 51')		8.3	92° 30'	43.1	51.4		2702.8		188	971	219,713	2,752,922
208	1329		190° 50' (259° 23')		9.0	92° 30'	57.9	66.9		2687.3		245	1306	219,656	2,752,587
209	1648		191° 04' 37"		9.4	92° 30'	71.8	81.2			TP	-297	-1619	219,607	2,752,273
209	1648		(259° 37' 10")		9.3	261° 30'	71.8	81.1		2673.1	TP	+3	-1		
204			0° 00' 00"												
209	0				+5.1	H.i.		+5.1	2678.2		X	0	0	219,607	2,752,273
210	330		184° 13' (263° 50')		4.1	92° 20'	73.4	77.5		2660.7		35	328	219,572	2,751,945
211	658		188° 09' (267° 46')		6.3	92° 20'	26.8	33.1		2645.1		26	658	219,581	2,751,615
212	985		189° 38' (269° 15')		9.0	92° 20'	40.1	49.1		2629.1		13	985	219,594	2,751,288
Bm	1206		194° 49' 56" (279° 27' 06")		13.0	92° 20'	49.1	62.1		2616.1	Bm	94	1202	219,701	2,751,071
213	1317		190° 19' (269° 58')		7.1	92° 30'	57.4	64.5		2613.7		2	1317	219,605	2,750,956
214	1647		190° 46' (270° 23')		10.1	92° 30'	71.8	81.9		2596.3		71	1647	219,618	2,750,626
215	1977		191° 06' (270° 43')		7.2	92° 40'	91.9	99.1		2579.1		+25	1977	219,632	2,750,296
216	2306		191° 20' (270° 57')		8.9	92° 40'	107.2	116.1		2562.1		+38	2306	219,645	2,749,967

219,700 x 2,751,070
U.S.C.T.C.S. Bm EL. 2617.0
4-682 1943

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-7-83		B. Cotcamp		D. Hamilton		6834		D.H.		RD		20			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		SHOSHONE-15'		CALIF.		INYO								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
									2678.2						
217	2641		191° 27' 37"		10.4	92° 40'	-122.7	-133.1	-132.2	2545.0	TP	+50	-2638	219,660	2,749,634
217	2641		(271° 04' 47")		10.7	267° 20'	-122.7	-133.4		TP	+3	-1			
209			0° 00' 00"												
217	0				+5.15	H.I.		+5.2	2550.2		X	0	0	219,660	2,749,634
218	330		176° 56' (268° 01')		5.2	92° 40'	-15.4	-20.5		2529.7		-11	-330	219,649	2,749,304
219	660		" " " "		6.1	92° 40'	-30.7	-36.8		2513.4		-23	-660	219,637	2,748,974
220	990		" " " "		7.1	92° 40'	-46.0	-53.1		2497.1		-34	-989	219,626	2,748,645
221	1320		" " " "		8.3	92° 40'	-61.4	-69.7		2480.5		-46	-1319	219,614	2,748,315
222	1650		176° 56' (268° 01')		10.0	92° 40'	-76.7	-86.7		2463.5		-57	-1649	219,603	2,747,985
223	1980		" " " "		10.2	92° 40'	-92.0	-102.2		2448.0		-69	-1979	219,591	2,747,655
224	2310		" " " "		11.0	92° 40'	-107.4	-118.4		2431.8		-80	-2309	219,580	2,747,325
225	2639		" " " "		9.8	92° 42'	-124.2	-134.0		2416.2		-91	-2637	219,569	2,746,997
226	2968		" " (268° 01')		8.1	92° 42'	-139.6	-147.7		2402.5		-103	-2966	219,557	2,746,668
227	3297		" " " "		6.3	92° 42'	-155.1	-161.4		2388.8		-114	-3295	219,546	2,746,339
228	3626		177° 10' 25"		11.9	92° 36'	-164.2	-176.1	-176.2	2374.0	TP	-110	-3621	219,553	2,746,012
228	3626		(268° 15' 12")		12.2	267° 24'	-164.2	-176.4		TP	+3	-1			
217			0° 00' 00"												
228	0				+5.3	H.I.		+5.3	2379.3		X	0	0	219,553	2,746,012

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-7-83		B. Cotcamp		D. Hamilton		6834		D.A.		9		21			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Depth Valley		SnoShane-15'		CALIF.		Inyo								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
									2379.3						
229	330		190° 20' (278° 35')		5.3	92° 40'	15.4	20.7		2358.6		+49	-326	219,602	2,745,686
230	660		" "		6.6	92° 40'	30.7	37.3		2342.0		+99	-653	219,652	2,745,359
231	990		" "		8.1	92° 40'	46.0	54.1		2325.2		+148	-980	219,701	2,745,032
232	1320		" "		8.9	92° 40'	61.4	70.3		2309.0		+197	-1305	219,756	2,744,707
233	1650		" "		9.1	92° 40'	76.7	85.8		2293.5		+246	-1632	219,799	2,744,380
234	1980		191° 11' (279° 26')		4.6	92° 50'	97.8	102.4		2276.9		+325	-1953	219,878	2,744,059
235	2308		191° 48' (280° 03')		4.9	92° 50'	114.0	118.9		2260.4		+403	-2277	219,956	2,743,735
236	2637		192° 26' (280° 41')		5.9	92° 50'	130.2	136.1		2243.2		+489	-2591	220,042	2,743,421
237	2966		192° 56' (281° 11')		6.2	92° 50'	146.4	152.6		2226.7		+575	-2910	220,128	2,743,102
238	3295		193° 46' (282° 01')		7.9	92° 50'	162.7	170.6		2208.7		+686	-3223	220,239	2,742,789
239	3621		194° 40' 06"		5.9	92° 50'	179.0	184.9			TP	+809	-3525	220,365	2,742,486
239	3621		(282° 55' 18")		5.8	262° 10'	179.0	184.8		2194.5	TP	+3	-1		ACROSS STATION.
228			0° 00' 00"												
239	0				+4.95	hi		+5.0	2199.5		TP	0	0	220,365	2,742,486
240	330		199° 08' (302° 03')		5.8	92° 20'	13.4	19.2		2180.3		+175	-280	220,540	2,742,206
241	660		196° 45' (299° 40')		9.0	92° 20'	26.9	35.9		2163.6		+327	-573	220,692	2,741,913
242	990		197° 17' (300° 12')		10.7	92° 20'	40.3	51.0		2148.5		+498	-856	220,863	2,741,630
243	1320		198° 14' (301° 09')		7.7	92° 30'	57.5	65.2		2134.3		+683	-1130	221,048	2,741,356
244	1650		198° 41' (301° 36')		11.4	92° 20'	67.1	78.5		2121.0		+865	-1405	221,230	2,741,081

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO	PAGE					
1-7-83		B. Cotcamp		D. Hamilton		6834		D.H.		9	22					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Death Valley		Shoshone-15'	CALIF.	INYO					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 Y X		REMARKS
									2199.5							
245	1979		198° 27' (301° 22')		11.2	92° 20'	80.5	91.7		2107.8		+1030	7690	221,395	2,740,796	
246	2302		196° 51' (299° 46')		11.0	92° 20'	93.6	704.6		2094.9		+1143	7998	221,508	2,740,488	
Bm	2589		194° 52' 02" (297° 47' 20")		8.7	92° 20'	-107.4	-114.0		2085.5	Bm	+1207	2290	221,572	2,740,196	221,565 x 2,740,310 U.S. G46.5 Bm. El. 2087.0 F. 682 1943
247	2614		194° 11' (297° 06')		8.8	92° 26'	710.8	719.6		2079.9		+1191	2327	221,556	2,740,159	
248	2920		191° 57' (297° 52')		8.6	92° 30'	727.2	735.8		2063.7		+1228	2649	221,593	2,739,837	
249	3234		189° 43' (292° 38')		7.7	92° 34'	-144.6	752.3		2047.2		+1245	2985	221,610	2,739,501	
250	3556		188° 28' 31"		9.1	92° 34'	-159.0	768.1		2031.2	TP	+1296	-3308	221,664	2,739,177	
250	3556		(291° 23' 49")		9.6	267° 26'	-159.0	768.6	-168.3		TP	+3				
239			0° 00' 00"													
250	0			+ 5.2	Hi			15.2	2036.4		TP	0	0	221,664	2,739,177	
251	330		168° 46' (280° 10')		4.4	92° 30'	-14.4	78.8		2017.6		+58	325	221,722	2,738,852	
252	660		" " " "		5.0	92° 30'	-28.8	33.8		2002.6		+117	650	221,781	2,738,527	
253	990		169° 22' (280° 46')		7.1	92° 30'	-43.2	50.3		1986.1		+185	973	221,849	2,738,204	
254	1320		169° 32' (280° 56')		8.2	92° 30'	-57.5	65.7		1970.7		+250	1296	221,914	2,737,881	
255	1650		169° 45' (281° 09')		9.9	92° 30'	-71.9	81.8		1954.6		+319	1619	221,983	2,737,558	
256	1980		169° 54' (281° 18')		8.7	92° 36'	-89.7	97.9		1938.5		+388	1942	222,052	2,737,235	
257	2310		170° 02' (281° 26')		10.4	92° 36'	-104.7	115.1		1921.3		+458	2264	222,122	2,736,913	
258	2640		" " " "		10.8	92° 36'	-119.6	130.4		1906.0		+523	2588	222,187	2,736,589	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-9-83		B. Cotcamp		D. Hamilton		6834		B.C.		9		23			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
178 Death Valley		Confidence Mills-15'		CALIF.		INYO								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 -	EAST + WEST -		Y
									2036.4						
259	2970		170° 08' 41"		8.7	92° 40'	-138.0	-146.7		1889.7	TP	+594	-2907	222,262	2,736,267
259	2970		(281° 32' 30')		8.8	267° 20'	-138.0	-146.8			TP	+4	-3		
250			0° 00' 00"												
259	0				+5.3	Mi		+5.3	1895.0		T	0	0	222,262	2,736,267
260	330		180° 29' (282° 02')		5.4	92° 40'	-15.4	-20.8		1874.2		+69	-323	222,331	2,735,944
261	660		" " " "		7.0	92° 40'	-30.7	-37.7		1857.3		+138	-646	222,400	2,735,621
262	990		" " " "		8.7	92° 40'	-46.0	-54.7		1840.3		+206	-968	222,468	2,735,299
263	1320		" " " "		8.9	92° 40'	-61.4	-70.3		1824.7		+275	-1291	222,537	2,734,976
Bm	1412		180° 52' 41" (282° 25' 11")		8.0	92° 40'	-65.7	-73.7		1821.3	Bm	+303	-1377	222,510	2,734,885
TP	1506		180° 31' 47"		8.9	92° 40'	-70.0	-78.9		1817.8	TP	+315	-1471	222,513	
TP	1506		(282° 04' 17')		4.6	92° 50'	-74.4	-79.0		1817.8	TP	+4	-2		
										1817.8	T	CORRECTED ELEVATION	UNADJUSTED COORDINATES		
259			0° 00' 00"												
TP	0				+4.95	Mi		+5.0	1822.8		T	0	0	222,513	2,734,814
264	146		183° 21' (285° 25')		6.0	92° -	-5.1	-11.1		1811.7		+39	-141	222,552	2,734,673
265	476		184° 55' (286° 59')		8.3	92° 10'	-18.0	-26.3		1796.5		+139	-455	222,652	2,734,359
266	805		185° 02' (287° 06')		10.9	92° 10'	-30.4	-41.3		1781.5		+232	-769	222,750	2,734,045
267	1134		183° 52' (285° 56')		10.0	92° 20'	-46.1	-56.1		1766.7		+311	-1090	222,824	2,733,724
TP	1326		181° 35' (283° 39' 17")		10.8	92° 20'	-53.9	-64.7		1758.1		+313	-1289	222,826	2,733,525

y-222,510 x-2,734,885
U.S.C + G.S Bm EL 1823.0
Horiz - y +62'
corr. x - 24'

y-222,505 x-2,734,910
U.S.C + G.S Bm EL 1823.0

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
1-9-83		B. Cotnam		D. Hamilton		6834		DH		9		24			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Confidence Hills-15'		CALIF.		INYO								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
									1822.8						
268	1457		180° 53' (292° 57')		11.7	92° 20'	59.3	71.0		1751.8		+327	1420	222,840	2,733,394
269	1782		178° 25' (280° 29')		7.3	92° 34'	79.7	82.0		1735.8		+324	1752	222,837	2,733,062
270	2106		176° 40' (278° 44')		9.6	92° 30'	91.8	101.4		1721.4		+320	2082	222,833	2,732,732
271	2433		175° 37' (277° 41')		11.2	92° 30'	106.0	117.2		1705.6		+325	2411	222,838	2,732,403
272	2763		175° 39' (277° 43')		12.0	92° 30'	120.4	132.4		1690.4		+371	2738	222,884	2,732,076
273	3093	3088.7	175° 51' 52"		8.1	92° 36'	-140.1	-148.2		1674.4	TP	+427	-3060	222,936	2,731,752
273	3093		(271° 56' 05")		8.4	267° 24'	-140.1	-148.5	-148.4		TP	-4	-2		
TP			0° 00' 00"												
273	0				+ 5.3	H.		+5.3	1679.7		TP	0	0	222,936	2,731,752
274	330		182° 29' (280° 25')		6.3	92° 40'	75.4	21.7		1658.0		+60	325	222,996	2,731,427
275	660		" " " "		7.9	92° 40'	30.7	38.6		1641.1		+119	649	223,055	2,731,103
276	990		" " " "		8.8	92° 40'	46.0	54.8		1624.9		+179	974	223,115	2,730,778
277	1320		" " " "		9.4	92° 40'	61.4	70.8		1608.9		+240	1298	223,176	2,730,454
278	1650		181° 56' (279° 52')		7.8	92° 40'	76.7	84.5		1595.2		+283	1626	223,219	2,730,126
279	1980		181° 16' (279° 12')		7.7	92° 40'	92.0	99.7		1580.0		+317	1955	223,253	2,729,797
BM	2031		182° 08' 43" (280° 04' 52")		3.2	92° 40'	-94.5	-97.6		1582.1	BM	+356	2000	223,292	2,729,752
280	2309		180° 46' (278° 42')		8.9	92° 40'	107.3	116.2		1563.5		+349	2282	223,285	2,729,490
281	2638		180° 26' (278° 22')		7.1	92° 40'	122.6	129.7		1550.0		+384	2610	223,320	2,729,142

4.S. 66.5 Bm El. 1582.0
D-682 1943

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-9-83		B. Cotcamp		D. Hamilton		6834		DH		9		25			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		CONFIDENCE Hills-15'		CALIF.		INYO								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
									1679.7						
282	2966		179° 28' (277° 24')		6.5	92° 46'	137.8	144.3		1535.4		+382	-2941	223,318	2,728,811
283	3282		177° 45' (275° 41')		9.0	92° 46'	152.5	161.5		1518.2		+325	-3266	223,261	2,728,486
284	3596		176° 08' (274° 04')		8.9	92° 44'	171.2	180.1		1499.6		+255	-3587	223,191	2,728,165
285	3915		174° 47' (272° 43')		10.7	92° 46'	188.7	199.4		1480.3		+186	-3911	223,122	2,727,841
286	4234		173° 39' (271° 35')		10.8	92° 46'	204.0	214.8		1464.9		+117	-4232	223,053	2,727,520
287	4558		172° 44' 43"		10.0	92° 46'	-219.6	-229.6		1450.0	TP	+54	-4552	222,986	2,727,198
287	4558		(270° 40' 52")		10.3	267° 14'	-219.6	-229.9	-229.73		TP	-4	-2		
273			0° 00' 00"												
287	0				+5.1	Hi		+5.1	1455.1		X	0	0	222,986	2,727,198
288	333		155° 25' (246° 06')		7.9	92° 40'	15.5	23.4		1431.7		-135	-304	222,851	2,726,894
289	662		151° 48' (242° 29')		7.4	93° -	34.6	42.0		1413.1		-306	-587	222,680	2,726,611
290	976		145° 01' (235° 42')		10.8	93° -	51.1	61.9		1393.2		-550	-806	222,436	2,726,392
TP	1189		140° 56' 13"		12.2	93° -	-62.2	-74.4		1380.7	TP	-737	-931	222,246	2,726,265
TP	1189		(231° 37' 05")		12.3	267° -	-62.2	-74.5			TP	-3	-2		
			35' 17"												
287			0° 00' 00"												
TP	0				+5.15	Hi		+5.15	1385.9		X	0	0	222,246	2,726,265
291	105		163° 16' (214° 53')		5.7	92° 50'	5.2	10.9		1375.0		-86	-60	222,160	2,726,205

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-9-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		26			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Dark Valley		Confidence Hills-15'		CALIF.		Inyo								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 -	EAST + WEST -		Y
									1385.9						
292	436		160° 47' (212° 24')		6.9	92° 50'	21.5	28.4		1357.5		-368	234	221,878	2,726,031
293	764		158° 56' (210° 33')		6.9	92° 50'	37.8	44.7		1341.2		658	388	221,588	2,725,877
294	1094		158° 24' (210° 01')		6.0	92° 50'	54.1	60.1		1325.8		947	547	221,299	2,725,718
295	1425		159° 08' (210° 45')		8.9	92° 40'	66.3	75.2		1310.7		1225	729	221,021	2,725,536
296	1753		160° 10' (211° 47')		10.0	92° 40'	81.5	91.5		1294.4		1490	923	220,756	2,725,342
297	2079		161° 34' (213° 11')		11.8	92° 40'	96.6	108.4		1277.5		1740	1138	220,506	2,725,127
298	2408		162° 40' (214° 17')		10.0	92° 44'	114.7	124.7		1261.2		1990	1356	220,256	2,724,909
299	2734		163° 22' (214° 59')		11.3	92° 44'	130.2	141.5		1244.4		2240	1568	220,006	2,724,697
300	3065		163° 56' 35"		12.2	92° 44'	-146.0	-158.2		1227.6	TP	-2491	-1780	219,752	2,724,483
300	3065		(215° 33' 40")		12.5	267° 16'	146.0	-158.5	-158.5		TP	-3	-2		
TP ₁			0° 00' 00"												
300	0			+	5.2	Hi		45.2	1232.8		TP	0	0	219,752	2,724,483
301	330		184° 54' (220° 28')		6.6	92° 50'	16.3	22.9		1209.9		251	214	219,501	2,724,269
302	660		" " "		8.3	92° 50'	32.6	40.9		1191.9		502	428	219,250	2,724,055
303	990		" " "		9.9	92° 50'	48.9	58.8		1174.0		753	643	218,999	2,723,840
304	1319		184° 24' (219° 58')		11.1	92° 50'	65.2	76.3		1156.5		1011	847	218,741	2,723,636
305	1643		182° 19' (217° 53')		9.3	93° -	85.9	95.2		1137.6		1297	1009	218,455	2,723,474
306	1957		185° 33' (221° 07')		7.0	93° 10'	108.0	115.0		1117.8		1474	1287	218,278	2,723,196

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-9-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		27			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Dark Valley		Confidence Hills-15'		CALIF.		Inyo								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
									1232.8						
307	2233		190° 20' (225° 54')		12.1	93°	116.8	128.9		1103.9		1554	1604	218,198	2,722,879
308	2543		192° 31' (228° 05')		10.7	92° 54'	128.5	139.2		1093.6		1699	1892	218,053	2,722,59
TP ₂	2192		192° 00' 48"		12.0	92° 52'	-139.5	-151.5		1081.3	TP	-1881	-2058	217,868	2,722,423
TP ₂	2192		(227° 34' 28")		12.1	267° 08'	-139.5	-151.6			TP	-3	-2		
300			0° 00' 00"					+5.2'							
TP ₂	0				+ 5.15	Hi		+5.15	1086.5		π	0	0	217,868	2,722,423
309	96		211° 02' (258° 36')		7.7	91°	1.7	9.4		1077.1		19	94	217,849	2,722,329
310	421		195° 06' (242° 40')		11.2	91° 10'	-8.6	19.8		1066.7		193	374	217,675	2,722,049
311	750		194° 03' (241° 37')		10.0	91° 10'	-15.3	25.3		1061.2		357	660	217,511	2,721,763
312	1077		196° 46' (244° 20')		7.9	91°	-18.8	26.7		1059.8		466	971	217,402	2,721,452
Bm	1227		196° 58' 23" (244° 31' 51")		7.3	91°	-21.4	-28.7		1057.8	Bm	527	1108	217,341	2,721,315
3+3 TP ₂	1402		199° 59' 36"		7.7	90° 50'	-20.4	-28.1		1058.4	TP	-535	-1296	217,330	2,721,125
TP ₃	1402		(247° 34' 03")		7.7	269° 10'	-20.4	-28.1			TP	-3	-2		
TP ₂			0° 00' 00"												
TP ₃	0				+ 4.95	Hi		+5.0	1063.4		π	0	0	217,330	2,721,125
313	28		290° 12' (357° 46')		5.9	89° 10'	+0.4	3.5		1057.9		+28	-1	217,358	2,721,124
314	333		220° 16' (287° 50')		10.2	89° 20'	+3.9	6.3		1057.1		+102	317	217,432	2,720,808

B-682 1945
U.S.C+G.S. B.M. EL. 10580

ACROSS

ROAD

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-9-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		28			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Confidence Hills-15'		CALIF.		Inyo								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
									1063.4						
315	660		225° 06' (292° 46')		10.0	88° 50'	+134	+3.4		1066.8		+254	709	217,584	2,720,516
316	990		226° 27' (294° 01')		11.1	87° 40'	+40.3	+29.2		1092.6		+403	904	217,733	2,720,221
317	1318		228° 02' (295° 36')		6.5	87° 40'	+53.7	+47.2		1110.6		+569	7189	217,899	2,719,936
318	1649		228° 24' (295° 58')		11.2	87° 30'	+72.0	+60.8		1124.2		+722	7483	218,052	2,719,692
319	1978		228° 50' (296° 24')		9.0	87° 40'	+80.6	+71.6		1135.0		+879	7772	218,209	2,719,353
320	2308		228° 58' (296° 32')		8.0	87° 30'	+100.8	+92.8		1156.2		+1031	2065	218,361	2,719,060
321	2638		229° 38' (297° 12')		10.5	87° 20'	+122.9	+112.4		1175.8		+1206	2346	218,536	2,718,779
322	2963		230° 51' (298° 25')		11.2	87° 14'	+143.2	+132.0		1195.4		+1410	2606	218,740	2,718,519
323	3276		232° 48' (300° 22')		10.4	87° 08'	+164.1	+153.7		1217.1		+1656	2827	218,986	2,718,298
324	3590		232° 04' 22"		12.8	87° -	+188.2	+175.4			TP	+1773	3116	219,100	2,718,007
324	3596		(299° 38' 25")		12.7	273° -	+188.2	+175.5		1238.9	TP	-3	-2		
TP3			0° 00' 00"												
324	0				+ 5.25	Hi		+5.3	1244.2		TP	0	0	219,100	2,718,007
325	330		149° 07' (268° 45')		9.0	84° -	+34.5	+25.5		1269.7		-7	330	219,093	2,717,677
326	654		141° 46' (261° 24')		12.1	83° 30'	+74.0	+61.9		1306.1		-98	647	219,002	2,717,360
TP4	741		142° 24' 26"		6.4	83° 30'	+83.9	+77.5		1321.7	TP	702	729	218,995	2,717,276
TP4	741		(162° 02' 51")		6.5	276° 30'	+83.9	+77.4			TP	-3	-2		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-9-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		29			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Confidence Hills-15'		CALIF.		Inyo								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
324			0° 00' 00"							1321.7					
TP4	0				+ 4.95	Hi		+5.0	1326.7		X	0	0	219,995	2,717,276
327	235		266° 37' (288° 40')		10.3	93°	72.3	22.6		1304.1		+75	223	219,070	2,717,053
328	565		204° 40' (286° 43')		12.0	93° 24'	33.5	45.5		1281.2		+163	541	219,158	2,716,735
TP5	584		201° 50' 54"		9.0	93° 30'	-35.7	-44.6		1282.1	TP	+140	566	219,132	2,716,709
TP5	584		(283° 53' 45")		9.0	266° 30'	-35.7	-44.6			TP	-3	-1		
TP4			0° 00' 00"												
TP5	0				+ 5.0	Hi		+5.0	1287.1		X	0	0	219,132	2,716,709
329	322		209° 57' (313° 51')		6.5	93° 10'	77.8	24.3		1262.8		+223	232	219,355	2,716,477
Bm	470		197° 15' 19" (201° 09' 04")		6.4	93° 10'	-26.0	-32.4		1254.7	Bm	+243	402	219,375	2,716,307
330	637		197° 54' (301° 48')		6.0	93° 20'	37.0	43.0		1244.1		+336	541	219,468	2,716,168
331	960		192° 28' (296° 22')		8.3	93° 20'	55.8	64.1		1223.0		+426	860	219,558	2,715,849
332	1284		189° 52' (293° 46')		9.7	93° 20'	74.6	84.3		1202.8		+517	1175	219,649	2,715,534
333	1611		188° 06' (292° 00')		9.7	93° 20'	93.6	103.3		1183.8		+603	1494	219,735	2,715,215
334	1928		185° 03' 06"		8.7	93° 20'	-112.0	-120.7		1166.4	TP	+625	1820	219,754	2,714,888
334	1928		(288° 56' 51")		8.8	266° 40'	-112.0	-120.8			TP	-3	-1		
TP5			0° 00' 00"												
334	0				+ 5.25	Hi		+5.3	1171.7		X	0	0	219,754	2,714,888

A-682 1943
4.S.C+G.S Bm El. 1255.0

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-9-83		B. Cotcamp		D. Hamilton		6834		DA		9		30			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Confidence Hills-15		CALIF.		Inyo								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
									1171.7						
335	330		157° 10' (266° 07')		6.9	92° 40'	15.4	22.3		1149.4		22	329	219,732	2,714,559
336	660		" " "		9.2	92° 40'	30.7	39.9		1131.8		45	658	219,709	2,714,230
337	990		" " "		8.7	92° 40'	46.0	54.7		1117.0		67	988	219,687	2,713,900
338	1320		" " "		8.2	92° 40'	61.4	69.6		1102.1		89	1317	219,665	2,713,571
339	1650		156° 46' (265° 43')		10.2	92° 40'	76.7	86.9		1084.8		123	7645	219,631	2,713,243
340	1980		156° 13' (265° 10')		8.2	92° 50'	97.8	106.0		1065.7		167	1973	219,587	2,712,915
341	2309		155° 30' (264° 27')		10.4	92° 50'	114.0	124.4		1047.3	TP	223	2298	219,531	2,712,590
341 TP	2360		155° 27' 25"		11.0	92° 50'	-116.5	-127.5		1044.1	TP	230	2346	219,521	2,712,541
TP	2360		(264° 24' 16")		11.3	267° 10'	-116.5	-127.8	127.45		TP	-3	-1		
334			0° 00' 00"												
TP	0				+ 4.95	Hi		+5.0	1049.1		X	0	0	219,521	2,712,541
342	280		166° 00' (250° 24')		5.3	93° -	14.7	20.0		1029.1		94	264	219,427	2,712,277
343	607		161° 30' (245° 54')		6.3	93° -	31.8	38.1		1011.0		248	554	219,273	2,711,987
344	931		166° 05' (250° 28')		5.8	93° -	48.7	54.5		994.6		311	878	219,210	2,711,163
345	1245		171° 22' (255° 46')		6.9	93° -	65.1	72.0		977.1		306	1207	219,215	2,711,334
WOOD POST	1368		173° 26' 02" (257° 50' 18")		7.6	93° -	-71.6	-79.2		969.9	Bm	288	1337	219,233	2,711,204
346	1563		174° 57' (259° 21')		8.1	93° -	-81.8	-89.9		959.2		289	1536	219,232	2,711,005
347	1887		177° 16' (261° 40')		11.3	93° -	-98.7	-110.0		939.1		273	1867	219,248	2,710,674

WITNESS POST EL. 971.0
NO Bm

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
1-9-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		31							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Depth Valley		Confidence Hills - 15'		CALIF.		San Jo								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				
									1049.1										
348	2208		179° 33' (263° 51')		7.1	93° 10'	-121.9	-129.0		920.1		-233	-2196	219,288	2,710,345				
349	2524		181° 47' (266° 11')		7.6	93° 10'	-139.3	-146.9		902.2		-168	-2518	219,353	2,710,023				
350	2840		183° 38' (268° 02')		8.2	93° 10'	-156.7	-164.9		884.2		-97	-2838	219,424	2,709,703				
351	3166		184° 48' (269° 12')		9.0	93° 10'	-174.7	-183.7		865.4		-44	-3166	219,477	2,709,375				
352	3493		185° 26' (269° 50')		8.1	93° 10'	-192.7	-200.8		848.3		-10	-3493	219,511	2,709,048				
353	3823		185° 57' (270° 21')		7.8	93° 10'	-210.9	-218.7		830.4		+23	-3823	219,544	2,708,718				
TP ₇	3979		185° 58' 40"		11.9	93° 06'	-215.2	-226.8		822.1	TP	+27	-3973	219,545	2,708,567				
TP ₇	3979		(270° 22' 56")		12.3	266° 54'	-215.2	-227.2	221.03		TP	-3	-1						
TP ₆			0° 00' 00"																
TP ₇	0				+4.95	Hi		+5.0	827.1		π	0	0	219,545	2,708,567				
354	168		157° 37' (248° 00')		5.7	94° 30'	-13.2	-18.9		808.2		-63	-156	219,482	2,708,911				
355	497		151° 38' (242° 01')		8.8	93° 30'	-30.3	-37.1		788.0		-233	-439	219,312	2,708,128				
356	827		151° 06' (241° 29')		9.3	93° 30'	-50.5	-59.8		767.3		-395	-727	219,150	2,707,840				
357	1157		151° 19' (241° 42')		9.5	93° 30'	-70.6	-80.1		747.0		-549	-1019	218,996	2,707,548				
358	1486		152° 35' (242° 58')		8.4	93° 30'	-90.7	-99.1		728.0		-675	-1324	218,870	2,707,243				
359	1815		153° 34' (243° 57')		6.7	93° 30'	-110.7	-117.4		709.7		-797	-1631	218,748	2,706,936				
360	2145		154° 01' (244° 24')		6.8	93° 30'	-130.9	-137.7		689.4		-927	-1934	218,618	2,706,633				
361	2474		154° 29' (244° 52')		7.0	93° 24'	-146.6	-153.6		673.5		-1051	-2240	218,494	2,706,327				

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

GEO-445

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1-9-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		32				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Death Valley		Confidence Hills-15'		CALIF.		Inyo								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 Y X		REMARKS
									827.1							
Bm	2729		155° 00' 12" (245° 23' 08")		6.4	93° 18'	-156.9	-163.3		663.8	Bm					y-681 1943 USC+GS Bm EL. 664.0
362	2803		154° 49' (245° 21')		8.3	93° 18'	161.2	169.5		657.6		-1176	-2545	218,369	2,706,022	
363	3133		154° 58' (245° 21')		8.0	93° 18'	180.1	188.1		639.0		-1307	-2848	218,238	2,705,719	
364	3462		154° 56' 05"		7.4	93° 18'	-199.0	-206.4		620.5	TP	-1443	-3140	218,099	2,705,426	
364	3462		(245° 19' 01")		7.9	266° 42'	-199.0	-206.9	206.5		TP	-3	-1			
TP ₁			0° 00' 00"													
364	0				+ 5.2	Hi		+5.2	625.7		X	0	0	218,099	2,705,426	
365	336		178° 09' (243° 28')		4.9	93° 10'	18.2	23.1		602.6		-147	-295	217,952	2,705,131	
366	660		" " " "		6.3	93° 10'	36.4	42.7		583.0		-295	-590	217,804	2,704,836	
367	990		" " " "		9.7	93° 10'	54.7	64.4		561.3		-442	-886	217,657	2,704,540	
368	1320		" " " "		10.2	93° 10'	72.9	83.1		542.6		-590	-1181	217,509	2,704,245	
369	1650		" " " "		6.5	93° 10'	91.1	97.6		528.1		-737	-1476	217,362	2,703,950	
370	1982		178° 18' 52"		6.4	93° 10'	-109.4	-115.8		509.9	TP	-879	-1773	217,217	2,703,652	
370	1982		(243° 37' 53")		6.5	266° 50'	-109.4	-115.9			TP	-3	-1			
364			0° 00' 00"													
370	0				+ 5.4	Hi		+5.4	515.3		X	0	0	217,217	2,703,652	
371	330		190° 23' (254° 01')		9.0	92° 30'	14.4	23.4		491.9		-91	-317	217,126	2,703,335	

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-9-83		B. Cotcamp		D. Hamilton		6834		R.H.		9		33			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Confidence Hill-15		CALIF.		INYO								L.O. Dquis	
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
									515.3						
372	659		193° 18' (256° 56')		11.0	92° 50'	-32.6	-43.6		471.7		-149	-642	217,068	2,703,010
373	979		198° 28' (262° 06')		10.0	92° 34'	-43.8	-53.8		461.5		-135	-970	217,082	2,702,682
374	1306		201° 12' (264° 50')		9.3	92° 10'	-49.3	-58.6		456.7		-118	-1301	217,099	2,702,351
375	1633		202° 56' (266° 34')		8.4	91° 50'	-52.2	-60.6		454.7		-98	-1630	217,119	2,702,022
376	1947		206° 07' (269° 45')		10.1	91° 30'	-50.9	-61.0		454.3		-9	-1947	217,208	2,701,705
377	2251		209° 26' 08"		11.8	91° 20'	-52.3	-64.1	} 64.2	451.1	TP	+120	-2247	217,334	2,701,404
377	2251		(273° 04' 01")		12.1	268° 40'	-52.3	-64.4		TP			-3	-1	
370			0° 00' 00"												
377	0				+ 5.25	41.1		+ 5.3	} 456.4		X	0	0	217,334	2,701,404
378	330		195° 39' (288° 43')		5.6	91° 30'	-8.6	-14.2			442.2		+106	-313	217,440
Bm	313		202° 49' 12"		1.6	91° 30'	-8.2	-9.8	} 446.6		TP	+137	-282	217,468	2,701,121
Bm	313		(295° 53' 13")		1.6	268° 30'	-8.2	-9.8				TP	-3	-1	

U.S.C+GS Bm EL 447.0
X-681 1943

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

GEO-445

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
1-12-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		34		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Death Valley		Confidence Hills-13		CALIF		INYO						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.	
K1														
377			0° 00' 00"							446.6				
Bm	0				+ 3.85	Hi		+3.9	450.5		X	0	0	217,468 2,701,121
379	365		146° 27' (262° 20')		7.1	92° 40'	-17.0	-24.1		426.4		-49	-362	217,419 2,700,759
380	694		148° 52' (264° 45')		6.4	92° 40'	-32.3	-38.7		411.8		-64	-691	217,404 2,700,430
381	1024		149° 41' 28"		8.2	92° 40'	-47.6	-55.8		394.5	TP	-79	-1020	217,386 2,700,100
381	1024		(265° 34' 41")		8.6	261° 20'	-47.6	-56.2	56.0		TP	-3	-1	
Bm			0° 00' 00"											
381	0				+ 5.05	Hi		+5.1	399.6		X	0	0	217,386 2,700,100
382	330		182° 08' (267° 43')		5.2	93° 30'	-20.1	-25.3		374.3		-13	-330	217,373 2,699,770
383	660		" " " "		8.2	93° 30'	-40.3	-48.5		351.1		-26	-659	217,360 2,699,441
384	990		" " " "		9.5	93° 30'	-60.4	-69.9		329.7		-39	-989	217,347 2,699,111
385	1320		" " " "		9.2	93° 30'	-80.5	-89.7		309.9		-53	-1319	217,333 2,698,781
386	1641		179° 57' 47"		7.7	93° 30'	-100.1	-107.8			TP	-127	-1633	217,256 2,698,466
386	1641		(265° 32' 28")		7.6	266° 30'	-100.1	-107.7		291.9	TP	-3	-1	
381			0° 00' 00"											
386	0				+ 5.15	Hi		+5.2	297.1		X	0	0	217,256 2,698,466
387	330		160° 45' (246° 15')		4.9	93° -	-17.3	-22.2		274.9		-133	-302	217,123 2,698,164

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-12-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		35			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Confidence Hills - 15'		CALIF.		Inyo								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
									297.1						
388	660		162° 04' (247° 36')		6.7	93° -	-34.5	-41.2		255.9		-252	-610	217,004	2,697,856
389	984		165° 45' (251° 17')		7.0	93° -	-51.5	-58.5		238.6		-316	-932	216,940	2,697,534
390	1313		167° 28' (253° 00')		7.2	92° 56'	-64.9	-72.1		225.0		-384	-1256	216,872	2,697,210
391	1619		163° 48' (249° 20')		9.7	92° 40'	-75.3	-85.0		212.1		-571	-1515	216,685	2,696,951
392	1917		159° 02' (244° 34')		9.7	92° 48'	-93.6	-103.3		193.8		-823	-1731	216,433	2,696,735
393	2223		155° 40' (241° 12')		5.9	93° -	-116.2	-122.1		175.0		-1071	-1948	216,185	2,696,518
Bm	2316		155° 32' 54" (241° 05' 22")		5.3	93° -	-121.1	-126.4		170.7	Bm	-1118	-2025	216,138	2,696,441
394	2538		153° 15' (238° 47')		10.0	93° -	-132.7	-142.7		154.4		-1315	-2171	215,941	2,696,295
395	2853		151° 06' (236° 38')		11.1	93° -	-149.1	-160.2		136.9		-1569	-2383	215,687	2,696,083
396	3180		150° 09' (235° 41')		12.6	93° -	-166.2	-178.8		118.3		-1793	-2626	215,463	2,695,840
397	3510		150° 09' 19"		13.7	93° 02'	-185.5	-199.2			TP	-1975	-2895	215,278	2,695,570
399	3510		(235° 41' 47")		13.6	266° 58'	-185.5	-199.1		98.0	TP	-3	-1		STATION
386			0° 00' 00"					+5.0							
397	0				4.95	Hi		+4.95	103.0		X	0	0	215,278	2,695,570
398	331		187° 43' (243° 25')		6.6	92° 40'	-15.4	-22.0		81.0		-148	-296	215,130	2,695,274
399	661		185° 41' (241° 23')		8.8	92° 46'	-30.7	-39.5		63.5		-317	-580	214,961	2,694,990
400	991		185° 29' (241° 11')		11.5	92° 40'	-46.1	-57.6		45.4		-478	-868	214,800	2,694,702
Δ	1333		184° 55' 19" (240° 37' 06")		7.3	92° 50'	-65.9	-73.2		298	Δ	-653	-1160	214,622	2,694,710
401	1314		188° 29' (244° 11')		9.6	92° 58'	-64.9	-74.5		28.5		-572 ⁻³	7183	214,706	2,694,387

u-681 1943
U.S. C+G.S. Bm EL. 171.0

y=214,622 x=2,694,410
u.s.c.g.s.
Δ-Bm 5-672 EL. 30.6
Horiz corr. y=-66'
x=-27'

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-12-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		36			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Confidence Hills-15'		CALIF.		INYO								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
			Plates to Grids						103.0						
402	1457		192° 11' 50" (247° 53' 37")		8.3	92° 50'	-72.0	-80.3		22.7		548	7350	214,730	2,694,220
402	1547		197° 40' (253° 22')		7.5	92° 50'	-76.4	-83.9		19.1		443	7482	214,835	2,694,088
403	1760		206° 23' (262° 05')		11.2	92° 30'	-76.7	-87.9		15.1		242	7743	215,036	2,693,827
404	2010		213° 03' (268° 45')		9.4	92° 20'	-81.8	-91.2		11.8		44	2010	215,234	2,693,560
405	2276		218° 15' (273° 57')		8.8	92° 14'	-88.6	-97.4		5.6		157	2271	215,435	2,693,299
406	2558		222° 14' 05" (277° 55' 52')		6.7	92° 14'	-99.5	-106.2		-3.1	TP	+353	2532	215,619	2,693,039
406	2558				6.4	267° 46'	-99.5	-105.9	-106.13		TP	-12	+1		
397			0° 00' 00"												
406	0				+5.25	41		+53	+2.2		X	0	0	215,619	2,693,039
407	330		209° 01' (307° 03')		6.2	91° 0'	-5.8	-12.0		-9.8		+199	263	215,818	2,692,776
408	660		" " " "		9.4	91° 0'	-11.5	-20.9		-18.7		+398	327	216,017	2,692,512
409	990		" " " "		12.0	91° 0'	-17.3	-29.3		-27.1		+596	790	216,215	2,692,249
410	1320		" " " "		6.7	91° 30'	-34.5	-41.2		-39.0		+795	1054	216,414	2,691,985
411	1650		209° 01' (307° 03')		9.2	91° 30'	-43.1	-52.3		-50.1		+994	1317	216,613	2,691,722
412	1980		" " " "		9.8	91° 30'	-51.7	-61.5		-59.3		+1193	1580	216,812	2,691,459
413	2310		" " " "		9.1	91° 30'	-60.4	-69.5		-67.3		+1392	1844	217,011	2,691,195
414	2640		" " " "		11.3	91° 30'	-69.0	-80.3		-78.1		+1591	2107	217,210	2,690,932
415	2970		" " " "		11.0	91° 30'	-77.6	-88.6		-86.4		+1789	2370	217,408	2,690,669
416	3300		" " " "		8.0	91° 30'	-86.2	-94.2		-92.0		+1988	2634	217,607	2,690,405

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
1-12-83		B. Cotcamp		D. Hamilton		6834		D.H.		9	37					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
Death Valley		Confidence Hills-15'		CALIF.		Inyo					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	NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.	COORDINATES Y X		REMARKS
			plates to (grids)						2.2							
417	3630		209° 07' (307° 02')		6.0	91° 30'	-94.8	-100.8		-98.6		+2187	-2897	217,806	2,690,142	
418	3960		209° 29' (307° 25')		9.0	91° 24'	-96.4	-105.4		-103.2		+2406	-3145	218,025	2,689,894	
419	4288		210° 11' (308° 07')		10.9	91° 20'	-99.4	-110.3		-108.1		+2647	-3374	218,266	2,689,665	
420	4617		210° 33' 53"		9.7	91° 20'	-107.0	-116.7		-114.4	TP	+2873	-3613	218,480	2,689,427	ACROSS
420	4617		(308° 29' 45")		9.6	268° 40'	-107.0	-116.6	x		TP	-12	+1			STA.
406			0° 00' 00"													
420	0				+4.95	Hi		+15.0	-109.4		TP	0	0	218,480	2,689,427	
Bm	591		136° 07' 48" (264° 37' 33")		5.3	91° 40'	-17.2	-22.5		-131.9	Bm	-55	-588	218,425	2,688,839	U-681 194* 4.5 C+G.S Bm EL. -132.0 Y-218,390 X-2,688,920
421	331		197° 08' (325° 38")		8.0	90° 30'	-2.9	-10.9		-120.3		+223	-787	218,753	2,689,240	
422	661		" " "		8.7	90° 30'	-5.8	-14.5		-123.9		+546	-373	219,026	2,689,054	+6' -83'
423	991		" " "		9.9	90° 10'	-2.9	-12.8		-122.2		+818	-359	219,298	2,688,868	
424	1321		197° 30' (326° 00')		5.0	90° 10'	-3.8	-8.8		-118.2		+1095	-739	219,575	2,688,688	
425	1651		" " "		13.2	89° 40'	+9.7	-3.5		-112.9		+1369	-923	219,849	2,688,504	
426	1981		" " "		11.0	89° 40'	+11.6	+0.6		-108.8		+1642	-7108	220,122	2,688,319	
427	2311		" " "		7.0	89° 40'	+13.6	+6.6		-102.8		+1916	-7292	220,396	2,688,135	
428	2641		197° 30' (326° 00')		11.0	89° 30'	+23.2	+12.2		-97.2		+2187	-7477	220,669	2,687,950	
429	2971		" " "		9.0	89° 30'	+26.1	+17.1		-92.3		+2463	-7661	220,943	2,687,766	
430	3301		" " "		7.4	89° 30'	+29.0	+21.6		-87.8		+2737	-7846	221,217	2,687,581	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-12-83		B. Cotcamp		D. Hamilton		6834		0.1		AD		38			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Confidence Hills-15		CALIF.		Inyo								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
			Plates → (9 grids)						-109.4						
431	3631		197° 30' (326° 00')		7.8	89° 30'	+ 32.0	+ 24.2		-85.2		+3010	-2030	221,490	2,687,397
432	3961		" " "		6.8	89° 30'	+ 34.9	+ 28.1		-81.3		+3284	-2215	221,764	2,687,212
433	4291		197° 10' (325° 40')		7.1	89° 30'	+ 37.8	+ 30.7		-78.7		+3543	-2420	222,023	2,687,007
434	4539		196° 30' 08" (324° 59' 53")		7.8	89° 30'	+ 40.0	+ 32.2		-77.2	TP	+3718	-2603	222,198	2,686,924
434	4616		196° 27' 06" (324° 56' 51")		8.3	89° 30'	+ 40.7	+ 32.4		-76.8	TP	+3779	-2651	222,247	2,686,777
434	4616				8.0	270° 30'	+ 40.7	+ 32.7	326.5		TP	-12	+1		
420			0° 00' 00"												
434	0				+ 4.95	Hi		+ 5.0	-71.8		X	0	0	222,247	2,686,777
435	330		165° 14' (310° 11')		12.2	89° 52'	+ 0.8	-11.4		-83.2		+213	-252	222,460	2,686,525
436	660		" " "		11.9	89° 50'	+ 1.9	-10.0		-81.8		+426	-304	222,673	2,686,273
437	990		" " "		11.3	89° 40'	+ 5.8	-5.5		-77.3		+639	-756	222,886	2,686,021
438	1320		" " "		10.3	89° 40'	+ 7.7	-2.6		-74.4		+852	-1008	223,099	2,685,769
439	1650		165° 14' (310° 11')		6.4	89° 40'	+ 9.7	+ 3.3		-68.5		+1065	-1261	223,312	2,685,516
440	1980		" " "		9.4	89° 30'	+ 17.4	+ 8.0		-63.8		+1278	-1513	223,525	2,685,264
441	2310		" " "		6.8	89° 30'	+ 20.3	+ 13.5		-58.3		+1490	-1765	223,737	2,685,012
442	2640		" " "		6.5	89° 30'	+ 23.2	+ 16.7		-55.1		+1703	-2017	223,950	2,684,760
443	2970		" " "		9.0	89° 30'	+ 26.1	+ 17.1		-54.7		+1916	-2269	224,163	2,684,508
444	3300		165° 14' (310° 11')		10.1	89° 24'	+ 34.8	+ 24.7		-47.1		+2129	-2521	224,376	2,684,256
445	3630		" " "		7.6	89° 30'	+ 31.9	+ 24.3		-47.5		+2342	-2773	224,589	2,684,004

y=222,195 x=2,686,870
4-way INTER.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-12-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		39			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Depth Valley		Confidence-Hills-13		CALIF.		INYO								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
			plates to (grids)						-71.8						
446	3960		165° 14' (310° 11')		7.2	89° 30'	+34.9	+27.7		-44.1		+2555	3025	224,802	2,683,752
447	4290		" " " "		4.8	89° 30'	+37.8	+33.0		-38.8		+2768	3277	225,015	2,683,500
448	4620		" " " "		10.4	89° 24'	+48.8	+38.4		-33.4		+2981	3530	225,228	2,683,247
449	4950		" " " "		8.4	89° 24'	+52.3	+43.9		-27.9		+3194	3782	225,441	2,682,995
450	5280		" " " "		8.9	89° 24'	+55.9	+47.0		-24.8		+3407	4034	225,654	2,682,743
451	5612		165° 13' 35"		8.6	89° 24'	+59.4	+50.8		-20.5	TP	+3620	4288	225,855	2,682,490
451	5612		(310° 10' 26")		7.6	270° 36'	+59.4	+51.8	+51.3		TP	-12	"		
434			0° 00' 00"												
451	0				+5.05	41'		+5.1	-15.4		X	0	0	225,855	2,682,490
452	330		180° 07' (310° 11')		5.5	TH	+1.7	-3.8		-19.2		+213	252	226,069	2,682,238
453	660		" " " "		9.0	-		-9.0		-24.4		+427	503	226,292	2,681,987
454	990		" " " "		9.7	-		-9.7		-25.1		+640	755	226,495	2,681,735
455	1320		" " " "		10.5	-		-10.5		-25.9		+853	7007	226,708	2,681,483
456	1650		180° 07' (310° 17')		10.5	-		-10.5		-25.9		+1067	7259	226,922	2,681,231
457	1980		" " " "		3.5	BM	-9.9	-13.4		-28.8		+1280	7510	227,135	2,680,980
458	2310		" " " "		7.1	BM	-11.6	-18.7		-34.1		+1494	7762	227,349	2,680,728
459	2641		180° 06' 34"		8.8	90° 10'	-7.5	-16.3		-31.5	TP	+1708	2015	227,551	2,680,476
459	2641		(310° 17' 00")		8.5	269° 50'	-7.5	-16.0	-16.1		TP	-12	"		

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-12-83		B. Cotcamp		D. Hamilton		6834		D.W.		9		40			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Confidence Hills-15'		CALIF.		INYO								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
			plates to grids)												
451			0 00 00							-31.5					
459	0			+5.2	Hi			+5.2	-26.3		T	0	0	227,551	2,680,476
460	330		180° 01' (310° 18')		6.0	90° 50'	-4.8	-10.8		-37.1		+213	252	227,782	2,680,224
461	660		" " " "		8.9	90° 50'	-9.6	-18.5		-44.8		+427	503	227,978	2,679,973
462	924		176° 00' (306° 17')		9.3	91° -	-16.1	-25.4		-51.7		+547	745	228,098	2,679,731
463	1051		158° 26' 14"		11.5	91° 46'	-30.5	-42.0		-68.2	TP	+337	995	227,876	2,679,482
463	1051		(288° 43' 14")		11.3	268° 20'	-30.5	-41.8	-41.8		TP	-12	+1		
459			0° 00 00"												
463	0			+4.9	Hi			+4.9	-63.3		T	0	0	227,876	2,679,482
464	329		134° 44' (243° 27')		5.7	93° -	-17.2	-22.9		-86.2		177	294	227,729	2,679,188
465	657		140° 14' (248° 57')		5.1	93° -	-34.4	-39.5		-102.8		236	613	227,640	2,678,869
466	967		148° 19' (257° 22')		5.9	93° -	-50.6	-56.5		-119.8		217	942	227,659	2,678,540
467	1282		153° 15' (261° 58')		5.3	93° -	-67.1	-72.4		-135.7		179	1269	227,697	2,678,213
468	1595		157° 12' (265° 55')		7.7	92° 50'	-78.8	-86.5		-149.8		114	1591	227,762	2,677,891
469	1922		158° 37' (267° 20')		5.6	92° 50'	-94.9	-100.5		-163.8		89	1920	227,787	2,677,562
470	2247		159° 21' (268° 10')		7.9	92° 40'	-104.4	-112.3		-175.6		72	2246	227,804	2,677,236
471	2555		156° 44' (265° 27')		5.5	92° 40'	-118.7	-124.2		-187.5		203	2547	227,673	2,676,935
472	2870		154° 34' 53"		7.1	92° 30'	-125.0	-132.1		-195.1	TP	334	2848	227,530	2,676,634
472	2870		(263° 18' 07")		6.6	267° 30'	-125.0	-131.6	-131.6		TP	-12			

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

GEO-445

DATE 1-12-83 INSTRUMENT MAN B. Gotcamp ROD MAN D. Hamilton PARTY NUMBER 6834 NOTES CHECKED BY [Signature] LINE NO. 9 PAGE 41

AREA Death Valley TOPO MAP Confidence Hills-15 STATE CALIF. COUNTY Inyo 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.	
463			plate to (grid) 0 00 00							-195.1				
472	0			+	4.95	41		+5.0	-190.1		X	0	0	227,530 2,676,634
473	330		173° 24' (256° 42')		10.1	89° 30'	+ 2.9	-7.2		-197.3		76	321	227,454 2,674,313
474	660		175° 31' (258° 49')		12.6	89° 30'	+ 5.8	-6.8		-196.9		128	677	227,402 2,675,987
475	990		176° 23' (259° 41')		11.3	89° 40'	+ 5.8	-5.5		-195.6		177	974	227,353 2,675,660
476	1320		176° 35' (259° 53')		11.4	89° 40'	+ 7.7	-3.7		-193.8		232	1299	227,298 2,675,335
477	1650		176° 44' (260° 02')		11.7	89° 40'	+ 9.7	-2.0		-192.1		286	1625	227,244 2,675,009
478	1979		176° 37' (259° 55')		10.0	89° 40'	+ 11.6	+ 1.6		-188.5		346	1948	227,184 2,674,626
479	2259		179° 57' (263° 15')		10.4	89° 40'	+ 13.2	+ 2.8		-187.3		266	2243	227,264 2,674,341
480	2491		185° 39' (268° 57')		6.0	89° 50'	+ 7.4	+ 1.4		-188.7		46	2491	227,484 2,674,143
481	2741		190° 21' (273° 39')		6.8	89° 50'	+ 8.1	+ 1.3		-188.8		175	2735	227,705 2,673,899
482	3007		194° 13' (277° 31')		7.9	89° 50'	+ 8.9	+ 1.0		-189.1		393	2981	227,923 2,673,653
483	3285		197° 29' (280° 47')		8.9	89° 50'	+ 9.8	+ 0.9		-189.2		615	3227	228,145 2,673,407
484	3572		200° 11' (283° 29')		11.0	89° 50'	+ 10.7	-0.3		-190.4		833	3474	228,363 2,673,160
485	3860		202° 41' 29"		11.8	89° 50'	+ 11.5	-0.3		-190.0	TP	1064	3711	228,582 2,672,924
485	3860		(285° 59' 36")		11.0	270° 10'	+ 11.5	+ 0.5	+0.15		TP	-12	11	
472			0° 00' 00"											
485	0			+	4.85	41		+4.9	-185.1		X	0	0	228,582 2,672,929

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-12-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		42			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Confidence Hills-15'		CALIF.		Inyo								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
			plates to grids						-185.1						
486	330		203° 53' (309° 53')		6.2	TH	+1.7	-4.5		-189.6		+212	253	228,794	2672,671
487	660		204° 14' (310° 14')		6.9	TH	+3.3	-3.6		-188.7		+226	504	229,008	2672,420
488	990		202° 33' (308° 32')		6.0	-		-6.0		-191.1		+617	774	229,199	2,672,150
TP ₁	1067		202° 39' 35"		6.8	-		-6.8		-191.9	TP	+666	833	229,248	2,672,092
TP ₁	1067		(303° 39' 11")		12.2	TH	+5.3	-6.9			TP		"		
485			0° 00' 00"												
TP ₁	0				+5.05	M		+5.1		-186.8	X	0	0	229,248	2,672,092
489	255		171° 08' (299° 42')		9.0	-		-9.0		-195.8		+126	222	229,374	2,671,870
490	585		173° 01' (301° 40')		10.9	BH	-2.9	-13.8		-200.6		+307	498	229,555	2,671,594
491	915		173° 33' (302° 12')		11.0	BH	-4.6	-15.6		-202.4		+488	774	229,736	2,671,318
Bm	929		170° 26' 29" (299° 05' 40')		13.5	-		-13.5		-200.3	Bm	+452	812	229,700	2,671,280
492	1245		173° 52' (302° 31')		11.1	-		-11.1		-197.9		+669	1050	229,917	2,671,042
493	1574		174° 27' 53"		5.0	-		-5.0		-191.8	TP	+859	1319	230,105	2,670,772
493	1574		(303° 03' 39")		12.8	TH	+7.9	-4.9			TP	-2	-1		
TP ₁			0° 00' 00"												
493	0				+4.9	M		+4.9		-186.9	X	0	0	230,105	2,670,772
494	330		176° 09' (299° 13')		7.7	-		-7.7		-194.6		+161	288	230,266	2,670,484

~~Y=229,700 X=2671,280~~
 U.S. CGS Bm EL. 2000
 Horiz CORR. Y=-96'
 X=+8'
 CORRECTED GRID
 Azimuth @ this
 TP by method
 of altitude of the sun.

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-13-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		43			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Confidence Hills-15'		CALIF.		Inyo								L. D. Quis	
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
			plates to grids						-186.9						
495	660		178° 27' (301° 31')		7.4	-		-7.4		-194.3	315	563	230,450	2,670,209	
496	990		" " " "		9.3	-		-9.3		-196.2	518	844	230,623	2,669,928	
497	1319		180° 02' (303° 06')		12.4	-		-12.4		-199.3	720	1105	230,825	2,669,667	
498	1647		181° 45' (304° 49')		10.3	90° 10'	-4.7	-15.0		-201.9	940	7352	231,045	2,669,420	
499	1970		184° 16' (307° 20')		11.2	90° 10'	-5.7	-16.9		-203.8	1195	7566	231,300	2,669,206	
500	2290		186° 10' (309° 14')		9.0	90° 16'	-10.6	-19.6		-206.5	1478	1774	231,553	2,668,998	
501	2611		187° 50' 24"		6.4	90° 20'	-15.0	-21.4		-208.3	TP	1710	1973	231,813	2,668,798
501	2611		(310° 54' 03")		6.3	289° 40'	-15.0	-21.3			TP	-2	-1		
493			0° 00' 00"												
501	0				+5.1	Hi		+5.1		-203.2	X	0	0	231,813	2,668,798
502	330		190° 42' (321° 36')		6.4	90° 10'	-1.0	-7.4		-210.6		+259	-205	232,072	2,668,593
503	660		" " " "		7.8	90° 10'	-1.9	-9.7		-212.9		+517	-410	232,330	2,668,388
504	990		" " " "		8.8	90° 10'	-2.9	-11.7		-214.9		+776	-615	232,589	2,668,183
505	1320		" " " "		9.6	90° 10'	-3.8	-13.4		-216.6		+1034	-820	232,847	2,667,978
506	1650		190° 42' (321° 36')		9.1	90° 10'	-4.7	-13.8		-217.0		+1293	-1025	233,106	2,667,773
507	1980		" " " "		9.5	90° 10'	-5.7	-15.2		-218.4		+1552	-1230	233,365	2,667,568
508	2310		" " " "		10.1	90° 10'	-6.6	-16.7		-219.9	⊕	+1810	-1435	233,623	2,667,363
71	2509		190° 20' 36" (321° 14' 39")		9.2	90° 10'	-7.2	-16.4		-219.6	71	+1957	-1571	233,770	2,667,227

233,710 X = 2,667,280
71 T-RO west.

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
1-13-83		B. Cotcamp		D. Hamilton		6834		D.P.A.		9	44					
AREA		TOPO MAP		STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER							
Death Valley		Confidence Hills-15'		CALIF.	Inyo				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 - LAT.	EAST + WEST - DEP.	COORDINATES Y X		REMARKS
			(PLATES → (grid))						-203.2							
509	2601		188° 22' (319° 16')		8.9	90° 10'	-7.4	-16.3		-219.5		+1971	-1697	233,784	2,667,101	
510	2814		183° 03' (313° 57')		6.4	90° 10'	-8.0	-14.4		-217.6		+1953	-2026	233,766	2,666,772	
511	3066		178° 48' 37"		8.3	90° 04'	-3.4	-11.7		-214.9	TP	+1959	-2359	233,770	2,666,438	
511	3066		(309° 42' 40")		8.2	269° 56'	-3.4	-11.6			TP	-2	-1			
501			0° 00' 00"													
511	0				+4.95	4'		+5.0	209.9		TP	0	0	233,770	2,666,438	*
512	330		136° 19' (266° 02')		6.8	89° 20'	+3.8	-3.0		-212.9		-23	-329	233,747	2,666,109	
513	660		" " " "		7.4	89° 20'	+7.7	+0.3		-209.6		-46	-658	233,724	2,665,780	
514	890		136° 58' (266° 41')		8.2	89° 20'	+11.5	+3.3		-206.6		-57	-988	233,713	2,665,450	
515	1320		137° 14' (266° 57')		7.7	89° 20'	+15.4	+7.7		-202.2		-70	-1318	233,700	2,665,120	
516	1650		137° 26' (267° 09')		9.0	89° 20'	+19.3	+10.3		-199.6		-82	-1648	233,688	2,664,790	
517	1841		137° 05' 43" (266° 48' 23")		9.9	89° 20'	+21.5	+11.6		-198.3	TP	-103	-1838	233,667	2,664,600	
517	1980		137° 34' (267° 17')		10.1	89° 20'	+23.1	+13.0		-196.9		-94	-1978	233,676	2,664,460	
518	2310		" " " "		9.6	89° 20'	+27.0	+17.4		-192.5		-109	-2307	233,661	2,664,131	
519	2640		" " " "		8.8	89° 20'	+30.9	+22.1		-187.8		-125	-2637	233,645	2,663,801	
520	2970		137° 37' (267° 20')		7.1	89° 20'	+34.7	+27.6		-182.3		-138	-2967	233,632	2,663,471	
521	3300		137° 37' 05"		10.4	89° 14'	+44.4	+34.0		-175.7	TP	-154	-3296	233,614	2,663,141	
521	3300		(267° 19' 45")		10.1	270° 46'	+44.4	+34.3	131.2		TP	-2	-1			

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

GEO-445

DATE 1-13-83 INSTRUMENT MAN B. Catcamp ROD MAN D. Hamilton PARTY NUMBER 6834 NOTES CHECKED BY D.A. LINE NO. 9 PAGE 45

AREA Death Valley TOPO MAP Wingate WASH - 15' STATE CALIF. COUNTY Inyo 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.	
										-175.7				
511			0° 00' 00"											
521	0		(PLATES → (gr. 10))	+	5.1	Hi		+5.1	170.6		π	0	0	233,614 2,663,141
522	330		180° 23' (267° 43')		6.7	88° 40'	+7.7	+1.0		169.6		-13	-330	233,601 2,662,811
523	660		" " " "		7.5	88° 40'	+15.4	+7.9		162.7		-26	-659	233,588 2,662,482
524	990		" " " "		7.7	88° 40'	+23.1	+15.4		155.2		-39	-989	233,575 2,662,152
525	1320		180° 23' (267° 43')		8.2	88° 40'	+30.8	+22.6		148.0		-53	-1319	233,561 2,661,822
526	1650		" " " "		8.3	88° 40'	+38.4	+30.1		140.5		-66	-1649	233,548 2,661,492
527	1980		" " " "		7.7	88° 40'	+46.2	+38.5		132.1		-79	-1978	233,535 2,661,163
528	2310		" " " "		7.1	88° 40'	+53.9	+46.8		123.8		-92	-2308	233,522 2,660,833
529	2640		" " " "		12.6	88° 40'	+69.3	+56.7		113.9		-105	-2638	233,509 2,660,503
530	2971		180° 19' 23"		10.8	88° 30'	+78.0	+67.2		103.2	TP	-122	-2967	233,490 2,660,173
530	2971		267° 35' 08"		10.9	211° 30'	+78.0	+67.5	+67.4		TP	-2	-1	
521			0° 00' 00"											
530	0			+	5.15	Hi		+5.2	98.0		π	0	0	233,490 2,660,173
531	330		180° 12' (267° 51')		7.2	88° -	+11.5	+4.3		93.7		-12	-330	233,478 2,659,843
532	660		" " " "		8.8	88° -	+23.0	+14.2		83.8		-25	-660	233,465 2,659,513
533	990		" " " "		10.2	88° -	+34.6	+24.4		73.6		-37	-989	233,453 2,659,184
534	1320		" " " "		11.6	88° -	+46.1	+34.5		63.5		-50	-1319	233,440 2,658,854
535	1650		" " " "		12.0	88° -	+57.6	+45.6		52.4		-62	-1649	233,428 2,658,524

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-13-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		46			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Wingate Wash - 15'		CALIF.		Inyo								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
			Plates → (9210)						-98.0						
536	1980		180° 12' (267° 51')		10.7	88° 04'	+66.9	+56.2		41.8		-74	-1979	233,416	2,658,194
537	2310		" " "		10.7	88° 04'	+78.0	+67.3		30.7		-87	-2308	233,403	2,657,865
538	2641		" " "		10.0	88° 04'	+89.2	+79.2		78.8		-99	-2639	233,391	2,657,534
X	2818		180° 16' 11" (267° 55' 15")		9.3	88° 04'	+95.2	+85.9		72.1					
539	2960		181° 33' 38"		9.3	88° 04'	+100.0	+90.7		-7.1	TP	-41	2958	233,448	2,657,214
539	2960		269° 12' 46"		8.9	271° 56'	+100.0	+91.1	+90.9		TP	-1	-1		
530			0° 00' 00"												
539	0				+5.3	H.		+5.3	-1.8		X	0	0	233,448	2,657,214
540	330		213° 31' (302° 44')		5.7	88° -	+11.5	+5.8		4.0		+178	-278	233,626	2,656,936
541	660		" " "		5.9	88° -	+23.0	+17.1		15.3		+357	-555	233,805	2,656,659
542	990		" " "		5.9	88° -	+34.6	+28.7		26.9		+535	-833	233,983	2,656,381
543	1320		213° 31' (302° 44')		5.6	88° -	+46.1	+40.5		38.7		+714	-1110	234,162	2,656,104
544	1650		212° 49' (302° 02')		5.5	88° -	+57.6	+52.1		50.3		+875	-1399	234,323	2,655,815
545	1934		207° 25' 48"		9.6	87° 50'	+73.2	+63.6			TP	+867	1727	234,314	2,655,486
545	1934		(296° 38' 34")		9.5	272° 10'	+73.2	+63.7		61.9	TP	-1	-1		
539 545			0° 00' 00"												
545	0				+5.3	H.	1	+5.3	67.2		X	0	0	234,314	2,655,486

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-14-83		B. Cotcamp		D. Hamilton		6834		D.L.		9		47			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Wingate Wash 15'		CALIF.		Inyo								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
			Plates → (9010)						67.2						
546	330		149° 04' (265° 43')		5.7	87° 50'	+12.5	+6.8		74.0		-25	-329	234,289	2,655,157
547	660		" " "		6.6	87° 50'	+25.0	+18.4		85.6		-49	-658	234,265	2,654,828
548	990		" " "		6.9	87° 50'	+37.4	+30.5		97.7		-74	-987	234,240	2,654,499
549	1320		" " "		6.8	87° 50'	+49.9	+43.1		110.3		-99	-1316	234,215	2,654,170
550	1650		149° 04' (265° 43')		6.7	87° 50'	+62.4	+55.7		122.9		-123	-1645	234,191	2,653,841
551	1973		147° 13' 54"		6.6	87° 50'	+74.7	+68.1		135.6	TP	-210	-1960	234,103	2,653,525
551	1973		(263° 52' 28")		6.2	277° 10'	+74.7	+68.5	+68.4		TP	-1	-1		
545			0° 00' 00"												
551	0				+ 5.25	M.		+5.3	140.9		X	0	0	234,103	2,653,525
552	330		169° 52' (253° 44')		8.2	87° 20'	+15.4	+7.2		148.1		-92	-317	234,011	2,653,208
553	660		" " "		11.7	87° 20'	+30.7	+19.0		159.9		-185	-634	233,918	2,652,891
554	981		174° 19' (258° 11')		10.3	87° 30'	+42.8	+32.5		173.4		-201	-960	233,902	2,652,565
555	1290		180° 21' (264° 19')		10.0	87° 30'	+56.3	+46.3		187.2		-128	-1284	233,975	2,652,241
556	1593		185° 35' (269° 27')		9.0	87° 30'	+69.5	+60.5		201.4		-15	-1593	234,088	2,651,932
557	1903		189° 27' (273° 19')		8.1	87° 30'	+83.1	+75.0		215.9		+110	-1900	234,213	2,651,625
558	2215		192° 17' (276° 09')		8.0	87° 30'	+96.7	+88.7		229.6		+237	-2202	234,340	2,651,323
559	2533		194° 32' (278° 24')		9.3	87° 30'	+110.6	+101.3		242.2		+370	-2506	234,473	2,651,019
560	2853		196° 10' (280° 02')		9.0	87° 34'	+121.3	+112.3		253.2		+497	-2809	234,600	2,650,716

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1-14-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		48				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Death Valley		Wingate WASH-15'		CALIF.		Inyo								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
			Plate → (Grid)						140.9							
561	3471		197° 48' (281° 40')		11.8	87° 40'	+129.3	+117.5		258.4		+641	-3105	234,744	2,650,420	
562	3428		201° 21' (285° 13')		12.2	87° 43'	+136.8	+124.6		265.5		+900	-3308	235,003	2,650,217	
563	3727		202° 21' (286° 13')		9.1	87° 36'	+156.4	+147.3		288.2		+1041	-3579	235,144	2,649,946	
564 TP _A	4038		201° 03' 31"		14.4	87° 10'	+199.9	+185.5			TP	+1039	3897	235,141	2,649,628	
TP _A	4038		(284° 55' 59")		14.3	272° 50'	+199.9	+185.6		326.5	TP	-1				
551			0° 00' 00"													
TP _A	0				+5.15	H.		+5.2	331.7		X	0	0	235,141	2,649,628	
564	83		260° 31' (05° 27')		14.4	93° -	-4.3	-18.7		313.0		+83	+8	235,224	2,649,636	
565	287		151° 32' (256° 28')		9.9	88° 30'	+7.5	-2.4		329.3		-67	-279	235,074	2,649,349	
566	609		152° 15' (257° 11')		9.2	88° -	+21.3	+12.1		343.8		-135	-594	235,006	2,649,034	
567	937		155° 16' (260° 12')		6.8	88° -	+32.7	+25.9		357.6		-159	-923	234,982	2,648,705	
568	1255		160° 05' (265° 01')		5.0	87° 20'	+58.4	+53.4		385.1		-109	-1250	235,032	2,648,378	
569	1572		163° 25' (268° 21')		7.1	87° 20'	+73.2	+66.1		397.8		-45	-1571	235,096	2,648,057	
570	1869		167° 27' 31"		10.2	87° 20'	+87.0	+76.8			TP	+78	7865	235,218	2,647,763	
570	1869		272° 23' 36"		10.1	272° 40'	+87.0	+76.9		408.6	TP	-1				
TP _A																
570	0				+5.25	H.		+5.3	413.9		X	0	0	235,218	2,647,763	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-14-83		B. Cotcamp		D. Hamilton		6834		R.A. [Signature]		9		49			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Depth Valley		Wingate Wash - 15		CALIF.		Inyo								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
			Plates → (GRID)						413.9						
571	330		208° 23' (300° 47')		8.9	90° 30'	-2.9	-11.8		402.1		+169	-284	235,387	2,647,479
572	661		209° 26' (301° 50')		9.3	91° 20'	-15.4	-24.7		389.2		+349	-562	235,445	2,647,201
573	960		218° 25' (310° 49')		9.3	90° 20'	-5.6	-14.9		399.0		+628	-727	235,846	2,647,036
574	1277		219° 20' (311° 44')		9.8	90° 10'	-3.7	-13.5		400.4		+850	-953	236,068	2,646,810
575	1549		211° 50' (304° 14')		10.8	-		-10.8		403.1		+871	-1281	236,089	2,646,482
576	1874		209° 54' (302° 18')		9.7	89° 50'	+5.5	-4.2		409.7		+1001	-1584	236,219	2,646,179
577	2200		208° 31' (300° 55')		5.3	89° 10'	+32.1	+26.8		440.7		+1130	-1887	236,348	2,645,876
578	2536		208° 50' (301° 14')		7.6	89° -	+44.3	+36.7		450.6		+1312	-2163	236,530	2,645,600 EAST STA. ON ROAD
579	2842		206° 57' (299° 21')		7.7	88° 50'	+58.0	+50.3		464.2		+1393	-2477	236,611	2,645,286 CROSS COUNTRY
580	3158		205° 30' (297° 54')		4.6	88° 20'	+92.1	+87.5		501.4		+1478	-2791	236,696	2,644,972 " "
581	3483		204° 20' 47"		10.0	87° 49' 34"	+132.4	+122.4			TP	+1566	3108	236,783	2,644,655
581	3483		296° 44' 23"		10.0	77° 10' 35"	+132.5	+122.5		536.4	TP	-1			
570			0° 00' 00"												
581	0				+5.15	H.		+5.2		541.6	X	0	0	236,783	2,644,655
582	330		133° 69' (249° 53')		7.3	88° 30'	+8.6	+1.3		542.9		-114	-310	236,669	2,644,345
583	654		128° 41' (245° 25')		8.0	88° -	+22.8	+14.8		556.4		-272	-595	236,511	2,644,060
584	985		128° 25' (245° 09')		7.9	87° 40'	+40.1	+32.2		523.8		-414	-894	236,369	2,643,761
585	1306		132° 05' (248° 49')		7.7	87° 10'	+64.6	+56.9		598.5		-472	-1218	236,311	2,643,437

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-14-83		B. Cotcamp		D. Hamilton		6834		D.H. AD		9		50			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Wingate Wash-15'		CALIF.		INYO								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
			PLATES - (9 REIDS)						541.6						
TP _B	1523		134° 25' 14"		10.3	86° 30'	+93.0	+82.7		624.4	TP	-491	7439	236,291	2,643,216
TP _B	1523		(251° 09' 37")		10.1	273° 30'	+93.0	+82.9	+82.8		TP	-			
581			0° 00' 00"												
TP _B	0			+ 5.25	M			+5.3	629.7		π	0	0	236,291	2,643,216
586	108		220° 59' (292° 09')		12.0	86° 40'	+6.3	-5.7		624.0		+41	-100	236,332	2,643,116
587	431		202° 17' (273° 27')		11.6	87° -	+22.6	+11.0		640.7		+26	-430	236,317	2,642,786
588	760		199° 55' (271° 05')		5.8	86° 30'	+42.0	+36.2		665.9		+14	-760	236,305	2,642,456
589	1085		196° 52' (268° 02')		7.2	86° 30'	+66.3	+59.1		688.8		-37	-1084	236,254	2,642,132
590	1413		194° 22' (265° 32')		6.7	86° 30'	+86.3	+79.6		709.3		-110	-1409	236,181	2,641,807
591	1743		" " " "		8.8	86° 30'	+106.5	+97.7		727.4		-136	-1738	236,155	2,641,478
592	2073		194° 35' (265° 45')		10.8	86° 30'	+126.6	+115.8		745.5		-154	-2067	236,137	2,641,149
593	2404		194° 37' (265° 47')		9.0	86° 20'	+153.9	+144.9		774.6		-177	-2397	236,114	2,640,819
594	2734		194° 54' (266° 04')		10.1	86° 23'	+172.6	+162.5		792.2		-188	-2728	236,103	2,640,488
595	3065		194° 42' 47"		9.2	86° 06'	+208.7	+199.5		829.5	TP	-220	3050	236,070	2,640,166
595	3065		(265° 52' 24")		8.7	273° 54'	+208.7	200.0	+199.8		TP	-			
TP _B			0° 00' 00"												
595	0			+ 5.25	M			+5.3	834.8		π	0	0	236,070	2,640,166

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-17-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		51			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Wingate WASH-15'		CALIF.		INYO								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 - LAT.	EAST+ WEST - DEP.		Y
			PLATES → (92.0)						834.8						
596	330		188° 48' (274° 40')		5.6	85° 20'	+26.9	+21.3		856.1		+27	-329	236,097	2,639,837
597	659		186° 12' (272° 04')		8.8	85° 50'	+47.9	+39.1		873.9		+24	-659	236,094	2,639,507
598	989		185° 27' (271° 19')		10.9	85° 20'	+80.5	+69.6		904.4		+23	-989	236,093	2,639,177
599	1320		185° 21' (271° 13')		10.3	85° 30'	+103.6	+93.3		928.1		+28	-1320	236,098	2,638,846
600	1650		184° 38' (270° 30')		5.9	85° 30'	+129.5	+123.6		958.4		+14	-1650	236,084	2,638,516
TPc	1878		184° 18' 13"		10.4	85° 20'	+152.9	+142.5		977.5	TP	+6	7872	236,075	2,638,294
TPc	1878		(270° 10' 37")		10.1	274° 40'	+152.9	+142.8	+142.7		VP	-1			
595			0° 00' 00"												
TPc	0				+5.05	4i		+5.1	982.6		π	0	0	236,075	2,638,294
601	105		168° 36' (258° 47')		7.0	89° -	+1.8	-5.2		977.4		-20	-103	236,055	2,638,191
602	435		170° 54' (261° 05')		11.2	88° -	+15.2	+4.0		986.6		-67	-430	236,008	2,637,864
603	765		" " " "		7.1	88° -	+26.7	+19.6		1002.2		-119	-756	235,956	2,637,538
604	1096		173° 08' (263° 19')		7.2	87° 50'	+41.5	+34.3		1016.9		-128	-1089	235,947	2,637,205
605	1426		175° 07' (265° 18')		10.0	87° 20'	+66.4	+56.4		1039.0		-117	-1421	235,958	2,636,873
606	1754		175° 39' (265° 52')		5.9	87° 20'	+81.7	+75.8		1058.4		-127	-1749	235,948	2,636,545
607	2085		174° 50' (265° 01')		7.1	87° 20'	+97.1	+90.0		1072.6		-181	-2077	235,894	2,636,217
608	2412		173° 38' 42"		12.0	87° 20'	+112.3	+100.3			TP	-259	2395	235,815	2,635,899
608	2412		(263° 49' 19")		11.9	272° 46'	+112.3	+100.4		1083.0	VP	-1			

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-17-83		B. Cotcamp		D. Hamilton		6834		DA		9		52			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Wingate WASH-15		CALIF.		Inyo								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
TPC			(Plates - 7 (9e10)) 0° 00' 00"							1083.0					
608	0				+5.25	4i		+5.3	1088.3		X	0	0	235,815	2,635,899
608	330		175° 52' (259° 41')		7.5	88°	+11.5	+4.0		1092.3		-59	-325	235,756	2,635,574
610	660		179° 29' (263° 18')		7.3	88°	+23.0	+15.7		1104.0		-77	-655	235,738	2,635,244
611	990		179° 57' (263° 46')		7.9	88°	+34.6	+26.7		1115.0		-107	-984	235,708	2,634,995
612	1320		180° 09' (263° 58')		6.1	88°	+46.1	+40.0		1128.3		-139	-1313	235,676	2,634,586
613	1650		180° 49' (264° 38')		6.2	88°	+57.6	+51.4		1139.7		-154	-1643	235,661	2,634,256
614	1980		182° 18' (266° 07')		11.1	87° 40'	+80.7	+69.6		1157.9		-134	-1975	235,681	2,633,924
615	2310		183° 26' (267° 15')		7.9	87° 40'	+94.2	+86.3		1174.6		-111	-2307	235,704	2,633,592
616	2640		184° 11' (268° 00')		11.8	87° 30'	+115.3	+103.5		1191.8		-92	-2638	235,723	2,633,261
617	2969		183° 57' (267° 46')		10.9	87° 30'	+129.7	+118.8		1207.1		-116	-2967	235,699	2,632,932
618	3292		182° 51' (266° 40')		8.0	87° 30'	+143.8	+135.8		1224.1		-191	-3286	235,624	2,632,613
619	3609		183° 43' 48" (267° 33' 07")		10.6	87° 30'	+128.0	+117.4		1205.7	TP	-725	-2926	235,690	2,632,973
619	3609		181° 15' (265° 04')		5.3	87° 30'	+157.7	+152.4		1240.7		-310	-3596	235,505	2,632,303
620	3928		179° 50' (263° 39')		9.1	87° 26'	+176.2	+167.1		1255.4		-434	-3904	235,381	2,631,995
TP 621	4250		178° 41' 23"		9.0	87° 30'	+185.8	+176.8		1265.3	TP	-553	-4210	235,261	2,631,689
TP 621	4250		(262° 30' 42")		8.5	272° 30'	+185.8	+177.3	+177.0		TP	-	-		
608			0° 00' 00"												
621	0				+5.25	4i		+5.3	1270.6		X	0	0	235,261	2,631,889

y = 235,605 x = 2,632,945
y-TRAIL EAST

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE				
1-17-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		53				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Death Valley		Wingate WASH-15'		CALIF.		Inyo								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
			(PLATES → (9R10))						1270.6							
622	315		170° 50' 11" (253° 20' 53")		8.8	87° 40'	+12.8	+4.0		1274.6	✓	90	-302	235,171	2,631,387	y-ROAD SOUTH
623	330		173° 51' (256° 22')		7.3	88° -	+11.5	+4.2		1274.8		-78	-321	235,183	2,631,368	
624	649		185° 49' (268° 20')		6.7	90° 20'	-3.8	-10.5		1260.1		-19	-649	235,242	2,631,040	
625	972		191° 00' (273° 31')		8.3	91° 30'	-25.4	-33.7		1236.9		+60	-970	235,321	2,630,719	
626	1284		195° 36' (278° 02')		10.3	90° 25'	-9.3	-19.6		1251.0		+181	-1271	235,442	2,630,418	
627	1569		202° 15' (284° 44')		11.3	89° 40'	+9.2	-2.1		1268.5		+400	-1517	235,661	2,630,172	
628	1865		200° 08' (282° 39')		11.4	89° 10'	+27.2	+15.8		1286.4		+408	-1820	235,669	2,629,869	
629	2145		195° 17' (277° 48')		11.0	88° 40'	+50.0	+39.0		1309.6		+291	-2125	235,552	2,629,564	
630	2449		192° 04' (274° 35')		7.8	88° 30'	+64.2	+56.4		1327.0		+196	-2441	235,457	2,629,248	
631	2774		190° 57' (273° 28')		11.1	88° 16'	+84.1	+73.0		1343.6		+168	-2769	235,429	2,628,920	
632	3101		191° 14' (273° 45')		9.8	88° 10'	+99.4	+89.6		1360.2		+203	-3094	235,464	2,628,595	
633	3429		190° 34' (273° 05')		11.5	88° -	+119.9	+108.4		1379.0		+184	-3424	235,445	2,628,265	
634	3733		188° 32' (271° 03')		11.1	87° 52'	+139.2	+128.1		1398.7		+68	-3732	235,329	2,627,957	
635	4059		187° 47' (270° 18')		11.8	87° 46'	+158.5	+146.7		1417.3		+21	-4059	235,282	2,627,630	
635	4389		187° 58' 04"		13.2	87° 46'	+179.1	+165.9		1436.8	TP	+37	-4385	235,297	2,627,304	ACROSS
635	4389		(270° 28' 46")		12.7	77° 20'	+179.1	+166.4	+166.4		TP	-1				STA.
621			0° 00' 00"													
635	0				+ 5.15	41		+5.2	1442.0		π	0	0	235,297	2,627,304	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-17-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		54			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Wingate WASH-15		CALIF.		Inyo								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
			(Plates - Grid)						1442.0						
636	329		190° 31' (281° 00')		6.2	86° 20'	+21.0	+14.8		1456.8		+63	-323	235,360	2,626,981
637	660		191° 07' (281° 36')		7.3	86° 20'	+42.2	+34.9		1476.9		+133	-647	235,430	2,626,657
638	990		" " "		8.7	86° 20'	+63.3	+54.6		1496.6		+199	-970	235,496	2,626,334
639	1320		191° 10' (281° 39')		10.8	86° 20'	+84.5	+73.7		1515.7		+267	-1293	235,564	2,626,011
TP ₁	1622		191° 13' 10"		5.1	86° 20'	+103.8	+98.7			TP	+328	7585	235,624	2,625,719
TP ₁	1622		(281° 41' 56")		5.0	273° 40'	+103.8	+98.8		1540.8	TP	-			
635			0° 00' 00"												
TP ₁	0				+5.1	hi		+5.1	1545.9		X	0	0	235,624	2,625,719
640	56		247° 51' (349° 33')		6.9	93° 50'	-3.7	-10.6		1535.3		+55	-10	235,679	2,625,709
641	368		205° 53' (307° 35')		6.9	87° 40'	+15.0	+8.1		1554.0		+224	-292	235,848	2,625,427
642	684		195° 28' (297° 10')		10.1	87° -	+35.8	+25.7		1571.6		+312	-609	235,936	2,625,110
643	1001		189° 00' (290° 42')		8.5	87° -	+52.4	+43.9		1589.8		+354	-936	235,978	2,624,783
644	1295		182° 11' (284° 01')		5.5	87° -	+67.8	+62.3		1608.2		+314	-1256	235,938	2,624,463
645	1615		179° 41' (281° 23')		7.6	86° 50'	+89.3	+81.7		1627.6		+319	-1583	235,943	2,624,136
TP ₂	1859		179° 18' 42"		6.3	86° 30'	+113.6	+107.3		1653.4	TP	+354	7821	235,977	2,623,898
TP ₂	1859		(281° 00' 38")		6.0	273° 30'	+113.6	+107.6			TP	-			
TP ₁			0° 00' 00"												
TP ₂	0				+5.05	hi		+5.1	1658.5		X	0	0	235,977	2,623,898

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-17-83		B. Cotcamp		D. Hamilton		6834		O.N.		9		55			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Wingate WASH-15'		CALIF.		Inyo								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
			(Plates → 0.10)						1658.5						
646	163		103° 49' (204° 50')		10.9	-		-10.9		1647.6		-148	-68	235,829	2,623,830
647	457		132° 59' (234° 00')		12.3	87° 20'	+21.3	+9.0		1667.5		-269	-370	235,708	2,623,528
648	748		148° 45' (249° 46')		6.3	87° 20'	+34.8	+28.5		1687.0		-259	-702	235,718	2,623,196
649	1069		153° 18' (254° 19')		7.8	87°	+56.0	+48.2		1706.7		-289	-1029	235,688	2,622,869
650	1381		158° 13' (259° 14')		11.4	86° 44'	+78.7	+67.3		1725.8		-258	-1357	235,719	2,622,541
651	1704		160° 25' (261° 26')		11.8	86° 40'	+99.1	+87.3		1745.8		-254	-1685	235,723	2,622,213
652	2029		161° 41' (262° 42')		10.2	86° 40'	+118.1	+107.9		1766.4		-258	-2013	235,719	2,621,885
653	2344		163° 54' 54"		9.2	86° 40'	+136.4	+127.2			TP	207	2331	235,769	2,621,567 ?
653	2344		1264° 55' 32"		9.1	273° 20'	+136.4	+127.3		1785.8	TP	-1			
TP ₂			6° 00' 00"												
653	0				+ 5.25	4i		+5.3	1791.1		X	0	0	235,769	2,621,567 ?
654	330		197° 45' (298° 41')		8.2	86° 10'	+22.1	+13.9		1805.0		+72	-322	235,841	2,621,245
655	658		193° 44' (298° 40')		11.2	86° 10'	+44.0	+32.8		1823.9		+99	-650	235,868	2,620,917
656	981		198° 27' (298° 23')		9.3	86° 20'	+62.8	+53.5		1844.6		+227	-954	235,996	2,620,613
TP ₃	1110		201° 23' 34"		6.6	86° 20'	+71.0	+64.4			TP	+311	1063	236,079	2,620,504
TP ₃	1110		1286° 19' 06"		6.5	273° 40'	+71.0	+64.5		1855.6	TP	-1			
TP ₂			0° 00' 00"												
TP ₃	0				+ 5.05	4i		+5.1	1860.7		X	0	0	236,079	2,620,504

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-17-83		B. Cotcamp		D. Hamilton		6834		D. H. P. D.		9		56			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Depth Valley		Wingate WASH -15'		CALIF.		INYO								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
			PLATES 7 (92.0)						1860.7						
657	184		204° 20' (310° 33')		7.0	87° -	+9.6	+2.6		1863.3		+120	-140	236,199	2,620,364
658	513		196° 12' (302° 31')		5.3	87° -	+26.9	+21.6		1882.3		+276	-433	236,355	2,620,071
659	842		194° 47' (301° 06')		8.8	86° 40'	+49.0	+40.2		1900.9		+435	-721	236,514	2,619,783
660	1167		195° 06' 38"		9.0	86° 40'	+67.9	+58.9			TP	+607	994	236,685	2,619,510
660	1167		(301° 25' 44")		8.9	273° 20'	+67.9	+59.0		1919.7	TP	-			STA.
TP3			0° 00' 00"												
660	0				+5.05	4i		+5.1	1924.8		X	0	0	236,685	2,619,510
661	328		169° 17' (290° 43')		6.3	86° 30'	+20.0	+13.7		1938.5		+116	-307	236,801	2,619,203
662	656		164° 24' (285° 50')		9.3	86° 30'	+40.1	+30.8		1955.6		+179	-631	236,864	2,618,879
663	987		164° 32' (285° 58')		7.3	86° 30'	+60.3	+53.0		1977.8		+272	-949	236,957	2,618,561
664	1314		164° 55' (286° 21')		7.8	86° 30'	+80.3	+72.5		1997.3		+370	-1261	237,055	2,618,249
665	1645		165° 15' (286° 41')		11.0	86° 30'	+100.5	+89.5		2014.3		+472	-1576	237,157	2,617,934
666	1969		165° 39' (287° 05')		12.7	86° 30'	+120.3	+107.6		2032.4		+578	-1882	237,263	2,617,628
667	2295		164° 07' 18"		7.5	86° 40'	+133.6	+126.1		2051.1	TP	+614	2207	237,298	2,617,303
667	2295		(285° 33' 02")		7.2	273° 20'	+133.6	+126.4	+126.3		TP	-			
660			0° 00' 00"												
667	0				+5.0	4i		+5.0	2056.1		X	0	0	237,298	2,617,303

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-17-83		B. Cotcamp		D. Hamilton		6834		O.H.		9		57			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Wingate Wash -15'		CALIF.		Inyo								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
			Plates → (9R, 0)						2056.1						
668	331		197° 02' (302° 35')		6.5	86° 20'	+ 21.2	+ 14.7		2070.8		+ 178	- 279	237,476	2,617,024
669	661		196° 04' (301° 37')		9.1	86° 20'	+ 42.3	+ 33.2		2089.3		+ 347	- 563	237,645	2,616,740
670	990		193° 50' (299° 23')		11.3	86° 20'	+ 63.3	+ 52.0		2108.1		+ 486	- 863	237,784	2,616,440
671	1313		191° 07' (296° 40')		10.1	86° 30'	+ 80.2	+ 70.1		2126.2		+ 589	- 1173	237,887	2,616,130
672	1635		188° 21' (293° 54')		14.9	86° 24'	+ 102.7	+ 87.8		2143.9		+ 662	- 1495	237,960	2,615,808
673	1963		187° 29' (293° 02')		19.5	86° 20'	+ 125.6	+ 106.1		2162.2		+ 768	- 1807	238,066	2,615,496
TP ₃	2093		184° 30' 29"		10.9	86° 20'	+ 133.9	+ 123.0		2179.3	TP	+ 716	- 1962	238,012	2,615,341
TP ₃	2093		(290° 03' 31")		10.6	273° 40'	+ 133.9	+ 123.3	123.2		TP	- 2			
667			0° 00' 00"												
TP ₃	0				+ 4.95	4i		+ 5.0	2184.3		X	0	0	238,012	2,615,341
674	224		208° 38' (318° 42')		7.6	89°	+ 3.9	- 3.7		2180.6		+ 168	- 148	238,180	2,615,193
A	302		198° 33' 22" (308° 36' 53")		4.2	89°	+ 5.3	+ 1.1		2185.4	4L	+ 188	- 236	238,200	2,615,105
675	539		191° 17' (301° 21')		10.9	87° 20'	+ 25.1	+ 14.2		2198.5		+ 280	- 460	238,292	2,614,881
676	851		183° 58' (299° 02')		8.2	87° 20'	+ 39.6	+ 31.4		2215.7		+ 347	- 777	238,359	2,614,569
677	1137		174° 20' (284° 24')		10.1	87°	+ 59.5	+ 49.4		2233.7		+ 283	- 1101	238,295	2,614,240
678	1497		171° 13' (281° 17')		12.1	86° 50'	+ 80.5	+ 68.4		2252.7		+ 285	- 1429	238,297	2,613,912
TP ₄	1502		167° 42' "		4.4	86° 40'	+ 87.4	+ 83.0		2267.4	TP	+ 203	- 1486	238,206	2,613,850
TP ₄	1502		(277° 45' 42")		4.2	273° 20'	+ 87.4	+ 83.2	83.1		TP	- 9	- 5		

y - 238,200 x - 2,615,105
y - ROAD South
Horizy - 30'
CORR. X - 8'

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-18-83		B. Cotcamp		D. Hamilton		6834		D.H.		20		58			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Depth Valley		Wingate WASH		CALIF.		Inyo								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 - LAT.	EAST + WEST - DEP.		Y
										2267.4					
TP3			0° 00' 00"												
TP4	0		PLATES → (9 R.I.D.S)	+ 4.95	4i		+ 5.0		2272.4		T	0	0	238,206	2,613,850
679	237		152° 14' (250° 00')		11.8	87° 40'	+ 9.7	- 2.1		2270.3		- 81	- 223	238,125	2,613,627
680	566		144° 51' (242° 37')		6.2	87° 40'	+ 23.1	+ 16.9		2289.3		- 260	- 503	237,946	2,613,347
681	893		145° 15' (243° 01')		7.3	86° 40'	+ 51.9	+ 44.6		2317.0		- 405	- 796	237,801	2,613,059
682	1165		152° 42' (250° 28')		11.9	86° 40'	+ 67.8	+ 55.9		2328.3		- 390	- 1098	237,816	2,612,752
TP5	1394		157° 22' 20"		6.8	86° 40'	+ 81.1	+ 74.3			TP	357	1345	237,840	2,612,500
TP5	1394		(255° 08' 62")		6.7	273° 20'	+ 81.1	+ 74.4		2346.8	TP	- 9	- 5		
TP4			0° 00' 00"												
TP5	0			+ 4.95	4i		+ 5.0		2351.8		T	0	0	237,840	2,612,500
683	119		263° 40' (338° 48')		8.6	87° 20'	+ 1.4	- 7.2		2344.6		+ 111	- 43	237,951	2,612,457
684	375		210° 06' (285° 14')		9.9	86° 26'	+ 23.3	+ 13.4		2365.2		+ 99	- 362	237,939	2,612,138
685	698		201° 32' (276° 40')		7.6	86° 30'	+ 42.6	+ 35.0		2386.8		+ 81	- 693	237,921	2,611,807
686	1024		203° 03' (278° 11')		7.4	86° 30'	+ 62.5	+ 55.1		2406.9		+ 146	- 1014	237,986	2,611,486
687	1350		202° 18' (277° 26')		9.9	86° 30'	+ 82.5	+ 72.6		2424.4		+ 175	- 1339	238,015	2,611,161
TP6	1384		205° 47' 29"		6.6	86° 20'	+ 88.5	+ 81.9			TP	+ 262	1356	238,093	2,611,139
TP6	1384		(280° 55' 31")		6.5	273° 40'	+ 88.5	+ 82.0		2433.8	TP	- 9	- 5		

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1-18-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		59				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Death Valley		Wingate Wasa-15		CALIF.		Inyo								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 - LAT.	EAST + WEST - DEP.	COORDINATES Y X		REMARKS
TP ₅			0° 00' 00"							2433.8						
TP ₆	0		(Plates → (R.I.D))		+ 5.05	4i		+5.1	2438.9		X	0	0	238,093	2,611,139	
688	264		194° 51' (295° 47')		7.9	87° 40'	+10.7	+2.8		2441.7		+115	-238	238,208	2,610,901	
689	585		187° 27' (288° 23')		11.4	86° 50'	+32.3	+20.9		2459.8		+184	-555	238,277	2,610,584	
690	912		184° 04' (285° 00')		9.1	86° 50'	+50.4	+41.3		2480.2		+236	-881	238,329	2,610,258	
691	1242		182° 54' (283° 50')		7.2	86° 50'	+68.6	+61.4		2500.3		+297	-1206	238,390	2,609,933	
692	1567		183° 50' (284° 46')		5.3	86° 50'	+86.6	+81.3		2520.2		+399	-1515	238,492	2,609,624	
693	1889		181° 30' (282° 26')		5.1	86° 50'	+104.4	+99.3		2538.2		+407	-1845	238,500	2,609,294	
694	2217		180° 38' (281° 34')		11.0	86° 42'	+127.7	+116.7		2555.6		+445	-2172	238,538	2,608,967	
695	2536		178° 31' (279° 27')		11.3	86° 42'	+146.1	+134.8		2573.7		+416	-2502	238,509	2,608,637	
TP ₇	2788		180° 44' 15"		8.2	86° 30'	+170.4	+162.2			TP	+563	2725	238,647	2,608,409	
TP ₇	2788		(281° 39' 46")		8.1	87° 50'	+170.4	+162.3		2601.2	TP	-9	-5			
TP ₆			0° 00' 00"													
TP ₇	0				+ 5.05	4i		+5.1	2606.3		X	0	0	238,647	2,608,409	
696	79		149° 26' (251° 26')		8.9	94° -	-5.5	-14.4		2591.9		-26	-75	238,621	2,608,334	
697	371		202° 19' (303° 59')		10.7	87° 50'	+14.0	+3.3		2609.6		+207	-308	238,854	2,608,101	
698	695		209° 16' (310° 56')		7.8	87° 36'	+29.1	+21.3		2627.6		+455	-525	239,102	2,607,894	
699	1019		209° 11' (310° 51')		6.9	87° 30'	+44.5	+37.6		2643.9		+667	-771	239,314	2,607,638	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-18-83		B. Cotcamp		D. Hamilton		6834		D.H.		9		60			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Wingate WASH-15'		CALIF.		INYO								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
			PLATES → (7 R.I.D)						2606.3						
700	1322		202° 49' (309° 29')		9.3	87° 10'	+65.4	+56.1		2662.4		+748	-1090	239,395	2,607,319
701	1642		199° 31' (301° 11')		7.1	87° 10'	+81.2	+74.1		2680.4		+850	-1405	239,497	2,607,004
TP ₇	1808		196° 13' 28"		8.3	87° -	+94.7	+86.4			TP	+845	7596	239,483	2,606,808
TP ₇	1808		(297° 53' 14")		8.2	273° -	+94.7	+86.5		2692.8	TP	-9	-5		
TP ₆			0° 00' 00"												
TP ₇	0				+ 5.2	Hi		+5.2	2698.0		X	0	0	239,483	2,606,808
702	139		166° 35' (284° 28')		8.0	86° 40'	+8.1	+0.1		2698.1		+35	-135	239,518	2,606,673
703	439		140° 10' (258° 03')		8.2	86° 40'	+25.5	+17.3		2715.3		-91	-429	239,392	2,606,379
TP ₈	653		135° 25' 31"		6.9	86° 40'	+38.0	+31.1		2729.1	TP	787	624.5	239,287	2,606,179
TP ₈	653		(253° 18' 45")		6.9	273° 20'	+38.0	+31.1			TP				
TP ₇			0° 00' 00"												
TP ₈	0				+ 5.2	Hi		+5.2	2734.3		X	0	0	239,287	2,606,179
704	153		227° 30' (300° 49')		7.8	88° -	+5.3	-2.5		2731.8		+78	-131	239,365	2,606,048
705	459		201° 21' (274° 40')		11.2	86° 40'	+26.7	+15.5		2749.8		+37	-457	239,324	2,605,722
706	786		204° 51' (278° 16')		8.7	87° -	+41.1	+32.4		2766.7		+113	-778	239,400	2,605,401
707	1112		208° 16' (281° 35')		9.0	87° -	+58.2	+49.2		2783.5		+223	-1089	239,510	2,605,090
TP ₉	1291		210° 10' 23"		10.0	86° 50'	+71.3	+61.3			TP	+301	7253	239,579	2,604,921
TP ₉	1291		(283° 29' 08")		9.9	273° 10'	+71.3	+61.4		2795.7	TP	-9	-5		

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	1-18-83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Hamilton	PARTY NUMBER	6884	NOTES CHECKED BY	D.H.	LINE NO.	9	PAGE	61
AREA	Death Valley	TOPO MAP	Wingate WASH-15	STATE	CALIF.	COUNTY	Inyo	RANGE		PPM		PARTY MANAGER	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
			PLATES → (GRID)												
TP			0° 00' 00"												
TP	0				+5.05	Hi		+5.1	2800.8		X	0	0	239,579	2,604,921
708	145		206° 15' (309° 44')		6.9	87°	+7.6	+0.7		2801.5		+93	-112	239,672	2,604,809
709	471		195° 58' (299° 27')		6.9	87°	+24.7	+17.8		2818.6		+232	-410	239,811	2,604,511
710	801		195° 45' (299° 14')		5.1	87°	+41.9	+36.8		2837.6		+391	-699	239,970	2,604,222
711	1102		201° 24' (304° 53')		4.1	86° 50'	+60.9	+56.8		2857.6		+630	-904	240,209	2,604,017
Y	1200		206° 32' 35" (310° 01' 43")		9.5	86° 40'	+69.8	+60.3		2861.1	Y	+771	-917	240,340	2,604,000
									2800.8						
ELEVATION TRAVERSE BACK TO TIE															
TP	1951				7.5	91° 30'	-51.1	-58.6		2742.2	TP				
TP	1951				7.5	268° 30'	-51.1	-58.6			TP				
X	0				5.2	-		-5.2		2737.0	X				
BS	2286				+9.6	86°	159.5	149.9	2592.0		BS				
BS	2286				+9.2	274°	159.5	150.3	-150.2		BS				
X	0				5.2	-		-5.2		2586.8	X				
TP	3950				11.4	93° 40'	252.6	264.0		2328.0	TP				
TP	3950				11.3	266° 20'	252.6	263.9			TP				

E.O.L. Line #9
 (3-240,340 x 2,604,000
 7-ROAD WEST
 HORIZ. CORRECTION
 y = -73'
 x = -39'

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
1-18-83		B. Cotcamp		D. Hamilton		6834		D.H.		9	62					
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER								
Death Valley		Wingate WASH-15'	CALIF.	INYO				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 +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
										2328.0						
BS	1099				+ 14.6	86° 20'	70.3	55.7			BS					
BS	1099				+ 14.5	273° 40'	70.3	55.8	2272.2		BS					
X	0				5.2	-		-5.2		2267.0	X					
TP	1486				11.1	93° 16'	82.1	93.2		2179.0	TP					Same as TP ₃₀ on Regular Survey EL. 2179.3
TP	1486				11.0	266° 50'	82.1	93.1			TP					
BS	4204				+ 11.4	86° 54'	227.3	215.9	1962.8		BS					
BS	4204				+ 10.9	273° 06'	227.3	216.4	-216.2		BS					
X	0				5.2	-		-5.2		1957.6	X					
TP	2204				8.7	93° 40'	140.9	149.6		1813.3	TP					
TP	2204				8.4	266° 20'	140.9	149.3	-149.5		TP					
BS	3080				+ 5.7	86° 30'	188.0	182.3	1630.8		BS					
BS	3080				+ 5.4	273° 30'	188.0	182.6	-182.5		BS					
X	0				5.2	-		-5.2		1625.6	X					
TP	2772				13.4	93° 10'	153.1	166.5		1464.4	TP					
TP	2772				13.2	266° 50'	153.1	166.3	-166.4		TP					
BS	2137				+ 9.8	86° 20'	136.7	126.9	1337.3		BS					
BS	2137				+ 9.5	273° 40'	136.7	127.2	-127.1		BS					

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-18-83		B. Cotcamp		D. Hamilton		6824		D.A.		9		63			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Wingate		WASH-15 CALIF.		Inyo								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
									1337.3						
π	0				5.2	-				1332.1					
J#	2207				10.5	91° 20'	51.4	61.9		1275.5	TP				
J#	2207				10.3	268° 40'	51.4	61.7	-61.8		TP				
BS	4704				+ 10.7	87° 34'	199.7	189.0			BS				
BS	4704				+ 10.6	272° 26'	199.7	189.1	1086.4		BS				
π	0				5.2	-		-5.2		1081.2	π				
TP	2328				14.8	92° 20'	94.8	109.6		976.8					
TP	2328				14.7	267° 40'	94.8	109.5							
BS	4920				+ 7.5	85° 36'	348.9	341.4	635.2		BS				
BS	4920				+ 7.2	274° 04'	348.9	341.7	-341.6		BS				
π	0				5.2	-		-5.2		630.0	π				
TP	5209				11.6	267° 26'	233.3	244.9		390.1	TP				
TP	5209				11.9	92° 34'	233.3	245.2	-245.1		TP				
BS	5446				+ 12.4	272° 40'	253.4	241.0			BS				
BS	5446				+ 12.3	87° 20'	253.4	241.1	149.0		BS				
π	0				5.2	-		-5.2		143.8	π				

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

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Page 64 of 64

DATE 1-20-83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY D.H.	LINE NO. 9	PAGE 64
AREA Death Valley	TOPO MAP Wingate Wash - 15'	STATE CALIF.	COUNTY INYO	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	5105				12.3	92° 10'	-193.0	-205.3		-56.2	TP			
TP	5105				12.0	267° 50'	-193.0	-205.0	205.2		TP			
BS	4317				+ 15.0	88° 20'	-125.6	-110.6	166.9		BS			
BS	4317				+ 14.7	271° 40'	-125.6	-110.9	-110.7		BS			
X	0				5.2	-		-5.2		172.1	X			
Bm	4078				11.4	90° 33'	-39.2	-50.6		-217.4	TP			R-681 1943 U.S.C+G.S. Bm EL. 2186
Bm	4078				11.1	262° 25'	-39.2	-50.3	50.5		TP			