

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

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GEO-445

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-21-83		B. Cotcamp		D. Ham: How		6834		D.H. LL		10		1			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM			
Death Valley		Shoshone-15'		CALIF.		Inyo						PARTY MANAGER L. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.	COORDINATES Y X	REMARKS
TR ₁	SECTION	CORNER	GENERAL LAND OFFICE SURVEY 35186						1416.0	TR ₁					TRANSVERSE TO R.O.L. SCALED → E-206,800 X-2,802,280 SEC. CORNER E-1416.0
BS	2593		168° 26' 53" (63° 41' 36")	+	7.2	90° 30'	+22.6	+29.8	1445.8	BS	-1149	-2324			
Bm	0				4.6	-		-4.6	1441.2	X	0	0	205,651	2,779,955	3040 U.S.G.S Bm 614420
TP ₁	1681		255° 14' 43"		11.5	89° -	+29.3	+17.8	1463.6	TP	-428	-1625	205,223	2,778,330	
TP ₁	1681		(178° 14' 43")		11.5	271° -	+29.3	+17.8		TP					
Bm			0 00 00												
TP ₁	0			+	5.2	H _i		+5.2	1468.8	X	0	0	205,223	2,778,330	SUNSHOT TAKEN @ THIS POINT FOR START. 90° AZIMUTH
TP ₂	4185	4184.0	162° 49' 12" (238° 03' 55")		9.2	88° 36'	+102.6	+93.4	1562.1	TP	-2213	-3551	203,010	2,794,779	
TP ₂	4185				9.4	271° 24'	+102.6	+93.2	+93.3		TP				
TP ₁			0° 00' 00"												
TP ₂	0			+	5.25	H _i		+5.2	1567.3	X	0	0	203,010	2,794,779	
TP ₃	4328	4324.4	193° 07' 28" (251° 11' 23")		7.7	87° 40'	+176.6	+168.9		TP	-1394	-4093	201,616	2,790,686	
TP ₃	4328				8.2	272° 20'	+176.6	+168.4	+168.6	1735.9	TP				
TP ₂			0° 00' 00"												
TP ₃	0			+	5.05	H _i		+5.0	1740.9	X	0	0	201,616	2,790,686	
TP ₄	4215	4210.4	176° 53' 59" (248° 05' 22")		12.6	87° 20'	+196.5	+183.9		TP	-1571	-3906	200,045	2,786,780	
TP ₄	4215				12.7	272° 40'	+196.5	+183.8	1924.7	TP					
TP ₃			0° 00' 00"												
TP ₄	0			+	5.05	H _i		+5.0	1929.7	X	0	0	200,045	2,786,780	

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DATE	1-21-83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Hamilton	PARTY NUMBER	6834	NOTES CHECKED BY	Diff. LL	LINE NO.	10	PAGE	2	
AREA	Death Valley	TOPO MAP	SHOSHONE - 15'	STATE	CALIF.	COUNTY	Inyo	TWP		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.	
			Plates → (9210)						1929.7					
TP5	4849	4839.4	190° 10' 12"		11.0	86° 24'	+305.0	+294.0	2223.7	TP	-985	-4738	199,060	2782,042
TP5	4849		(258° 15' 34")		10.9	273° 36'	+305.0	+294.1						
TP4			0° 00' 00"											
TP5	0				+ 4.95	4i		+ 4.9	2228.6		X	0	0	199,060 2782,042
TP6	4337	4314.5	166° 43' 49"		11.4	84° 10'	+441.2	+429.8	2658.6	TP	-1824	-3910	197,236	2779,132
TP6	4337		(244° 59' 23")		10.9	279° 50'	+441.2	+430.3						
TP5			0° 00' 00"											
TP6	0				+ 4.8	4i		+ 4.8	2663.4		X	0	0	197,236 2778,132 between 8+9
1	2154	2135.6	173° 51' (238° 50')		19.0	82° 30'	+281.2	+262.2	2925.6		-1105	-1827	196,131	2776,305 B.O.L. Line #10
2	1857	1842.5	176° 57' (241° 56')		8.1	82° 50'	+231.7	+223.6	2887.0		-867	-1626	196,369	2776,506
3	1561	1549.1	180° 34' (245° 33')		9.3	82° 54'	+192.1	+182.8	2846.2		-641	-1410	196,595	2776,722
4	1280	1270.5	187° 23' (252° 22')		9.7	83°	+156.0	+146.3	2809.7		-385	-1211	196,851	2776,921
5	964	958.4	191° 11' (256° 10')		8.3	83° 50'	+103.6	+95.3	2758.7		-229	-931	197,007	2777,201
6	639	636.7	188° 12' (253° 11')		11.1	85° 10'	+53.8	+42.7	2706.1		-184	-610	197,052	2777,522
7	331		174° 19' (239° 18')		6.5	89° 30'	+2.9	3.6	2659.8		-169	-285	197,067	2777,847
8	101	99.0	96° 24' (160° 23')		10.2	101° 30'	+20.1	+30.3	2633.1		-93	+33	197,143	2778,165
9	348	345.8	25° 31' (90° 30')		7.1	96° 30'	+39.4	+46.5	2616.9		-3	+346	197,233	2778,478
10	666	661.7	14° 28' (79° 21')		10.2	96° 30'	+75.4	+85.6	2577.8		+121	+651	197,357	2778,783

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-27-83		B. Cotcamp		D. Hamilton		6834		D.H.		10		3			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Depth Valley		Shosone-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 7(9210)						2663.4						
11	984	977.7	08° 39' (73° 38')		13.0	96° 30'	111.4	124.4		2539.0		+275	+938	197,511	2,779,070
12	1303	1294.6	04° 23' (69° 22')		7.7	96° 30'	147.5	155.2		2508.2		+456	+1212	197,692	2,779,344
13	1615	1603.9	359° 59' (64° 58')		11.2	96° 44'	189.3	200.5		2462.9		+679	+1453	197,915	2,779,585
14	1943	1930.5	359° 02' (64° 01')		10.1	96° 30'	219.9	230.0		2433.4		+846	+1735	198,082	2,779,876
15	2264	2251.1	01° 00' (65° 59')		12.4	96° 06'	240.5	252.9		2410.5		+916	+2056	198,152	2,780,188
16	2586	2571.0	02° 26' (67° 25')		10.0	96° 10'	277.7	287.7		2375.7		+987	+2374	198,223	2,780,506
17	2903	2886.2	04° 06' (69° 05')		9.9	96° 10'	-311.7	321.6		2341.8		+1030	+2696	198,266	2,780,828
TP ₆	3044	3026.4	04° 04' 14"		8.3	96° 10'	-326.8	-335.1		2328.3	TP	+1082	+2827	198,318	2,780,959
TP ₇	3044		(69° 03' 37")		8.4	263° 50'	-326.8	-335.2			TP				
TP ₆			0° 00' 00"												
TP ₇	0				+5.05	Hi		+5.1		2333.4	π	0	0	198,318	2,780,959
18	175		172° 32' (61° 36')		10.0	95° 20'	16.3	26.3		2307.1		+83	+153	198,401	2,781,112
19	503	500.8	166° 34' (55° 38')		7.0	95° 20'	46.7	53.7		2279.7		+283	+413	198,601	2,781,372
20	827	824.1	160° 41' (49° 45')		10.8	94° 30'	69.7	80.5		2252.9		+532	+629	198,850	2,781,588
21	1156	1152.7	162° 38' (51° 42')		11.7	94° 20'	87.3	99.0		2234.4		+714	+905	199,032	2,781,864
22	1477	1472.8	165° 26' (54° 30')		11.3	94° 20'	111.6	122.9		2210.5		+855	+1199	199,173	2,782,158
23	1802	1796.5	167° 27' (56° 31')		10.8	94° 30'	141.3	152.1		2181.3		+991	+1498	199,309	2,782,457
24	2124	2117.5	169° 36' (58° 46')		7.4	94° 30'	166.6	174.0		2159.4		+1101	+1809	199,419	2,782,768

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1-21-83		B. Cotcamp		D. Hamilton		6834		D.H.		10		4			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Shoshone - 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)						2333.4						
25	2450	2442.8	170° 30' 52"		10.6	94° 24'	-187.8	-198.4		2135.0	TP	+1237	+2106	199,555	2,783,065
25	2450		(59° 34' 29")		10.7	265° 36'	-187.8	-198.5			TP				
TP			0° 00' 00"												=
25	0				+ 5.1	Hi		+5.1	2140.1		π	0	0	199,555	2,783,065
26	330	329.1	188° 49' (66° 23')		8.3	94° 20'	-21.9	-33.2		2106.9		+121	+306	199,676	2,783,371
27	659	657.4	192° 59' (72° 33')		8.0	94° -	-46.0	-34.0		2086.1		+197	+627	199,752	2,783,692
28	981	979.2	197° 48' (77° 22')		11.8	93° 30'	-59.9	-71.7		2068.4		+214	+955	199,769	2,784,020
29	1309	1306.9	200° 10' (79° 44')		8.5	93° 16'	-74.6	-83.1		2057.0		+233	+1286	199,788	2,784,351
30	1627	1624.3	201° 10' (80° 44')		10.1	93° 20'	-94.5	-104.6		2035.5		+262	+1603	199,817	2,784,668
31	1935	1931.7	197° 21' (76° 55')		11.9	93° 20'	-112.4	-124.3		2015.8		+437	+1882	199,992	2,784,947
32	2255	2251.1	199° 24' (78° 58')		9.0	93° 20'	-131.0	-140.0		2000.1		+431	+2210	199,986	2,785,275
33	2574	2569.7	201° 23' (80° 57')		7.9	93° 20'	-149.5	-157.4		1982.7		+404	+2538	199,959	2,785,603
34	2901	2896.4	201° 35' 33"		8.6	93° 14'	-163.5	-172.1		1968.0	TP	+445	+2862	200,000	2,785,927
34	2901		(81° 10' 02")		8.7	266° 46'	-163.5	-172.2		--	TP				
25			0° 00' 00"												
34	0				+ 5.1	Hi		+5.1	1973.1		π	0	0	200,000	2,785,927
35	327		182° 33' (83° 43')		6.2	93° -	-17.1	-23.3		1949.8		+36	+325	200,036	2,786,252
36	655	654.1	186° 18' (87° 28')		6.8	93° -	-34.3	-41.1		1932.0		+29	+653	200,029	2,786,580

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-21-83		B. Cotcamp		D. Hamilton		6834		D.H.		16		5			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		SHOSHONE-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 → (Rid)						1973.1						
37	983	981.8	188° 39' (87° 47')		7.7	92° 50'	-48.6	56.3		1916.8		+3	+982	200,003	2,786,909
38	1301	1299.4	186° 23' (87° 33')		9.0	92° 56'	-64.3	73.3		1899.8		+56	+1298	200,056	2,787,225
39	1619	1617.0	182° 48' (83° 58')		9.0	92° 56'	-80.0	89.0		1884.1		+170	+1608	200,170	2,787,535
40	1941	1938.6	180° 21' (81° 37')		7.8	92° 50'	-95.9	103.7		1869.4		+283	+1918	200,283	2,787,845
41	2260	2257.4	178° 21' (79° 31')		9.6	92° 44'	-107.7	117.3		1855.8		+411	+2220	200,411	2,788,147
42	2589	2586.1	177° 42'		8.6	92° 44'	-123.3	-131.9			TP	+499	+2537	200,499	2,788,464
42	2589		(78° 52' 02")		8.5	267° 16'	-123.3	-131.8		1841.3	TP				
34			0° 00' 00"												=
42	0				+5.15	hi		+5.2	1846.5		X	0	0	200,499	2,788,464
43	330		176° 36' (69° 28')		6.7	92° 20'	-13.4	20.1		1826.4		+116	+309	200,615	2,788,773
44	660	659.5	171° 58' (70° 50')		8.9	92° 20'	-26.9	35.8		1810.7		+217	+623	200,716	2,789,087
45	986	985.2	169° 10' (68° 02')		10.7	92° 20'	-40.1	50.8		1795.7		+369	+914	200,868	2,789,379
46	1312	1310.8	167° 48' (66° 40')		10.2	92° 26'	-55.7	65.9		1780.6		+519	+1204	201,018	2,789,668
47	1637	1635.5	165° 14' (64° 06')		11.2	92° 26'	-69.4	80.6		1765.9		+714	+1471	201,213	2,789,935
48	1962	1960.2	163° 40' (62° 32')		7.7	92° 26'	-83.2	90.9		1755.6		+904	+1739	201,403	2,790,203
49	2294	2291.9	162° 56' (61° 48')		9.0	92° 26'	-97.3	106.3		1740.2		+1083	+2020	201,582	2,790,484
TP	2487	+2484.9	164° 44' 48"		9.2	92° 20'	-101.1	-110.3		1736.2	TP	+1104	+2226	201,603	2,790,690
TP	2487		(63° 36' 50")		9.3	267° 40'	-101.1	-110.4			TP				

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-21-83		B. Cotcamp		D. Hamilton		6834		DH. LL		10		6			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Depth Valley		Shoshone - 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 Ri'd)							1736.2					
42			0 00 00												
TP	0				+5.15	H.		+5.2	1741.4		X	0	0	201,603 2,790,690	
50	129		174° 45' (58° 22')		8.8	94°	9.0	17.8		1723.6		+67	+110	201,670 2,790,800	
51	454		188° 25' (72° -)		8.0	92° 50'	22.4	30.4		1711.0		+140	+431	201,743 2,790,121	
52	769	768.1	198° 05' (81° 42')		6.7	92° 50'	38.0	44.7		1696.7		+111	+760	201,714 2,791,450	
53	1094	1092.8	199° 49' (83° 26')		8.3	92° 40'	50.9	59.2		1682.2		+125	+1086	201,728 2,791,776	
54	1418	1416.5	197° 59' (81° 36')		7.1	92° 40'	65.9	73.0		1668.4		+207	+1401	201,810 2,792,091	
55	1744	1742.1	195° 43' (79° 22')		5.8	92° 40'	81.1	86.9		1654.5		+322	+1712	201,925 2,792,402	
56	2054	2052.1	192° 50' (76° 27')		10.5	92° 30'	89.5	100.0		1641.4		+481	+1995	202,084 2,792,695	
57	2349	2346.8	188° 55' (72° 32')		8.9	92° 30'	102.3	111.3		1630.1		+704	+2239	202,307 2,792,929	
58	2679	2676.8	188° 42' (72° 19')		13.2	92° 20'	108.9	122.1		1619.3		+813	+2550	202,416 2,793,240	
59	3010	3007.5	188° 51' (72° 34')		12.0	92° 20'	122.4	134.4		1607.0		+901	+2869	202,504 2,793,559	
60	3336	3333.2	188° 41' 01"		10.5	92° 20'	-135.6	-146.1			TP	+1014	+3175	202,617 2,793,865	
60	3336		(72° 17' 51")		10.4	267° 40'	-135.6	-146.0		1595.4	TP				
TP			0° 00' 00"												
60	0				+5.2			+5.2	1600.6		X	0	0	202,617 2,793,865	
61	330		167° 21' (59° 39')		7.7	91° 40'	9.6	17.3		1583.3		+167	+285	202,784 2,794,150	
62	652		175° 29' (67° 47')		9.7	91° 40'	19.0	28.7		1571.9		+246	+603	202,863 2,794,468	

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1-21-83		B. Cotcamp		D. Hamilton		6834		D.H.		10		7		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Death Valley		Shoshone-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.	
			PLATES → (grid)						1600.6					
63	975		175° 36' (67° 54')		9.8	91° 40'	-28.3	38.1		1562.5		+367	+903	202,984 2,794,768
64	1303		173° 01' (65° 19')		9.9	91° 40'	-37.9	47.8		1552.8		+544	+1183	203,161 2,795,048
65	1621		176° 15' (68° 33')		8.0	91° 40'	-47.1	55.1		1545.5		+593	+1508	203,210 2,795,373
66	1951		176° 45' (69° 03')		7.3	91° 40'	-56.7	64.0		1536.6		+697	+1821	203,314 2,795,686
TP	2061	200.1	176° 45' 47"		6.3	91° 40'	-59.9	-66.2			TP	+736	+1924	203,353 2,795,789
TP	2061		(69° 03' 38")		6.2	268° 20'	-59.9	-66.1		1534.5	TP			
60			0° 00' 00"											
TP	0				+5.15	Hi		+5.2	1539.7		X	0	0	203,353 2,795,789
67	220		163° 20' (52° 24')		9.8	92°	-7.7	77.5		1522.2		+134	+174	203,487 2,795,963
68	542		161° 10' (50° 14')		8.2	92°	-7.9	27.1		1512.6		+346	+416	203,699 2,796,205
69	871		157° 26' (46° 30')		9.3	91° 40'	-25.3	34.6		1505.1		+599	+632	203,952 2,796,421
70	1201		158° 36' (47° 40')		7.2	91° 40'	-34.9	42.1		1497.6		+808	+887	204,161 2,796,676
71	1531		" " (47° 40')		8.1	91° 30'	-40.0	48.1		1491.6		+1031	+1131	204,384 2,796,920
72	1859		159° 22' (48° 26')		11.2	91° 20'	-43.2	54.4		1485.3		+1233	+1391	204,586 2,797,180
73	2186	2	160° 05' (49° 09')		10.7	91° 20'	-50.8	61.5		1478.2		+1429	+1653	204,782 2,797,442
74	2514		161° 30' (50° 34')		9.4	91° 20'	-58.4	67.8		1471.9		+1596	+1941	204,949 2,797,730
75	2836		162° 54' 42"		6.7	91° 20'	-65.8	-72.5		1467.3	TP	+1747	+2233	205,100 2,798,022
75	2836		(51° 58' 20")		6.5	268° 40'	-65.8	-72.3	-72.4		TP			

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-21-83		B. Cotcamp		D. Hamilton		6834		LL B.C.		10		9			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		SMOSHORE - 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
			ptcs to (grids)						1446.7						
87	1935		180° 19' (74° 21')		11.6	90° 30'	-16.8	-28.4		1418.3		+522	+7863	205,975	2,801,818
88	2265		" " " "		11.9	90° 30'	-19.7	-31.6		1415.1		+611	+2181	206,264	2,802,136
89	2593		" " " "		12.2	90° 30'	-22.5	-34.7		1412.0		+699	+2497	206,352	2,802,452
90	2912		178° 43' (72° 45')		9.8	90° 34'	-28.6	-38.4		1408.3		+864	+2781	206,517	2,802,736
91	3229		176° 50' (70° 52')		9.6	90° 34'	-31.7	-41.3		1405.4		+1058	+3051	206,711	2,803,006
92	3553		175° 56' (69° 58')		9.0	90° 34'	-34.9	-43.9		1402.8		+1217	+3338	206,870	2,803,293
93	3882		175° 32' 51"		9.6	90° 34'	-38.1	-47.7		1399.2	TP	+1354	+3638	207,010	2,803,591
93	3882		(69° 34' 46")		9.3	269° 26'	38.1	-47.4	-47.53		TP	+3	-2		
Bm			0° 00' 00"												
93	0				+ 5.15	Mi		+5.2	1404.4		X	0	0	207,010	2,803,591
94	329		199° 35' (89° 10')		6.7	90° 40'	-3.8	-10.5		1393.9		+5	+329	207,015	2,803,920
95	658		202° 25' (92° -)		6.6	90° 40'	-7.6	-14.2		1390.2		-23	+658	206,987	2,804,249
96	985		203° 16' (92° 51')		9.0	90° 30'	-8.6	-17.6		1386.8		-49	+984	206,961	2,804,575
97	1316		" " " "		10.0	90° 30'	-11.4	-21.4		1383.0		-65	+1314	206,945	2,804,905
98	1645		" " " "		10.9	90° 30'	-14.3	-25.2		1379.2		-82	+1643	206,928	2,805,234
99	1975		" " " "		11.2	90° 30'	-17.2	-28.4		1376.0		-98	+1973	206,912	2,805,564
100	2305		203° 16' (92° 51')		7.8	90° 40'	-26.7	-34.5		1369.9		-115	+2302	206,895	2,805,893
101	2632		204° 12' (93° 47')		19.0	90° 25'	-19.0	-38.0		1366.4		-240	+2624	206,770	2,807,215

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-21-83		B. Cotcamp		D. Hamilton		6834		LL B.C		10		10			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		SHOSHONE-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						1404.4						
102	2946		206° 25' (96-)		7.9	90° 40'	-34.1	-42.0		1362.4		308	+2930	206,702	2,806,521
103	3269		207° 41' 11"		7.4	90° 40'	-37.8	-45.2			TP	-413	+3243	206,600	2,806,832 ACROSS
103	3269		(97° 15' 57")		7.3	269° 20'	-37.8	-45.1		1359.3	TP	+3	-2		STA.
93			0° 00' 00"												
103	0				+5.15	H.		+5.2	1364.5		X	0	0	206,600	2,806,832
104	331		205° 54' (123 10)		6.5	90° 10'	-1.0	-7.5		1357.0		781	+277	206,419	2,807,109
105	660		201° 29' (118 45)		8.9	90° 10'	-1.9	-10.8		1353.7		317	+579	206,283	2,807,411
106	987		203° 08'		5.1	90° 30'	-8.6	-13.7		1350.8	TP	-495	+854	206,108	2,807,684
106	987		(120° 07' 58")		5.1	269° 30'	-8.6	-13.7			TP	+3	-2		
103			0° 00' 00"												
106	0				+4.9	H.		+4.9	1355.7		X	0	0	206,108	2,807,684
107	330		191° 10' (131 18)		4.9	90° 20'	-1.9	-6.8		1348.9		-218	+248	205,890	2,807,932
108	660		" " " "		4.9	90° 20'	-3.8	-8.7		1347.0		-436	+496	205,672	2,808,180
109	990		" " " "		6.3	90° 20'	-5.7	-12.0		1343.7		-653	+744	205,455	2,808,428
110	1320		" " " "		7.8	90° 20'	-7.6	-15.4		1340.3		-871	+992	205,237	2,808,676
111	1650		" " " "		8.9	90° 20'	-9.5	-18.4		1337.3		-1089	+1240	205,019	2,808,924
112	1980		" " " "		9.0	90° 20'	-11.4	-20.4		1335.3		-1307	+1488	204,801	2,809,172
113	2310		" " " "		9.0	90° 20'	-13.3	-22.3		1333.4		-1525	+1735	204,583	2,809,419

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-25-83		B. Cotcamp		D. Hamilton		6834		LL B.C.		10		12			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Shoshone 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
106			photos to (grids) 0 00 00"							1331.8					
119	0				+ 4.95	Hi		+5.0	1336.8		X	0	0	203,356	2,810,963
120	330		171° 30' (121° 32')		5.4	89° 50'	+1.0	-4.4		1332.4		173	+281	203,183	2,811,244
121	660		" " " "		8.2	89° 50'	+1.9	-6.3		1330.5		345	+563	203,011	2,811,526
122	990		" " " "		7.1	89° 50'	+2.9	-4.2		1332.6		518	+844	202,838	2,811,807
123	1320		171° 30' (121° 32')		8.8	89° 50'	+3.9	-4.9		1331.9		690	+1125	202,666	2,812,088
124	1650		" " " "		9.8	89° 50'	+4.9	-4.9		1331.9		863	+1406	202,493	2,812,369
125	1980		" " " "		7.0	89° 50'	+5.8	-1.2		1335.6		1036	+1688	202,320	2,812,651
126	2310		" " " "		7.8	89° 40'	+13.5	+5.7		1342.5		1208	+1969	202,148	2,812,932
127	2639		171° 28' 48"		6.3	89° 40'	+15.5	+9.2		1346.1	TP	-1379	+2250	201,980	2,813,212
127	2639		(121° 30' 27")		6.1	270° 20'	+15.5	+9.4	+9.3		TP	+3	-1		
119			0 00 00"												
127	0				+ 5.0	Hi		+5.0	1351.1		X	0	0	201,980	2,813,212
128	330		181° 05' (122° 35')		5.0	90° 30'	-2.9	-7.9		1343.2		178	+228	201,802	2,813,490
129	660		" " " "		8.1	90° 30'	-5.8	-13.9		1337.2		355	+556	201,625	2,813,768
130	990		" " " "		9.3	90° 30'	-8.6	-17.9		1333.2		533	+834	201,447	2,814,046
131	1320		" " " "		6.9	90° 30'	-11.5	-18.4		1332.7		711	+1112	201,269	2,814,324
132	1650		" " " "		9.0	90° 20'	-9.5	-18.5		1332.6		889	+1390	201,091	2,814,602
133	1980		" " " "		6.4	90° 20'	-11.4	-17.8		1333.3		1066	+1668	200,914	2,814,880

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-25-83		B. Cotcamp		D. Hamilton		6834		LL B.C.		10		13			
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 & TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates to (grids)						1351.1						
134	2310		181° 05' (122° 35')		10.0	96° 10'	-6.6	-16.6		1334.5		-1244	+1946	200,736	2,815,158
135	2440		" " " "		8.0	96° 10'	-7.5	-15.5		1335.6		-1422	+2224	200,558	2,815,436
136	2970		" " " "		11.4	-	-	-11.2		1339.9		-1599	+2503	200,381	2,815,715
137	3300		" " " "		4.0	-	-	-3.8		1347.3		-1777	+2181	200,203	2,815,993
138	3628		180° 33' (122° 03')		10.0	89° 50'	+10.8	+0.8		1351.9		-1925	+3075	200,655	2,816,287
139	3956		180° 09' (121° 39')		11.1	89° 40'	+23.3	+12.2		1363.3		-2076	+3368	199,904	2,816,580
140	4285		179° 46' (121° 16')		7.4	89° 40'	+25.3	+17.9		1369.0		-2224	+3663	199,756	2,816,875
141	4609		178° 45' (120° 15')		9.8	89° 38'	+29.9	+20.1		1371.2		-2322	+3981	199,658	2,817,193
142	4927		177° 56' (119° 26')		10.4	89° 38'	+32.0	+21.6		1372.7		-2421	+4291	199,559	2,817,503
143	5245		176° 50' 09"		8.9	89° 38'	+34.1	+25.2		1376.4	TP	-2490	+4616	199,493	2,817,827
143	5245		(118° 20' 36')		8.7	270° 22'	+34.1	+25.4	25.3		TP	+3	-1		
127			0° 00' 00"												
143	0				+5.0	Hi		+5.0	1381.4		TP	0	0	199,493	2,817,827
144	330		158° 23' (96° 43')		7.7	91° -	-5.8	-13.5		1367.9		-39	+228	199,454	2,818,055
145	658		152° 46' (91° 07')		11.6	91° 30'	-17.2	-28.8		1352.6		-73	+658	199,480	2,818,485
146	986		151° 01' (89° 28')		9.7	91° 50'	-31.5	-41.2		1340.2		+9	+986	199,502	2,818,813
147	1318		149° 40' (88° 01')		6.6	91° 50'	-42.1	-48.7		1332.7		+46	+1317	199,539	2,819,144
148	1645		149° 03' (87° 24')		12.0	91° 20'	-38.2	-50.2		1331.2		+75	+1643	199,568	2,819,470

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-25-83		B. Cotcamp		D. Hamilton		6834		LL BC		16		14			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Tecopa-		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
			Notes to grids						1381.4						
149	1975		148° 31' (86° 52')		9.3	91° 20'	-45.9	-55.2		1326.2		+109	+1972	199,601	2,819,799
150	2303		148° 00' (86° 21')		9.3	91° 10'	-46.8	-56.1		1325.3		+147	+2298	199,640	2,820,125
151	2633		147° 46' (86° 01')		10.0	91° -	-45.8	-55.8		1325.6		+178	+2627	199,671	2,820,454
152	2963		147° 38' 29"		6.9	91° -	-51.5	-58.4		1323.1	TP	+207	+2955	199,703	2,820,781
152	2963		(85° 59' 05")		6.7	269° -	51.5	58.2	-58.3		TP	+3	-1		
143			0° 00' 00"												
152	0				+4.85	H.		+4.9	1328.0		X	0	0	199,703	2,820,781
153	330		189° 00' (94° 59')		12.0	-		-12.0		1316.0		-29	+329	199,674	2,821,110
154	656		192° 29' (98° 28')		8.0	74	+3.3	-4.7		1323.3		97	+649	199,606	2,821,430
155	985		193° 44' (99° 43')		7.7	74	+4.9	-2.8		1325.2		-166	+971	199,537	2,821,752
156	1316		194° 18' (100° 17')		6.7	74	+6.2	-0.5		1327.5		-235	+1295	199,468	2,822,076
157	1647		194° 21' (100° 20')		6.8	89° 40'	+9.6	+2.8		1330.8		-295	+1620	199,408	2,822,401
158	1976		193° 59' (99° 58')		5.8	89° 40'	+11.6	+5.8		1333.8		-342	+1946	199,361	2,822,727
159	2304		193° 29' (99° 28')		4.8	89° 40'	+13.5	+8.7		1336.7		-379	+2273	199,324	2,823,054
TP	2509		192° 28' 59"		4.1	89° 40'	+14.7	+10.6		1338.7	TP	-369	+2482	199,337	2,823,262
TP	2509		(98° 28' 04")		3.7	270° 20'	+14.7	+10.8	+10.7		TP	+3	-1		
152			0° 00' 00"												
TP	0				+5.05	H.		+5.1	1343.8		X	0	0	199,337	2,823,262

ENTERED TOW-OF
TECOPA.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-25-83		B Cotcamp		D. Hamilton		6834		LL B.C.		10		15			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Telopg 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
									1343.8						
160	125		160 50' (79° 18')		5.9	89°	+2.2	-3.7		1340.1		+23	+123	199,360	2,823,385
161	456		159° 20' (77° 48')		9.3	89°	+7.9	-1.4		1342.4		+95	+440	199,432	2,823,702
162	780		158° 58' (77° 26')		11.9	89°	+13.6	+1.7		1345.5		+170	+761	199,507	2,824,023
163	1110		158° 30' (76° 58')		9.0	89° 10'	+16.2	+7.2		1351.0		+250	+1081	199,587	2,824,343
164	1440		" " (76° 58')		7.0	89° 10'	+21.0	+14.0		1357.8		+325	+1403	199,662	2,824,665
165	1770		158° 25' (76° 53')		6.1	89° 10'	+25.8	+19.7		1363.5		+402	+1724	199,739	2,824,986
166	2100		" " " "		5.9	89° 10'	+30.6	+24.7		1368.5		+477	+2045	199,814	2,825,307
167	2430		158° 20' (76° 48')		12.3	89°	+42.5	+30.2		1374.0		+555	+2366	199,892	2,825,628
168	2760		" " " "		12.1	89°	+48.3	+36.2		1380.0		+630	+2687	199,967	2,825,949
169	3090		158° 17' (76° 45')		11.2	89°	+54.1	+42.9		1386.7		+708	+3008	200,045	2,826,270
170	3420		" " " "		9.0	89°	+59.9	+50.9		1394.7		+784	+3329	200,121	2,826,591
171	3749		158° 28' (76° 56')		6.1	89°	+65.7	+59.6		1403.4		+848	+3652	200,185	2,826,914
TP	3992		158° 35' 01"		4.4	89°	+70.0	+65.6		1409.6	TP	+894	+3890	200,234	2,827,151
TP ₂	3992		(77° 03' 05")		4.1	77°	+70.0	+65.9	+65.9		TP	+3	-1		
TP ₁			0° 00' 00"												
TP ₂	0				+4.95	M:		+5.0	1414.6		π	0	0	200,234	2,827,151
172	96		212° 10' (109° 13')		4.6	89°	+1.7	-2.9		1411.7		32	+91	200,202	2,827,242
TP ₃	634		201° 32' 25"		6.2	88° 56'	+12.9	+6.7		1421.3	TP	-95	+627	200,143	2,827,775
TP ₂	634		(98° 35' 30')		6.2	271° 10'	+12.9	+6.7			TP	+4	-5		

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
1-25-83		B. Cotcamp		D. Hamilton		6834		LL B.C.		10		16		
AREA		TOPO MAP		STATE		COUNTY		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.	
TP ₂			relates to (grids) 0° 00' 00"							1421.3				
TP ₃	0				+ 4.95	4i		+ 5.0	1426.3		T	0	0	200,143 2,827,775
173	215		02° 19' (280° 55')		8.4	-		- 8.4		1417.9		+ 41	- 211	200,184 2,827,564
174	127		210° 41' (129° 17')		5.7	89° 30'	+ 1.1	- 4.6		1421.7		- 80	+ 98	200,063 2,827,873
175	456		204° 48' (123° 24')		8.8	89° 30'	+ 4.0	- 4.8		1421.5		- 251	+ 381	199,892 2,828,156
176	782		208° 35' (127° 11')		8.9	89° 30'	+ 6.8	- 2.1		1424.2		- 473	+ 623	199,670 2,828,398
#	836		90° 02' 28" (08° 37' 58")		13.4	89° 30'	+ 7.3	- 6.1		1420.2	#	+ 827	+ 125	200,970 2,827,900
177	1104		212° 49' (131° 25')		9.8	89° 20'	+ 12.9	+ 3.1		1429.4		- 731	+ 828	199,412 2,828,603
178	1428		215° 26' (134° 02')		12.1	89° -	+ 25.0	+ 12.9		1439.2		- 993	+ 1027	199,150 2,828,802
TP _{line tie}	1723		217° 07' 46" (135° 43' 16")		11.2	89° -	+ 30.1	+ 8.9		1445.2	line tie	- 1233	+ 1203	198,910 2,828,978
179	1766		217° 14' (135° 50')		11.2	89° -	+ 30.7	+ 19.5		1445.8		- 1260	+ 1223	198,883 2,828,998
180	2072		216° 11' (134° 47')		10.0	89° -	+ 36.2	+ 26.2		1452.5		- 1460	+ 1471	198,683 2,829,246
181	2253		209° 08' (127° 44')		10.2	89° -	+ 39.4	+ 29.2		1455.5		- 1379	+ 1782	198,764 2,829,557
182	2410		201° 57' 31"		7.5	89° -	+ 42.2	+ 34.7		1461.1	TP	- 1225	+ 2075	198,915 2,829,847
182	2410		(120° 33' 01")		7.3	211° -	+ 42.2	+ 34.9	+ 34.8' 3		TP	- 3	- 3	
TP ₃			0° 00' 00"											
182	0				+ 5.15	4i		+ 5.2	1466.3		T	0	0	198,915 2,829,847
183	330		121° 05' (61° 38')		5.8	89° 30'	+ 2.9	- 2.9		1463.4		+ 157	+ 290	199,072 2,830,137

4-200,970 X-2,827,900
4-198,904 X-2,828,966
PREVIOUS TPOW
STN. 309 LINE #8 EL. 1445.2
4-WAY INTERSECTION
NOEIZ Y-+31
CORR. X-15

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-25-83		B. Cotcamp		D. Hamilton		6834		LL		10		17			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Deer 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 to (grids)						1466.3						
184	660		121° 05' (61° 38')		6.2	89° 30'	+5.8	-0.4		1465.9		+314	+581	199,229	2,830,428
185	990		" " " "		7.3	89° 30'	+8.7	+1.4		1467.7		+470	+871	199,385	2,830,718
186	1320		" " " "		8.4	89° 30'	+11.6	+3.2		1469.5		+627	+1162	199,542	2,831,009
187	1650		121° 05' (61° 38')		11.1	89° 30'	+14.5	+3.4		1469.7		+784	+1452	199,699	2,831,299
188	1980		" " " "		8.6	89° 40'	+11.6	+3.0		1469.3		+941	+1742	199,856	2,831,589
189	2310		" " " "		9.7	89° 50'	+6.8	-2.9		1463.4		+1098	+2033	200,013	2,831,890
190	2640		" " " "		6.6	89° 50'	+7.8	+1.2		1467.5		+1254	+2323	200,169	2,832,170
191	2970		121° 05' (61° 38')		12.9	89° 40'	+17.5	+4.6		1470.9		+1411	+2613	200,326	2,832,460
192	3300		" " " "		11.0	89° 40'	+19.4	+8.4		1474.7		+1568	+2804	200,483	2,832,751
193	3628		121° 20' 17"		11.0	89° 40'	+21.4	+10.4			TP	+1709	+3200	200,621	2,833,044
193	326 3628		(61° 53' 18")		10.9	270° 20'	+21.4	+10.5		1476.8	TP	-3	-3		
182			0° 00' 00"												
193	0				+5.05	41		+5.1	1481.9		TP	0	0	200,621	2,833,044
194	330		176° 43' (58° 36')		7.2	89° 40'	+1.9	-5.3		1476.6		+172	+292	200,793	2,833,326
195	660		178° 18' (60° 11')		11.0	89° 40'	+3.8	-7.2		1474.7		+328	+573	200,949	2,833,617
196	990		179° 25' (61° 18')		11.6	89° 40'	+5.8	-5.8		1476.1		+475	+868	201,096	2,833,912
197	1320		" " " "		9.8	89° 40'	+7.7	-2.1		1479.8		+634	+1158	201,255	2,834,202
198	1650		" " " "		9.6	89° 40'	+9.7	+0.1		1482.0		+792	+1447	201,413	2,834,491

SURVEY NOTES-HIGH RESOLUTION DATA
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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-25-83		B. Cotcamp		D. Hamilton		6834		LL B.C.		10		18			
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 to grids						1481.9						
199	1980		179° 25' (61° 18')		5.6	89° 40'	+11.6	+6.0		1487.9		+951	+1737	201,572	2,834,781
200	2310		" " " "		12.0	89° 24'	+24.3	+12.3		1494.2		+1109	+2026	201,730	2,835,070
201	2640		" " " "		10.6	89° 24'	+27.8	+17.2		1499.1		+1268	+2316	201,889	2,835,360
202	2969		179° 15' (61° 08')		7.6	89° 24'	+31.3	+23.7		1505.6		+1433	+2600	202,054	2,836,644
203	3289		177° 48' (59° 41')		7.0	89° 24'	+34.7	+27.7		1509.6		+1660	+2839	202,281	2,835,883
204	3604		176° 07' 41"		10.3	89° 20'	+42.2	+31.9		1514.0	TP	+1908	+3057	202,526	2,836,098
204	3664		(58' 00" 59' 11")		10.0	270° 46'	+42.2	+32.2	+32.1		TP	-3	-3		
193			0° 00' 00"												
204	0				+5.0	41'		+5.0	1519.0		X	0	0	202,526	2,836,098
205	330		155° 48' (33° 49')		5.3	89° 20'	+3.8	-1.5		1517.5		+274	+184	202,800	2,836,282
206	660		154° 52' (32° 53')		10.3	-		-10.3		1508.7		+554	+358	203,080	2,836,456
207	990		154° 28' (32° 29')		7.4	-		-7.4		1511.6		+835	+532	203,361	2,836,630
208	1320		154° 15' (32° 16')		11.7	89° 40'	+7.7	-4.0		1515.0		+1116	+705	203,642	2,836,803
209	1650		" " " "		12.9	89° 40'	+9.7	-3.2		1515.8		+1315	+881	203,921	2,836,979
210	1980		" " " "		11.5	89° 40'	+11.6	+0.1		1519.1		+1674	+1057	204,173	2,837,155
211	2310		154° 15' (32° 16')		4.3	89° 40'	+13.5	+9.2		1528.2		+1953	+1233	204,479	2,837,331
212	2640		" " " "		11.6	89° 20'	+30.9	+19.3		1538.3		+2232	+1409	204,758	2,837,507
213	2969		" " " "		7.7	89° 20'	+34.7	+27.0		1546.0		+2511	+1585	205,037	2,837,683

SURVEY NOTES-HIGH RESOLUTION DATA
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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-25-83		B. Cotcamp		D. Hamilton		6834		D.H. LL		10		19			
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 to grids						1519.0						
214	3298		154° 20' (32° 21')		10.7	89° 10'	+48.2	+37.5		1556.5		+278.6	+1765	205,312	2,837,863
215	3616		155° 39' 17"		6.6	89° -	+63.4	+56.8		1576.1	TP	+3009	+2005	205,532	2,838,100
215	3616		(33° 40' 16")		6.1	271° -	+63.4	+57.3	+57.1		TP	-3	-3		
204			6° 00' 00"												
215	0				+5.0	4i		+5.0	1581.1		X	0	0	205,532	2,838,100
216	328		211° 32' (65° 12')		5.3	88° 50'	+6.7	+1.4		1582.5		+138	+298	205,670	2,838,398
217	659		215° 22' (49° 02')		8.8	88° 50'	+13.4	+4.6		1585.7		+236	+615	205,768	2,838,715
218	986		216° 48' (70° 28')		9.3	88° 50'	+20.1	+10.8		1591.9		+330	+929	205,862	2,839,029
219	1314		215° 12' 36"		8.4	88° 50'	+26.8	+18.4			TP	+4.73	+1225	206,002	2,839,322
219	1314		(68° 52' 52")		8.3	271° 10'	+26.8	+18.5		1599.6	TP	-3	-3		
215			0° 00' 00"												
219	0				+4.9	4i		+4.9	1604.5		X	0	0	206,002	2,839,322
220	330		164° 56' (53° 49')		5.7	88° 50'	+6.7	+1.0		1605.5		+195	+266	206,197	2,839,588
221	659		161° 47' (50° 40')		9.1	88° 50'	+13.4	+4.3		1608.8		+418	+510	206,420	2,839,832
222	989		160° 31' (49° 30')		11.0	89° -	+17.3	+6.3		1610.8		+642	+752	206,644	2,840,074
223	1319		160° 12' (49° 05')		9.7	89° 10'	+19.2	+9.5		1614.0		+864	+997	206,866	2,840,319
224	1649		159° 52' (48° 45')		6.0	89° 10'	+24.0	+18.0		1622.5		+1087	+1240	207,089	2,840,562

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-25-83		B. Cotcamp		D. Hamilton		6834		DL LL		10		20			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Tereopa-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 (grid)						1604.5						
225	1977		160° 14' 43"		7.3	88° 40'	+42.6	+35.3			TP	+1293	+1495	207,292	2,840,814
225	1977		(49° 07' 35")		7.2	271° 14'	+42.6	+35.4		1639.9	TP	-3	-3		
219			0° 00' 00"												
225	0				+4.95	4i		+5.0	1644.9		TP	0	0	207,292	2,840,814
226	330		187° 09' (56° 17')		4.9	88° 30'	+8.6	+3.7		1648.6		+183	+274	207,475	2,841,088
227	660		" " " "		5.3	88° 30'	+17.3	+12.0		1656.9		+366	+549	207,658	2,841,363
228	990		" " " "		8.3	88° 30'	+25.9	+17.6		1662.5		+550	+823	207,842	2,841,637
229	1320		" " " "		12.1	88° 30'	+34.6	+22.5		1667.4		+733	+1098	208,025	2,841,912
230	1649		" " " "		10.1	88° 40'	+38.4	+28.3		1673.2		+915	+1372	208,207	2,842,186
23+TP	1872		186° 51' 19"		10.5	88° 40'	+43.6	+33.1			TP	+1047	+1551	208,336	2,842,362
TP	1872		(55° 58' 54")		10.4	271° 20'	+43.6	+33.2		1678.1	TP	-3	-3		access ROAD STA.
225			0° 00' 00"												
TP	0				+4.9	4i		+4.9	1683.0		TP	0	0	208,336	2,842,362
231	112		205° 48' (81° 47')		6.7	88° 20'	+3.3	-3.4		1679.6		+16	+111	208,352	2,842,473
232	443		199° 34' (75° 33')		6.0	88° 10'	+14.2	+8.2		1691.2		+111	+429	208,447	2,842,791
233	772		" " " "		8.7	88° 10'	+24.7	+16.0		1699.0		+193	+748	208,529	2,843,110
234	1102		" " " "		12.0	88° 10'	+35.3	+23.3		1706.3		+275	+1067	208,611	2,843,429
235	1432		" " " "		7.3	88° 10'	+45.9	+38.6		1721.6		+357	+1387	208,693	2,843,749

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-26-83		B. Cotcamp		D. Hamilton		6834		D.H. LL		16		21			
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 to (grids)						1683.0						
236	1762		199° 34' (75° 33')		12.9	87° 46'	+71.8	+58.9		1741.9		+440	+1706	208,776	2,844,068
237	2092		" " " "		6.4	87° 40'	+85.3	+78.9		1761.9		+522	+2026	208,858	2,844,388
238	2421		199° 21' (75° 26')		5.9	87° 40'	+98.7	+92.8		1775.8		+609	+2343	208,945	2,844,705
239	2751	2748.8	198° 39' 02"		9.6	87° 44'	+109.0	+99.4		1782.4	TP	+728	+2651	209,061	2,845,010
239	2751		(74° 37' 56")		9.7	272° 16'	+109.0	+99.3			TP	-3	-3		
TP ₁			0° 00' 00"												
239	0				+5.1	Hi		+5.1	1787.5		X	0	0	209,061	2,845,010
240	330		168° 32' (63° 10')		8.9	89° -	+5.8	-3.1		1784.4		+149	+294	209,210	2,845,304
241	660		" " " "		11.5	89° -	+11.5	±0.0		1787.5		+298	+589	209,359	2,845,599
242	990		" " " "		10.9	89° -	+17.3	+6.4		1793.9		+447	+883	209,508	2,845,893
243	1320		" " " "		12.5	89° -	+23.0	+10.6		1798.1		+596	+1178	209,657	2,846,188
244	1650		168° 32' (63° 10')		10.6	89° -	+28.9	+18.3		1805.8		+745	+1472	209,806	2,846,482
245	1980		" " " "		10.9	89° -	+34.6	+23.7		1811.2		+894	+1767	209,955	2,846,777
246	2310		" " " "		10.5	89° -	+40.4	+29.9		1817.4		+1043	+2061	210,104	2,847,071
247	2640		" " " "		8.3	89° -	+46.2	+37.9		1825.4		+1192	+2356	210,253	2,847,366
248	2970		168° 32' (63° 10')		6.8	89° -	+52.0	+45.2		1832.7		+1341	+2650	210,412	2,847,660
249	3300		" " " "		10.3	88° 54'	+63.6	+53.3		1840.8		+1490	+2945	210,551	2,847,955
250	3630		" " " "		9.0	88° 54'	+70.0	+61.0		1848.5		+1639	+3239	210,700	2,848,249
251	3960		" " " "		6.6	88° 54'	+76.3	+69.7		1857.2		+1788	+3534	210,849	2,848,544

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-26-83		B. Cotcamp		D. Hamilton		6834		D.H. LL		10		22			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Teocopa		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						1787.5						
252	4290		168° 32' (63° 10')		8.9	88° 50'	+87.7	+78.8		1866.3		+1936	+3829	210,997	2,848,838
253	4620		" " " "		5.0	88° 50'	+94.5	+89.5		1877.0		+2085	+4123	211,146	2,849,133
254	4947		168° 32' 06"		10.2	88° 46'	+107.0	+96.8		1884.2	TP	+2233	+4413	211,292	2,849,419
254	4947		(63° 10' 02")		10.4	271° 14'	+107.0	+96.6	+96.7		TP	-2	-4		
239			0° 00' 00"												
254	0				+5.05	4i		+5.1	1889.3		TP	0	0	211,292	2,849,419
255	330		180° 08' (63° 18')		9.0	88° -	+11.5	+2.5		1891.8		+148	+295	211,440	2,849,714
256	660		" " " "		6.6	88° -	+23.0	+16.4		1905.7		+297	+590	211,589	2,850,009
257	990		" " " "		9.0	88° -	+34.6	+25.6		1914.9		+445	+884	211,737	2,850,303
258	1320		" " " "		8.5	88° -	+46.1	+37.6		1926.9		+593	+1179	211,595	2,850,598
259	1650	1649.0	180° 08' (63° 18')		6.8	88° -	+57.6	+50.8		1940.1		+741	+1474	212,033	2,850,893
260	1980	1978.8	" " " "		6.8	88° -	+69.2	+62.4		1951.7		+890	+1769	212,182	2,851,188
261	2310	2308.6	" " " "		9.3	88° -	+80.7	+71.4		1960.7		+1038	+2064	212,330	2,851,483
262	2640	2638.4	" " " "		10.9	88° -	+92.3	+81.4		1970.7		+1186	+2359	212,478	2,851,778
263	2970	2968.2	" " " "		12.0	88° -	+103.8	+91.8		1981.1		+1334	+2653	212,626	2,852,072
264	3300	3298.2	" " " "		11.0	88° 06'	+109.6	+98.6		1987.9		+1483	+2948	212,775	2,852,367
265	3630		180° 07' 54"		8.4	88° 10'	+116.4	+108.0		1997.3	TP	+1630	+3241	212,920	2,852,656
265	3630		(63° 17' 56")		8.5	271° 50'	+116.4	+107.9			TP	-2	-4		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-26-83		B. Cotcamp		D. Hamilton		6834		D.H. LL		10		23			
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 to grids							1997.3					
254			0° 00' 00"												
265	0				+5.15	Hi		+5.2	2002.5		π	0	0	212,920 2,852,656	
266	330		180° 03' (63° 21')		6.4	88° 10'	+10.6	+4.2		2006.7		+148	+295	213,068 2,852,957	
267	660		" " " "		7.7	88° 10'	+21.1	+13.4		2015.9		+296	+590	213,216 2,853,246	
268	990		" " " "		9.9	88° 10'	+31.7	+21.8		2024.3		+444	+885	213,364 2,853,541	
269	1320		" " " "		9.9	88° 20'	+38.4	+28.5		2031.0		+592	+1180	213,512 2,853,836	
270	1650		180° 03' (63° 21')		8.8	88° 20'	+48.0	+39.2		2041.7		+740	+1475	213,660 2,854,131	
271	1980		" " " "		9.5	88° 20'	+57.7	+48.2		2050.7		+888	+1770	213,808 2,854,426	
272	2310	2309.0	" " " "		9.4	88° 20'	+67.3	+57.9		2060.4		+1036	+2065	213,956 2,854,721	
273	2640	2638.9	" " " "		12.0	88° 20'	+76.9	+64.9		2067.4		+1184	+2360	214,104 2,855,016	
274	2970	2968.7	180° 03' (63° 21')		12.2	88° 20'	+86.6	+74.4		2076.9		+1333	+2654	214,253 2,855,310	
275	3300	3298.6	" " " "		11.6	88° 20'	+96.2	+84.6		2087.1		+1480	+2949	214,400 2,855,605	
276	3630	3628.5	" " " "		8.0	88° 20'	+105.8	+97.8		2101.3		+1628	+3244	214,548 2,855,900	
277	3960	3958.0	" " " "		12.7	88° 12'	+124.7	+112.0		2114.5		+1776	+3539	214,696 2,856,195	
278	4290	4287.8	" " " "		10.8	88° 10'	+137.6	+126.8		2129.3		+1924	+3834	214,844 2,856,490	
279	4620	4617.6	180° 03' (63° 21')		5.9	88° 10'	+148.2	+142.3		2144.8		+2072	+4129	214,992 2,856,785	
280	4950	4947.2	" " " "		10.0	88° 04'	+167.5	+157.5		2160.0	TP	+2220	+4424	215,140 2,857,080	
281	5278	5275.0	180° 04' 14"		8.4	88° 04'	+178.6	+170.2		2172.5	TP	+2364	+4715	215,282 2,857,367	
281	5278		(63° 22' 10")		7.9	271° 56'	+178.6	+169.7	+170.0 } 3		TP	-2	-4		

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1-26-83		B. Cotcamp		D. Hamilton		6834		D.H.		LL		10 24				
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	X
265			0° 00' 00"							2172.5						
281	0			+ 5.15	H.I.		+5.2		2177.7		π	0	0	215,282	2,857,367	
282	330		179° 44' (63° 06')		6.3	87° 20'	+15.4	+9.1		2186.8		+149	+294	215,431	2,857,661	
283	660		" " " "		6.9	87° 20'	+30.7	+23.8		2201.5		+299	+589	215,581	2,857,956	
284	990	988.9	" " " "		7.8	87° 20'	+46.1	+38.3		2216.0		+448	+883	215,730	2,858,250	
285	1320	1318.6	" " " "		10.1	87° 20'	+61.4	+51.3		2229.0		+597	+1177	215,879	2,858,544	
286	1648	1646.3	180° 44' (64° 06')		11.2	87° 24'	+74.8	+63.6		2241.3		+720	+1482	216,002	2,858,849	
287	1957	1955.0	184° 09' (67° 31')		9.1	87° 24'	+88.9	+79.8		2257.5		+748	+1808	216,030	2,859,175	
288	2263	2260.7	187° 36' (70° 58')		7.7	87° 24'	+102.8	+95.1		2272.8		+738	+2139	216,020	2,859,506	
289	2573	2570.4	190° 15' (73° 37')		5.9	87° 24'	+116.9	+111.0		2288.7		+726	+2469	216,008	2,859,836	
Half Section	3077	3073.8	183° 47' 12" (67° 09' 22")		13.0	87° 24'	+139.8	+126.8		2304.5	Half sec.	+1193	+2833	216,475	2,860,200	
290	2888	2884.8	192° 15' 21"		10.5	87° 18'	+136.2	+125.7		2303.4	TP	+716	+2794	215,996	2,860,156	
290	2888		(75° 37' 31")		10.6	27° 42'	+136.2	+125.6			TP	-2	-5			
291			0° 00' 00"													
290	0				+5.05	H.I.		+5.1		2308.5		π	0	0	215,996	2,860,156
291	330		196° 10' (91° 47')		6.8	87° 30'	+14.4	+7.6		2316.1		+10	+330	215,986	2,860,486	
292	660		" " " "		9.2	87° 30'	+28.8	+19.6		2328.1		+214	+680	215,975	2,860,816	
293	990		" " " "		10.0	87° 30'	+43.2	+33.2		2341.7		+31	+990	215,965	2,861,146	

2017 LAND OFFICE
 HALF SEC. 1911 ELI 2305
 Horiz y-30
 CORR. x-36

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE						
1-26-83		D. Hamilton		B. Colcamp		6834		D.H. LL		10		25						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER				
Depth Valley		Tecos 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 to grids)						2308.5									
294	1320	1318.7	196° 10' (91° 47')		11.2	87° 30'	+57.6	+46.4		2354.9		41	+1319	215,955	2,861,475			
295	1650	1648.4	" " " "		10.8	87° 30'	+72.0	+61.2		2369.7		51	+1649	215,945	2,861,805			
296	1979	1977.1	" " " "		10.7	87° 30'	+86.4	+75.7		2394.2		62	+1978	215,934	2,862,134			
297	2308	2305.8	195° 32' (91° 10')		11.0	87° 30'	+100.8	+89.8		2398.3		47	+2308	215,949	2,862,464			
298	2639	2636.5	195° 00' (90° 38')		10.4	87° 30'	+115.3	+104.9		2413.4		29	+2639	215,967	2,862,795			
299	2966	2963.2	194° 40' (90° 18')		10.0	87° 30'	+129.6	+119.6		2428.1		16	+2966	215,980	2,863,122			
300	3296	3292.9	194° 22' (89° 00')		7.5	87° 30'	+144.0	+136.5		2445.0		0	+3296	215,996	2,863,452			
301	3627	3623.3	194° 11' (89° 49')		10.5	87° 24'	+164.8	+154.3		2462.8		12	+3627	216,008	2,863,783			
302	3956	3951.9	193° 58' (89° 36')		8.9	87° 24'	+179.8	+170.9		2479.4		28	+3956	216,024	2,864,112			
303	4285	4280.6	193° 48' (89° 26')		8.8	87° 24'	+194.8	+186.0		2494.5		42	+4285	216,038	2,864,441			
304	4615	4610.2	193° 42' (89° 20')		9.8	87° 24'	+209.8	+200.0		2508.5		54	+4615	216,050	2,864,771			
305	4945	4939.6	193° 47' 53"		14.4	87° 20'	+230.6	+216.2		2524.9	TP	+50	+4939	216,044	2,865,090			
305	4945		(89° 25' 24")		14.1	272° 40'	+230.6	+216.5	+216.43		TP	-2	-5					
290			0° 00' 00"															
305	0				5.1	H.I.		+5.1	2530.0		X	0	0	216,044	2,865,090			
306	330		188° 10' (91° 35')		6.3	87° 20'	+15.4	+9.1		2539.1		44	+327	216,000	2,865,417			
307	660		" " " "		7.0	87° 20'	+30.7	+23.7		2553.7		87	+657	215,957	2,865,744			

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-26-83		D. Hamilton		B. Colcamp		6834		D.H. LL		10		26			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Topog 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 (gr. 45)						2530.0						
308	990	988.9	188° 10' (97° 35')		7.5	87° 20'	+46.1	+38.6		2568.6		131	+981	215,913	2,866,071
309	1319	1317.6	" " "		8.3	87° 20'	+61.4	+53.1		2583.1		174	+1307	215,870	2,866,397
310	1648	1646.2	190° 30' 39"		7.8	87° 20'	+76.7	+68.9			T.P.	-284	+1622	215,758	2,866,707
310	1648		(99° 56' 03")		7.7	272° 40'	+76.7	+69.0		2599.0	T.P.	-2	-5		gross station
305			0° 00' 00"												
310	0				5.05	H.I.		+5.1	2604.1		T	0	0	215,758	2,866,707
311	334		211° 00' (130° 56')		7.3	87° 30'	+14.6	+7.3		2611.4		219	+252	215,539	2,866,959
312	663		210° 53' (130° 41')		8.1	87° 40'	+27.0	+18.9		2623.0		433	+502	215,325	2,867,209
313	992		212° 59' (132° 35')		9.3	87° 40'	+40.4	+31.1		2635.2		675	+726	215,083	2,867,433
314	1320	1318.9	211° 38' (131° 34')		6.5	87° 40'	+53.8	+47.3		2651.4		876	+988	214,882	2,867,695
TP	1496	1494.8	210° 08' 07"		5.7	87° 40'	+61.0	+55.3		2659.5	T.P.	-962	+1144	214,794	2,867,846
TP	1496		(130° 04' 10")		5.5	272° 20'	+61.0	+55.5	+55.43		T.P.	-2	-5		
310			0° 00' 00"												
TP	0				5.15	H.I.		+5.2	2664.7		T	0	0	214,794	2,867,846
315	150		162° 26' (112° 30')		2.1	88° 30'	+3.9	+1.8		2666.5		57	+139	214,737	2,867,985
316	474		152° 29' (102° 33')		7.4	87° 30'	+20.7	+13.3		2678.0		103	+463	214,691	2,868,309
317	789		143° 40' (93° 44')		7.6	87° 30'	+34.4	+26.8		2691.5		51	+787	214,743	2,868,633

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
1-26-83		D. Hamilton		B. Cotcamp		6834		D.H. LL		10		27							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Deer 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 -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
			plates to (grids)						2664.7										
318	1103	1102.0	147°50'12"		6.3	87°30'	+48.1	+41.8		2706.4	T.P	-152	+1091	214,640	2,868,932				
318	1103		(97°54'22")		6.6	272°30'	+48.1	+41.5	+41.73		T.P	-2	-5						
TP			0°00'00"																
318	0				5.3	H.I.		+5.3	2711.7		T	0	0	214,640	2,868,932				
319	330		206°01' (123°55')		8.4	86°50'	+18.2	+9.8		2721.5		784	+274	214,456	2,869,206				
320	660	659.0	208°46' (124°40')		6.2	86°50'	+36.5	+30.3		2742.0		394	+529	214,246	2,869,461				
321	990	988.0	209°15' (127°09')		8.6	86°20'	+63.3	+54.7		2766.4		598	+789	214,042	2,869,721				
322	1372	1309.1	206°55' (124°49')		6.8	86°10'	+87.7	+80.9		2792.6		749	+1077	213,891	2,870,009				
323	1562	1557.9	198°59' (116°53')		7.9	85°50'	+113.5	+105.6		2817.3		706	+1393	213,934	2,870,325				
324	1855	1851.1	193°47' (111°41')		8.0	86°17'45"	+119.9	+111.9		2823.6		685	+1724	213,955	2,870,656				
325	2152	2148.0	189°54' (107°48')		8.0	86°29'18"	+131.9	+123.9		2835.6		658	+2049	213,982	2,870,981				
326	2454	2444.0	187°05' (104°59')		8.3	84°50'	+221.1	+212.8		2924.5		634	+2371	214,006	2,871,303				
TP	2536	2526.0	186°24'15"		4.5	84°50'	+228.5	+224.0		2935.9	TP	-624	+2447	214,014	2,871,374				
TP	2536		(104°18'37")		4.1	275°10'	+228.5	+224.4	+224.23		TP	-2	-5						
318			0°00'00"																
TP	0				+4.95	H.I.		+5.0	2940.9		T	0	0	214,014	2,871,374				
327	250	242.9	168°59' (93°18')		6.6	103°40'	-59.1	-65.7		2875.2		74	+250	214,000	2,871,624				

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-27-83		B. Cotcamp		D. Hamilton		6834		D.H. LL		10		28			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Depth 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 to grids						2940.9						
328	580	563.6	167° 21' (93° 40')		12.8	103° 40'	-137.0	-149.8		2791.1		37	+579	213,977	2,871,953
329	897	881.2	167° 54' (92° 13')		9.9	160° 46'	-167.6	-177.5		2763.4		35	+896	213,979	2,872,210
330	1204	1188.6	161° 47' (86° 06')		10.7	99° 10'	-191.8	-202.5		2738.4		+82	+1201	214,096	2,872,575
331	1517	1501.6	157° 21' (81° 40')		11.9	98° 10'	-215.4	-227.3		2713.6		+220	+1501	214,234	2,872,875
332	1834	1820.3	154° 22' (78° 41')		12.7	97°	-223.4	-236.1		2704.8		+360	+1798	214,374	2,873,172
333	2153	2140.5	152° 10' (76° 29')		10.1	96° 10'	-231.2	-241.3		2699.6		+503	+2094	214,517	2,873,468
334	2477	2464.2	150° 28' 53"		6.4	95° 50'	-251.6	-258.0		2682.9	TP	+646	+2378	214,658	2,873,747
334	2477		(74° 47' 30")		6.4	264° 10'	-251.6	-258.0			TP	-2	-5		
TP			0° 00' 00"												
334	0				+5.15	Hi		+5.2	2688.1		X	0	0	214,658	2,873,747
335	330		169° 33' (64° 21')		8.6	93°	-17.3	-25.9		2662.2		+143	+297	214,801	2,874,044
336	660		" " " "		11.3	91°	-11.5	-22.8		2665.3		+296	+595	214,944	2,874,342
337	990		" " " "		9.9	90° 34'	-9.8	-19.7		2668.4		+429	+892	215,087	2,874,639
338	1320		" " " "		12.4	90° 10'	-3.8	-16.2		2671.9		+571	+1190	215,229	2,874,937
339	1650		169° 33' (64° 21')		12.0	90° 10'	-4.7	-16.7		2671.4		+714	+1487	215,372	2,875,234
340	1980		" " " "		9.1	90° 10'	-5.7	-14.8		2673.3		+857	+1785	215,515	2,875,532
341	2310		" " " "		11.0	-		-10.9		2677.2		+1000	+2082	215,658	2,875,829
342	2640		" " " "		8.6	-		-8.5		2679.6		+1143	+2380	215,801	2,876,127

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
1-27-83		B. Cotcamp		D. Hamilton		6834		D.H. LL B.C.		10	29						
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER									
Death Valley		Tecopa-15'	CALIF.	INYO				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 X TP	NORTH +	EAST +	COORDINATES		REMARKS	
												SOUTH -	WEST -	Y	X		
			plates to grids						2688.1								
343	2970		169° 33' (64° 21')		7.8	-		-7.6		2680.5		+286	+2677	219,944	2,876,424		
344	3300		" " "		8.8	-		-8.6		2679.5		+1428	+2975	216,086	2,876,722		
345	3630		" " "		11.0	-		-10.7		2677.4		+1571	+3272	216,229	2,877,019		
346	3960		" " "		11.6	-		-11.3		2676.8		+1714	+3570	216,372	2,877,317		
347	4290		169° 33' (64° 21')		10.9	90° 04'	-4.6	-15.5		2672.6		+1857	+3867	216,515	2,877,614		
348	4620		" " "		10.1	90° 04'	-4.9	-15.0		2673.1		+2000	+4165	216,658	2,877,912		
349	4950		169° 31' 07"		9.2	90° 04'	-5.3	-14.5		2673.8	TP	+2146	+4461	216,802	2,878,203		
349	4950		(64° 18' 37")		8.9	169° 56'	-5.3	-14.2	-14.3		TP	-2	-5				
334			0° 00' 00"														
349	0				+5.15	M.		+5.2	2679.0		X	0	0	216,802	2,878,203		
350	330		180° 06' (64° 25')		6.0	-		-6.0		2673.0		+143	+298	216,945	2,878,501		
351	660		" " "		5.7	-		-5.7		2673.3		+285	+595	217,087	2,878,798		
352	990		" " "		7.7	-		-7.7		2671.3		+428	+893	217,230	2,879,096		
353	1320		" " "		11.0	-		-11.0		2668.0		+570	+1191	217,372	2,879,394		
354	1650		180° 06' (64° 25')		10.4	-		-10.3		2668.7		+713	+1488	217,515	2,879,691		
355	1980		" " "		11.0	-		-10.9		2668.1		+855	+1786	217,657	2,879,989		
356	2310		" " "		11.3	-		-11.2		2667.8		+998	+2084	217,800	2,880,287		
357	2640		" " "		12.1	-		-12.0		2667.0		+1140	+2381	217,942	2,880,584		
358	2970		" " "		8.1	90° 08'	-6.7	-14.8		2664.2		+1243	+2679	218,085	2,880,882		

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE 1-27-83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY L.L. B.C.	LINE NO. 10	PAGE 30
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 to grids						2679.0						
359	3300		180° 06' (64° 25')		10.0	90° 08'	-7.5	-17.5		2661.5		+1425	+2976	218,227	2,881,179
360	3630		" " "		10.5	90° 12'	-12.4	-22.9		2656.1		+1568	+3274	218,370	2,881,477
361	3960		" " "		10.7	90° 15'	-17.0	-27.7		2651.3		+1710	+3572	218,512	2,881,775
362	4290		" " "		14.6	90° 15'	-18.3	-32.9		2646.1		+1853	+3867	218,655	2,882,072
363	4620		" " "		20.9	90° 15'	-19.7	-40.6		2638.4		+1995	+4167	218,797	2,882,370
364	4950		" " "		24.7	90° 15'	-21.1	-45.8		2633.2		+2138	+4465	218,940	2,882,668
365	5278		" " "		20.8	90° 20'	-30.1	-50.9		2628.1		+2279	+4761	219,081	2,882,964
Sec.	4201		238° 42' 59"		8.7	91° 30'	-109.6	-118.3			TP	-2289	+3521	214,510	2,881,720
Corner	4201		(123° 01' 36")		8.4	268° 30'	-109.6	-118.0	-118.15	2560.9	TP	-3	-4		

E.O.L. Line #10
 2125 y = 214,510 x - 2,881,720
 LAND OFFICE BL 2562
 Survey Horiz y = -19'
 Cont. x = -44