

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

Page 1 of 2

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.								
2-24-83		B. Cotcamp		D. Hamilton		6834		D.H.		12								
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER				
Death Valley		TRCOPA-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 -		EAST + WEST -		COORDINATES		WILD. RED I.A. RI
												LAT.	DEP.	Y	X			
TK1	U.S. GENERAL LAND OFFICE		Survey T-20-N R-8E 35 ¹³⁵ / ₃₆ sec. corner						2175.0	TK1								2425 35136 sec. C
BS	1671		(230° 05' 26")		+14.2	-		+14.2			BS	+1072	+1282					SUNSHOT point.
BS	1671				+14.3	270°		+14.3	2189.3		BS							
1	0				5.2	-		-5.2	2184.1		TP	0	0	183,332	2,867,812			B.O.L. LIM
2	330		190° 58' (61° 03')		5.2	89°	+5.8	+0.6	2189.9			+160	+289	183,492	2,868,101			
3	660		" " " "		6.1	89°	+11.5	+5.4	2194.7			+319	+578	183,651	2,868,390			
4	990		" " " "		7.8	89°	+17.3	+9.5	2198.8			+479	+866	183,311	2,868,678			
5	1319		190° 17' 18"		10.6	89°	+23.1	+12.5	2201.8		TP	+652	+1146	183,984	2,868,958			
5	1319		(60° 22' 44")		10.6	271°	+23.1	+12.5			TP							
1			0° 00' 00"															
5	0				+4.95	Hi		+5.0	2206.8		TP	0	0	183,984	2,868,958			
6	330		171° 16' (51° 39')		7.3	89° 10'	+4.8	+2.5	2204.3			+205	+259	184,189	2,869,217			
7	660		170° 11' (50° 34')		9.3	89° 10'	+4.6	+0.3	2207.1			+419	+510	184,403	2,869,468			
8	990		169° 58' (50° 21')		10.9	89° 10'	+14.4	+3.5	2210.3			+632	+762	184,616	2,869,720			
9	1319		170° 02' (50° 25')		9.0	89° 20'	+15.4	+6.4	2213.2			+840	+1017	184,824	2,869,975			
10	1642		172° 24' (52° 47')		5.1	89° 20'	+19.2	+14.1	2220.9			+993	+1308	184,977	2,870,266			
11	1966		174° 32' (54° 55')		5.9	89° 20'	+23.0	+17.1	2223.9			+1130	+1609	185,114	2,870,567			

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2-25-83	B. Cotcamp	D. Hamilton	6834	D.H. <i>AB</i> B.C.	12
AREA	TOPO MAP	STATE	COUNTY	TWP	RANGE
Death Valley	Tecopa - 15	CALIF.	INYO		PPM
PARTY MANAGER					

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		R
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
			PLATES → (GRID)						2206.8					
12	2293		173° 23' 29"		8.5	89° 10'	+33.5	+25.0		2231.8	TP	+1355	+1849	185,339 2,870,807
12	2293		(53° 46' 13")		8.6	270° 50'	+33.5	+24.9			TP			
5			0° 00' 00"											
12	0				+5.05	41°		+5.1	2236.9		π	0	0	185,339 2,870,807
13	330		164° 53' (38° 39')		6.1	89° -	+5.8	0.3		2236.6		+258	+206	185,597 2,871,013
14	660		163° 27' (37° 13')		9.1	89° -	+11.5	+2.4		2239.3		+326	+399	185,865 2,871,206
15	990		163° 02' (36° 48')		9.0	89° -	+17.3	+8.3		2245.2		+793	+593	186,132 2,871,400
16	1320		162° 49' (36° 35')		7.0	89° -	+23.1	+16.1		2253.0		+1060	+787	186,399 2,871,594
17	1650		162° 43' (36° 29')		5.6	89° -	+28.9	+23.3		2260.2		+1327	+981	186,666 2,871,788
18	1980		162° 39' (36° 25')		8.1	89° -	+34.6	+26.5		2263.4		+1593	+1175	186,932 2,871,982
19	2310		162° 34' (36° 20')		10.1	89° -	+40.4	+30.3		2267.2		+1861	+1369	187,200 2,872,176
20	2640		162° 28' (36° 14')		11.6	89° -	+46.2	+34.6		2271.5		+2129	+1560	187,468 2,872,367
21	2970		" " "		9.1	89° 08'	+45.1	+36.0		2272.9		+2396	+1755	187,735 2,872,562
22	3299		" " "		12.0	89° 10'	+48.2	+36.2		2273.1		+2661	+1950	188,000 2,872,757
23	3623		161° 47' (35° 33')		22.9	88° 58'	+65.6	+42.7		2279.6		+2948	+2106	188,287 2,872,913
24	3945		160° 38' (34° 24')		18.8	88° 58'	+71.5	+32.7		2289.6		+3255	+2229	188,594 2,873,036
25	4269		159° 47' (33° 33')		14.1	88° 58'	+77.4	+63.3		2300.2		+3558	+2359	188,897 2,873,166
26	4592		158° 59' (32° 45')		10.1	88° 56'	+85.9	+75.8		2312.7		+3862	+2484	189,201 2,873,291

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
2-25-83		B. Cotcamp		D. Hamilton		6834		D.H.		12	3				
AREA		TOPO MAP		STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER						
Depth Valley		Tecopa - 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
			PLATPS → (90.0)						2236.9						
TP ₁	4825		158° 18' 24"		13.3	88° 50'	+98.7	+85.4	} 185.23	2322.1	TP	+4088	+2562	189,427	2,873,369
TP ₁	4825		(32° 04' 37")		13.8	271° 10'	+98.7	+84.9		TP					
12			0° 00' 00"												
TP ₁	0				+5.05	4i		+5.1	} 2327.2		π	0	0	189,427	2,873,369
27	91		163° 31' (15° 36')		6.1	87° 30'	+4.0	-2.1		2325.1			+38	-24	189,515
28	421		" " " "		7.9	87° 30'	+18.4	+10.5	2337.7			+405	+113	189,832	2,873,482
29	751		" " " "		9.2	87° 30'	+32.8	+23.6	2350.8			+723	+202	190,150	2,873,571
30	1076		161° 23' (13° 28')		9.6	87° 30'	+47.0	+37.4	2364.6			+1046	+251	190,473	2,873,620
31	1382		155° 54' (07° 59')		12.0	87° 25'	+62.3	+50.3	2377.5			+1369	+192	190,796	2,873,561
TP ₂	1389		155° 16' 36"		9.7	87° 30'	+60.6	+50.9	} 2378.2	2378.2	TP	+1376	+178	190,803	2,873,547
TP ₂	1389		(7° 21' 13")		9.5	272° 30'	+60.6	+51.1		+51.03	TP				
TP ₁			0° 00' 00"												
TP ₂	0				+5.15	4i		+5.2	} 2383.4		π	0	0	190,803	2,873,547
32	320		161° 35' (348° 58')		6.0	87° 40'	+12.3	+6.3		2389.7			+314	-61	191,117
33	645		164° 41' (352° 02')		5.7	88° -	+22.5	+16.8	2400.2			+639	-89	191,442	2,873,458
34	944		174° 31' (01° 52')		7.1	88° 26'	+25.8	+18.7	2402.1			+944	+31	191,747	2,873,578
35	1244		181° 50' (09° 11')		11.0	88° 36'	+30.4	+19.4	2402.8			+1228	+199	192,031	2,873,746

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
2.25.83		B. Cotcamp		D. Hamilton		6834		D.H.		12	4					
AREA		TOPO MAP	STATE	COUNTY	TWP.	RANGE	PPM	PARTY MANAGER								
Death Valley		TRIOPA-15	CALIF.	INYO												
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		REMARKS
														Y	X	
			PLATS → (grid)						2383.4							
36	1553		186° 29' (13° 50')		9.6	89° -	+27.2	+17.6		2401.0		+1508	+371	192,311	2,873,918	
37	1878		188° 31' (15° 52')		9.7	89° 10'	+27.4	+17.7		2401.1		+1806	+513	192,609	2,874,060	
38	2206		189° 38' (16° 59')		10.4	89° 10'	+32.2	+21.8		2405.2		+2110	+644	192,913	2,874,911	
TP ₂	2483		190° 44' 56"		7.9	89° 16'	+31.9	+24.0		2407.3	TP	+12360	+771	193,163	2,874,318	
TP ₃	2483		(18° 06' 09")		8.1	270° 44'	+31.9	+23.8	+23.93		TP					
TP ₂			0° 00' 00"													
TP ₃	0				+5.2	Hi		+5.2	2412.5		TP	0	0	193,163	2,874,318	
39	49		192° 24' (30° 30')		5.7	89° 30'	+0.4	-5.3		2407.2		+42	+25	193,205	2,874,343	
40	379		" " " "		7.7	89° 40'	+2.2	-5.5		2407.0		+327	+192	193,490	2,874,510	
41	707		188° 20' (26° 26')		9.2	89° 40'	+4.1	-5.1		2407.4		+633	+315	193,796	2,874,633	
42	1035		188° 40' (26° 46')		12.8	89° 40'	+6.0	-6.8		2405.7		+924	+466	194,087	2,874,784	
43	1365		188° 08' (26° 14')		11.0	89° 40'	+8.0	-3.0		2409.5		+1224	+603	194,387	2,874,921	
44	1694		187° 42' (25° 48')		11.9	89° 40'	+9.9	-2.0		2410.5		+1525	+737	194,688	2,875,055	
45	2024		187° 46' (25° 52')		10.0	89° 50'	+6.0	-4.0		2408.5		+1821	+883	194,984	2,875,201	
46	2354		187° 17' (25° 23')		9.2	89° 50'	+7.0	-2.2		2410.3		+2127	+1009	195,290	2,875,327	U.S.G.S. Bm EL. 2412.0
Bm	2495		187° 59' 44" (26° 05' 53")		9.2	89° 50'	+7.4	-1.8		2410.7	Bm	+2241	+1098	195,404	2,875,416	195,420 x - 2,875,425
IF	2536		186° 14' 20" (24° 20' 29")		8.8	89° 50'	+7.5	-1.3		2411.2						
47	2676		185° 36' (23° 42')		10.0	89° 48'	+9.5	-0.5		2412.0		+2450	+1076	195,613	2,875,574	

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2.25.83		B. Cotcamp		D. Hamilton		6834		D.H.		12		5			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		TPCOPA-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 7 (GRID)						2412.5						
48	2998		184° 09' 47"		9.3	89° 48'	+10.7	+1.4	}	2413.9	TP	+2774	+1136	195,937	2,875,454
48	2998		(22° 15' 56")		9.4	270° 12'	+10.7	+1.3		TP					
TP3			0° 00' 00"												
48	0				5.0	41		+5.0	}	2418.9	TP	0	0	195,937	2,875,454
49	330		165° 56' (8° 06')		6.8	89° 10'	+4.8	-2.0		2416.9		+327	+47	196,264	2,875,501
50	658		163° 41' (5° 57')		8.2	89° 10'	+9.6	+1.4	2420.3		+654	+68	196,591	2,875,522	
51	988		163° 22' (5° 38')		8.1	89° 10'	+14.4	+6.3	2425.2		+983	+97	196,920	2,875,551	
52	1318		" " " "		9.8	89° 10'	+19.2	+9.4	2428.3		+1312	+129	197,249	2,875,583	
53	1647		164° 05' (6° 21')		11.2	89° 10'	+24.0	+12.8	2431.7		+1637	+182	197,574	2,875,636	
54	1974		162° 49' (5° 05')		7.2	89° 20'	+23.0	+15.8	2434.7		+1966	+175	197,903	2,875,629	
TP4	2030		162° 33' 20"		7.8	89° 20'	+23.7	+15.9	}	2434.8	TP	+2023	+171	197,960	2,875,625
TP4	2030		(4° 49' 16")		7.9	270° 40'	+23.7	+15.8		TP					
48			0° 00' 00"												
TP4	0				5.0	41		+5.0	}	2439.8	TP	0	0	197,960	2,875,625
55	273		162° 03' (346° 52')		5.3	89° 20'	+3.2	-2.1		2437.7		+266	-62	198,226	2,875,563
56	602		160° 31' (343° 20')		6.8	89° 20'	+7.0	+0.2	2440.0		+582	-152	198,542	2,875,473	
57	932		160° 25' (345° 14')		7.6	89° 20'	+10.9	+3.3	2443.1		+901	-238	198,861	2,875,387	

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2.25.83		B. Cotcamp		O. Hamilton		6834		D.H. [Signature]		12		6			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Depth Valley		Tecopa - 15'		CALIF.		Imperial								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)						2439.8						
58	1262		159° 55' (344° 44')		8.3	89° 20'	+14.7	+6.4		2446.2		+1217	-332	199,177	2,875,293
59	1591		159° 28' (344° 17')		11.8	89° 20'	+18.6	+6.8		2446.6		+1532	-431	199,492	2,875,194
TP ₃	1743		159° 24' 29"		7.8	89° 30'	+15.3	+7.5		2447.3	TP	+1677	-474	199,637	2,875,151
TP ₅	1743		(344° 13' 45")		7.8	270° 30'	+15.3	+7.5			TP				
TP ₄			0° 00' 00"												
TP ₅	0				+ 5.25	4i		+5.3		2452.6	X	0	0	199,637	2,875,151
60	178		174° 36' (338° 50')		6.3	89° 30'	+1.6	-4.7		2447.9		+166	-64	199,803	2,875,087
61	508		" " " "		5.7	89° 30'	+4.4	-1.3		2451.3		+774	-783	200,111	2,874,968
62	823		166° 31' (330° 45')		6.3	89° 10'	+12.0	+5.7		2458.3		+718	-402	200,355	2,874,749
63	1151		164° 25' (328° 39')		9.1	89° 10'	+16.8	+7.7		2460.3		+983	-599	200,620	2,874,552
64	1486		164° 49' (329° 03')		9.9	89° 10'	+21.6	+11.7		2464.3		+1269	-761	200,906	2,874,390
65	1808		166° 14' (330° 28')		11.0	89° 10'	+26.4	+15.4		2468.0		+1573	-891	201,210	2,874,260
66	2138		167° 15' 11"		8.8	89° 20'	+25.0	+16.2			TP	+1878	-1021	201,515	2,874,130
66	2138		(331° 28' 56")		8.7	270° 40'	+25.0	+16.3		2468.9	TP				ACROSS STATION
TP ₅			0° 00' 00"												
66	0				+ 5.2	4i		+5.2		2474.1	X	0	0	201,515	2,874,130
67	332		206° 48' (358° 17')		5.9	90° 40'	-3.9	-9.8		2464.3		+332	-10	201,847	2,874,120

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2-25-83		B. Cotcamp		D. Hamilton		6834		ADL AD		12		7			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		TECOPA-15'		CALIF.		INYO								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 → (9210)						2474.1						
68	662		207° 31' (359° 00')		6.9	90° 40'	-7.7	-14.6		2459.5	TP	+62	-12	202,177	2,874,118
69	991		208° 34' (6° 03')		8.2	90° 40'	-11.5	-19.7		2454.4	TP	+91	+1	202,506	2,874,131
70	1321		209° 15' (0° 44')		6.3	90° 40'	-15.3	-21.6		2452.5	TP	+321	+17	202,836	2,874,147
71	1650		209° 54' (1° 23')		9.6	90° 30'	-14.3	-23.9		2450.2	TP	+1650	+40	203,165	2,874,170
72	1980		210° 32' (2° 01')		8.1	90° 30'	-17.2	-25.3		2448.8	TP	+1979	+70	203,494	2,874,200
73	2308		211° 23' (2° 52')		5.7	90° 30'	-20.0	-25.7		2448.4	TP	+305	+115	203,820	2,874,245
74	2636		212° 16' (3° 45')		10.1	90° 20'	-15.2	-25.3		2448.8	TP	+230	+172	204,145	2,874,302
75	2964		213° 05' (4° 34')		9.2	90° 20'	-17.1	-26.3		2447.8	TP	+295	+236	204,450	2,874,366
76	3284		214° 26' 10"		7.7	90° 20'	-18.9	-26.6			TP	+3266	+339	204,781	2,874,469
76	3284		(5° 55' 06")		7.6	269° 40'	-18.9	-26.5		2447.6	TP				
66			0° 00' 00"												
76	0				+5.15	Hi.		+5.2	2452.8		TP	0	0	204,781	2,874,469
77	330		197° 05' (23° 00')		5.9	89° 40'	+1.9	-4.0		2448.8	TP	+304	+129	205,085	2,874,598
78	660		" " " "		8.9	89° 40'	+3.8	-5.1		2447.7	TP	+208	+258	205,389	2,874,727
79	990		" " " "		9.8	89° 40'	+5.8	-4.0		2448.8	TP	+911	+387	205,692	2,874,856
80	1320		" " " "		10.8	89° 40'	+7.7	-3.1		2449.7	TP	+1215	+516	205,996	2,874,985
81	1647		198° 49' (24° 44')		10.8	89° 40'	+9.6	-1.2		2451.6	TP	+1496	+689	206,277	2,875,158
82	1976		199° 46' (25° 41')		9.8	89° 40'	+11.6	+1.8		2454.6	TP	+1781	+856	206,562	2,875,325

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2-25-83		B. Cotcamp		D. Hamilton		6834		B.N.		12		8			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Tecopa-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 = (90.0)						2452.8						
83	2305		200° 15' (26 10)		8.9	89° 46'	+ 9.5	+0.6		2453.4		+2069	+1016	206,850	2,875,485
84	2635		200° 26' (26 21)		8.6	89° 46'	+ 10.9	+2.3		2455.1		+2361	+1170	207,142	2,875,639
85	2964		200° 46' (26 41)		8.0	89° 46'	+ 12.3	+4.3		2457.1		+2648	+1331	207,429	2,875,800
86	3292		201° 25' 37"		9.8	89° 44'	+ 15.5	+5.7		2458.6	TP	+2924	+1512	207,705	2,875,981
86	3292		(27° 20' 43")		9.6	270° 16'	+ 15.5	+5.9	+5.83		TP				
76			0° 00' 00"												
86	0				+5.15	H.I.		+5.2	2463.8		X	0	0	207,705	2,875,981
87	330		187° 49' (35° 10')		7.2	89° 20'	+ 3.8	-3.4		2460.4		+270	+190	207,975	2,876,171
88	660		" " " "		8.0	89° 20'	+ 7.7	-0.3		2463.5		+540	+380	208,245	2,876,361
89	990		" " " "		9.1	89° 20'	+ 11.5	+2.4		2466.2		+809	+570	208,514	2,876,551
90	1320		" " " "		9.7	89° 20'	+ 15.4	+5.7		2469.5		+1079	+60	208,784	2,876,741
91	1650		188° 01' (35° 22')		10.0	89° 20'	+ 19.3	+9.3		2473.1		+1346	+955	209,051	2,876,936
II	1862		185° 57' 22" (33° 18' 05")		8.3	89° 20'	+ 21.7	+13.4		2477.2	II	+1556	+1022	209,261	2,877,003
92	1980		187° 55' (35° 16')		9.9	89° 20'	+ 23.1	+13.2		2477.0		+1617	+1143	209,322	2,877,124
93	2309		187° 49' (35° 10')		9.2	89° 20'	+ 27.0	+17.8		2481.6		+1888	+1330	209,523	2,877,311
94	2639		187° 59' 50"		9.3	89° 20'	+ 30.8	+21.5			TP	+2153	+1526	209,858	2,877,501
94	2639		(35° 20' 33")		9.2	270° 40'	+ 30.8	+21.6		2485.4	TP				

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 3.1.83 INSTRUMENT MAN D. Cotcamp ROD MAN O. Hamilton PARTY NUMBER 6834 NOTES CHECKED BY D.N. LINE NO. 12 PAGE 9

AREA Death Valley TOPO MAP Tecopa - 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.		Y
86			Plates - (9210) 0 00 00							2485.4					
94	0				+5.05	4.		+5.1		2490.5	TP	0	0	209,858	2,877,507
95	330		183° 19' (38° 40')		6.0	89° -	+5.8	-0.2		2490.3		+258	+206	210,116	2,877,713
96	660		" " " "		5.7	89° -	+11.5	+5.8		2496.3		+515	+412	210,373	2,877,919
97	990		" " " "		6.4	89° -	+17.3	+10.9		2501.4		+773	+619	210,631	2,878,126
98	1320		" " " "		5.8	89° -	+23.1	+17.3		2507.8		+1031	+825	210,889	2,878,332
99	1650		" " " "		7.1	89° -	+28.9	+21.8		2512.3		+1288	+1031	211,146	2,878,538
100	1980		" " " "		5.2	89° -	+34.6	+29.4		2519.9		+1546	+1237	211,404	2,878,744
101	2309		183° 34' (38° 55')		7.1	89° -	+40.4	+33.3		2523.8		+1797	+1450	211,655	2,878,951
102	2640		183° 34' 42"		7.9	89° -	+46.2	+38.3		2529.0	TP	+2054	+1658	211,912	2,879,165
102	2640		(38° 55' 15")		7.6	271° -	+46.2	+38.6	+38.53		TP				
94			0 00 00												STADIA.
102	0				+5.2	4.		+5.2		2534.2	TP	0	0	211,912	2,879,165 ACROSS STATION
103	330		184° 38' (43° 33')		8.6	89° -	+5.8	-2.8		2531.4		+239	+227	213,151	2,879,392
104	660		182° 57' (41° 52')		12.5	89° -	+11.5	-1.0		2533.2		+492	+440	213,404	2,879,605
105	990		182° 21' (41° 16')		13.0	89° -	+17.3	+4.3		2538.5		+744	+653	212,656	2,879,818
106	1320		181° 53' (40° 48')		11.1	89° -	+23.1	+12.0		2546.2		+999	+863	213,911	2,880,028
107	1649		181° 28' (40° 23')		8.9	89° 10'	+24.0	+15.1		2549.3		+1256	+1068	213,168	2,880,233

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-1-83		B. Cotcamp		D. Hamilton		6834		D.H.		12		10			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Deqtl Valley		Tecopa - 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 = 7 grid						2534.2						
108	1979		181° 14' (40 09')		9.1	89° 16'	+28.9	+19.8		2554.0		+1513	+1276	213,425	2,880,441
109	2309		180° 59' (39 54')		9.1	89° 10'	+33.7	+24.6		2558.8		+1771	+1481	213,683	2,880,646
110	2639		180° 48' (39 43')		10.3	89° 10'	+38.5	+28.2		2562.4		+2030	+1686	213,942	2,880,851
111	2968		180° 34' 41"		10.1	89° 10'	+43.3	+33.2		2567.6	TP	+2290	+1888	214,202	2,881,053
111	2968		(39° 29' 56")		9.8	270° 50'	+43.3	+33.5	+33.5		TP				
102			0 00 00												
111	0				+5.2	M.		+5.2	2572.8		X	0	0	214,202	2,881,053
112	330		179° 20' (38 50')		5.6	89° 40'	+1.9	-3.7		2569.1		+257	+207	214,459	2,881,260
113	660		" " " "		7.9	89° 40'	+3.8	-4.1		2568.7		+514	+414	214,716	2,881,467
sec. corner	726		211° 18' 17" (70 48' 13")		4.4	90° 40'	-8.4	-12.8		2560.0	sec. corner	+239	+686	214,441	2,881,739
114	990		179° 20' (38 50')		8.0	89° 40'	+5.8	-2.2		2570.6		+771	+621	214,913	2,881,674
115	1320		" " " "		8.7	89° 40'	+7.7	-1.0		2571.8		+1028	+828	215,230	2,881,881
116	1650		" " " "		7.9	89° 40'	+9.7	+1.8		2574.6		+1285	+1035	215,487	2,882,088
117	1980		" " " "		6.9	89° 40'	+11.6	+4.7		2577.5		+1542	+1242	215,744	2,882,295
118	2310		" " " "		9.3	89° 40'	+13.5	+4.2		2577.0		+1799	+1449	216,001	2,882,502
119	2639		179° 20' 45"		5.9	89° 50'	+7.8	+1.9			TP	+2055	+1655	216,257	2,882,708
119	2639		(38° 50' 41")		5.8	270° 10'	+7.8	+2.0		2574.8	TP				

y=214,510 x=2,881,720
sec. corner. EL. 25600
LAND OFFICE
Survey

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE 3-1-83 INSTRUMENT MAN B. GtCamp ROD MAN D. Hamilton PARTY NUMBER 6834 NOTES CHECKED BY D.H. LINE NO. 12 PAGE 11

AREA Death Valley TOPO MAP Tecopa - 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.		Y
			PLATES = (GRID)							2574.8					
119	0		0 00 00		+5.15	Hi		+5.2	2580.0		X 0	0	216,257	2,882,708	LAST STA. ON GOOD GRAVEL
120	330		181° 08' (39° 59')		5.0	89° 50'	+1.0	-4.0		2576.0	+83	+212	216,510	2,882,920	FIRST STA. ON TRAIL
121	660		180° 25' (39° 16')		5.6	89° 50'	+1.9	-3.7		2576.3	+511	+418	216,768	2,883,126	
122	990		180° 04' (38° 55')		6.2	89° 50'	+2.9	-3.3		2576.7	+770	+622	217,027	2,883,330	
123	1320		180° 14' (39° 05')		5.9	89° 50'	+3.9	-2.0		2578.0	+1025	+832	217,282	2,883,540	
124	1650		180° 00' (38° 51')		6.5	89° 50'	+4.9	-1.6		2578.4	+1285	+1035	217,542	2,883,743	
125	1980		179° 56' (38° 47')		5.7	89° 50'	+5.8	+0.1		2580.1	+1543	+1240	217,800	2,883,948	
126	2307		179° 59' (38° 50')		5.6	89° 50'	+6.8	+1.2		2581.2	+1797	+1447	218,054	2,884,155	
127	2636		179° 47' 12"		7.2	89° 50'	+7.8	+0.6			TP	+2059	+1646	218,316	2,884,354
127	2636		(38° 37' 53")		7.1	270° 10'	+7.8	+0.7		2580.7	TP				
			0 00 00												
119	0		0 00 00		+5.1	Hi		+5.1	2585.8		X 0	0	218,316	2,884,354	
128	329		164° 39' (23° 17')		8.8	89° 20'	+3.8	-5.0		2580.8	+302	+130	218,618	2,884,484	
129	659		164° 11' (22° 49')		7.8	89° 20'	+7.7	-0.1		2585.7	+607	+256	218,923	2,884,610	
130	989		163° 49' (22° 27')		8.0	89° 20'	+11.5	+3.5		2589.3	+914	+378	219,230	2,884,732	
131	1318		163° 21' (21° 59')		7.6	89° 20'	+15.4	+7.8		2593.6	+1222	+493	219,538	2,884,847	
132	1648		162° 51' (21° 29')		4.9	89° 20'	+19.2	+14.3		2600.1	+1534	+604	219,850	2,884,958	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-1-83		B. Catcamp		D. Hamilton		6834		D.N. Y.N.		12		12			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Tecopa-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)						2585.8						
133	1978		162° 29' (21° 07')		5.0	89° 20'	+23.1	+18.1		2603.9		+1845	+713	220,161	2,885,067
134	2308		162° 06' (20° 44')		4.8	89° 20'	+27.0	+22.2		2608.0		+2159	+817	220,475	2,885,171
TP	2421		162° 02' 04"		4.7	89° 20'	+28.3	+23.6			TP	+2265	+854	220,581	2,885,208
TP	2421		(20° 39' 57")		4.6	270° 40'	+28.3	+23.7		2609.5	TP				
127			0° 00' 00"												
TP	0				+5.1	4.		+5.1	2614.6		X	0	0	220,581	2,885,208.3
135	217		178° 51' (19° 31')		8.0	89° 30'	+1.9	-6.1		2608.5		+205	+73	220,786	2,885,281
136	547		" " " "		5.9	89° 30'	+4.8	-1.1		2613.5		+516	+183	221,097	2,885,391
137	877		" " " "		6.3	89° 30'	+7.7	+1.4		2616.0		+827	+293	221,408	2,885,501
138	1207		" " " "		8.1	89° 30'	+10.6	+2.5		2617.1		+1138	+403	221,719	2,885,611
139	1537		" " " "		10.9	89° 30'	+13.5	+2.6		2617.2		+1449	+513	222,030	2,885,721
140	1867		" " " "		9.4	89° 46'	+10.9	+1.5		2616.1		+1760	+624	222,341	2,885,832
141	2195		178° 40' 59"		10.6	89° 44'	+10.3	-0.3			TP	+2071	+727	222,652	2,885,935
141	2195		(19° 20' 56")		10.5	270° 16'	+10.3	-0.2		2614.4	TP				
TP			0° 00' 00"												
141	0				+5.0	4.		+5.0	2619.4		X	0	0	222,652	2,885,935
142	330		177° 20' (16° 41')		6.5	-		-6.5		2612.9		+316	+95	222,968	2,886,030

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-1-83		B. Cotcamp		D. Hamilton		6834		D.H.		12		13			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Depth Valley		TECOPA-15'		CALIF.		INyo								L. O. 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
			PLATS → (9R10)						2619.4						
143	660		176° 34' (15° 35')		8.0	-		-8.0		2611.4		+635	+181	223,287	2,886,116
144	990		175° 51' (15° 18')		9.0	-		-9.0		2610.4		+955	+261	223,607	2,886,116
145	1320		175° 35' (14° 56')		9.0	-		-9.0		2610.4		+1275	+340	223,927	2,886,215
146	1649		175° 16' (14° 36')		7.8	-	+0.1	-7.7		2611.7		+1596	+416	224,248	2,886,351
147	1979		174° 54' (14° 15')		8.1	-	+0.1	-8.0		2611.4		+1918	+487	224,570	2,886,422
148	2308		174° 37' (13° 58')		8.7	-	+0.1	-8.6		2610.8		+2240	+557	224,892	2,886,492
149	2638		174° 32' (13° 53')		6.3	-	+0.1	-6.2		2613.2		+2561	+633	225,213	2,886,568
SEC. CORN.	2611		176° 52' 08" (16° 13' 04")		4.9	-	+0.1	-4.8		2614.6	SEC. CORN.	+2507	+729	225,159	2,886,644
150	2968		174° 27' 32"		12.1	89° 50'	+8.8	-3.3		2616.3	TP	+2882	+708	225,534	2,886,643
150	2968		(13° 48' 28")		11.8	270° 10'	+8.8	-3.0			TP				
															E.O.D. 3-1-83
141			0° 00' 00"												
150	0				+4.9	Hi		+4.9		2621.2		0	0	225,534	2,886,643
151	330		179° 42' (13° 30')		6.6	89° 20'	+3.8	-2.8		2618.4		+321	+77	225,855	2,886,720
152	660		" " " "		8.1	89° 20'	+7.7	-0.4		2620.8		+642	+154	226,176	2,886,797
153	990		" " " "		9.9	89° 20'	+11.5	+1.6		2622.8		+963	+231	226,497	2,886,874
154	1319		" " " "		10.6	89° 20'	+15.4	+4.8		2626.0		+1283	+308	226,817	2,886,951
155	1648		179° 23' 42"		10.5	89° 20'	+19.2	+8.7		2629.9	TP	+1604	+376	227,138	2,887,019
155	1648		(13° 12' 16")		10.5	270° 40'	+19.2	+8.7			TP				

4-225,180 x-2,886,680
SEC. CORN. EL. 2617.0
LAND OFFICE
RAINED OUT. SURVEY
E.O.D. 3-1-83

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3-2-83		B. Cotcamp		D. Hamilton		6834		D.H.		12	14					
AREA		TOPO MAP		STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER							
Death Valley		TECOPA-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		REMARKS
														Y	X	
			PLATES → (9110)													
150			0 00 00							2629.9						
155	0				+4.9	41'		+4.9	2634.8		TP	0	0	227,138	2,887,019	
156	330		167° 44' (10° 56')		5.6	89° 30'	+2.9	-2.7		2632.1		+330	+5	227,468	2,887,024	
157	659		168° 37' (1° 49')		5.9	89° 30'	+5.8	-0.1		2634.7		+659	+21	227,797	2,887,040	
158	987		166° 19' (359° 31')		5.0	89° 30'	+8.6	+3.6		2638.4		+987	-8	228,125	2,887,011	
159	1316		165° 36' (358° 48')		8.8	89° 20'	+15.3	+6.5		2641.3		+1316	-28	228,454	2,886,971	
160	1646		164° 37' (357° 49')		11.9	89° 20'	+19.2	+7.3		2642.1		+1645	-63	228,783	2,886,956	
161	1975		164° 42' (357° 54')		12.7	89° 20'	+23.1	+10.4		2645.2		+1974	-72	229,112	2,886,947	
162	2303		165° 37' (358° 49')		12.0	89° 20'	+26.9	+14.9		2649.7		+2303	-48	229,441	2,886,971	
163	2631		165° 08' (358° 20')		8.5	89° 26'	+26.2	+17.7		2652.5		+2630	-77	229,768	2,886,942	
164	2960		165° 03' (358° 15')		8.4	89° 26'	+29.5	+21.1		2655.9		+2959	-90	229,697	2,886,929	
165	3290		164° 56' 29"		8.1	89° 26'	+32.8	+24.7			TP	+3288	-107	230,426	2,886,912	
165	3290		(358° 08' 39")		8.0	20° 31'	+32.8	+24.8		2659.6	TP					
155			0 00 00													
165	0				+4.95	41'		+5.0	2664.6		TP	0	0	230,426	2,886,912	
166	329		185° 08' (3° 17')		7.7	89° -	+5.7	-2.0		2662.6		+328	+19	230,754	2,886,931	
167	659		184° 48' (2° 57')		8.7	89° -	+11.5	+2.8		2667.4		+658	+34	231,084	2,886,946	
168	989		186° 01' (4° 10')		9.0	89° -	+17.3	+8.3		2672.9		+986	-72	231,412	2,886,984	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-2-83		B. Cotcamp		B. Ham, HDN		6834		D.H.		12		15			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		TECOPA-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 → (GRID)						2664.6						
169	1318		187° 12' (5° 21')		9.7	89° -	+ 23.0	+13.3		2677.9		+1312	+123	231,738	2,887,035
170	1645		188° 41' (6° 50')		11.2	89° -	+ 28.8	+17.6		2682.2		+1633	+196	232,059	2,887,108
171	1973		189° 57' (8° 06')		8.0	89° 10'	+ 28.8	+20.8		2685.4		+1953	+278	232,379	2,887,190
172	2302		189° 41' (7° 50')		7.8	89° 10'	+ 33.6	+ 25.8		2690.4		+2281	+314	232,707	2,887,226
173	2632		189° 55' (8° 04')		7.2	89° 10'	+ 38.4	+ 31.2		2695.8		+2606	+369	233,032	2,887,281
174	2953		191° 23' (9° 32')		9.0	89° 10'	+ 43.1	+ 34.1		2698.7		+2912	+489	233,338	2,887,401
175	3278		192° 26' (10° 35')		11.1	89° 10'	+ 47.9	+ 36.8		2701.4		+3222	+602	266,648	2,887,514
176	3606		192° 58' (11° 07')		11.1	89° 10'	+ 52.7	+ 41.6		2706.2		+3538	+695	253,964	2,887,607
177	3935		193° 19' (11° 28')		7.0	89° 16'	+ 50.7	+ 43.7		2708.3		+3856	+782	234,282	2,887,684
178	4265		193° 46' (11° 49')		8.0	89° 16'	+ 55.0	+ 47.0		2711.6		+4175	+873	234,601	2,887,785
179	4590		194° 15' (12° 24')		8.2	89° 16'	+ 59.2	+ 51.0		2715.6		+4483	+986	234,909	2,887,898
180	4915		193° 35' (11° 44')		7.4	89° 16'	+ 63.4	+ 56.0		2720.6		+4812	+1000	235,232	2,887,912
181	5242		193° 10' 52"		6.8	89° 16'	+ 67.7	+ 60.9			TP	+5140	+1029	235,566	2,887,941
181	5242		(11° 19' 31")		6.7	210° 44'	+ 67.7	+ 61.0		2725.6	TP				
165			0 00 00												
181	0				+4.95	H.		+5.0		2730.6	TP	0	0	235,566	2,887,941
182	330		173° 46' (5° 06')		5.3	89° 10'	+ 4.8	-0.5		2730.1		+329	+29	235,895	2,887,970
183	660.658 p.s.c.		175° 48' (7° 08')		5.7	89° 10'	+ 9.6	+ 3.9		2734.5		+327	+41	235,893	2,887,982

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-2-83		B. Cotcamp		D. Hamilton		6834		AD		12		16			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Depth Valley		HORSE THIEF SPRINGS-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 → (92.0)						2730.6						
184	987		176° 03' (7° 23')		10.0	88° 58'	+17.8	+7.8		2738.4		+979	+127	236,545	2,888,068
185	1314		174° 11' (5° 31')		8.1	89° 06'	+26.7	+12.6		2743.2		+1308	+126	236,874	2,888,067
186	1642		174° 11' 11"		7.8	89° 10'	+23.9	+16.1		2746.7	TP	+1634	+158	237,197	2,888,099
186	1642		(5° 30' 42")		7.8	270° 50'	+23.9	+16.1			TP	-3			
181			0° 00' 00"												
186	0				+5.1	Hi		+5.1	2751.8		TP	0	0	237,197	2,888,099
187	330		184° 38' (10° 09')		7.7	89° 20'	+3.8	-3.9		2747.9		+325	+58	237,522	2,888,157
188	660		" " " "		6.9	89° 20'	+7.7	+0.8		2752.6		+650	+116	237,847	2,888,215
189	990		" " " "		8.6	89° 20'	+11.5	+2.9		2754.7		+975	+174	238,172	2,888,273
190	1320		184° 14' (9° 45')		7.5	89° 20'	+15.4	+7.9		2759.7		+1301	+224	238,498	2,888,323
191	1648		185° 19' (10° 50')		6.7	89° 20'	+19.2	+12.5		2764.3		+1619	+310	238,816	2,888,409
192	1978		185° 21' (10° 52')		6.9	89° 20'	+23.1	+16.2		2768.0		+1943	+373	239,140	2,888,472
193	2306		184° 29' (10° 00')		6.6	89° 20'	+26.9	+20.3		2772.1		+2271	+400	239,468	2,888,499
194	2636		184° 28' (9° 59')		5.8	89° 20'	+30.8	+25.0		2776.8		+2596	+457	239,793	2,888,556
195	2965		184° 18' (9° 49')		5.7	89° 20'	+34.7	+29.0		2780.8		+2922	+506	240,119	2,888,605
196	3295		184° 08' (9° 39')		8.3	89° 16'	+42.4	+34.1		2785.9		+3248	+552	240,445	2,888,651
197	3623		184° 29' (10° 00')		10.0	89° 16'	+46.6	+36.6		2788.4		+3568	+629	240,765	2,888,728
198	3950		184° 49' (10° 20')		9.7	89° 16'	+50.9	+41.2		2793.0		+3886	+709	241,083	2,888,808

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-2-83		B. Cotcamp		D. Hamilton		6834		D.H.		12		17			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		HORSE TRICE SPRINGS-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 → (GRID)						2751.8						
199	4277		185° 21' (10° 52')		11.8	89° 16'	+55.1	+43.3		2795.1		+4200	+806	241,397	2,888,905
200	4605		185° 45' (11° 16')		7.9	89° 20'	+54.0	+46.1		2797.9		+4516	+900	241,713	2,888,999
201	4934		185° 59' 18"		9.3	89° 20'	+57.9	+48.6			TP	+4835	+984	242,029	2,889,083
201	4934		(11° 30' 00")		9.2	276° 40'	+57.9	+48.7		2800.5	TP				
186			0° 00' 00"												stadia.
201	0				+4.85	M.		+4.9	2805.4		TP	0	0	242,029	2,889,083
202	330		182° 36' (14° 00')		5.8	89° 40'	+1.9	-3.9		2801.5		+320	+80	242,349	2,889,163
203	660		" " " "		7.1	89° 40'	+3.8	-3.3		2802.1		+640	+160	242,669	2,889,243
204	988		184° 12' (15° 42')		7.3	89° 40'	+5.8	-1.5		2803.9		+951	+267	242,490	2,889,350
205	1317		184° 04' (15° 34')		9.8	89° 40'	+7.7	-2.1		2803.3		+1269	+353	243,298	2,889,436
206 TP	1483		182° 12' 54"		7.2	89° 50'	+4.4	-2.8		2802.6	TP	+1441	+352	243,467	2,889,439
TP	1483		(13° 42' 54")		7.2	270° 10'	+4.4	-2.8			TP				
201			0° 00' 00"												
TP	0				+5.1	M.		+5.1	2807.7		TP	0	0	243,467	2,889,439
206	158		166° 55' (0° 38')		5.2	-		-5.2		2802.5		+158	+2	243,625	2,889,441
207	480		174° 44' (8° 27')		9.8	-		-9.8		2797.9		+475	+71	243,942	2,889,510
208	805		175° 39' (9° 22')		6.9	90° 30'	-7.0	-13.9		2793.8		+794	+131	244,261	2,889,570

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE								
3-2-83		B. Cotcamp		D. Hamilton		6834		D.H.		12		18								
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER						
Death Valley		HORSE THIEF SPRINGS-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 -		EAST + WEST -		COORDINATES		REMARKS		
												LAT.	DEP.	Y	X					
			PLATES → (grid)						2807.7											
209	1134		176° 10' (9° 53')		10.2	90° 30'	-9.9	-20.1		2787.6		+117	+195	244,584	2,889,634					
TP ₂	1158		175° 57' 03"		10.5	90° 30'	-10.1	-20.6		2787.1	TP	+1142	+194	244,606	2,889,637					
TP ₂	1158		(9° 39' 57")		10.5	269° 30'	-10.1	-20.6			TP	-3	+4							
TP ₁			0° 00' 00"																	
TP ₂	0				+4.95	4i		+5.0	2792.1		π	0	0	244,606	2,889,637					
210	303		178° 10' (7° 50')		7.1	90° 40'	-3.5	-10.6		2781.5		+300	+41	244,906	2,889,678					
211	628		183° 00' (12° 40')		11.1	90° 40'	-7.3	-18.4		2773.7		+681	+153	245,287	2,889,790					
YF	630		182° 28' 03" (12° 08')		7.4	91° -	-11.0	-18.4		2773.7	YF	+616	+132	245,222	2,889,769					
Bm	746		184° 20' 30" (14° 00' 27")		7.8	91° -	-13.0	-20.8		2771.3	Bm	+724	+181	245,330	2,889,818	Bm U.S.G.S EL. 2772.0				
212	957		180° 23' (10° 03')		6.9	91° 10'	-19.5	-26.4		2765.7		+942	+167	245,848	2,889,804					
TP ₃	1263		181° 42' 02"		9.4	91° 10'	-25.7	-35.1		2757.0	TP	+1238	+249	245,841	2,889,890					
TP ₃	1263		(11° 21' 59")		9.4	91° 10'	-25.7	-35.1			TP	-3	+4							
TP ₂			11° 24' 30"																	
TP ₃	0		0° 00' 00"		+5.0	4i		+5.0	2762.0		π	0	0	245,841	2,889,890					
213	26		223° 06' (54° 30')		6.0	-		-6.0		2756.0		+15	+21	245,856	2,889,911					
214	345		191° 13' (22° 37')		9.2	91° 26'	-8.0	-17.2		2744.8		+318	+133	246,159	2,890,023					
215	668		183° 20' (14° 44')		10.7	91° 20'	-15.5	-26.2		2735.8		+646	+170	246,487	2,890,060					

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3.4.83		B. Cotcamp		D. Hamilton		6834		D.H.		12	19					
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER								
Depth Valley		Horse Thief Springs-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 7 (GRID)						2762.0							
216	990		178° 39' (10° 03')		10.3	91° 20'	-23.0	-33.3		2728.7		+975	+73	246,816	2,890,063	
217	1317		176° 51' (8° 15')		10.2	91° 20'	-30.6	-40.8		2721.2		+1303	+189	247,144	2,890,079	
218	1641		174° 47' (6° 11')		10.0	91° 20'	-38.1	-48.1		2713.9		+1631	+177	247,472	2,890,067	
219	1970		175° 01' (6° 25')		10.3	91° 20'	-45.8	-56.1		2705.9		+1958	+220	247,799	2,890,110	
220	2295		173° 42' (5° 06')		11.4	91° 20'	-53.3	-64.7		2697.3		+2286	+204	248,127	2,890,094	
221	2623		172° 54' (4° 18')		12.7	91° 20'	-60.9	-73.6		2688.4		+2616	+197	248,457	2,890,087	
222	2951		172° 24' 02"		8.5	91° 26'	-73.6	-82.1			TP	+2944	+196	248,782	2,890,090	
222	2951		(3° 48' 30")		8.4	268° 34'	-73.6	-82.0		2680.0	TP	-3	+4			
TP3			0° 00' 00"													
222	0				+5.25	Hi		+5.3	2685.3		TP	0	0	248,782	2,890,090	
223	330		176° 07' (359° 56')		5.6	91° 30'	-8.6	-14.2		2671.1		+330	+0	249,112	2,890,090	
224	660		175° 25' (359° 14')		5.7	91° 30'	-17.3	-23.0		2662.3		+660	-9	249,442	2,890,081	
225	990		" " " "		6.0	91° 30'	-25.9	-31.9		2653.4		+990	+3	249,772	2,890,077	
226	1319		" " " "		6.7	91° 30'	-34.5	-41.2		2644.1		+1319	+8	250,101	2,890,072	
227	1648		175° 55' (359° 44')		7.2	91° 30'	-43.1	-50.3		2635.0		+1648	-8	250,430	2,890,082	
228	1978		175° 58' (359° 47')		7.1	91° 30'	-51.7	-58.8		2626.5		+1978	-7	250,760	2,890,083	
229	2308		176° 05' (359° 54')		6.9	91° 30'	-60.3	-67.2		2618.1		+2308	-4	251,090	2,890,086	
230	2637		176° 17' (00° 06')		6.9	91° 30'	-68.9	-75.8		2609.5		+2637	+5	251,419	2,890,095	

SURVEY NOTES-HIGH RESOLUTION DATA
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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3.4.83		B. Cotcamp		D. Hamilton		6834		D.H.		12	20					
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER								
Death Valley		HOSE THIEF SPRINGS-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)						2685.3							
231	2968		176° 21' (00° 10')		8.6	91° 26'	-74.1	-82.7		2602.6		+2968	+9	251,750	2,890,099	
232	3298		176° 28' (0° 16' 30")		7.0	91° 26'	-82.3	-89.3		2596.0	TP	+3298	+16	252,080	2,890,106	→ 252,120 X - 2,890,075 ↑ T-TRAIL. EAST. EL. 2598.0
233	3627		176° 34' (00° 23')		7.1	91° 26'	-90.5	-97.6		2587.7		+3627	+24	252,409	2,890,114	
234	3957		" " " "		6.0	91° 26'	-98.7	-104.7		2580.6		+3957	+26	252,739	2,890,116	
235	4287		176° 39' (00° 28')		11.7	91° 20'	-99.4	-111.1		2574.2		+4287	+35	253,069	2,890,125	
236	4617		176° 41' (00° 30')		10.0	91° 20'	-107.0	-117.0		2568.3		+4617	+40	253,399	2,890,130	
237	4946		176° 46' (00° 35')		8.0	91° 20'	-114.6	-122.6		2562.7		+4946	+50	253,728	2,890,140	
238	5277		176° 48' 12"		10.4	91° 16'	-116.1	-126.5		2558.7	TP	+5275	+56	254,054	2,890,150	
238	5277		(0° 36' 42")		10.7	268° 41'	-116.1	-126.8	-126.63		TP	-3	+4			
222			0° 00' 00"													
238	0				+5.2	M.		+5.2	2563.9		TP	0	0	254,054	2,890,150	
239	330		177° 14' (357° 51')		6.0	90° 30'	-2.9	-8.9		2555.0		+330	+72	254,384	2,890,138	
240	660		177° 38' (358° 15')		7.1	90° 30'	-5.8	-12.9		2551.0		+660	+20	254,714	2,890,130	
241	989		176° 58' (357° 35')		8.1	90° 30'	-8.6	-16.7		2547.2		+988	+42	255,042	2,890,108	
242	1314		179° 03' (359° 40')		8.2	90° 30'	-11.4	-19.6		2544.3		+1314	+8	255,368	2,890,142	
243	1638		181° 34' (2° 11')		9.0	90° 30'	-14.2	-23.2		2540.7		+1637	+62	255,691	2,890,212	
244	1965		182° 57' (3° 34')		9.8	90° 30'	-17.1	-26.9		2537.0		+1961	+122	256,015	2,890,272	↑
245	2291		183° 46' (4° 23')		10.0	90° 30'	-19.9	-29.9		2534.0		+2284	+175	256,338	2,890,325	↑ HOSE THIEF SPRINGS-15' PANRump-15' ↓

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.4.83		B. Cotcamp		D. Hamilton		6834		D.H. <i>FD</i>		12		21			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		PAMRump-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 7(92.0)						2563.9						
246	2621		183° 29' (4° 06')		10.0	90° 30'	-22.7	-32.7		2531.2		+2614	+187	256,668	2,890,337
247	2948		182° 50' (3° 27')		9.2	90° 30'	-25.5	-34.7		2529.2		+2943	+177	256,997	2,890,327
248	3273		181° 53' (2° 30')		9.8	90° 30'	-28.3	-38.1		2525.8		+3270	+143	257,324	2,890,293
249	3602		181° 50' (2° 27')		10.0	90° 30'	-31.2	-41.2		2522.7		+3599	+154	257,653	2,890,304
250	3932		181° 49' (2° 28')		9.7	90° 30'	-34.0	-43.7		2520.2		+3928	+169	257,982	2,890,319
251	4262		182° 03' (2° 40')		8.9	90° 30'	-36.8	-45.7		2518.2		+4257	+198	258,311	2,890,348
252	4591		182° 11' 28"		8.8	90° 30'	-39.6	-48.4		2515.5	TP	+4585	+232	258,636	2,890,386
252	4591		(2° 54' 10")		8.9	269° 30'	-39.6	-48.5			TP	-3	+4		
238			0 00 00												
SEC. CORN	1159		336° 08' 34" (159° 02' 44")								SEC. CORN	-1082	+414	257,554	2,890,800
252	0				+5.05	H.		+5.1	2520.6		X	0	0	258,636	2,890,386
Bm	274		192° 01' 18" (14° 53' 28")		4.6	-		-4.6	2516.0		Bm	+265	+71	258,901	2,890,457
253	330		186° 57' (9° 51')		6.3	-		-6.3	2514.3		Bm	+325	+56	258,961	2,890,442
254	659		185° 46' (8° 40')		6.7	-		-6.7	2513.9			+651	+99	259,227	2,890,485
255	986		182° 43' (5° 37')		6.2	-		-6.2	2514.4			+981	+97	259,617	2,890,483
256	1315		182° 06' (5° 00')		6.4	-		-6.4	2514.2			+1310	+115	259,946	2,890,501
257	1645		182° 36' (5° 30')		6.4	-	+0.1	-6.3	2514.3			+1637	+158	260,273	2,890,544
258	1975		183° 06' (6° 00')		6.6	-	+0.1	-6.5	2514.1			+1964	+206	260,600	2,890,592

y - 257,560 x - 2,890,785
No corner found
Survey LATHES were called
section corner
y - 2,58,985 x - 2,890,510
U.S. C.S. Bm. E.L. 2517.0

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-6-83		B. Cotcamp		D. Hamilton		6834		D.H. LD		12		22			
AREA		TOPOG MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		PAHRUMP-15'		NEVADA CALIF.		MYE INDO								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)						2520.6						
259	2294		184° 53' (17° 47')		6.7	-	+0.1	-6.6		2514.0		+2273	+311	260,909	2,890,697
260	2586		188° 28' (11° 22')		7.0	-	+0.1	-6.9		2513.7		+2535	+510	261,171	2,890,896
261	2905		190° 13' (13° 07')		6.8	-	+0.2	-6.6		2514.0		+2829	+659	261,465	2,891,045
262	3233		190° 52' (13° 46')		6.9	-	+0.2	-6.7		2513.9		+3140	+769	261,776	2,891,155
263	3557		191° 43' (14° 37')		6.9	-	+0.3	-6.6		2514.0		+3442	+898	262,078	2,891,284
264	3881		192° 46' (15° 40')		6.9	-	+0.3	-6.6		2514.0		+3737	+1048	262,373	2,891,434
265	4206		193° 33' (16° 27')		6.9	-	+0.4	-6.5		2514.1		+4034	+1191	262,670	2,891,577
266	4533		194° 06' (17° 00')		7.0	-	+0.4	-6.6		2514.0		+4335	+1325	262,971	2,891,711
267	4859		194° 42' (17° 36')		7.0	-	+0.5	-6.5		2514.1		+4632	+1469	263,268	2,891,855
268	5185		195° 17' 23"		7.2	-	+0.6	-6.6			TP	+4926	+1619	263,559	2,892,009
268	5185		(18° 11' 33")		7.1	270°	+0.6	-6.5		2514.1	TP	-3	-4		
252			0° 00' 00"												
268	0				+5.2	Hi		+5.2	2519.3		X	0	0	263,559	2,892,009
269	330		191° 23' (29° 35')		5.3	-		-5.3		2514.0		+287	+163	263,846	2,892,172
270	660		189° 35' (27° 47')		5.6	-		-5.6		2513.7		+584	+308	264,143	2,892,317
271	990		189° 16' (27° 28')		5.8	-		-5.8		2513.5		+878	+457	264,437	2,892,466
272	1320		189° 00' (27° 12')		5.9	-		-5.9		2513.4		+1174	+603	264,733	2,892,612
273	1650		188° 41' (26° 53')		6.0	-	+0.1	-5.9		2513.4		+1472	+746	265,031	2,892,755

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.6.83		B. Cutcamp		D. Hamilton		6834		D.H. <i>JD</i>		12		23			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Panump - 15'		NEVADA CALIF.		MYE 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 → (9 Rio)						2519.3						
274	1979		188° 16' (26° 22')		6.0	-	+0.1	-5.9		2513.4		+1773	-879	265,332	2,892,888
275	2309		187° 43' (25° 54')		6.1	-	+0.1	-6.0		2513.3		+2077	+1009	265,636	2,893,018
276	2638		187° 15' (25° 27')		6.3	-	+0.1	-6.2		2513.1		+2382	+1134	265,942	2,893,143
277	2968		186° 48' (25° 00')		6.3	-	+0.2	-6.1		2513.2		+2690	+1254	266,249	2,893,263
278	3296		186° 12' (24° 24')		6.4	-	+0.2	-6.2		2513.1		+3002	+1362	266,561	2,893,371
279	3624		185° 42' (23° 54')		6.8	-	+0.3	-6.5		2512.8		+3313	+1468	266,872	2,893,477
280	3953		185° 14' (23° 26')		6.9	-	+0.3	-6.6		2512.7		+3627	+1572	267,186	2,893,581
281	4282		184° 48' (23° 00')		7.1	-	+0.4	-6.7		2512.6		+3942	+1673	267,501	2,893,682
282	4610		184° 26' (22° 38')		7.2	-	+0.4	-6.8		2512.5		+4255	+1774	267,814	2,893,783
283	4939		184° 06' (22° 18')		7.7	-	+0.5	-7.2		2512.1		+4570	+1874	268,129	2,893,883
284	5268		183° 47' (21° 59')		7.8	-	+0.6	-7.2		2512.1		+4885	+1972	268,444	2,893,981
285	5597		183° 31' 08"		7.6	-	+0.6	-7.0		2512.3	TP	+5200	+2071	268,756	2,894,084
285	5597		(21° 42' 41")		7.7	270-	+0.6	-7.1			TP	-3	+4		
268			0° 00' 00"												
285	0				+5.2	Hi		+5.2	2517.5		TP	0	0	268,756	2,894,084
286	330		174° 25' (16° 08')		5.3	-		-5.3		2512.2		+317	+92	269,073	2,894,176
287	660		" " " "		5.3	-		-5.3		2512.2		+634	+183	269,390	2,894,267
288	990		" " " "		5.5	-		-5.5		2512.0		+951	+275	269,707	2,894,359

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3-6-83		B. Cotcamp		D. Hamilton		6834		D.H.		12	24					
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER								
Death Valley		PanRump-15'	NEVADA CALIF.	WYE	2N30			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	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
			PLATES → (GRID)						2517.5							
289	1320		174° 25' (16° 08')		5.7	-		-5.7		2511.8		+1268	+367	270,024	2,894,451	
290	1650		" " " "		5.8	-	+0.1	-5.7		2511.8		+1585	+458	270,341	2,894,542	
291	1980		174° 43' (16° 26')		5.9	-	+0.1	-5.8		2511.7		+1999	+560	270,655	2,894,644	
292	2306		175° 50' (17° 33')		5.9	-	+0.1	-5.8		2511.7		+2199	+695	270,955	2,894,779	
293	2636		" " " "		5.9	-	+0.1	-5.8		2511.7		+2513	+795	271,269	2,894,879	
294	2962		176° 54' (18° 37')		5.0	-	+0.2	-4.8		2512.7		+2907	+946	271,563	2,895,030	
295	3288		177° 50' (19° 33')		9.1	89° 54'	+6.0	-3.1		2514.4		+3098	+1100	271,854	2,895,184	
296	3608		179° 04' (20° 47')		9.0	89° 54'	+6.6	-2.4		2515.1		+3373	+1280	272,129	2,895,364	
297	3927		180° 16' (21° 59')		8.2	89° 54'	+7.2	-1.0		2516.5		+3641	+1470	272,397	2,895,554	
298	4256		180° 32' (22° 15')		7.2	89° 54'	+7.8	+0.6		2518.1		+3939	+1612	272,695	2,895,696	
299	4586		180° 53' (22° 36')		6.1	89° 54'	+8.4	+2.3		2519.8		+4234	+1762	272,990	2,895,846	
300	4913		181° 23' (23° 06')		10.9	89° 50'	+14.8	+3.9		2521.4		+4519	+1928	273,275	2,896,012	
301	5241		181° 50' (23° 33')		10.2	89° 50'	+15.8	+5.6		2523.1		+4804	+2094	273,560	2,896,178	
302	5569		182° 11' 04"		9.6	89° 50'	+16.8	+7.2		2524.6	TP	+5092	+2256	273,844	2,896,344	
302	5569		(23° 53' 45")		9.9	270° 10'	+16.8	+6.9	+7.13		TP	-4	+4			
285			0° 00' 00"													
302	0				+5.15	Hi		+5.2	2529.8		TP	0	0	273,844	2,896,344	
303	330		186° 52' (30° 46')		6.4	89° 30'	+2.9	-3.5		2526.3		+284	+169	274,128	2,896,513	

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.4.83		B. Cotcamp		D. Hamilton		6834		AD		12		26			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Pahrump-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-	EAST+ WEST-		Y
			PLATES 7(32.0)												
302			0 00 00												
309	0			+5.05	Mi			+5.1	2545.1		T	0	0	275,724	2897,640
310	330		172° 19' (26° 45')		6.1	89° 30'	+2.9	-3.2		2541.9		+295	+149	276,019	2,897,789
311	660		172° 56' (27° 22')		7.1	89° 30'	+5.8	-1.3		2543.8		+586	+303	276,310	2,897,943
312	989		173° 27' (27° 53')		7.9	89° 30'	+8.7	+0.8		2545.9		+874	+463	276,598	2,898,103
313	1319		173° 04' (27° 30')		8.3	89° 30'	+11.5	+3.2		2548.3		+1170	+609	276,894	2,898,249
314	1647		172° 06' (26° 32')		8.1	89° 30'	+14.4	+6.3		2551.4		+1474	+736	277,498	2,898,376
315	1975		171° 06' (25° 32')		8.1	89° 30'	+17.3	+9.2		2554.3		+1782	+851	277,506	2,898,491
316	2303		171° 36' (26° 02')		9.0	89° 30'	+20.2	+11.2		2556.3		+2069	+7011	277,793	2,898,651
sec. CORNER	2823		189° 06' 18" (43° 32' 38")		4.8	89° 30'	+33.0	+28.2		2573.3	sec. CORNER	+2046	+1945	277,770	2,899,585
317	2632		171° 38' (26° 04')		9.0	89° 30'	+23.1	+14.1		2559.2		+2364	+1157	278,088	2,898,777
318	2963		171° 25' 30"		9.2	89° 30'	+26.0	+16.8			TP	+2666	+1293	278,387	2,898,932
318	2963		(25° 54' 15")		9.1	270° 30'	+26.0	+16.9		2562.0	TP	-3	-1		
309			0 00 00												
318	0			+5.3	Mi			+5.3	2567.3		T	0	0	278,387	2,898,932
319	330		191° 25' (37° 19')		6.2	89° 10'	+4.8	-1.4		2565.9		+282	+200	278,649	2,899,132
320	658		194° 33' (40° 27')		8.7	89° 10'	+9.6	+0.9		2568.2		+501	+427	278,888	2,899,359
321	976		189° 41' (35° 35')		12.3	89° 10'	+14.2	+1.9		2569.2		+794	+568	279,181	2,899,500

corrected grid Azim.
from 34° 26' 20" to
34° 28' 45" sunshot
taken @ this T

CALIFORNIA ↑ Inyo Co.
NEVADA ↓ Nye Co.
y = 277,770 x = 2,899,585
Sec. CORNER EL. 2576.0
U.S. GENERAL LAND
OFFICE SURVEY
Horiz. y = -38'
Corr. x = +40'

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.4.83		B. Cotcamp		D. Hamilton		6834		D.H.		12		27			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		PARKMAN-15'		CALIF. NEVADA		INYO NYE								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 -7 (92.0)						2567.3						
322	1297		185° 45' (31° 39')		10.1	89° 20'	+15.1	+5.0		2572.3		+1104	+681	279,491	2,899,613
323	1582		180° 22' (26° 16')		7.8	89° 30'	+13.9	+6.1		2573.4		+1419	+700	279,806	2,899,632
324	1910		180° 04' (25° 58')		8.5	89° 30'	+16.7	+8.2		2575.5		+1717	+836	280,104	2,899,768
325	2239		179° 29' (25° 23')		8.2	89° 30'	+19.6	+11.4		2578.7		+2023	+960	280,410	2,899,892
326	2569		179° 19' 43"		9.2	89° 30'	+22.6	+13.4			TP	+2324	+1095	280,708	2,900,026
326	2569		(25° 13' 58")		9.1	770° 30'	+22.6	+13.5		2580.8	TP	-3	-1		
318			0° 00' 00"												
326	0				+4.95	Hi		+5.0	2585.8		X	0	0	280,708	2,900,026
327	330		177° 24' (22° 38')		6.8	89° 30'	+2.9	-3.9		2581.9		+305	+127	281,013	2,900,153
328	639		186° 20' (31° 34')		5.7	89° 30'	+5.6	-0.1		2585.7		+544	+335	281,252	2,900,361
329	924		198° 30' (43° 44')		5.9	89° 30'	+8.1	+2.2		2588.0		+668	+639	281,376	2,900,665
330	1207		207° 50' (53° 04')		7.7	89° 20'	+14.1	+6.4		2592.2		+725	+965	281,433	2,900,991
331	1529		210° 41' (55° 55')		9.7	89° 20'	+17.8	+8.1		2593.9		+857	+1266	281,565	2,901,292
332	1853		212° 40' (57° 54')		7.3	89° 30'	+16.2	+8.9		2594.7		+985	+1570	281,493	2,901,596
333	2176		211° 19' (56° 33')		7.4	89° 30'	+19.1	+11.7		2597.5		+1199	+1816	281,907	2,901,842
334	2502		211° 12' (56° 26')		7.1	89° 30'	+22.0	+14.9		2600.7		+1383	+2085	282,091	2,902,111
335	2826		209° 55' (55° 09')		8.4	89° 30'	+24.9	+16.4		2602.2		+1615	+2319	282,328	2,902,345
336	3143		208° 16' (53° 30')		8.9	89° 30'	+27.6	+18.7		2604.5		+1870	+2527	282,578	2,902,553

AROUND
CORNER

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
3-4-83		B. Cotcamp		D. Ham: How		6834		D.H.		12	28			
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER						
Death Valley		PAHRUMP - 15'	NEVADA	NYE				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.	
			PLATES → (9210)						2685.8					
337	3471		207° 44' (52° 58')		7.9	89° 30'	+30.5	+22.6		2608.4		+2091	+2771	282,799 2902,797
338	3799		207° 15' (52° 29')		7.7	89° 30'	+33.4	+25.7		2611.5		+2314	+3013	283,022 2,903,039
339	4128		207° 07' (52° 21')		6.7	89° 30'	+36.4	+29.7		2615.5		+2522	+3268	283,230 2,903,294
340	4457		206° 47' (52° 01')		6.4	89° 30'	+39.3	+32.9		2618.7		+2743	+3513	283,451 2,903,539
341	4786		206° 31' (51° 45')		6.1	89° 30'	+42.2	+36.1		2621.9		+2963	+3759	283,671 2,903,785
342	5109		206° 42' (51° 56')		5.0	89° 30'	+45.1	+40.1		2625.9		+3150	+4022	283,858 2,904,048
343	5435		206° 38' 35"		9.1	89° 26'	+54.4	+45.3			TP	+3355	+4275	284,060 2,904,300
343	5435		(51° 52' 33")		9.0	270° 34'	+54.4	+45.4		2631.2	TP	-3	-1	
322			0° 00' 00"											
343	0				+5.1	Hi		+5.1		2636.3	TP	0	0	284,060 2,904,300
344	325		183° 36' (55° 29')		6.8	87° 30'	+14.2	+7.4		2643.7		+184	+268	284,244 2,904,568
345	647		180° 51' (52° 44')		10.1	87° 50'	+24.5	+14.4		2650.7		+392	+515	284,452 2,904,815
TP	744		179° 10' 30"		8.6	88° -	+26.0	+17.4		2653.7	TP	+467	+578	284,524 2,904,877
TP	744		(51° 03' 03")		8.6	272° -	+26.0	+17.4			TP	-3	-1	
343			0° 00' 00"											STAD.
TP	0				+5.1	Hi		+5.1		2658.8	TP	0	0	284,524 2,904,877
346	234		194° 57' (66° 00')		8.8	89° -	+4.1	-4.7		2654.1		+95	+214	284,619 2,905,091

SURVEY NOTES-HIGH RESOLUTION DATA
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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
3.4.83		B. Cotcamp		D. Hamilton		6834		N.H. <i>RAD</i>		12	29						
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER									
Death Valley		Pahrump - 15'	NEVADA	NYE				L. Oavis									
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 -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
			PLATES → (9210)						2658.8								
347	563		193° 38' (64° 41')		6.8	89° -	+9.8	+3.0		2661.8		+291	+509	284,765	2905,386		
348	887		188° 55' 37"		5.3	88° 50'	+18.1	+12.8		2671.6	TP	+444	+768	284,965	2905,644		
348	887		(59° 58' 40")		5.3	271° 10'	+18.1	+12.8			TP	-3	-1				
TP.			0° 00' 00"														
348	0				+5.05	4i		+5.1	2676.7		TP	0	0	284,965	2905,644		
349	329		175° 23' (55° 22')		6.6	89° 20'	+3.8	-2.8		2673.9		+187	+271	285,152	2905,915		
350	659		176° 24' (56° 23')		5.7	89° 20'	+7.7	+2.0		2678.7		+365	+549	285,330	2906,113		
351	988		177° 01' (57° 00')		7.1	89° 20'	+11.5	+4.4		2681.1		+538	+829	285,503	2906,473		
352	1318		176° 14' (56° 13')		8.0	89° 20'	+15.4	+7.4		2684.1		+733	+1095	285,698	2906,739		
353	1638		178° 07' (58° 06')		8.2	89° 20'	+19.1	+10.9		2687.6		+866	+1391	285,831	2907,035		
354	1948		181° 42' (61° 41')		7.7	89° 20'	+22.7	+15.0		2691.7		+924	+1715	285,889	2907,359		
355	2276		182° 36' (62° 35')		7.0	89° 20'	+26.6	+19.6		2696.3		+1048	+2020	286,013	2907,664		
Bm	2440		179° 56' 07" (59° 54' 47")		4.1	89° 20'	+28.5	+24.4		2701.1	Bm						14 PBO 1981 U.S.G.S Bm El. 27030
356	2582		180° 03' 46"		8.9	89° 20'	+30.2	+21.3			TP	+1289	+2237	286,251	2907,880		CORRECTED ELEVATION AT THIS T.P.
356	2582		(60° 02' 26")		8.8	270° 40'	+30.2	+21.4		2700.0	TP	-3	-1				
348			0° 00' 00"														
356	0				+5.1	4i		+5.1	2705.1		TP	0	0	286,251	2907,880		

SURVEY NOTES-HIGH RESOLUTION DATA
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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.5.83		B. Cotcamp		D. Hamilton		6834		D.V.		12		30			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		FAHRUMP - 15'		NEVADA		NYE								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 → (92105)						2705.1						
357	327		130° 51' (10° 53')		6.8	90° 40'	-3.8	-10.6		2694.5		+321	+62	286,572	2907,942
358	653		136° 33' (16° 35')		8.0	89° 56'	+1.9	-6.1		2699.0		+626	+186	286,877	2908,066
359	981		139° 14' (19° 16')		6.2	89° 44'	+4.6	-1.6		2703.5		+926	+324	287,177	2908,204
360	1310		140° 26' (20° 28')		5.9	89° 44'	+6.1	+0.2		2705.3		+1227	+458	287,478	2908,338
361	1639		140° 56' (20° 58')		9.4	89° 44'	+7.7	-1.7		2703.4		+1530	+586	287,781	2908,466
362	1969		141° 12' (21° 14')		6.7	89° 44'	+9.2	+2.5		2707.6		+1835	+713	288,096	2908,593
363	2297		140° 55' (20° 57')		6.3	89° 44'	+10.8	+4.5		2709.6		+2145	+821	288,396	2908,701
364	2623		142° 01' (22° 03')		6.2	89° 40'	+15.4	+9.2		2714.3		+2431	+985	288,682	2908,865
365	2952		142° 19' (22° 21')		5.8	89° 40'	+17.4	+11.6		2716.7		+2730	+1123	288,891	2909,003
366	3282		142° 24' 53"		7.1	89° 36'	+23.1	+16.0			TP	+3033	+1254	289,281	2909,133
366	3282		(22° 27' 19")		7.0	89° 24'	+23.1	+16.1		2721.2	TP	-3	-1		
356			0° 00' 00"												
366	0				+5.1	4i		+5.1	2726.3		TP	0	0	289,281	2909,133
367	330		183° 31' (25° 58')		5.0	89° 20'	+3.8	-1.2		2725.1		+297	+144	289,578	2909,277
368	660		" " " "		4.4	89° 20'	+7.7	+3.3		2729.6		+593	+289	289,874	2909,422
369	990		183° 59' (26° 26')		8.9	89° 20'	+11.5	+2.6		2728.9		+887	+441	290,168	2909,574
370	1319		184° 29' (26° 56')		8.1	89° 20'	+15.4	+7.3		2733.6		+1176	+597	290,457	2909,730
371	1646		185° 56' (28° 23')		8.0	89° 20'	+19.2	+11.2		2737.5		+1448	+782	290,729	2909,915

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3.5.83		D. Cotcamp		D. Hamilton		6834		D.H.		12	31					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
Death Valley		Palmer -15'		NEVADA	NYE					L. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
			PLATES = (9010)						2726.3							
372	1975		186° 07' (28° 34')		7.5	89° 26'	+23.1	+15.6		2741.9		+1735	+944	291,016	2910,077	
373	2305		186° 43' (29° 10')		11.0	89° 20'	+26.9	+15.9		2742.2		+2013	+1123	291,294	2910,256	
374	2634		187° 03' (29° 30')		11.9	89° 20'	+36.8	+18.9		2745.2		+2293	+1297	291,574	2910,430	
TP ₁	2645		187° 03' 54"		7.3	89° 26'	+26.3	+19.0	}		TP	+2302	+1303	291,580	2910,435	
TP ₂	2645		(29° 31' 13")		7.2	270° 34'	+26.3	+19.1			2745.4	TP	-3	-1		
366			0° 00' 00"													
TP ₁	0				+4.95	hi		+5.0	}	2750.4	TP	0	0	291,580	2910,435	
375	319		182° 32' (32° 03')		7.3	89° 40'	+1.9	-5.4			2745.0		+270	+169	291,850	2910,604
376	644		188° 59' (38° 30')		5.4	89° 46'	+3.8	-1.6		2748.8		+504	+401	292,804	2910,836	
377	690		187° 46' 18" (37° 17' 31")		10.6	89° 16'	+10.0	-0.6		2749.8	TP					
377	927		178° 53' (28° 24')		10.0	89° 32'	+7.6	-2.4		2748.0		+815	+441	292,395	2910,876	
378	1232		171° 45' (21° 16')		8.6	89° 46'	+5.0	-3.6		2746.8		+1148	+447	292,728	2910,882	
379	1561		171° 13' (20° 44')		12.6	89° 46'	+6.4	-6.2		2744.2		+1460	+553	293,040	2910,988	
380	1890		" " " "		10.0	89° 50'	+5.6	-4.4		2746.0		+1768	+669	293,348	2911,104	
381	2218		172° 22' (21° 53')		11.0	89° 50'	+6.6	-4.4		2746.0		+2058	+827	293,638	2911,262	
382	2546		172° 40' (22° 11')		12.0	89° 50'	+7.5	-4.5		2745.9		+2358	+961	293,238	2911,396	
TP ₁	2576		172° 42' 26"		10.9	89° 50'	+7.6	-3.3	}		TP	+2385	+974	293,962	2911,408	
TP ₂	2576		(22° 13' 39")		10.8	270° 10'	+7.6	-3.2			2747.2	TP	-3	-1		

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.5.83		B. Cotcamp		D. Hamilton		6834		D.H. KD		12		32			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Pahrump - 15'		NEVADA		Nye								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 → (GRID)												
TP ₁			6 60 00							2747.2					
TP ₂	0			+ 5.1	Hi			+ 5.1	2752.3		π	0	0	293,962	2,911,408
383	296		193° 38' (35° 52')		7.0	90° 10'	-0.9	-7.9		2744.4		+240	+173	294,202	2,911,581
384	625		195° 43' (37° 57')		9.6	89° 40'	+3.6	-6.0		2746.3		+493	+384	294,455	2,911,712
385	950		192° 36' (34° 50')		5.1	89° 40'	+5.5	+0.4		2752.7		+780	+543	294,742	2,911,951
386	1280		190° 04' 56" (32° 18' 35")		7.5	89° 40'	+5.9	-1.6		2750.7	π				
387	1609		192° 08' (34° 22')		7.0	89° 40'	+7.5	+0.5		2752.8		+1057	+723	295,019	2,912,131
388	1940		191° 56' (34° 10')		7.0	89° 40'	+9.4	+2.4		2754.7		+1331	+904	295,293	2,912,312
389	2270		191° 51' (34° 05')		7.2	89° 40'	+11.4	+4.2		2756.5		+1607	+1087	295,569	2,912,495
390	2600		191° 47' (34° 01')		6.8	89° 40'	+13.3	+6.5		2758.8		+1882	+1270	295,844	2,912,678
391	2930		191° 39' (33° 53')		6.2	89° 40'	+15.3	+9.1		2761.4		+2158	+1450	296,120	2,912,858
392	3260		~ " ~ "		5.9	89° 40'	+17.2	+11.3		2763.6		+2432	+1633	296,394	2,913,041
393	3590		191° 37' (33° 51')		10.2	89° 34'	+24.9	+14.7		2767.0		+2707	+1816	296,669	2,913,224
394	3920		191° 34' (33° 48')		10.7	89° 34'	+27.4	+16.7		2769.0		+2983	+1997	296,945	2,913,405
395	4250		~ " ~ "		9.9	89° 34'	+30.0	+20.1		2772.4		+3257	+2181	297,219	2,913,589
396	4580		191° 32' (33° 46')		8.7	89° 34'	+32.5	+23.8		2776.1		+3533	+2362	297,495	2,913,770
397	4910		~ " ~ "		7.2	89° 34'	+35.1	+27.9		2780.2		+3807	+2546	297,769	2,913,954
			~ " ~ "		10.9	89° 30'	+43.3	+32.4		2784.7		+4082	+2729	298,044	2,914,137

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3.5.83		B. Cotramp		D. Hamilton		6834		P.V. YD		12	33					
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER								
Death Valley		PAHRUMP	NEVADA	NYE				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)						2752.3							
398	5237		PI 11 23		9.9	89° 30'	+46.3	+36.4			TP	+4371	+2884	298,330	2,914,291	
398	5237		(33° 25' 02")		9.8	270° 30'	+46.3	+36.5		2788.8	TP	-3	-1			
TP ₂			0° 00' 00"													
398	0				+5.2	Hi		+5.2		2794.0	X	0	0	298,330	2,914,291	
1121			184° 16' 10" (31° 41' 12")		8.9	89° 10'	+16.3	+7.4		2801.4	X	+887	+685	299,217	2,914,976	299,200 x 2,914,970 JINT.
399	329		161° 31' (14° 56')		5.5	74	+1.6	-3.9		2790.1		+319	+85	298,648	2,914,376	
400	654		154° 30' (7° 55')		7.6	74	+3.3	-4.3		2789.7		+648	+90	298,978	2,914,381	
401	981		151° 03' (4° 28')		5.7	-		-5.7		2788.3		+978	+76	299,308	2,914,367	
402	1309		149° 11' (2° 36')		8.8	-		-8.8		2785.2		+1308	+59	299,638	2,914,350	
1631			147° 45' 34" (1° 10' 36")		11.2	-		-11.2		2782.8	1631	+1631	+33	299,961	2,914,324	300,060 x 2,914,295 IF APPROX. SEC. CORNER.
403	1639		148° 12' 54"		11.3	-	+0.1	-11.2		2782.8	TP	+1638	+47	299,965	2,914,337	
403	1699		(147° 37' 56")		11.3	270°	+0.1	-11.2			TP	-3	-1			
398			0° 00' 00"													
403	0				+5.25	Hi		+5.3		2788.1	X	0	0	299,965	2,914,337	
Bm	70		204° 37' 22" (26° 15' 18")		5.1	-		-5.1		2783.0	Bm					U.S.G.S Bm EL. 2783 11 RBO 1981
404	336		176° 04' (357° 42')		7.1	-		-7.1		2781.0		+330	73	300,295	2,914,324	
405	660		" " " "		11.6	-		-11.6		2776.5		+659	26	300,624	2,914,311	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-6-83		B. Cotcamp		D. Hamilton		6834		D.H.		12		34			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Pahrump-15'		NEVADA		NYE								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 → (90°)						2788.1						
406	990		176° 04' (357° 42')		9.8	BH	-5.0	-14.8		2773.3		+989	40	302,954	2,914,297
407	1320		" " " "		10.1	BH	-6.6	-16.7		2771.4		+1319	53	301,284	2,914,284
408	1656		" " " "		8.7	BH	-8.3	-16.9		2771.2		+1649	66	301,614	2,914,271
409	1980		" " " "		9.7	BH	-9.9	-19.5		2768.6		+1978	79	301,943	2,914,258
410	2310		176° 04' (357° 42')		11.0	BH	-11.6	-22.4		2765.7		+2308	93	302,273	2,914,244
411	2640		" " " "		9.0	BH	-13.2	-22.1		2766.0		+2638	106	302,603	2,914,231
412	2976		" " " "		6.2	BH	-14.9	-26.9		2767.2		+2968	119	302,933	2,914,218
413	3300		" " " "		11.2	90° 10'	-9.4	-20.6		2767.5		+3297	132	303,262	2,914,205
414	3630		" " " "		7.7	90° 10'	-10.3	-18.0		2770.1		+3627	146	303,592	2,914,191
415	3956		176° 07' 50"		9.1	90° 06'	-6.6	-15.7			TP	+3953	-154	303,915	2,914,182
415	3956		(357° 45' 46")		9.0	269° 54'	-6.6	-15.6		2772.5	TP	-3	-1		
403			0 00 00												
415	0				+5.2	Hi		+5.2	2777.7		X	0	0	303,915	2,914,182
416	330		180° 02' (357° 48')		5.2	-		-5.2	2772.5			+330	73	304,245	2,914,169
417	660		" " " "		8.8	-		-8.8	2768.9			+660	85	304,575	2,914,157
418	990		" " " "		10.9	-		-10.9	2766.8			+989	98	304,904	2,914,144
419	1320		" " " "		10.2	-		-10.2	2767.5			+1319	51	305,234	2,914,131
420	1650		" " " "		6.0	BH	-8.3	-14.2		2763.5		+1649	63	305,564	2,914,119

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3.6.83		B. Cotcamp		D. Hamilton		6834		D.H.		12	35					
AREA		TOPO MAP		STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER							
Death Valley		Palump-15'		NEVADA	NYE				L. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
			PLATES → (grid)						2777.7							
421	1980		180° 03' (357' 48")		4.7	84°	-9.9	-14.5		2763.2		+1979	76	305,894	2914,106	
422	2310		" " " "		7.7	90° 10'	-6.6	-14.3		2763.4		+2308	89	306,223	2914,093	
423	2640		" " " "		9.2	90° 10'	-7.5	-16.7		2761.0		+2638	101	306,553	2914,081	
424	2970		" " " "		7.2	90° 10'	-8.5	-15.7		2762.0		+2968	114	306,883	2914,068	
425	3300		180° 03' (357' 48")		6.8	90° 10'	-9.4	-16.2		2761.5		+3298	127	307,213	2914,055	
426	3630		" " " "		8.0	90° 10'	-10.3	-18.3		2759.4		+3627	139	307,542	2914,043	
427	3960		" " " "		11.3	90° 10'	-11.2	-22.5		2755.2		+3957	152	307,872	2914,030	
428	4290		180° 04' 31"		8.8	90° 10'	-12.1	-20.9			TP	+4287	-162	308,200	2914,019	
428	4290		(357° 50' 17")		8.7	269° 50'	-12.1	-20.8		2756.9	TP		-2			
415			0° 00' 00"													
428	0				+5.25	Hi		+5.3	2762.2		K	0	0	308,200	2914,019	
429	330		179° 46' (357' 36")		8.3	89° 50'	+1.0	-7.3		2754.9		+330	74	308,530	2914,005	
430	660		" " " "		9.0	89° 50'	+1.9	-7.1		2755.1		+659	29	308,859	2913,991	
431	990		" " " "		9.7	89° 50'	+2.9	-6.8		2755.4		+989	41	309,189	2913,978	
432	1320		" " " "		10.1	89° 50'	+3.9	-6.2		2756.0		+1319	55	309,519	2913,964	
433	1650		179° 46' (357' 36")		7.0	-	+0.1	-6.9		2755.3		+1649	69	309,849	2913,950	
434	1980		" " " "		9.8	-	+0.1	-9.7		2752.5		+1978	83	310,178	2913,936	
435	2310		" " " "		10.9	-	+0.1	-10.8		2751.4		+2308	97	310,508	2913,922	