

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

PAGE 1 OF 62

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-30-81		M. KNAPP		B. COLEMAN		6834		MPK		6		-1			
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER			
CALIFORNIA		DEL SUR-7 1/2		CALIF.		L.A.						L. CAUIS			
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
BM	660		205°44'14"	-180° +14.9°	+5.8	89°-	-11.5	-5.7	2530.3	2536.0	BS			432,895	1,902,730
BM	660				+3.8	89°10'	-9.6	-5.8			BS	+501 +1	+430 +2		
0	493		207°40'43"	+14.9°	7.4	89°-	+8.6	+1.2		2531.5		-363	-334	433,034	1,902,828
-1	330		207°41'	"	6.3	89°-	+5.8	-0.5		2529.8		-243	-223	433,154	1,902,939
-2	165		" "	"	6.2	89°-	+2.9	-3.3		2527.0		-121	-112	433,276	1,903,050
-3	0				5.4	-		-5.4		2524.9	TP	0	0	433,397	1,903,162
-4	165		27°28'	+14.9°	10.8	89°-	+2.9	-7.9		2522.4		+122	+111	433,519	1,903,273
-5	330		" "	"	10.2	-		-10.2		2520.1		+244	+222	433,641	1,903,384
-6	495		" "	"	12.0	-		-12.0		2518.3		+366	+334	433,763	1,903,496
-7	660		27°27'39"	"	14.8	-		-14.8		2515.5		+488	+445	433,885	1,903,607
LINE TIE	410		233°56'41"	+14.9°	9.4	89°-	+7.2	-2.2		2528.1		-148	-382	433,249	1,902,780
IF	582		204°34'55"		6.8	89°-	+10.2	+3.4		2533.7		-449 +2	-370 +3	432,950	1,902,795
IF	582				5.1	89°10'	+8.5	+3.4							

Y-433,249 X-1,902,772
 LINE TIE EL. 2527.8
 Y-432,950 X-1,902,195
 4-WAY INST. EL. 2532.3
 HORR. CORR.
 Y-+3
 X-+5

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

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DATE 3-9-82	INSTRUMENT MAN D. COCCANN	ROD MAN M. KNAPP	PARTY NUMBER 6834	NOTES CHECKED BY MPK Jm	LINE NO. 6	PAGE 1
AREA CALIFORNIA	TOPO MAP DEL SUR	STATE CALIF.	COUNTY L.A.	TWP	RANGE	PPM
				PARTY MANAGER L. DAVIS		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
K1	U.S.G.S	Bench mark								2536.0	K1								
BS	2970		28 13 51 +180	+15.2°	+6.2	91° 20'	+69.1	+75.3	2611.3		BS	-2156	-2041						
BS	2970				+12.9	91° 12'	+62.2	+75.15			BS	-6	-1						
1	2969		27° 43'	+16.2°	6.1	91° 20'	-69.1	-75.2		2536.1		+2174	+2022	432,907	1,902,710				
2	2808		" "	"	8.3	91° 20'	-65.3	-73.6		2537.7		+2056	+1912	432,789	1,902,600				
3	2640		" "	"	10.0	91° 20'	-61.4	-71.4		2539.9		+1933	+1798	432,666	1,902,486				
4	2475		" "	"	9.9	91° 20'	-57.6	-67.5		2543.8		+1813	+1685	432,546	1,902,373				
5	2310		27° 43'	"	12.0	91° 20'	-53.7	-65.7		2545.6		+1692	+1573	432,425	1,902,261				
6	2145		" "	"	12.9	91° 20'	-49.9	-62.8		2548.5		+1571	+1461	432,304	1,902,149				
7	1980		" "	"	12.9	91° 20'	-46.1	-59.0		2552.3		+1450	+1348	432,183	1,902,036				
8	1815		" "	"	8.3	91° 30'	-47.5	-55.8		2555.5		+1329	+1236	432,062	1,901,924				
9	1650		27° 43'	+15.2°	8.7	91° 30'	-43.2	-51.9		2559.4		+1208	+1124	431,941	1,901,812				
10	1485		" "	"	9.5	91° 30'	-38.9	-48.4		2562.9		+1088	+1011	431,821	1,901,699				
11	1320		" "	"	11.5	91° 30'	-34.5	-46.0		2565.3		+967	+899	431,700	1,901,587				
12	1155		" "	"	11.3	91° 30'	-30.2	-41.5		2569.8		+846	+786	431,579	1,901,474				
13	990		27° 43'	"	11.9	91° 30'	-25.9	-37.8		2573.5		+725	+674	431,458	1,901,362				
14	825		" "	"	11.9	91° 30'	-21.6	-33.5		2577.8		+604	+562	431,337	1,901,250				
15	660		" "	+15.2°	10.0	91° 30'	-17.3	-27.3		2584.0		+483	+449	431,216	1,901,137				
16	495		" "	"	7.4	91° 30'	-13.0	-20.4		2590.9		+363	+337	431,096	1,901,025				
17	330		" "	"	5.2	91° 30'	-8.6	-13.8		2597.5		+242	+225	430,975	1,900,913				
18	165		" "	"	4.3	91° 30'	-4.3	-8.6		2602.7		+121	+112	430,854	1,900,800				

SURVEY NOTES-HIGH RESOLUTION DATA
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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
3-9-82		B. COCCAMP		M. KWAPP		6834		MPK Jm		6		2		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
CALIFORNIA		Del SUR-7 1/2		CALIF.		L.A.						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.	
									2611.3					
19	0			+15.2°	5.4	-		-5.4		2605.9	TP	0	0	430,733 1,900,688
20	165		208° 19'	"	7.1	87° 40'	+6.7	-0.4		2610.9		-120	-114	430,613 1,900,574
21	330		" "	"	8.5	87° 40'	+13.4	+4.9		2616.2		-239	-227	430,494 1,900,461
22	495		" "	"	11.4	87° 40'	+20.1	+8.7		2620.0		-359	-341	430,374 1,900,347
23	660		" "	"	11.4	88° -	+23.0	+11.6		2622.9		-479	-454	430,254 1,900,234
24	825		" "	"	11.8	88° -	+28.8	+17.0		2628.3		-598	-568	430,135 1,900,120
25	990		" "	"	9.7	88° -	+34.5	+24.8		2636.1		-718	-682	430,015 1,900,006
26	1155		208° 19'	"	7.7	88° -	+40.3	+32.6		2643.9		-838	-795	429,895 1,899,893
27	1320		" "	"	7.2	88° -	+46.0	+38.8		2650.1		-957	-909	429,776 1,899,779
28	1485		" "	"	7.0	88° -	+51.8	+44.8		2656.1		-1077	-1023	429,656 1,899,665
29	1650		" "	"	6.4	88° -	+57.6	+51.2		2662.5		-1197	-1136	429,536 1,899,552
30	1815		" "	"	6.2	88° -	+63.3	+57.1		2668.4		-1316	-1250	429,417 1,899,438
31	1980		" "	"	7.1	88° -	+69.1	+62.0		2673.3		-1436	-1363	429,297 1,899,325
32	2145		208° 19'	"	9.4	88° -	+74.8	+65.4		2676.7		-1556	-1477	429,177 1,899,211
33	2310		" "	"	12.1	88° -	+80.6	+68.5		2679.8		-1675	-1591	429,058 1,899,097
34	2475		" "	"	11.7	88° -	+86.3	+74.6		2685.9		-1795	-1704	428,938 1,898,984
35	2640		" "	"	11.3	88° -	+92.1	+80.8		2692.1		-1914	-1818	428,819 1,898,870
36	2805		" "	"	9.1	88° -	+97.8	+88.7		2700.0		-2034	-1931	428,699 1,898,757
37	2969		208° 18' 42"	"	9.5	88° -	+103.6	+94.12		2705.4	TP	-2152	-2043	428,575 1,898,644
37	2969			"	14.7	87° 54'	+108.7	+94.8			TP			

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3-9-82		B. COLEMAN		M. KNAF		6834		MPK JM		6	3					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
CALIFORNIA		Del Sur-7 1/2		CALIF.	L.A.					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	
										2705.4						
	656		29°09'36"+180°	+15.2°	+10.9	93°-	+34.3	+45.2	2750.6		BS	-468	-458			
	656				+9.0	93°10'	+36.2	+45.2			BS	-6	-1			
38	495		28°57'	+15.2°	6.1	97°-	-59.9	-66.0		2684.6		+355	+345	428,456	1,898,530	DOWN IN VALLEY
39	330		" "	"	12.0	98°20'	-47.3	-59.3		2691.3		+237	+230	428,338	1,898,415	
40	165		29°12'	"	12.3	97°-	-20.0	-32.3		2718.3		+118	+115	428,219	1,898,300	
41	0				5.4	-		-5.4		2745.2	TP	0	0	428,101	1,898,185	
42	165		208°38'	+15.2°	7.1	85°20'	+13.4	+6.3		2756.9		-119	-114	427,982	1,898,071	
43	330		" "	"	8.2	85°20'	+26.8	+18.6		2769.2		-238	-229	427,863	1,897,956	
44	495		" "	"	4.8	86°-	+34.4	+29.6		2780.2		-357	-343	427,744	1,897,842	
45	660		208°37'30"	"	7.0	86°-	+45.9	+38.9		2789.5	TP	-475	-456	427,620	1,897,727	
45	660				5.1	86°10'	+44.0	+38.9			TP	-6	-2			
BS	486		13°15'42"+180°	+15.2°	+11.2	93°-	+25.4	+36.6	2826.1		BS	-427	-231			
BS	486				+12.6	92°50'	+24.0	+36.6			BS	-6	-2			
SEC. COR.	396		339°08'20"	+15.2°	11.8	94°-	-27.6	-39.4		2786.7	SEC. COR.	+393	-39	427,580	1,897,455	Y-427,565 X-1,897,410 SEC. COR.
46	328		11°08'	"	9.0	94°10'	-23.8	-32.8		2793.3		+294	+146	427,481	1,897,640	
47	161		15°09'	"	7.8	94°30'	-12.6	-20.4		2805.7		+139	+81	427,326	1,897,575	
48	0				5.4	-		-5.4		2820.7	TP	0	0	427,187	1,897,494	
49	162		175°56'	+15.2°	3.4	85°-	+14.1	+10.7		2836.8		-159	-31	427,028	1,897,463	
50	328		169°59'	"	6.9	82°30'	+42.4	+35.5		2861.6		-321	-30	426,860	1,897,464	
51	495		169°54'	"	7.9	82°30'	+64.1	+61.2		2887.3		-493	-44	426,694	1,897,450	

SURVEY NOTES-HIGH RESOLUTION DATA
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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
3-9-82		B. Cotcamp		M. Knapp		6834		MPK dm		6	4				
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER							
CALIF.		DEL SUR-7 1/2	CALIF.	L.A.				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
									2826.1						
52	658		168° 25'	+15.2°	12.7	82° 20'	+87.0	+74.3		2900.4		-657	-42	426,530	1,897,452
53	825		169° 55' 32"	+15.0°	7.0	81° -	+127.5	+120.5			TP	-812	-70	426,367	1,897,422
53	825		" "	" "	4.6	81° 10'	+125.2	+120.6		2946.7	TP				LAST STA. ON NORTH SIDE OF MOUNTAIN.
	3974	3963.5	165° 05' 26" +180	+15.0°	+1.3	85° 50'	-289.1	-287.8			BS	+3963	+6		E.O.M.
	3974				+10.6	85° 42'	-298.3	-287.7	2659.0		BS				r
TP	0				5.4	-		-5.4		2653.6	X	0	0	430,326	1,897,426
TP	2581		344° 28' 20"	+15.0°	5.6	91° 20'	-59.9	-65.5		2593.5	TP	+2580	-24	432,900	1,897,400
TP	2581				13.1	91° 10'	-52.4	-65.5			TP				Way Int. Horiz. Cor. 2' - 1/8" EL. 2594.0 E.O.M. -13'
K1	Take off	FOR HORIZONTAL CONTROL			y ROAD NORTH			(22100)	y = 422,195	x = 1,889,095	K1			422,195	1,889,095
BS	1430		251° 28' 41" -180	+15.5°		93° -					BS	+75	+1426		
BS	1430										BS	+3	+2		
TP	0				5.4	-		-5.4			X	0	0	422,273	1,890,523
TP	944		83° 44' 55"	+15.5°		96° 20'					TP	-152	+932	422,124	1,891,457
TP	944										TP	+3	+2		
BS	672		243° 33' 42" -180	+15.5°		89° 20'					BS	+128	+660		
BS	672										BS	+3	+2		
TP	0				5.4	-		-5.4			X	0	0	422,255	1,892,119
TP	403		87° 51' 24"	+15.5°		88° -					TP	-93	+392	422,165	1,892,513
TP	403										TP				STATION 306 OF LINE #1 y=422,107 x=1,894,87

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
3-10-82		B. COFCAMP		M. KOPPP		6834		MPK dm		6	5			
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
CALIFORNIA		DEL SUR 7 1/2		CALIF.	L. A.					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.	
K			ELEVATION TAKE OFF - STATION 306 OF LINE #1							3477.0	K1			STA. 306 Line #1
	1338		224°18'17"	15.5°	+6.2	98°-	+184.4	+190.6			BS	+666 ₊₃	+1145 ₊₂	El. 3477.0
	1338				+10.0	97°50'	+180.7	+190.7	3667.7		BS			
TP	0				5.4	-		-5.4	3662.3		TP	0	0	422,834 1,893,660
TP	335		38°55'43"	+15.5°	5.3	92°-	-11.7	-17.0	3650.7		TP	+195 ₊₃	+272 ₊₂	423,032 1,893,934
TP	335				6.3	91°50'	-10.7	-17.0			TP			
	152		221°30'20"	+15.5°	+7.0	85°10'	-12.8	-5.8			BS	+82 ₊₃	+127 ₊₂	
	152				+7.5	85°-	-13.2	-5.7	3645.0		BS			
79	330		46°42'	+15.5°	8.8	94°30'	-25.8	-34.6	3610.4			+154	+292	423,271 1,894,355
80	165		47°24'	"	3.2	94°30'	-12.9	-16.1	3628.9			+75	+147	423,192 1,894,210
81	0				5.4	-		-5.4	3639.6		TP	0	0	423,117 1,894,063
82	165		222°14'	+15.5°	8.1	85°-	+14.3	+6.2	3651.2			-88	-140	423,029 1,893,923
83	330		221°43'	"	11.7	85°50'	+23.9	+12.2	3657.2			-179	-277	422,938 1,893,786
TP	358		219°33'51"	"	13.0	85°30'	+28.0	+15.0	3660.0		TP	-203 ₊₃	-294 ₊₂	422,917 1,893,771
TP	358				12.0	85°40'	+27.0	+15.0			TP			
	135		39°35'26"	+15.5°	+8.0	-		+8.0	3668.0		BS	-77 ₊₃	-111 ₊₂	
	135				+7.3	BH	+0.7	+8.0			BS			
84	0				5.4	-		-5.4	3662.6		TP	0	0	422,843 1,893,662
85	168		229°16'31"	+15.5°	5.9	96°50'	-19.8	-25.7	3642.3		TP	-71 ₊₃	-151 ₊₂	422,775 1,893,513
85	168				6.3	96°40'	-19.4	-25.7			TP			

FIRST STA. ON TOP OF MOUNTAIN SCALED DISTANCE BETWEEN STA. 53 AND TP TO GET APPROXIMATE LOCATION + STATION #

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3-10-82		B. Cotcamp		M. Knapp		6834		MPK Jm		6	6			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
CALIF.		Del. Sur-7 1/2'		CALIF.		L.A.					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.	
										3642.3				
	1150		47° 22' 14" +180°	+15.5°	+7.5	82°	-158.5	-151.0	3491.3		BS	-519	-1014	
	1150				+4.2	82 10'	-155.3	-151.1			BS	+3	+2	
86	982		45° 21'	+15.5°	7.6	82° -	+135.3	+127.7		3619.0		+478	+858	422,737 1,893,359
87	827		42° 45'	"	6.8	83°	+100.0	+99.2		3590.5		+435	+703	422,694 1,893,204
88	660		" "	"	7.0	83° 40'	+72.4	+65.4		3556.7		+347	+561	422,606 1,893,062
89	495		" "	"	6.1	85°	+43.0	+36.9		3528.2		+260	+421	422,519 1,892,922
90	330		42° 45'	"	10.7	85°	+28.7	+18.0		+3509.3		+174	+281	422,433 1,892,782
91	165		" "	"	6.0	87° 10'	+8.1	+2.1		3493.4		+87	+140	422,346 1,892,641
92	0				5.4	-		-5.4		3485.9	TP	0	0	422,259 1,892,501
92	92		160° 11' 32"	+15.5°	11.4	93°	-4.8	-16.2		3475.1	TP	-92	+7	422,167 1,892,508 Sta 306. Line #1 Elevation. 3463476.9
93	160		224° 14'	"	13.5	93° -	-8.4	-21.9		3469.4		-81	-138	422,178 1,892,363
94	330		226° 22'	"	11.8	94° -	-23.0	-34.8		3456.5		-156	-291	422,103 1,892,210
95	495		225° 31'	"	6.6	94° -	-34.4	-41.0		3450.3		-240	-433	422,019 1,892,068
96	660		226° 56'	"	6.5	93° 20'	-38.3	-44.8		3446.5		-306	-585	421,953 1,891,916
97	823		227° 45'	"	7.3	93° -	-43.0	-50.3		3441.0		-370	-735	421,889 1,891,766
98	989		227° 35' 54"	"	8.1	92° 40'	-46.0	-54.1		3437.2	TP	-447	-881	421,815 1,891,622
98	989				11.0	92° 30'	-43.1	-54.1			TP	+3	+2	
	661		39° 15' 06" +180°	+15.5°	+9.1	87°	-34.5	-25.4	3411.8		BS	-381	-539	
	661				+7.2	87° 10'	-32.6	-25.4			BS	+3	+2	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3-10-82		B. Cotamp		M. Knapp		6834		MPC Jm		6	7					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
CALIF.		Del. Sur. 7 1/2'	CALIF.	L.A.					L. DAVIS							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
									3411.8							
99	495		39° 15'	+15.5°	6.9	87° 36'	+21.6	+14.7		3426.5		+286	+404	421,723	1,891,489	
100	330		" "	"	5.0	87° 30'	+14.4	+9.4		3421.2		+190	+269	421,627	1,891,354	
101	165		" "	"	4.9	87° 30'	+7.2	+2.3		3414.1		+95	+135	421,532	1,891,220	
102	0				5.4	-		-5.4		3406.4	X	0	0	421,437	1,891,085	
103	165		207° 04'	+15.5°	8.9	91° 30'	-4.3	-13.2		3398.6		-122	-112	421,315	1,890,973	
104	330		204° 39'	"	10.2	91° 30'	-8.6	-18.8		3393.0		-252	-213	421,185	1,890,872	
105	495		203° 33'	"	10.0	91° 30'	-13.0	-23.0		3388.8		-384	-312	421,053	1,890,773	
106	660		202° 54'	"	8.3	91° 30'	-17.3	-25.6		3386.2		-517	-410	420,920	1,890,675	
107	825		202° 14'	+15.5°	9.1	91° 50'	-26.4	-35.5		3376.3		-652	-505	420,785	1,890,580	
108	988		202° 08' 51"	+15.2°	10.2	91° 50'	-31.6	-41.8		3370.0	TP	-785 ₊₃	-599 ₊₁	420,655	1,890,487	
108	988				13.1	91° 40'	-28.7	-41.8			TP					
	980		359° 22' 49" - 100	+15.2°	+7.6	89°	-17.1	-9.3	3360.7		BS	-948 ₊₃	-247 ₊₁			
	980				+4.9	89° 10'	-14.2	-9.3			BS					
109	820		356° 51'	+15.2°	6.0	89° 40'	+4.8	-1.2		3359.5		+802	+171	420,512	1,890,412	
110	660		355° 27'	"	7.8	-		-7.8		3352.9		+649	+122	420,359	1,890,363	
111	495		351° 56'	"	11.3	-		-11.3		3349.4		+491	+61	420,201	1,890,302	LAST STA. ON ROAD
112	330		351° "	"	11.9	-		-11.9		3348.8		+328	+37	420,038	1,890,278	
113	165		349° 43'	"	8.0	BH	-0.8	-8.8		3351.9		+164	+14	419,874	1,890,255	
114	0				5.4	-		-5.4		3355.3	X	0	0	419,710	1,890,241	BACK ON ROAD
115	165		195° 07'	+15.2°	6.5	88°	+5.8	-0.7		3360.0		-142	-83	419,568	1,890,158	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
3-10-82		B. Cotcamp		M. Knapp		6834		MPK JM		6	8						
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER									
CALIF.		Dep. Sur. 7 1/2'	CALIF.	L.A.				L. DAVIS									
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH +	EAST +	COORDINATES		REMARKS	
												SOUTH -	WEST -	Y	X		
									3360.7								
116	330		192° 44'	+15.2°	6.8	88° -	+11.5	+4.7		3365.4		-292	-155	419,418	1,890,086		
117	492		196° 29'	"	7.9	88° -	+17.2	+9.3		3370.0		-443	-213	419,267	1,890,028		
118	642		182° 59'	"	7.1	88° -	+22.4	+15.3		3376.0		-610	-200	419,100	1,890,041		
119	806		181° 52'	"	7.2	88° -	+28.1	+20.9		3381.6		-771	-237	418,939	1,890,004		
120	970		182° 21' 26"	"	7.1	88° -	+33.8	+26.7		3387.4	TP	-924 ₄₃	-292 ₄₁	418,789	1,889,950		
120	970				4.3	88° 10'	+31.0	+26.7			TP						
	657		19° 07' 21" +180°	+15.2°	+4.6	94° -	+45.7	+50.3	3437.7		BS	-541 ₄₁	-370 ₄₁				
	657				+10.3	93° 30'	+40.0	+50.3			BS						
121	493		22° 20'	+15.2°	9.7	93° 30'	-30.0	-39.7		3398.0		+391	+300	418,640	1,889,801		
122	330		21° 21'	"	6.7	94° 50'	-27.7	-34.4		3403.3		+265	+197	418,514	1,889,778		
123	165		" "	"	11.3	94° 50'	-13.9	-25.2		3412.5		+133	+98	418,382	1,889,679		
124	0				5.4	-		-5.4		3432.3	π	0	0	418,249	1,889,581		
125	165		202° 52'	+15.2°	4.5	88° -	+5.8	+1.3		3439.0		-130	-102	418,119	1,889,479		
126	330		201° 35'	"	1.2	86° 50'	+18.2	+17.0		3454.7		-264	-198	417,985	1,889,383		
127	495		" "	"	3.2	85° 40'	+37.3	+34.1		3471.8		-396	-296	417,853	1,889,285		
128	662		201° 45' 34"	"	9.3	84° 20'	+65.0	+55.7		3493.4	TP	-526 ₄₁	-396 ₄₁	417,724	1,889,186		
128	662				11.2	84° 10'	+66.9	+55.7			TP						
	330		21° 49' 21" +180°	+15.2°	+1.0	-		+1.0	3494.4		BS	-263 ₄₁	-199 ₄₁				
	330				+2.0	89° 50'	-1.0	+1.0			BS						
129	165		21° 49'	+15.2°	3.8	-		-3.8		3490.6		+132	+99	417,594	1,889,087		

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
3-10-82		B. COLEMAN		M. KOAPP		6834		MPK Jm		6	9						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
CALIFORNIA		DEL SUR 7 1/2'		CALIF.	L.A.					L. DAVIS							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH +	EAST +	COORDINATES		REMARKS	
												SOUTH -	WEST -	Y	X		
									3494.4								
130	0			+15.2°	5.4	-		-5.4		3489.0	T	0	0	417,462	1,888,988		
131	165		203° 49'	"	12.1	93° 20'	-9.6	-21.7		3472.7		-128	-104	417,334	1,888,884		
132	330		" "	"	13.0	94° -	-23.0	-36.0		3458.4		-256	-208	417,206	1,888,780		
133	494		203° 48' 49"	"	8.0	93° 20'	-28.7	-36.7			TP	-383 ₊	-310 ₊	417,080	1,888,679		
133	494				6.5	93° 30'	-30.1	-36.6		3457.8	TP						
	250		21° 14' 06" +180° +15.2°		+9.6	94° -	+17.4	+27.0	3484.8		BS	-201 ₊	-148 ₊				
	250				+8.8	94° 10'	+18.1	+26.9			BS						
134	85		22° 08'	+15.2°	9.6	94° 20'	-6.4	-16.0		3468.8		+68	+52	416,948	1,888,584		
T	0				5.4	-		-5.4		3479.4	T	0	0	416,880	1,888,532		
135	80		215° 35'	+15.2°	8.5	94° 30'	-6.3	-14.8		3470.0		-51	-62	416,829	1,888,470		
136	245		218° 22'	"	12.7	94° 30'	-19.2	-31.9		3452.9		-146	-197	416,734	1,888,335		
137	405		217° 57' 49"	"	5.3	90° 50'	-5.9	-11.2		3473.6	TP	-243 ₊	-324 ₊	416,638	1,888,209		
137	405				8.8	90° 20'	-2.4	-11.2			TP						
	581		38° 13' 06" +180° +15.2°		+9.9	96° -	+60.4	+70.3			BS	-344 ₊	-464 ₊				
	581				+13.3	95° 40'	+57.1	+70.4	3544.0		BS						
138	426		38° 07'	+15.2°	8.7	99° 30'	-69.3	-78.0		3466.0		+254	+342	416,549	1,888,088		
139	260		37° 19'	"	5.5	99° 30'	-42.3	-47.8		3496.2		+158	+206	416,453	1,887,952		
140	93		37° 42'	"	13.2	99° 20'	-14.9	-28.1		355.9		+56	+74	416,351	1,887,820		
T	0				5.4	-		-5.4		3538.6	T	0	0	416,295	1,887,746		

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-10-82		B. Cotnam		M. Knapp		6834		MPK DM		6		10			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIF.		Lake Del Sur - George Hughes		CALIF.		L. A.								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
									3544.0						
141	70		222° 26'	+15.2°	1.2	94° 20'	-5.3	-6.5		3537.5		-37	-59	416,258	1,887,687
142	235		220° 18'	"	9.2	92°	-8.2	-17.4		3526.6		-133	-194	416,162	1,887,552
143	400		219° 52'	"	14.2	93°	-20.9	-35.1		3508.9		-229	-328	416,066	1,887,418
144	559		219° 52' 26"	"	8.0	-		-8.0		3536.0	TP	-320	-458	415,976	1,887,289
144	559				5.2	BM	-2.8	-8.0			TP				
	493		40° 03' 35" +180	+15.2°	+11.4	91° 20'	+11.5	+22.9	3558.9		BS	-281	-405		
	493				+10.0	91° 30'	+12.9	+22.9			BS				
145	330		39° 49'	+15.2°	13.2	91° 30'	-8.6	-21.8		3537.1		+189	+270	415,884	1,887,155 Del Sur
146	165		" "	"	10.5	91° 30'	-4.3	-14.8		3544.1		+95	+135	415,790	1,887,020 Lake Hughes
147	0				5.4	-		-5.4		3553.5	X	0	0	415,695	1,886,885
148	165		220° 26'	+15.2°	3.0	85° 30'	+12.9	+9.9		3568.8		-93	-136	415,602	1,886,749 y-415,840 x-1,886,725
TP	218		297° 00' 12"	+15.2°	6.1	82° 10'	+29.4	+23.3		3582.2	TP	+145	-160	415,840	1,886,725 U.S.C.G.S. B.M. EL. 3584.0
TP	218				5.6	82° 20'	+28.8	+23.2			TP				Bench Horiz CORR. y +56 x +38
K			U.S.C.G.S. BENCH MARK - Bend						3584.0	3584.0	K1				U.S.C.G.S. BENCH EL. 3584.0
	802		23° 15' 24" +180	+15.4°	+13.8	94° 30'	+62.7	+76.5	3660.5		BS	-624	-479		
	802				+11.5	94° 40'	+65.0	+76.5			BS				
149	499		36° 53'	+15.4°	14.7	95° 34'	-48.2	-62.9		3597.6		+305	+395	415,519	1,886,622
150	499 330		35° 36'	" "	10.2	95° 20'	-30.5	-40.7		3619.8		+208	+256	415,422	1,886,483
151	165		29° 13'	" "	8.5	95° 10'	-14.8	-23.3		3637.2		+117	+116	415,331	1,886,343
152	0			" "	9.2	-		-5.2		3655.3	X	0	0	415,214	1,886,227

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-15-82		B. COCCAMP		M. KNAPP		6834		MPK Jm		6		11			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIF.		LAKE HUGHES 7 1/2		CALIF.		L.A.								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
									3660.5						
153	165		232° 22'	+15.4°	8.0	84° 40'	+15.3	+7.3		3667.8		-62	-153	415,152	1,886,074
154	330		226° 07'	" "	8.6	84° 40'	+30.5	+21.9		3682.4		-157	-290	415,057	1,885,937
155	495		224° 30'	" "	11.9	84° 40'	+45.8	+33.9		3694.4		-248	-428	414,966	1,885,799
#	670		224° 36' 29"	" "	12.3	85° 40'	+50.5	+38.2		3698.7	TP	-334 ₂	-579	414,878	1,885,649
	815		43° 21' 29" +180°	+15.4°	+9.2	84° 30'	-77.8	-68.6	3630.1		BS	-421 ₂	-694 ₁		
	2815			" "	+6.8	84° 40'	-75.4	-68.6			BS				
156	825		43° 01'	" "	12.1	84° 20'	+81.1	+69.0		3699.1		+432	+703	414,887	1,885,659
157	660		42° 13'	" "	4.2	84° 30'	+63.0	+58.8		3688.9		+353	+557	414,808	1,885,513
158	495		42° 17'	+15.4°	7.2	84° 10'	+50.0	+42.8		3672.9		+265	+418	414,720	1,885,374
159	330		43° 02'	" "	6.2	84° 10'	+33.4	+27.2		3657.3		+173	+281	414,628	1,885,237
160	165		" "	" "	4.9	84° 10'	+16.7	+11.8		3641.9		+86	+141	414,541	1,885,097
161	0				5.3	-		-5.3		3624.8	T	0	0	414,455	1,884,956
162	165		225° 01'	+15.4°	6.8	95° 20'	-15.3	-22.1		3608.0		-81	-143	414,374	1,884,813
163	330		" "	" "	8.8	95° 20'	-30.5	-39.3		3590.8		-163	-287	414,292	1,884,669
164	495		222° 22'	" "	11.0	95° 20'	-45.8	-56.8		3573.3		-264	-419	414,191	1,884,537
165	660		219° 41'	" "	12.4	95° 20'	-61.1	-73.5		3556.6		-378	-541	414,077	1,884,415
166	825		219° 13'	" "	6.4	95° 50'	-83.4	-89.8		3540.3		-478	-673	413,977	1,884,283
167	987		218° 30' 34"	+15.4°	4.7	95° 50'	-99.8	-104.5			TP	-578 ₂	-793 ₁	413,875	1,884,164
167	987				7.6	95° 40'	-97.0	-104.6		3525.5	TP				

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
3-15-82		B. COTCAMP		M. KNAPP		6834		MPK JM		6		12		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
CALIFORNIA		LAKE HUGHES 7 1/2		CALIF.		L.A.						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.	
										3525.5				
	1155		44° 29' 38" +180	+15.4°	+10.7	84° 20'	-113.5	-102.8	3422.7		BS	-577 ₋₂	-994 ₊₁	
	1155			" "	+3.6	84° 40'	-106.9	-102.7			BS			
168	990		43° 59'	" "	6.9	84° 30'	+94.4	+87.5		3510.2		+504	+852	413,800 1,884,023
169	825		43° 19'	" "	7.0	84° 30'	+78.7	+71.7		3494.4		+428	+705	413,724 1,883,876
170	660		42° 14'	+15.4°	7.2	84° 30'	+63.0	+55.8		3478.5		+353	+557	413,649 1,883,728
171	495		40° 41'	" "	5.8	84° 30'	+47.2	+41.4		3464.1		+276	+411	413,572 1,883,582
172	330		39° 08'	" "	5.2	84° 30'	+31.5	+26.3		3449.0		+191	+269	413,487 1,883,440
173	165		" "	" "	6.2	84° 30'	+15.7	+9.5		3432.2		+96	+134	413,392 1,883,305
174	0				5.4	-	-	-5.4		3417.3	TP	0	0	413,296 1,883,171
175	165		213° 53'	+15.4°	5.8	93° 30'	-10.1	-15.9		3406.8		-108	-125	413,188 1,883,046
176	330		" "	" "	4.1	93° 30'	-20.1	-24.2		3398.5		-215	-250	413,081 1,882,921
177	495		" "	" "	6.5	93° 30'	-30.2	-36.7		3386.0		-323	-375	412,973 1,882,796
178	660		" "	" "	12.8	93° 30'	-40.2	-53.0		3369.7		-431	-500	412,865 1,882,671
179	825		" "	+15.4°	12.1	94° -	-57.4	-69.5		3353.2		-538	-625	412,758 1,882,546
180	990		214° 11'	" "	11.1	94° -	-68.9	-80.0		3342.7		-642	-754	412,654 1,882,417
181	1150		214° 22' 08" +180	" "	11.2	94° -	-80.0	-91.2		3331.5	TP	-741 ₋₂	-876 ₊₁	412,553 1,882,296
181	1150			" "	14.3	93° 50'	-76.7	-91.0			TP			
	660		39° 42' 08" +180	+15.4°	+7.6	86° -	-45.9	-38.3	3293.2		BS	-377 ₋₂	-540 ₊₁	
	660			" "	+3.9	86° 20'	-42.1	-38.2			BS			

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-15-82		B. COCCAMP		M. KWAPP		6834		MPK dm		6		13			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIF.		LAKE HUGHES 7 1/2		CALIF.		L.A.								L. DAUS	
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
									3293.2						
182	495		39° 59'	+15.4°	7.3	86° -	+34.4	+21.1		3320.3		+281	+407	412,455	1,882,164
183	330		" "	" "	4.9	86° -	+23.0	+18.1		3311.3		+187	+272	412,361	1,882,029
184	165		" "	" "	4.1	86° -	+11.5	+7.4		3300.6		+94	+136	412,268	1,881,893
185	0				5.4	-		-5.4		3287.8	π	0	0	412,174	1,881,757
186	165		227° 23'	+15.4°	7.0	94°	-11.5	-18.5		3274.7		-75	-147	412,099	1,881,610
187	330		" "	" "	10.0	94° -	-23.0	-33.0		3260.2		-151	-293	412,023	1,881,464
188	495		224° 03'	" "	12.2	94° -	-34.4	-46.6		3246.6		-252	-426	411,922	1,881,331
189	660		223° 09' 36"	" "	12.8	94° -	-45.9	-58.7		3234.5	TP	-343	-562	411,829	1,881,196
189	660				10.9	94° 10'	-47.8	-58.7			TP				
	825		51° 09' 24" +180	+15.4°	+3.9	86° 30'	-50.3	-46.4	3188.1		BS	-328	-755		
	825				+1.5	86° 46'	-47.9	-46.4			BS				
190	660		30° 46'	+15.4°	7.9	86° 20'	+42.1	+34.2		3222.3		+267	+604	411,766	1,881,046
191	495		50° 23'	" "	8.2	86° 20'	+31.6	+23.4		3211.5		+203	+451	411,702	1,880,893
192	330		50° 46'	" "	7.8	86° 20'	+21.1	+13.3		3201.4		+133	+302	411,632	1,880,744
193	165		" "	" "	6.8	86° 20'	+10.5	+3.7		3191.8		+67	+151	411,566	1,880,593
194	0				5.4	-		-5.4		3182.7	π	0	0	411,499	1,880,442
195	165		232° 11'	+15.4°	6.2	93° -	-8.6	-14.8		3173.3		-63	-153	411,436	1,880,289
196	330		" "	" "	8.4	93° -	-17.2	-25.6		3162.5		-126	-305	411,373	1,880,137
197	495		" "	" "	7.3	93° -	-25.9	-33.2		3154.9		-189	-458	411,310	1,879,984
198	660		" "	" "	4.2	93° -	-34.5	-38.7		3149.4		-252	-610	411,247	1,879,832

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
3-15-82		B. COFCAMP		M. KNAPP		6834		MKC JM		6		14				
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER				
CALIF.		LAKE HUGHES 1/2		CALIF.		L.A.						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
									3188.1							
199	828		231° 53' 30"	+15.4°	2.7	93° -	-43.3	-46.0		3142.1	TP	-319 ₂	-763 ₁₁	411,178	1,879,680	ACROSS ST.
199	828			" "	5.1	92° 50'	-40.9	-46.0			TP					
	990		61° 48' 06" +180	" "	+4.0	86° 40'	-57.5	-53.5	3088.6		BS	-219 ₂	-964 ₁₁			
	990			" "	+6.9	86° 30'	-60.3	-53.4			BS					
200	825		60° 00'	+15.4°	6.0	86° 20'	+52.7	+46.7		3135.3		+208	+798	411,165	1,879,515	
201	660		" "	" "	6.0	86° 20'	+42.1	+36.1		3124.7		+166	+639	411,125	1,879,356	
202	495		59° 12'	" "	6.7	86° 20'	+31.6	+24.9		3113.5		+131	+477	411,088	1,879,194	
203	330		58° 19'	" "	7.9	86° 20'	+21.1	+13.2		3101.8		+93	+317	411,050	1,879,034	
204	165		53° 41'	" "	6.8	86° 20'	+10.5	+3.7		3092.3		+59	+154	411,016	1,878,871	
205	0				5.4	-		-5.4		3083.2	TP	0	0	410,957	1,878,717	
206	165		223° 36'	+15.4°	9.1	91° 40'	-4.8	-13.9		3074.7		-85	-141	410,872	1,878,576	
207	330		223° 36'	" "	9.0	91° 40'	-9.6	-18.6		3070.0		-170	-283	410,787	1,878,434	
208	495		" "	" "	6.0	91° 40'	-14.4	-20.4		3068.2		-255	-424	410,702	1,878,293	
209	660		" "	" "	8.5	91° 40'	-19.2	-27.7		3060.9		-340	-566	410,617	1,878,151	
210	825		" "	+15.4°	12.6	91° 40'	-24.0	-36.6		3052.0		-425	-707	410,532	1,878,010	
211	986		223° 36' 08"	" "	9.1	92° 10'	-37.3	-46.4		3042.2	TP	-507 ₂	-845 ₁₁	410,448	1,877,873	
211	986		" "	" "	12.0	92° -	-34.4	-46.4			TP					
	990		43° 22' 35" +180	" "	+4.5	87° 30'	-43.1	-38.6			BS	-513 ₂	-846 ₁₁			
	990		" "	" "	+1.6	87° 40'	-40.3	-38.7	3003.5		BS					
212	825		43° 11'	+15.4°	7.5	87° 30'	+36.0	+28.5		3032.0		+430	+704	410,363	1,877,732	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3-15-82		B. COTCAMP		M. KNAAP		6834		MPK JM		6	15					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
CALIFORNIA		GREEN VALLEY LAKE HUGHES - 7 1/2'		CALIF.	L. A.					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	
									3003.5							
213	660		43° 11'	+15.4°	11.2	87° 30'	+28.8	+17.6		3021.1		+344	+563	410,277	1,877,591	
214	495		" "	" "	9.0	88° 16'	+15.8	+6.8		3010.3		+258	+422	410,191	1,877,450	
215	330		" "	" "	11.2	88° 10'	+10.6	-0.6		3002.9		+172	+282	410,105	1,877,310	
216	165		" "	" "	7.2	88° 10'	+5.3	-1.9		3001.6		+86	+141	410,019	1,877,169	
217	98		41° 01' 14"	" "	5.4	88° -	+3.4	-2.0		3001.5	TP	+54	+82	409,987	1,877,110	y-409,970 x-1,877,119 STA. 378 EL. 2999.8
217	0				5.4	-		-5.4		2998.1	TP	0	0	409,983	1,877,028	LINE #1
218	165		213° 41'	+15.4°	8.0	92° -	-5.8	-13.8		2989.7		-108	-125	409,825	1,876,903	↑
219	330		" "	" "	13.1	92° -	-11.5	-24.6		2978.9		-216	-249	409,717	1,876,779	LAKE HUGHES
220	495		" "	" "	9.9	93° -	-25.9	-35.8		2967.7		-324	-374	409,609	1,876,654	GREEN VALLEY
221	660		" "	" "	9.5	93° -	-34.5	-44.0		2959.5		-432	-499	409,501	1,876,529	↓
222	825		213° 59'	" "	6.0	93° -	-43.1	-49.1		2954.4		-537	-626	409,396	1,876,402	
223	990		213° 25' 50"	+15.0°	7.0	92° 30'	-43.1	-50.1			TP	-656	-740	409,276	1,876,289	
223	990				9.9	92° 34'	-44.3	-50.2		2953.3	TP					
	983		27° 44' 41" +180°	+15.0°	+14.0	87° 46'	-38.3	-24.3	2929.0		BS	-721	-667			
	983				+14.6	87° 44'	-38.8	-24.2			BS					
224	825		27° 22'	+15.0°	12.1	87° 30'	+36.0	+23.9		2952.9		+610	+556	409,164	1,876,179	
225	660		27° 17'	" "	7.9	87° 30'	+28.8	+20.9		2949.9		+488	+444	409,042	1,876,067	
226	495		" "	" "	6.2	87° 10'	+24.4	+18.2		2947.2		+366	+333	408,920	1,875,956	
227	330		" "	" "	5.0	87° 10'	+16.3	+11.3		2940.3		+244	+222	408,798	1,875,845	
228	165		" "	+15.0°	5.1	87° 10'	+8.1	+3.0		2932.0		+122	+111	408,676	1,875,734	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
3-15-82		B. COTCAMP		M. KWAPP		6834		MPK Jm		6		16		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
CALIFORNIA		GREEN VALLEY 7 1/2		CALIF.		L.A.						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.	
									2929.0					
116	76		41° 29' 18"	+15.0	5.3	87° 10'	+3.8	-1.5		2927.5	116			
229	0				5.4	-		-5.4		2923.6	X	0	0	408,554 1,875,623
230	165		212° 39'	+15.0	6.0	92° -	-5.8	-11.8		2917.2		-111	-122	408,443 1,875,501
231	330		" "	" "	6.0	92° -	-11.5	-17.5		2911.5		-222	-244	408,332 1,875,379
232	495		" "	" "	5.6	92° -	-17.3	-22.9		2906.1		-333	-366	408,221 1,875,257
233	661		212° 24' 00"	" "	3.3	92° -	-23.1	-26.4		2902.6	TP	-447	-486	408,106 1,875,138
233	661				1.4	92° 10'	-25.0	-26.4			TP			
	659		43° 10' 39" +110	+15.0	+14.3	88° 50'	-13.4	+0.9	2903.5		BS	-347	-560	
	659				+14.7	88° 48'	-13.8	+0.9			BS			
234	495		41° 00'	+15.0	8.3	89° 10'	+7.2	-0.9		2902.6		+277	+410	408,035 1,874,989
235	330		40° 21'	" "	7.0	88° 20'	+9.6	+2.6		2906.1		+188	+271	407,946 1,874,850
236	165		" "	" "	3.1	88° 20'	+4.8	+1.7		2905.2		+94	+136	407,852 1,874,715
237	0				5.4	-		-5.4		2898.1	X	0	0	407,758 1,874,579
238	165		219° 14'	+15.0	7.2	93° 40'	-10.5	-17.7		2885.8		-96	-134	407,662 1,874,445
239	265		217° 07' 44"	" "	8.7	93° 40'	-16.9	+25.6		2877.9	116			
240	330		219° 14'	" "	9.8	93° 40'	-21.1	-30.9		2872.6		-193	-268	407,565 1,874,311
240	495		" "	" "	10.9	93° 40'	-31.6	-42.5		2861.0		-289	-402	407,469 1,874,177
241	660		" "	+15.0	10.1	93° 40'	-42.1	-52.2		2851.3		-386	-536	407,372 1,874,043
242	821		217° 21' 10"	+14.6	5.5	93° 50'	-54.8	-60.3		2843.2	TP	-505	-645	407,252 1,873,935 ACROSS STA.
242	821				3.1	94° -	-57.1	-60.2			TP			

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3-15-82		B. COLCAMP		M. KWAPP		6834		MPK JM		6	17					
AREA		TOPO MAP		STATE		COUNTY		TWP		PARTY MANAGER						
CALIF.		GREEN VALLEY 1/2		CALIF.		L.A.				L. DAVIS						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
												LAT.	DEP.			
										2843.2						
	495		29° 56' 56"	+150	+14.6	+7.6	86° 30'	-30.2	-22.6		BS	-352	-347			
	495					+6.0	86° 40'	-28.7	-22.7	2820.5	BS					
243	330		25° 15'		+14.6	7.3	86° 20'	+21.1	+13.8			+253	+211	407,152	1,873,800	
244	165		" "	" "	" "	5.9	86° 20'	+10.5	+4.6			+127	+106	407,026	1,873,695	
245	0					5.4	-		-5.4		TP	0	0	406,899	1,873,589	
246	165		227° 33'		+14.6	7.2	92° -	-5.8	-13.0			-77	-146	406,872	1,873,443	
247	330		" "	" "	" "	13.1	92° -	-11.5	-24.6			-154	-292	406,745	1,873,297	
248	495		228° 04'		" "	11.7	93° -	-25.9	-37.6			-227	-440	406,872	1,873,149	
249	658		227° 07' 17"		" "	9.0	93° 40'	-42.0	-51.0		TP	-311	-578	406,587	1,873,012	
249	658					7.1	93° 50'	-43.9	-51.0		TP					
	663		51° 09' 38"	+180	+14.6	+12.8	86° 30'	-40.4	-27.6		BS	-272	-603			
	663					+6.8	86° 40'	-38.5	-27.7	2741.8	BS					
250	495		51° 54'		+14.6	8.8	87° 10'	+24.4	+15.6			+197	+454	406,511	1,872,824	
251	330		51° 28'		" "	10.6	87° 10'	+16.3	+5.7			+134	+302	406,448	1,872,712	
252	165		49° 42'		" "	8.9	87° 10'	+8.1	-0.8			+72	+149	406,386	1,872,559	
253	0					5.4	-		-5.4		TP	0	0	406,314	1,872,410	
254	162		211° 13'		+14.6	5.9	91° 40'	-4.7	-10.6			-113	-116	406,201	1,872,294	
255	328		207° 36'		" "	11.1	91° 40'	-9.5	-20.6			-243	-220	406,071	1,872,190	
256	495		207° 58' 51"		+14.2	6.5	93° -	-25.9	-32.4		TP	-366	-352	405,947	1,872,079	
256	495					8.0	92° 50'	-24.4	-32.4		TP					

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3-15-82		B. COTCAMP		M. KWAPP		6834		MPK JM		6	18					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
CALIF.		GREEN VALLEY 1/2	CALIF.	L.A.					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
	499		51° 04' 07" +180	+14.2	+8.4	86° -	-34.7	-26.3	2683.1	2709.4	BS	-208.1	-452.1			
	499		" " "	" "	+7.0	86° 10'	-33.3	-26.3			BS					
257	330		50° 04'	" "	7.8	86° -	+23.0	+15.2		2698.3		+143	+297	405,801	1871,925	
258	165		" "	" "	6.7	86° -	+11.5	+4.8		2687.9		+72	+149	405,810	1871,777	
259	0				5.4	-		-5.4		2677.7	TP	0	0	405,738	1871,628	
260	165		226° 42'	+14.2	5.9	93° -	-8.6	-14.5		2668.6		-80	-144	405,658	1871,484	
261	335		222° 20' 04"	+13.9	2.5	93° -	-17.5	-20.0			TP	-186.1	-278.1	405,551	1871,351	ACROSS STA.
261	335				+4.5	92° 40'	-15.6	-20.1		2663.0	TP					
	340		82° 21' 55" +180	+13.9	+4.1	88° -	-11.9	-7.8	2655.2		BS	+37.1	-338.1			
	346				+3.1	88° 10'	-10.9	-7.8			BS					
262	165		82° 22'	+13.9	6.3	87° 40'	+6.7	+0.4		2655.6		-18	+164	405,569	1871,178	
263	0		" "	" "	5.4	-		-5.4		2649.8	TP	0	0	405,587	1871,014	
264	165		272° 22'	" "	6.6	91° 20'	-3.8	-10.4		2644.8		+46	-158	405,633	1870,856	
265	330		270° 29'	" "	6.1	91° 20'	-7.7	-13.8		2641.4		+82	-320	405,669	1870,694	
266	490		264° 37' 58"	" "	4.5	91° 20'	-11.4	-15.9		2639.3	TP	+73.1	-484.1	405,659	1870,531	
266	490			+13.9	5.9	91° 10'	-10.0	-15.9			TP					
	490		68° 45' 06" +180	+13.6	+4.0	-		+4.0	2643.3		BS	-65.1	-486.1			
	490		" "	" "	+1.5	BH	+2.5	+4.0			BS					
267	330		64° 29'	+13.6	6.0	89° 40'	+1.9	-4.1		2639.2		+68	+323	405,661	1870,369	
268	165		57° 46'	" "	5.1	89° 40'	+1.0	-4.1		2639.2		+53	+156	405,646	1870,202	

SURVEY NOTES-HIGH RESOLUTION DATA
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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
3-15-82		B. COTCAMP		M. KWAPP		6834		MPK JM		6	19						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
CALIF.		GREEN VALLEY 1/2	CALIF.	L.A.					L. DAVIS								
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH +	EAST +	COORDINATES		REMARKS	
												SOUTH -	WEST -	Y	X		
									2643.3								
269	0				5.4	-		-5.4		2637.9	T	0	0	405,593	1,870,046		
270	165		232° 24'	+13.6	9.0	89° 40'	+1.0	-8.0		2635.3		-67	-151	405,526	1,869,895		
271	330		230° 14'	" "	4.8	89° 40'	+1.9	-2.9		2640.4		-146	-296	405,447	1,869,750		
272	495		227° 49'	" "	9.0	89° 40'	+2.9	-6.1		2637.2		-237	-435	405,356	1,869,611		
273	660		226° 13' 12"	" "	10.3	89° 40'	+3.8	-6.5		2636.8	TP	-332	-571	405,260	1,869,475		
273	660				8.4	89° 50'	+1.9	-6.5			TP						
	496		47° 53' 44" +180	+13.6	+10.2	86° 30'	-30.2	-20.0	2616.8		BS	-236	-435				
	496			" "	+11.8	86° 20'	-31.7	-19.9			BS						
274	330		49° 59'	" "	7.6	85° 40'	+24.9	+17.3		2634.1		+147	+296	405,170	1,869,336		
275	165		" "	" "	5.6	85° 40'	+12.4	+6.8		2623.6		+73	+148	405,096	1,869,188		
276	0				5.4	-		-5.4		2611.4	T	0	0	405,023	1,869,040		
277	165		235° 20'	+13.6	6.7	93° 30'	-10.1	-16.8		2600.0		-59	-154	404,964	1,868,886		
278	330		" "	" "	6.9	93° 30'	-20.1	-27.0		2589.8		-119	-308	404,904	1,868,732		
279	493		232° 57'	" "	5.8	93° 20'	-28.6	-34.4		2582.4		-196	-452	404,827	1,868,588		
280	654		226° 35' 15"	" "	5.4	93° -	-34.2	-39.6		2577.2	TP	-325	-567	404,697	1,868,473		
280	654			" "	7.3	92° 50'	-32.3	-39.6			TP						
	255		27° 09' 38" +180	+13.6	+5.6	-		+5.6			BS	-193	-166				
	255			" "	+6.8	TH	-1.3	+5.5	2582.7		BS						
T	0			" "	5.4	-		-5.4		2577.3	T	0	0	404,503	1,868,307		

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
3-15-82		B. COLEMAN		M. KNAPP		6834		MPK Jm		6		20				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
CALIFORNIA		GREEN VALLEY 7 1/2		CALIF.		L.A.								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	X
										2582.7					y-404,255	
TP	346		210° 50' 10"	+13.6	1.2	86° 10'	+23.1	+21.9		2604.6	TP	-247	-242	404,255	1,868,065	U.S.G.S V-1,868,065
TP	346				2.2	86°	+24.1	+21.9			TP					BENCHMARK. BL. 2604.1 y-404,255 HORN Y-45 x-1,868,065 CORR. 27
R1			U.S.G.S BENCH MARK ELEVATION							2604.0	R1					U.S.G.S BM.
	289	287.4	198° 09' 49"	+14.0	1.5	84°	-30.0	-24.5			OS	+243	+153			
	289				4.6	84° 10'	-29.2	-24.6	2579.4		BS					
281	165		42° 58'	+14.0	7.5	89° 30'	+1.4	-6.1		2573.3		+90	+138	404,589	1,868,357	
282	0				5.4	-		-5.4		2574.0	T	0	0	404,499	1,868,219	
283	165		224° 14'	+14.0	8.1	87° 20'	+7.7	-0.4		2579.0		-61	-153	404,438	1,868,066	
284	330		235° 34'	"	4.4	87° 20'	+15.3	+6.9		2586.3		-115	-309	464,384	1,867,910	
285	499	498.4	236° 10' 03"	"	6.1	87° 20'	+23.2	+17.1		2596.5	TP	-169	-469	404,331	1,867,751	
285	499				4.6	87° 30'	+21.7	+17.1			TP					
	823	822.2	50° 45' 08"	+14.0	6.0	92° 30'	+35.9	+41.9			BS	-351	-744			
	823				3.6	92° 40'	+38.2	+41.8	2638.3		BS					
286	660		47° 58'	+14.0	7.6	92° 10'	-24.9	-32.5		2605.8		+310	+583	404,291	1,867,591	
287	495		47° 38'	"	5.9	92° 10'	-18.7	-24.6		2613.7		+235	+436	404,216	1,867,444	
288	330		"	"	5.9	92° 10'	-12.5	-18.4		2619.9		+157	+290	404,138	1,867,298	
289	165		"	"	5.8	92° 10'	-6.2	-12.0		2626.3		+78	+145	404,059	1,867,153	
290	0				5.4	-		-5.4		2632.9	T	0	0	403,981	1,867,008	
291	165		227° 40'	+14.0	7.7	87°	+8.6	+0.9		2639.2		-78	-145	403,903	1,866,863	
292	330		"	"	10.1	87°	+17.2	+7.1		2645.4		-157	-290	403,824	1,866,718	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
3-18-82		B. COCAMP		M. KNAPP		1834		MAX Jm		6	21				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
CALIFORNIA		GREEN VALLEY 7 1/2		CALIF.		L.A.					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
									2638.3						
293	495		227° 40'	+14.0	7.9	87° 50'	+18.7	+10.8		2649.1		-235	-436	403,746	1,866,572
294	660		223° 34'	" "	12.5	87° 50'	+24.9	+12.4		2650.7		-354	-557	403,627	1,866,451
295	821		220° 31' 59"	" "	9.8	88° 30'	+21.5	+11.7		2650.0	TP	-475 ₊₁	-669 ₊₁	403,507	1,866,340
295	821				12.1	88° 20'	+23.9	+11.8			TP				
	821	819.9	13° 50' 13" +180°	+14.0	+14.0	87° -	-42.9	-28.9	2621.1		BS	-725 ₊₁	-383 ₊₁		
	821				+11.6	87° 10'	-40.5	-28.9			BS				
296	660		10° 43'	+14.0	6.7	87° 10'	+32.6	+25.9		2647.0		+600	+276	403,383	1,866,234
297	495		8° 07'	" "	3.9	87° 10'	+24.4	+20.5		2641.6		+459	+186	403,242	1,866,144
298	330		6° 16'	" "	7.1	86° 30'	+20.1	+13.0		2634.1		+310	+114	403,093	1,866,072
299	165		" "	" "	6.2	86° 30'	+10.1	+3.9		2625.0		+155	+57	402,938	1,866,015
300	0				5.4	-		-5.4		2615.7	X	0	0	402,783	1,865,958
301	165		185° 40'	+14.0	5.7	93° -	-8.6	-14.3		2606.8		-155	-56	402,628	1,865,902
302	330		" "	" "	6.0	93° -	-17.2	-23.2		2597.9		-311	-111	402,472	1,865,847
303	495		" "	" "	6.2	93° -	-25.9	-32.1		2589.0		-466	-167	402,317	1,865,791
304	660		" "	" "	6.9	93° -	-34.5	-41.4		2579.7		-622	-222	402,161	1,865,736
305	825	823.9	185° 09' 44"	+14.0	7.5	93° -	-43.1	-50.6		2570.5	TP	-778 ₊₁	-270 ₊₁	402,006	1,865,689
305	825		" "	" "	5.1	93° 10'	-45.5	-50.6			TP				
	991		05° 01' 09" +180°	+14.0	+11.4	88° -	-34.6	-23.2	2547.3		BS	-936 ₊₁	-323 ₊₁		
	991		" "	" "	+8.6	88° 10'	-31.7	-23.1			BS				
306	825		3° 50'	" "	4.9	88° 40'	+19.2	+14.3		2561.6		+785	+253	401,856	1,865,620

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3-18-82		B. COLCAMP		M. KWAPP		6834		MPC Jm		6	22					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
CALIFORNIA		GREEN VALLEY 1/2	CALIF.	L.A.					L. DAVIS							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
									2547.3							
307	660		3° 50'	+14.0	7.8	88° 40'	+15.4	+7.6		2554.9		+628	+202	401,699	1,865,569	
308	495		3° 45'	" "	8.0	88° 40'	+11.5	+3.5		2550.8		+471	+151	401,542	1,865,518	
309	330		2° 12'	" "	6.7	88° 40'	+7.7	+1.0		2548.3		+317	+92	401,388	1,865,459	
310	165		00° 41"	" "	5.0	88° 40'	+3.8	-1.2		2546.1		+160	+42	401,231	1,865,409	
311	0				5.4	-	-	-5.4		2541.9	TP	0	0	401,071	1,865,367	
312	465		178° 27'	+14.0	5.8	91° 50'	-5.3	-11.1		2536.2		-161	-36	400,910	1,865,331	
313	330		177° 29'	" "	9.1	91° 50'	-10.6	-19.7		2527.6		-323	-66	400,748	1,865,301	
314	465		176° 46'	" "	5.8	92° 50'	-24.4	-30.2		2517.1		-486	-92	400,585	1,865,275	
315	660		176° 10'	" "	9.1	92° 50'	-32.6	-41.7		2505.6		-650	-117	400,421	1,865,250	
316	825		175° 00'	+14.0	10.7	92° 50'	-40.7	-51.4		2495.9		-815	-129	400,256	1,865,238	
317	984	982.8	171° 18' 23"	" "	9.4	92° 50'	-48.6	-58.0		2489.3	TP	-979 ₊	-91 ₊	400,093	1,865,277	ACROSS STR.
317	984				6.6	93° -	-51.4	-58.0			TP					
	495		348° 12' 40" - 180°	+14.0	+5.8	-	-	+5.8			BS	-495 ₊	-19 ₊			
	495				+8.2	TH	-2.5	+5.7	2495.0		BS					
318	330		345° 13'	+14.0	8.0	-	-	-8.0		2487.0		+330	-5	399,929	1,865,254	AROUND CORN.
319	165		" "	" "	7.1	-	-	-7.1		2487.9		+165	-2	399,764	1,865,257	
320	0				5.4	-	-	-5.4		2489.6	TP	0	0	399,599	1,865,259	
321	165		187° 11'	+14.0	6.8	87° 50'	+6.2	-0.6		2494.4		-154	-60	399,445	1,865,199	
322	330		" "	" "	10.0	87° 50'	+12.5	+2.5		2497.5		-308	-119	399,291	1,865,140	
323	495		" "	" "	7.0	88° 50'	+10.1	+3.1		2498.1		-462	-179	399,137	1,865,080	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
3-19-82		B. COCAMP		M. KNAPP		6834		MPH dm		6	23				
AREA		TOPO. MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
CALIFORNIA		GREEN VALLEY	CAUF.	L.A.					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
									2495.0						
324	660		187° 10' 30"	+14.0	12.8	88° 50'	+13.4	+0.6	2495.6	TP	-615 ₊	-238 ₊	398,985	1,865,022	
324	660				10.9	89° -	+11.5	+0.6							TP
	491		07° 09' 17" +180	+14.0	+6.2	87° -	-25.7	-19.5	2476.1	BS	-457	-177 ₊			
	491				+4.7	87° 10'	-24.2	-19.5							BS
325	330		7° 09'	+14.0	6.9	86° 10'	+22.0	+15.1	2491.2		+308	+119	398,836	1,864,965	
326	165		" "	" "	4.0	86° 10'	+11.0	+7.0	2483.1		+154	+60	398,682	1,864,906	
327	0				5.4	-		-5.4	2470.7	TP	0	0	398,528	1,864,846	
328	165		207° 32'	+14.0	6.0	93° 40'	-10.5	-16.5	2459.6		-124	-109	398,404	1,864,737	AROUND COR.
329	332	331.3	209° 46' 36"	" "	5.4	93° 40'	-21.2	-26.6	2449.5	TP	-239	-229 ₊	398,289	1,864,618	ACROSS STR.
329	332				4.4	93° 50'	-22.1	-26.5							
	501	499.8	68° 50' 19" +180	+14.0	+4.3	86° -	-34.9	-30.6	2418.9	BS	-62	-496 ₊			
	501				+2.8	86° 10'	-33.4	-30.6							BS
330	330		67° 14'	+14.0	6.0	86° -	+23.0	+17.0	2435.9		+50	+326	398,277	1,864,449	
331	165		" "	" "	5.9	86° -	+11.5	+5.6	2424.5		+25	+163	398,252	1,864,286	
332	0				5.4	-		-5.4	2413.5	TP	0	0	398,227	1,864,123	
333	165		234° 10'	+14.0	6.0	94° -	-11.5	-17.5	2401.4		-61	-153	398,166	1,863,970	
334	330		228° 03'	" "	7.0	94° -	-23.0	-30.0	2388.9		-155	-292	398,072	1,863,831	
335	495		226° 25'	" "	8.0	94° -	-34.4	-42.4	2376.5		-244	-430	397,983	1,863,693	
336	650	648.4	226° 45' 31"	+14.3	9.9	94° -	-45.2	-55.1	2363.8	TP	-314	-567	397,913	1,863,556	AROUND COR.
336	650				8.0	94° 10'	-47.1	-55.1							

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
3-19-82		B. COLEMAN		M. KNAPP		6834		MPK JM		6	24			
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
CALIFORNIA		GREEN VALLEY 7 1/2		CAUF.	L.A.					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.	
										2363.8				
	654	653.1	90° 13' 09" +180	+14.3	+6.2	87° -	-34.2	-28.0	2335.8		BS	+164	-632	
	654				+4.3	87° 10'	-32.3	-28.0			BS			
337	495		96° 59'	+14.3	9.3	87° -	+25.9	+16.6		2352.4		-180	+461	397,897 1,863,385
338	330		" "	" "	9.0	87° -	+17.2	+8.2		2344.0		-120	+307	397,957 1,863,231
339	165		" "	" "	7.3	87° -	+8.6	+1.3		2337.1		-60	+154	398,017 1,863,078
340	0				5.4	-	-5.4			2330.4	TP	0	0	398,077 1,862,924
341	165		277° 29'	+14.3	7.1	91° -	-2.9	-10.0		2325.8		+61	-153	398,138 1,862,771
342	330		" "	" "	9.3	91° -	-5.8	-15.1		2320.7		+122	-306	398,199 1,862,618 AROUND CORNER
343	490		272° 14'	" "	8.2	91° 30'	-12.8	-21.0		2314.8		+139	-470	398,216 1,862,454 "
344	648		267° 00' 56"	" "	9.9	91° 30'	-17.0	-26.9		2308.9	TP	+127	-635	398,204 1,862,289
344	648				11.8	91° 20'	-15.1	-26.9			TP			
	483	482.3	32° 53' 28" +180	+14.3	+2.1	87° -	-25.2	-23.1	2285.8		BS	-328	-354	AROUND COR.
	483				+3.5	86° 50'	-26.6	-23.1			BS			"
345	330		22° 56'	+14.3	6.0	86° 40'	+19.2	+13.2		2299.0		+263	+200	398,139 1,862,135 "
346	165		12° 34'	" "	6.4	86° 40'	+9.6	+3.2		2289.0		+147	+75	398,023 1,862,010
347	0				5.4	-	-5.4			2280.4	TP	0	0	397,876 1,861,935
348	165		179° 48'	+14.3	6.2	93° 10'	-9.1	-15.3		2270.5		-160	-40	397,716 1,861,895
349	325		169° 43'	" "	6.9	93° 10'	-17.9	-24.8		2261.0		-324	-23	397,552 1,861,912
350	480	479.3	159° 06' 35"	" "	7.7	93° 10'	-26.5	-34.2		2251.0	TP	-476	+55	397,400 1,861,990
350	480				9.1	93° -	-25.1	-34.2			TP			

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DATE 3-19-82	INSTRUMENT MAN B. COTCAMP	ROD MAN M. KNAPP	PARTY NUMBER 6834	NOTES CHECKED BY MPL Jm	LINE NO. 6	PAGE 25
AREA CALIFORNIA	TOPO MAP GREEN VALLEY 7 1/2	STATE CALIF.	COUNTY L.A.	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.	
										2251.6				
	486		289° 06' 42" -180	+14.3	+4.7	87° 30'	-21.2	-16.5	2235.1		BS	-267	+405	
	486				+3.3	87° 40'	-19.8	-16.5			BS			
351	330		281° 29'	+14.3	5.3	87° 30'	+14.4	+9.1		2244.2		+144	-297	397,277 1,862,098
351	295		282° 35' 10"	" "	6.3	87° 30'	+12.9	+6.6		2241.7	TP	+133	-263	397,266 1,862,132
352	165		277° 11'	" "	6.9	87° 10'	+8.1	+1.2		2236.3		+60	-154	397,193 1,862,241
353	0				5.4	-		-5.4		2229.7	TP	0	0	397,133 1,862,345
354	165		96° 59'	+14.3	5.3	92° -	-5.8	-11.1		2224.0		-60	+154	397,073 1,862,549
355	330		" "	" "	6.1	92° -	-11.5	-17.6		2217.5		-120	+307	397,013 1,862,702
356	498		96° 22' 44"	" "	5.6	92° -	-17.4	-23.0		2212.1	TP	-176	+466	396,957 1,862,861
356	498				4.1	92° 10'	-18.8	-22.9			TP			ACROSS STATION
	505		306° 29' 41" -180	+14.3	+9.0	88° -	-17.6	-8.6	2203.5		BS	-391	+319	ACROSS
	505				+7.6	88° 10'	-16.2	-8.6			BS			
357	330		306° 31'	+14.3	7.7	88° 10'	+10.6	+2.9		2206.4		+256	-209	396,822 1,862,971
358	165		303° 12'	" "	7.7	88° 10'	+5.3	-2.4		2201.1		+122	-111	396,688 1,863,069
359	0				5.4	-		-5.4		2198.1	TP	0	0	396,566 1,863,180
360	165		157° 21'	+14.3	7.0	91° 30'	-4.3	-11.3		2192.2		-163	+24	396,403 1,863,204
361	330		" "	" "	8.0	91° 30'	-8.6	-16.6		2186.9		-327	+48	396,239 1,863,228
362	503		157° 53' 01"	" "	7.6	91° 30'	-13.2	-20.8		2182.7	TP	-498	+68	396,068 1,863,248
362	503				6.2	91° 40'	-14.6	-20.8			TP			ACROSS STA.

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
3-19-82		B. COLEMAN		M. KNAPP		6834		MDK Jm		6		24		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
CALIFORNIA		GREEN VALLEY 7 1/2		CALIF.		L.A.						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.	
	828		359° 08' 17" 180	+14.3	+2.7	89° -	-14.4	-11.7	2171.0	2182.7	BS	-805	-192	
	828				+0.3	89° 10'	-12.0	-11.7			BS			
363	660		356° 33'	+14.3	8.2	88° 50'	+13.4	+5.2		2176.2		+648	+124	395,911 1,863,180
364	495		355° 48'	" "	7.9	88° 50'	+10.1	+2.2		2173.2		+487	+87	395,750 1,863,143
365	330		355° 39'	" "	6.4	88° 50'	+6.7	+0.3		2171.3		+325	+57	395,588 1,863,113
366	165		" "	" "	5.3	88° 50'	+3.4	-1.9		2169.1		+163	+29	395,426 1,863,085
367	0				5.4	-		-5.4		2165.6	TP	0	0	395,263 1,863,056
368	165		181° 03'	+14.3	6.6	90° 40'	-1.9	-8.5		2162.5		-159	-44	395,104 1,863,012
369	330		" "	" "	9.1	90° 40'	-3.8	-12.9		2158.1		-318	-87	394,945 1,862,969
370	495		183° 04'	" "	11.8	90° 40'	-5.8	-17.6		2153.4		-472	-148	394,791 1,862,908
371	659		184° 35'	" "	5.9	91° 30'	-17.2	-22.9		2148.1	TP	-626	-207	394,637 1,862,849
371	659		183° 58' 54"	" "	7.6	91° 20'	-15.3	-22.9			TP			
	1157	1154.1	19° 50' 55" 180	" "	+10.9	86° -	-80.5	-69.6			BS	-955	-648	
	1157				+7.5	86° 10'	-77.2	-69.7	2078.4		BS			
372	990		19° 51'	+14.3	7.0	86° -	+68.9	+61.9		2140.3		+819	+556	394,501 1,862,757
373	825		19° 21'	" "	5.0	86° -	+57.4	+52.4		2130.8		+687	+457	394,369 1,862,658
374	660		18° 55'	" "	4.9	86° -	+45.9	+41.0		2119.4		+552	+362	394,234 1,862,563
375	495		18° 39'	" "	6.3	85° 50'	+35.9	+29.6		2108.0		+415	+269	394,097 1,862,470
376	330		" "	" "	6.0	85° 50'	+23.9	+17.9		2096.3		+277	+179	393,959 1,862,380
377	165		" "	+14.3	5.9	85° 50'	+12.0	+6.1		2084.5		+138	+90	393,820 1,862,291

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE 3-19-82	INSTRUMENT MAN B. COTCAMP	ROD MAN M. KNAPP	PARTY NUMBER 6834	NOTES CHECKED BY MPK	LINE NO. 6	PAGE 27
AREA CALIFORNIA	TOPO MAP GREEN VALLEY 7 1/2	STATE CALIF.	COUNTY C.A.	TWP	RANGE	PPM m
				PARTY MANAGER L. DAVIS		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									2078.4							
378	0				5.4	-		-5.4		2073.0	π	0	0	393,682	1,862,201	
379	165		191° 04'	+14.3	8.3	92° 10'	-6.2	-14.5		2063.9		-149	-71	393,533	1,862,130	
380	289		188° 13' 38"	" "	10.1	92° 10'	-10.9	-21.0		2057.4	π	-267	-111	393,415	1,862,090	y=393,415 x=1,862,090
381	330		191° 04'	" "	10.7	92° 10'	-12.5	-23.2		2055.2		-298	-141	393,384	1,862,060	ROAD NORTH, Horiz y +10, CORR. x +13'
382	495		" "	" "	11.0	92° 10'	-18.7	-29.7		2048.7		-447	-212	393,235	1,861,989	
382	660		" "	" "	10.4	92° 10'	-24.9	-35.3		2043.1		-596	-283	393,086	1,861,918	
383	820		188° 53'	" "	9.5	92° 10'	-31.0	-40.5		2037.9		-754	-323	392,928	1,861,878	AROUND CORN E.O.M.
384	972	971.3	183° 22' 01"	+14.6°	9.3	92° 10'	-36.7	-46.0		2032.4	TP	-924	-300	392,758	1,861,901	ACROSS STA. E.O.M.
384	972		" "	" "	6.5	92° 20'	-39.5	-46.0			TP					
	825		347° 53' 08" - 180	+14.6°	3.1	88° -	-28.8	-25.7			BS	-824	-36			
	825			" "	5.4	87° 50'	-31.2	-25.8	2006.6		BS					
385	660		347° 30'	+14.6°	7.1	87° 30'	+28.8	+21.7		2028.3		+660	+24	392,594	1,861,889	
386	495		348° 38'	" "	6.7	87° 30'	+21.6	+14.9		2021.5		+494	+28	392,428	1,861,893	
387	330		349° 35'	" "	7.0	87° 30'	+14.4	+7.4		2014.0		+329	+24	392,263	1,861,889	
388	165		347° 46'	" "	6.7	87° 30'	+7.2	+0.5		2007.1		+165	+7	392,099	1,861,872	
389	0				5.4	-		-5.4		2001.2	π	0	0	391,934	1,861,865	ACROSS STATION
390	165		197° 47'	+14.6°	7.1	92° -	-5.8	-12.9		1993.7		-139	-88	391,795	1,861,777	
391	330		195° 21'	" "	8.7	92° -	-11.5	-20.2		1986.4		-286	-165	391,648	1,861,700	
392	495		" "	" "	9.6	92° -	-17.3	-26.9		1979.7		-429	-247	391,505	1,861,618	
393	660		" "	" "	7.3	92° -	-23.0	-30.3		1976.3		-572	-330	391,362	1,861,535	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
3-19-82		B. COFCAMP		M. KNAPP		6834		MPK JM		6		28		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
CALIFORNIA		GREEN VALLEY 7 1/2		CALIF.		L.A.						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.	
									2006.6					
394	825		195° 21'	+14.6°	5.2	92° -	-28.8	-34.0		1972.6		-715	-412	391,219 1,861,453
395	995	994.4	193° 53 51"	"	1.9	92° -	-34.7	-36.67		1970.0	TP	-874	-474	391,060 1,861,391 ACROSS STA.
395	995				4.7	91° 50'	-31.8	-36.5			TP			
	827		33° 19 36" +180	+14.6°	+10.7	88° 30'	-21.6	-10.97	1959.1		BS	-554	-614	
	827				+8.3	88° 40'	-19.2	-10.95			BS			
396	660		34° 34'	+14.6°	4.9	89° -	+11.5	+6.6		1965.7		+432	+499	390,938 1,861,276 @ AROUND CORNER
397	495		35° 07'	"	5.6	89° -	+8.6	+3.0		1962.1		+320	+378	390,826 1,861,155
398	330		34° 29'	"	5.3	89° -	+5.8	+0.5		1959.6		+216	+249	390,722 1,861,026
399	165		31° 16'	"	5.3	89° -	+2.9	-2.4		1956.7		+115	+118	390,621 1,860,895
400	0				5.4	-		-5.4		1953.7	TP	0	0	390,506 1,860,777
401	165		200° 10'	+14.6°	6.2	91° -	-2.9	-9.1		1950.0		-136	-94	390,370 1,860,683 AROUND CORN.
402	330		194° 34'	"	7.2	91° -	-5.8	-13.0		1946.1		-288	-161	390,218 1,860,616
403	485		186° 15'	"	7.5	91° -	-8.5	-16.0		1943.1		-453	-173	390,053 1,860,604
404	649		182° 48'	"	7.3	91° -	-11.3	-18.6		1940.5		-619	-194	389,887 1,860,583
405	812		181° 38 24"	+14.9°	6.8	91° -	-14.2	-21.07		1938.1	TP	-778	-231	389,728 1,860,546 ACROSS STA.
405	812				9.1	90° 50'	-11.8	-20.95			TP			
	500		22° 07 09" +180	+14.9°	+3.9	89° -	-8.7	-4.87			BS	-399	-301	
	500				+2.4	89° 16'	-7.3	-4.9	1933.2		BS			
406	330		21° 19'	+14.9°	6.3	89° -	+5.8	-0.5		1932.7		+266	+195	389,595 1,860,440
407	165		" "	"	7.0	89° -	+2.9	-4.1		1929.1		+133	+97	389,462 1,860,342

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-19-82		B. COCCAMP		M. KNAPP		6834		MPH JM		6		29			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIFORNIA		GREEN VALLEY 7 1/2		CALIF.		L.A.								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
									1933.2						
11	103		25° 05' 47"	+14.9°	6.7	89° -	+1.8	-4.9		1928.3	11	-	-		
408	0				5.4	-		-5.4		1927.8	X	0	0	389,329	1,860,245 Across STA.
409	165		237° 12'	+14.9°	6.8	91° 30'	-4.3	-11.1		1922.1		-51	-157	389,278	1,860,088
410	330		" " " "	"	6.3	91° 30'	-8.6	-14.9		1918.3		-101	-314	389,228	1,859,981
411	501		237° 12' 21"	"	5.3	91° 30'	-13.1	-18.4			TP	-154	-477	389,175	1,859,768
411	501				3.9	91° 40'	-14.6	-18.5		1914.7	TP				
	660		58° 06' 56" +180	+14.9°	+1.0	TH	-3.3	-2.3	1912.4		BS	-193	-631		
	660				+9.2	89° -	-11.5	-2.3			BS				
412	495		58° 07'	+14.9°	9.9	89° -	+8.6	-1.3		1911.1		+145	+473	389,127	1,859,610
413	330		" "	"	9.3	89° -	+5.8	-3.5		1908.9		+96	+316	389,078	1,859,453
414	165		" "	"	7.2	89° -	+2.9	-4.3		1908.1		+48	+158	389,030	1,859,295
415	0				5.4	-		-5.4		1907.0	X	0	0	388,982	1,859,137
416	165		245° 50'	+14.9°	8.3	89° -	+2.9	-5.4		1907.0		-27	-163	388,955	1,858,974
#1	179		240° 20' 32"	"	8.5	89° -	+3.1	-5.4		1907.0	#1	-	-		
417	330		245° 50'	"	11.2	89° 10'	+4.8	-6.4		1906.0		-53	-326	388,929	1,858,811
418	495		" "	"	7.1	-		-7.1		1905.3		-80	-489	388,902	1,858,648
419	660		245° 50' 07"	+15.2°	8.2	-		-8.2		1904.2	TP	-103	-652	388,879	1,858,485
419	660		" " " "		11.5	TH	+3.3	-8.2			TP				
	1812		58° 00' 13" +180	+15.2°	+6.3	-		+6.3	1910.5		BS	-524	-1735		
	1812				+1.1	90° 10'	+5.3	+6.4			BS				

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3-19-87		B. Cotcamp		M. Knapp		6834		MPK JM		6	30					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
CALIFORNIA		GREEN VALLEY - WARM SPRINGS Mtn.	CALIF.	L.A.					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
									1910.5							
420	1650		57° 02'	+15.2°	7.0	-		-7.0		1903.5		+503	+1571	388,858	1,858,321	↑ GREEN VALLEY ↓
421	1485		56° 40'	"	8.0	-		-8.0		1902.5		+462	+1411	388,817	1,858,161	
422	1320		" "	"	8.0	-		-8.0		1902.5		+411	+1254	388,766	1,858,004	↑ WARM SPRINGS MOUNTAIN
423	1155		" "	"	8.9	-		-8.9		1901.6		+359	+1098	388,714	1,857,848	
424	990		56° 25'	"	9.3	-		-9.3		1901.2		+312	+939	388,667	1,857,689	
425	825		" "	"	10.1	-		-10.1		1900.4		+260	+783	388,615	1,857,533	
426	660		" "	"	10.4	-		-10.4		1900.1		+208	+626	388,563	1,857,376	
427	495		55° 40'	+15.2°	8.7	-		-8.7		1901.8		+162	+468	388,517	1,857,218	
428	330		" "	"	6.5	-		-6.5		1904.0		+108	+312	388,463	1,857,062	
429	309		57° 59' 35"	"	6.2	-		-6.2		1904.3	IF	+89	+296	388,444	1,857,046	↑ Y-388,500 X-1,857,015 T-RD. SOUTH
429	165		55° 40'	"	5.1	-		-5.1		1905.4		+54	+156	388,409	1,856,906	
430	0				5.4	-		-5.4		1905.1	IF	0	0	388,355	1,856,750	
431	165		230° 12'	+15.2°	6.3	-		-6.3		1904.2		-69	-150	388,286	1,856,600	
432	330		" "	"	9.5	-		-9.5		1901.0		-137	-300	388,218	1,856,450	
433	495		" "	"	10.9	BH	-2.5	-13.4		1897.1		-206	-450	388,149	1,856,300	
434	660		" "	"	6.0	91°	-11.5	-17.5		1893.0		-275	-600	388,080	1,856,150	
435	825		230° 12'	"	7.0	91°	-14.4	-21.4		1889.1		-343	-750	388,012	1,856,000	
436	990		" "	+15.2°	8.2	91°	-17.3	-25.5		1885.0		-412	-900	387,943	1,855,850	
437	1155		" "	"	9.7	91°	-20.2	-29.9		1880.6		-481	-1050	387,874	1,855,700	
438	1320		" "	"	11.6	91°	-23.0	-34.6		1875.9		-549	-1200	387,806	1,855,550	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-19-82		B. Cotcamp		M. Knapp		6834		MPK JM		6		31			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIFORNIA		WARM SPRINGS MTN.		CALIF.		L.A.								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
									1910.5						
439	1485		230° 12'	+15.2°	9.5	91° 10'	-30.2	-39.7		1870.8		-618	-1350	387,737	1,855,400
440	1649		230° 11' 35"	"	11.4	91° 10'	-33.6	-45.0		1865.5	TP	-686	-1499	387,669	1,855,251 E.O.M.
440	1649				14.3	91° 04'	-30.7	-45.0			TP				
	1483	1482.2	49° 58' 12" +180	+15.2°	8.6	88° 10'	-47.4	-38.8	1826.7		BS	-622	-1345		E.O.M.
	1483				+4.3	88° 20'	-43.1	-38.8			BS				
441	1320		49° 58'	+15.2°	8.0	88° 10'	+42.2	+34.2		1860.9		+554	+1198	387,601	1,855,104
442	1155		" "	"	7.7	88° 10'	+36.9	+29.2		1855.9		+485	+1048	387,532	1,854,954
443	990		" "	"	7.4	88° 10'	+31.7	+24.3		1851.0		+416	+898	387,463	1,854,804
444	825		" "	"	7.1	88° 10'	+26.4	+19.3		1846.0		+346	+749	387,393	1,854,655
445	660		49° 58'	"	7.6	88° 10'	+21.1	+13.5		1840.2		+277	+599	387,324	1,854,505
446	495		" "	+15.2°	6.8	88° 10'	+15.8	+9.0		1835.7		+208	+449	387,255	1,854,355
447	330		" "	"	6.3	88° 10'	+10.6	+4.3		1831.0		+139	+299	387,186	1,854,205
448	165		" "	"	6.0	88° 10'	+5.3	-0.7		1826.0		+69	+150	387,116	1,854,056
449	0				5.4	-	-	-5.4		1821.3	X	0	0	387,047	1,853,906
450	165		229° 48'	+15.2°	7.1	-	-	-7.1		1819.6		-70	-150	386,977	1,853,756
451	330		" "	"	8.4	-	-	-8.4		1818.3		-139	-299	386,908	1,853,607
452	495		" "	"	9.4	-	-	-9.4		1817.3		-209	-449	386,838	1,853,457
453	660		" "	"	10.6	-	-	-10.6		1816.1		-279	-598	386,768	1,853,308
454	825		" "	"	11.8	-	-	-11.8		1814.9		-349	-748	386,698	1,853,158
455	990		" "	"	13.1	-	-	-13.1		1813.6		-418	-897	386,629	1,853,009

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
3-19-82		B. Cotcamp		M. Knapp		6834		MPK dm		6	32				
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER							
CALIF.		WARM SPRINGS MTN.	CALIF.	WARM SPRINGS MTN.	L.A.			L. DAVIS							
STATION NO.	 SLOPE DISTANCE	 PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES Y X		REMARKS
								1826.7							
456	1155		229° 48'	+15.2°	8.5	84	-5.8	-14.3	1812.4		-488	-1047	386,559	1,852,859	
457	1320		229° 33'	"	7.6	90° 20'	-7.7	-15.3	1811.4		-563	-1194	386,484	1,852,712	
458	1484		228° 31' 29"	"	7.8	90° 20'	-8.6	-16.4		TP	-657	-1331	386,390	1,852,575	E.O.M.
458	1484				12.2	90° 16'	-4.3	-16.5	1810.2	TP					
	1152		35° 21' 37" +120	+15.2°	+3.2	74	-5.8	-2.6	1807.6	BS	-732	-890			E.O.M.
	1152				+7.6	89° 30'	-10.1	-2.5		BS	+				
459	990		33° 21'	+15.2°	7.0	89° 30'	+8.6	+1.6	1809.2		+654	+743	386,313	1,852,428	
460	825		32° 19'	"	6.7	89° 30'	+7.2	+0.5	1808.1		+557	+608	386,216	1,852,293	
461	660		32° 49'	"	6.3	89° 30'	+5.8	-0.5	1807.1		+441	+491	386,100	1,852,176	
462	495		31° 17'	"	7.3	89° 20'	+5.8	-1.5	1806.1		+341	+359	386,000	1,852,044	
463	330		" "	"	6.7	89° 20'	+3.8	-2.9	1804.7		+227	+239	385,886	1,851,924	
464	165		" "	"	6.0	89° 20'	+1.9	-4.1	1803.5		+114	+120	385,773	1,851,805	
465	0				5.4	-	-	-5.4	1802.2	X	0	0	385,659	1,851,685	
466	165		21° 14'	+15.2°	5.0	90° 50'	-2.4	-7.4	1800.2		-114	-120	385,545	1,851,565	
467	330		" "	"	6.1	90° 50'	-4.8	-10.9	1796.7		-227	-239	385,432	1,851,446	
468	495		" "	"	9.4	90° 50'	-7.2	-16.6	1791.0		-341	-359	385,318	1,851,326	
469	660		212° 07'	"	4.1	91° 40'	-19.2	-23.3	1784.3		-447	-485	385,212	1,851,200	
470	825		212° 45'	"	7.1	91° 40'	-24.0	-31.1	1776.5		-553	-613	385,106	1,851,072	
471	993		212° 15' 58"	"	9.5	91° 40'	-28.9	-38.4	1769.2	TP	-671	-731	384,989	1,850,954	E.O.M.
471	993				12.3	91° 30'	-26.0	-38.3		TP	+				CROSS STA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
3-19-82		G. Cotcamp		M. KNAPP		6834		MDK Jm		6	33			
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
CALIF.		WARM SPRINGS MTN.	CALIF.	L.A.					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.	
									1769.2					
	1154		44° 57' 39" +180	+15.2°	+4.3	TH	-5.8	-1.5	1767.7		BS	-574	-1001	
	1154				+5.3	89° 40'	-6.7	-1.4		BS				
472	990		44° 05'	+15.2°	6.3	-	-6.3		1761.4			+506	+851	384,922 1,850,804
473	825		44° 42'	"	8.0	BH	-4.1	-12.1	1755.6			+414	+714	384,830 1,850,667
474	660		44° 53'	"	12.0	BH	-3.3	-15.3	1752.4			+329	+572	384,745 1,850,525
475	495		46° 33'	"	7.9	90° 50'	-7.2	-15.1	1752.6			+234	+436	384,650 1,850,389
476	330		" "	"	7.2	90° 50'	-4.8	-12.0	1755.7			+156	+291	384,572 1,850,244
477	165		" "	"	6.1	90° 50'	-2.4	-8.5	1759.2			+78	+145	384,494 1,850,098
478	0				5.4	-	-5.4		1762.3		T	0	0	384,416 1,849,953
479	165		231° 17'	+15.2°	6.7	88° 10'	+5.3	-1.4	1766.3			-66	-151	384,350 1,849,802
480	330		" "	"	8.3	88° 10'	+10.6	+2.3	1770.0			-132	-303	384,284 1,849,650
481	495		" "	"	10.1	88° 10'	+15.8	+5.7	1773.4			-198	-454	384,218 1,849,499
482	660		" "	"	11.6	88° 10'	+21.1	+9.5	1777.2			-263	-605	384,153 1,849,348
483	825		" "	"	13.1	88° 10'	+26.4	+13.3	1781.0			-329	-756	384,087 1,849,197
484	990		" "	+15.2°	4.9	88° 50'	+20.2	+15.3	1783.0			-395	-908	384,021 1,849,045
485	1153		231° 16' 53"	"	7.1	88° 50'	+23.5	+16.4			BS	-460	-1057	383,957 1,848,896
485	1153				10.5	88° 40'	+26.8	+16.3	1784.0		TP			
	1320		51° 43' 04" +180	+15.2°	+14.5	89°	-23.0	-8.5			BS	-517	-1214	
	1320				+10.6	89° 10'	-19.2	-8.6	1775.4		BS			
486	1155		51° 43'	+15.2°	7.5	89° 10'	+10.8	+9.3	1784.7			+453	+1063	383,894 1,848,745

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
3-19-82		B. Cotcamp		M. Kwapp		6834		MK DM		6	34						
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER									
CALIF.		WARM SPRINGS MTA.	CALIF.	L.A.				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		
									1775.4								
487	990		51° 43'	+15.2°	7.0	89° 10'	+14.4	+7.4		1782.8		+388	+911	383,829	1,848,593		
488	825		" "	"	6.6	89° 10'	+12.0	+5.4		1780.8		+323	+759	383,764	1,848,441		
489	660		" "	"	6.3	89° 10'	+9.6	+3.3		1778.7		+259	+607	383,700	1,848,289		
490	495		" "	"	6.0	89° 10'	+7.2	+1.2		1776.6		+194	+455	383,635	1,848,137		
491	330		51° 43'	"	5.4	89° 10'	+4.8	-0.6		1774.8		+129	+304	383,570	1,847,986		
492	165		" "	"	5.0	89° 10'	+2.4	-2.6		1772.8		+65	+152	383,506	1,847,834		
493	0				5.4	-		-5.4		1770.0	TP	0	0	383,441	1,847,682		
494	165		231° 34'	+15.2°	7.0	-		-7.0		1768.4		-65	-152	383,376	1,847,530		
495	330		" "	"	9.4	-		-9.4		1766.0		-130	-303	383,311	1,847,379		
496	495		" "	"	12.0	-		-12.0		1763.4		-195	-455	383,246	1,847,227		
497	660		" "	"	12.3	84	-3.3	-15.6		1759.8		-260	-606	383,181	1,847,076		
498	825		231° 34'	"	5.8	91° -	-14.4	-20.2		1755.2		-325	-758	383,116	1,846,924		
499	990		" "	"	8.2	91° -	-17.3	-25.5		1749.9		-391	-910	383,050	1,846,772		
500	1155		" "	"	12.0	91° -	-20.2	-32.2		1743.2		-456	-1061	382,985	1,846,621		
501	1318				11.8	91° 10'	-26.8	-38.6		1736.8	TP	-520	-1211	382,922	1,846,471		
501	1318		231° 33 52"	+15.2°	14.1	91° 04'	-24.5	-38.6			TP						
	320		10° 21' 19" +180	"	+4.0	87° -	-16.7	-12.7	1724.1		BS	-288	-138				
	320				+3.1	87° 10'	-15.8	-12.7			BS						
502	165		2° 01'	+15.2°	5.7	85° 30'	+12.9	+7.2		1731.3		+158	+49	382,793	1,846,382	AROUND 90° CORN	
503	0				5.4	-		-5.4		1718.7	TP	0	0	382,635	1,846,333		

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-19-82		B. Cotcamp		M. Knapp		6834		DM B.C.		6		35			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIFORNIA		WARM SPRINGS MTA		CALIF.		L.A.								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
									1724.1						
504	165		182° 06'	+15.2°	6.7	93° -	-8.6	-15.3		1708.8		-158	-49	382,477	1,846,284
505	330		" "	"	7.7	93° -	-17.2	-24.9		1699.2		-315	-98	382,320	1,846,235
506	501		181° 28' 46"	"	2.1	93° -	-26.2	-28.3		1695.8	TP	-479	-144	382,157	1,846,189
506	501		" "	"	3.6	92° 50'	-24.7	-28.3			TP	+			ACROSS STA.
	378		29° 51' 35" +180	+15.2°	+3.2	-		+3.2	1699.0		BS	-225	-225		
	378		" "	"	+1.6	84'	+1.6	+3.2			BS	+			
507	153		23° 58'	+15.2°	5.8	89° 50'	+0.4	-5.4		1693.6		+119	+97	382,052	1,846,061
X 508	0		" "	"	5.4	-		-5.4		1693.6	↑	0	0	381,933	1,845,964
508	15		190° 10'	+15.2°	4.9	-		-4.9		1694.1		-14	-6	381,919	1,845,938
509	175		186° 12'	"	0.1	TH	+0.9	+0.8		1699.8		-163	-64	381,770	1,845,900
510	335		170° 30' 33"	"	3.4	88° -	+11.7	+8.3		1707.3	TP	-333	-33	381,601	1,845,931
510	335		" "	"	2.4	88° 10'	+10.7	+8.3			TP	+			ACROSS STA.
	502	500.8	28° 03' 56" +180	+15.2°	+4.8	86° -	-34.9	-30.1			BS	-365	-343		
	502		" "	"	+3.3	86° 10'	-33.5	-30.2	1677.1		BS	+			
511	330		28° 04'	+15.2°	10.2	85° -	+28.7	+18.5		1695.6		+240	+226	381,477	1,845,814
512	165		25° 31'	"	9.9	85° -	+14.3	+4.4		1681.5		+125	+108	381,362	1,845,696
513	0		" "	"	5.4	-		-5.4		1671.7	↑	0	0	381,237	1,845,588
514	165		232° 26'	+15.2°	5.7	92° 30'	-7.2	-12.9		1664.2		-63	-153	381,174	1,845,435
515	340		228° 21' 24"	"	3.1	92° 30'	-14.8	-17.9		1659.2	TP	-151	-304	381,087	1,845,284
515	340		" "	"	2.1	92° 40'	-15.8	-17.9			TP	+			ACROSS STA.

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE							
3-19-82		B. Cotcamp		M. Knapp		6834		J.M. B.C.		6	36							
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER									
CALIFORNIA		WARM SPRINGS MTN.	CALIF.	L.A.					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			
	331		64° 22' 58" +180	+15.2°	+3.1	-		+3.1	1662.3	1659.2	BS	-60	-326					
	331				+4.8	TH	-1.7	+3.1			BS	+1						
516	165		60° 20'	+15.2°	5.3	TH	+0.8	-4.5		1657.8		+41	+160	381,069	1,845,118			
517	0				5.4	-		-5.4		1656.9	T	0	0	381,028	1,844,958			
518	165		235° 09'	+15.2°	6.2	-		-6.2		1656.1		-55	-155	380,973	1,844,803			
519	330		" "	"	6.8	BH	-1.7	-8.5		1653.8		-111	-311	380,917	1,844,647			
520	490		231° 10' 13"	"	14.3	-		-14.3			TP	-196	-449	380,833	1,844,509	AROUND CORN.		
520	490		" "	"	11.9	BH	-2.5	-14.4		1647.9	TP	+1						
	824		18° 29' 18" +180	+15.2°	+4.2	89° -	-14.4	-10.2	1637.7		BS	-686	-457					
	824				+6.6	88° 50'	-16.8	-10.2			BS	+1						
521	660		17° 15'	+15.2°	6.9	88° 40'	+15.4	+8.5		1646.2		+557	+354	380,705	1,844,406			
522	495		" "	"	7.4	88° 20'	+14.4	+7.0		1644.7		+418	+266	380,566	1,844,318			
523	330		" "	"	6.4	88° 20'	+9.6	+3.2		1640.9		+278	+177	380,426	1,844,229			
524	165		" "	"	5.3	88° 20'	+4.8	-0.5		1637.2		+139	+89	380,287	1,844,141			
525	0		" "	"	5.4	-		-5.4		1632.3	T	0	0	380,148	1,844,052			
526	165		201° 21'	+15.2°	5.4	90° 50'	-2.4	-7.8		1629.9		-133	-98	380,015	1,843,954			
527	330		196° 28'	"	5.5	90° 50'	-4.8	-10.3		1627.4		-281	-173	379,867	1,843,879			
528	495		192° 38'	"	5.0	90° 50'	-7.2	-12.2		1625.5		-438	-231	379,710	1,843,821			
529	660		190° 25'	"	4.2	90° 50'	-9.6	-13.8		1623.9		-595	-285	379,553	1,843,767			

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-19-82		B. Cotcamp		M. Knapp		6834		m B.C.		6		37			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIF.		WARM SPRINGS MTN.		CALIF.		L.A.								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
									1637.7						
530	821		190° 32' 19"	+15.2°	3.9	90° 50'	-11.9	-15.8		1621.9	TP	-739	-356	379,410	1,843,686
530	821				6.3	90° 40'	-9.5	-15.8			TP	+1			
	657		26° 43' 32" +180	+15.2°	+9.0	89° -	-11.5	-2.5	1619.4		BS	-489	-439		
	657				+7.1	89° 10'	-9.6	-2.5			BS	+1			
531	490		27° 42'	+15.2°	8.0	89° -	+8.6	+0.6	1620.0			+359	+334	379,281	1,843,591
532	330		21° 55'	"	6.9	88° 40'	+7.7	+0.8	1620.2			+263	+199	379,185	1,843,456
533	165		19° 08'	"	4.6	88° 40'	+3.8	-0.8	1618.6			+136	+93	379,058	1,843,350
534	0				5.4	-		-5.4	1614.0		TP	0	0	378,922	1,843,257
535	165		208° 57'	+15.2°	5.1	90° 50'	-2.4	-7.5	1611.9			-118	-115	378,804	1,843,142
536	330		" "	"	5.1	90° 50'	-4.8	-9.9	1609.5			-237	-230	378,685	1,843,027
537	495		" "	"	5.3	90° 50'	-7.2	-12.5	1606.9			-355	-345	378,567	1,842,912
538	656		203° 14' 41"	"	7.3	90° 30'	-5.7	-13.0			TP	-514	-408	378,409	1,842,849
538	656				9.3	90° 20'	-3.8	-13.1	1606.3		TP	+1			Around Corn
	329		352° 51' 19" -180	+15.2°	+3.8	TH	-1.6	+2.2	1608.5		BS	-326	-46		
	329				+4.1	89° 40'	-1.9	+2.2			BS				
539	165		359° 59'	+15.2°	6.5	89° 20'	+1.9	-4.6	1603.9			+159	+43	378,243	1,842,846
540	0				5.4	-		-5.4	1603.1		TP	0	0	378,081	1,842,805
541	165		194° 35'	+15.2°	9.0	89° 20'	+1.9	-7.1	1601.4			-143	-82	377,941	1,842,721
542	330		" "	"	12.1	89° 20'	+3.8	-8.3	1600.2			-286	-164	377,798	1,842,639
543	495		" "	"	7.0	90° 20'	-2.9	-9.9	1598.6			-430	-246	377,654	1,842,557

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
3-19-82		B. Cotcamp		M. Knapp		6834		LM B.C.		6		38				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
CALIFORNIA		WARM SPRINGS MTN.		CALIF.		L.A.								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
TP	589		194° 05' 10"	+15.2	10.0	89° 50'	+1.7	-8.3	1600.5	1600.2	TP	-514.1	-288.1	377,571	1,842,516	
TP	589			" "	8.3	-		-8.3			TP					
	580		118° 26' 01" +180	" "	+7.3	89° -	-10.1	-2.8	1597.4		BS	+400.1	-420.1			90° CORNER.
	580			" "	+5.7	89° 10'	-8.4	-2.7			BS					
544	481		124° 15'	+15.2	8.6	89° -	+8.4	-0.2		1597.2		-365	+313	377,607	1,842,410	
545	322		121° 58'	" "	6.2	89° -	+5.6	-0.6		1596.8		-236	+219	377,736	1,842,316	
546	157		110° 20'	" "	6.9	88° 50'	+3.2	-3.7		1593.7		-91	+128	377,881	1,842,225	
547	0				5.4	-		-5.4		1592.0	X	0	0	377,972	1,842,097	90° BEND
548	159		223° 34'	+15.2	6.6	-		-6.6		1590.8		-82	-136	377,890	1,841,961	
549	320		216° 32'	" "	7.8	-		-7.8		1589.6		-198	-251	377,774	1,841,846	
550	485		" "	" "	6.1	-		-6.1		1591.3		-300	-381	377,672	1,841,716	
551	650		216° 33' 08"	" "	8.9	84	-3.3	-12.2		1585.2	TP	-402.1	-510.1	377,571	1,841,588	
551	650				12.2	-		-12.2			TP					
	238		342° 04' 06" -180	+15.2	+9.5	87° -	-12.4	-2.9			BS	-237.1	+11.1			
	238			" "	+8.8	87° 10'	-11.8	-3.0	1582.2		BS					
≡	148		329° 56' 20"	" "	2.5	-		-2.5		1579.7	≡	+143	-38	377,478	1,841,562	Y=377,500 X=1,841,525 RD WEST
552	95		310° 28°	" "	3.4	-		-3.4		1578.8		+78	-54	377,413	1,841,546	90° BEND
X	0				5.4	-		-5.4		1576.8	X	0	0	377,335	1,841,600	
553	70		114° 22'	+15.2	5.2	-		-5.2		1577.0		-45	+54	377,290	1,841,654	

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE 3-19-82	INSTRUMENT MAN B. Cotcamp	ROD MAN M. Knapp	PARTY NUMBER 6834	NOTES CHECKED BY MKK JMK	LINE NO. 6	PAGE 39
AREA CALIFORNIA	TOPO MAP Warm Springs Mtn.	STATE CALIF.	COUNTY L.A.	TWP RANGE PPM	PARTY MANAGER L. DAVIS	

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									1582.2										
554	235		110° 35'	+15.2	3.6	BH	-1.2	-4.8		1577.4		-137	+191	377,198	1,841,791				
555	400		107° 59'	" "	5.9	-		-5.9		1576.3		-219	+335	377,116	1,841,935				
TP	475		108° 51' 42"	" "	8.5	-		-8.5		1573.7	TP	-266	+394	377,070	1,841,915				
TP	475				6.1	BH	-2.4	-8.5			TP	+1	"						
	430		351° 18' 18" -180	+15.4	+0.6	-		+0.6	1574.3		BS	-427	-50						
	430				+2.8	TM	-2.2	+0.6			BS	"	"						
556	335		354° 12'	+15.4	2.9	-		-2.9		1571.4		+330	+56	376,974	1,842,003				
557	165		351° 30'	" "	5.8	89°	+2.9	-2.9		1571.4		+164	+20	376,808	1,841,967				
558	0				5.4	-		-5.4		1568.9	TP	0	0	376,644	1,841,947				ACROSS STA.
559	165		213° 20'	+15.4	6.3	92°	-5.8	-12.1		1562.2		-109	-124	376,535	1,841,823				AROUND CORNER.
560	340		219° 47' 05"	" "	12.5	91°	-5.9	-18.4		1555.9	TP	-194	-279	376,451	1,841,670				
560	340				11.5	91° 10'	-6.9	-18.4			TP								
	415		82° 16' 00" +180	+15.4	+6.7	88°	-14.5	-7.8	1548.1		BS	+55	-411						
	415				+5.5	88° 16'	-13.3	-7.8			BS								
561	250		80° 10'	+15.4	8.1	88° 10'	+8.0	-0.1		1548.0		-24	+249	376,483	1,841,510				
562	85		74° 23'	" "	6.9	88° 10'	+2.7	-4.2		1543.9		±0.	+85	376,507	1,841,346				
TP	0				4.5	87°		-5.4		1542.7	TP	0	0	376,507	1,841,261				
563	85		210° 14'	+15.4	4.5	91° 40'	-2.5	-7.0		1541.1		-59	-61	376,448	1,841,200				
564	250		204° 00' 06"	" "	6.3	91°	-4.4	-10.7		1537.4		-193	-159	376,314	1,841,102				

y=377,070 x=1,841,915
 y INT. Horiz y=+24
 CORR. x=+5'

SURVEY NOTES-HIGH RESOLUTION DATA
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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3-22-82		B. Cotcamp		M. Knapp		6834		MPK Jm		6	40					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
CALIF.		WARM SPRINGS 1/4	CALIFORNIA	L.A.					L. DAVIS							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
												LAT.	DEP.			
									1548.1							
TR565	412		199° 09' 08"	+15.5	4.2	91°	-7.2	-11.4		1536.7	TP	-339 _{±1}	-234 _{±1}	376,169	1,841,028	
TR565	412				3.0	91° 10'	-8.4	-11.4			TP					
	326		318° 41' 07" -180	+15.5	+7.3	89°	-5.7	+1.6			BS	-293 _{±1}	+142 _{±1}			Around Curve
	326				+8.3	88° 50'	-6.6	+1.7	1538.4		BS					
566	165		304° 42'	" "	7.3	89°	+2.9	-4.4		1534.0		+127	-106	376,004	1,841,065	
567	0				5.4	-		-5.4		1533.0	X	0	0	375,877	1,841,171	
568	155		137° 21'	+15.5	6.5	-		-6.5		1531.9		-138	+71	375,739	1,841,242	
JL	171		137° 58' 53"	" "	6.4	-		-6.4		1532.0	TP	-153 _{±1}	+76 _{±1}	375,725	1,841,248	y=375,780 x=1,841,235 around curve BRIDGE
TP	171				5.5	BH	-0.9	-6.4			TP					
	480		354° 35' 42" -180	+15.5	+0.7	TH	-2.4	-1.7	1530.3		BS	-473 _{±1}	-84 _{±1}			
	480				+6.6	89°	-8.4	-1.8			BS					
569	330		352° 55'	+15.5	5.9	89°	+5.8	-0.1		1530.2		+326	+48	375,579	1,841,213	
570	165		" "	" "	4.8	89°	+2.9	-1.9		1528.4		+163	+24	375,416	1,841,189	
571	0				5.4	-		-5.4		1524.9	X	0	0	375,253	1,841,165	
572	165		154° 13'	+15.5	10.2	-		-10.2		1520.1		-162	+29	375,091	1,841,194	
573	333		148° 144' 31' 37"	" "	12.5	-		-12.5		1518.8	TP	-313 _{±1}	+114 _{±1}	374,941	1,841,280	ACROSS STR.
573	333				9.8	BH	-1.7	-11.5			TP					
	339		349° 39' 12" -180	+15.5	+1.3	TH	-1.7	-0.4	1518.4		BS	-338 _{±1}	-30 _{±1}			
	339				+5.5	89°	-5.9	-0.4			BS					AROUND CURVE
574	167		343° 21'	+15.5	6.1	88° 50'	+3.4	-2.7		1515.7		+167	-3	374,771	1,841,248	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
3-22-82		B. Cotcamp		M. Knapp		6834		MPK dm		6	41						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
CALIFORNIA		WARM SPRINGS MOUNTAIN	CALIF.	L.A.					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		
									1518.4								
575	0				5.4	-		-5.4		1513.0	TP	0	0	374,664	1,841,251	ACROSS STA.	
576	165		198° 26'	+15.5	8.5	-		-8.5		1509.9		-137	-92	374,467	1,841,159		
577	348		200° 25' 44"	" "	9.2	-		-9.2			TP	-282	-204	374,323	1,841,048	ACROSS STA.	
577	348				7.4	84	-1.7	-9.1		1509.3	TP						
	922		85° 51' 29" +180	+15.5	+2.5	-		+2.5	1511.8		BS	+182	-904				
	922				+7.1	TH	-4.6	+2.5			BS						
578	751		86° 24'	+15.5	8.7	89° 50'	+2.2	-6.5		1505.3		-155	+735	374,351	1,840,880		
579	590		85° 36'	" "	6.8	-		-6.8		1505.0		-114	+579	374,392	1,840,729		
580	430		84° 22'	" "	6.7	-		-6.7		1505.1		-74	+424	374,432	1,840,569		
581	265		79° 13'	" "	6.0	-		-6.0		1505.8		-22	+264	374,284	1,840,409		
582	160		82° 57'	" "	6.9	-		-6.9		1504.9		-15	+99	374,491	1,840,244	AROUND CORNER.	
TP	0				5.4	-		-5.4		1506.4	TP	0	0	374,506	1,840,145	OFFLINE IN CORN.	
583	135		163° 46'	+15.5	9.9	-		-9.9		1501.9		-135	+2	374,371	1,840,147		
584	300		166° 42'	" "	6.4	92°	-10.5	-16.9		1494.9		-300	-12	374,206	1,840,133		
585	465		164° 40'	" "	8.5	92°	-16.2	-24.7		1487.1		-465	-1	374,041	1,840,144		
586	625		163° 02'	" "	8.2	92° 20'	-25.4	-33.6		1478.2		-625	+16	373,881	1,840,161		
587	789	788.2	163° 29' 13"	" "	8.4	92° 20'	-32.1	-40.5		1471.3	TP	-788	+14	373,719	1,840,160		
587	789				6.1	92° 30'	-34.4	-40.5			TP						
	326		23° 01' 17" +180	+15.5	+4.3	88°	-11.4	-7.1	1464.2		BS	-255	-203			AROUND CORNER.	
	326				+3.3	88° 10'	-10.4	-7.1			BS						

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
7-22-82		B. Cotcamp		M. Kwapp		6834		MPK am		6		42		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
CALIFORNIA		WARM SPRINGS MOUNTAIN		CALIF.		L.A.						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.	
									1464.2					
588	160		26° 31'	+15.5°	5.9	88° -	+5.6	-0.3		1463.9		+119	+107	373,584 1,840,065
589	0				5.4	-		-5.4		1458.8	TP	0	0	373,465 1,839,958 AROUND CORNER
590	169		145° 59'	+15.5°	12.2	-		-12.2		1452.0		-156	+52	373,389 1,840,010
591	325		146° 39'	"	7.2	91° 30'	-8.5	-15.7		1448.5		-297	+131	373,168 1,840,089
592	490		137° 43'	"	5.2	91° 30'	-12.8	-18.0		1446.2		-437	+221	373,028 1,840,179
593	646		140° 01' 24"	"	2.5	91° 30'	-16.9	-19.4		1444.8	TP	-588	+268	372,878 1,840,227 AROUND CORNER
593	646				0.7	91° 40'	-18.8	-19.5			TP			
	483		24° 36' 29" +180	+15.5°	+2.4	TM	-2.4	± 0.0			BS	-369	-311	
	483				+8.5	89° -	-8.4	+0.1	1444.9		BS			
594	322		25° 43'	+15.5°	6.8	89° 10'	+4.7	-2.1		1442.8		+242	+212	372,752 1,840,129
595	165		15° 43'	"	6.0	89° 10'	+2.4	-3.6		1441.3		+141	+86	372,651 1,840,003
596	0				5.4	-		-5.4		1439.5	TP	0	0	372,510 1,839,917 ON CORNER
597	165		163° 28'	+15.5°	8.9	89° 10'	+2.4	-6.5		1438.4		-165	+3	372,345 1,839,920
598	320		173° 46'	"	13.5	89° 10'	+4.7	-8.8		1436.1		-316	-52	372,194 1,839,865 AROUND CORNER
599	450		189° 05' 24"	"	9.2	90° 20'	-2.6	-11.8		1433.1	TP	-409	-187	372,102 1,839,731 AROUND CORNER
599	450				7.9	90° 20'	-3.9	-11.8			TP			
	311		26° 31' 24" +180	+15.5°	+11.9	88° -	-10.8	+1.1	1434.2		BS	-231	-208	
	311				+12.8	87° 50'	-11.8	+1.0			BS			
600	153		15° 01'	+15.5°	6.1	89° -	+2.7	-3.4		1430.8		+132	+78	372,004 1,839,602
TP	0				5.4	-		-5.4		1428.8	TP	0	0	371,872 1,839,524

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-22-82		B. Cotcamp		M. Knapp		6834		MDK JM		6		43			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIF.		WARM SPRINGS MOUNTAIN		CALIF.		L.A.								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
									1434.2						
601	11		169° 40'	+15.5	5.6	89°	+0.2	-5.4		1428.8		-11	-1	371,861	1,839,523
602	176		185° 40'	" "	6.3	88° 40'	+4.1	-2.2		1432.0		-164	-64	371,708	1,839,460
603	339		176° 21' 14"	" "	5.3	88° 40'	+7.9	+2.6		1436.8	TP	-332	-70	371,541	1,839,455
603	339		" "	" "	4.3	88° 50'	+6.9	+2.6			TP				
	495		329° 51' 56" -180	+15.5	+10.0	88° 40'	-11.5	-1.5	1435.3		BS	-479	+125		
	495		" "	" "	+8.6	88° 50'	-10.1	-1.5			BS				
604	330		330° 51'	+15.5	7.2	88° 20'	+9.6	+2.4		1437.7		+321	-78	371,384	1,839,503
605	165		334° 08'	" "	7.0	87°	+8.6	+1.6		1436.9		+162	-30	371,225	1,839,551
606	0		" "	" "	5.4	-		-5.4		1429.9	T	0	0	371,063	1,839,581
607	165		160° 35'	+15.5	6.0	92°	-5.8	-11.8		1423.5		-165	+11	370,898	1,839,592
608	330		" "	" "	4.5	92°	-11.5	-16.0		1419.3		-329	+23	370,734	1,839,604
609	495		163° 05' 32"	" "	4.8	92°	-17.3	-22.1			TP	-495	+12	370,569	1,839,594
609	495		" "	" "	3.3	92° 10'	-18.7	-22.0		1413.3	TP				
	493		09° 04' 36" +180	+15.5	+5.5	89°	-8.6	-3.1	1410.2		BS	-448	-205		
	493		" "	" "	+4.1	89° 10'	-7.2	-3.1			BS				
610	330		10° 11'	+15.5	6.3	89°	+5.8	-0.5		1409.7		+297	+143	370,419	1,839,533
611	165		" "	" "	5.0	89°	+2.9	-2.1		1408.1		+149	+72	370,271	1,839,462
612	0		" "	" "	5.4	-		-5.4		1404.8	T	0	0	370,122	1,839,390
613	165		179° 03'	+15.5	7.0	90° 30'	-1.4	-8.4		1401.8		-160	-41	369,962	1,839,349
614	330		171° 55'	" "	7.0	89° 40'	+1.9	-5.1		1405.1		-327	-43	369,795	1,839,347

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE 3-22-82 INSTRUMENT MAN B. Cotcamp ROD MAN M. Knapp PARTY NUMBER 6834 NOTES CHECKED BY MKK Jm LINE NO. 6 PAGE 44
 AREA CALIF. TOPO MAP WARM SPRINGS MTN. STATE CALIF. COUNTY L.A. TWP RANGE PPM PARTY MANAGER L. DAVIS

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
									1410.2							
615	495		171° 35'	+15.5	2.4	89° 40'	+2.9	+0.5		1410.7		-491	-61	369,631	1,839,329	
MI	619		170° 44' 12"		3.5	89° 20'	+7.2	+3.7		1413.9	MI	-	-			
616	660		172° 02' 08"	+15.5	9.4	88° 50'	+13.4	+4.0			TP	-654 ₊	-87 ₊	369,469	1,839,304	
616	660				7.4	89° -	+11.5	+4.1		1414.3	TP					
	498		347° 16' 46" - 180	+15.5	+4.0	88° -	-17.4	-13.4	1400.9		BS	-497 ₊	-24 ₊			
	498				+5.3	87° 50'	-18.8	-13.5			BS					
617	330		344° 10'	+15.5	7.3	86° 40'	+19.2	+11.9		1412.8		+330	-2	369,308	1,839,279	
618	165		" "	" "	6.5	86° 40'	+9.6	+3.1		1404.0		+165	-1	369,138	1,839,280	
619	0				5.4	-		-5.4		1395.5	T	0	0	368,973	1,839,281	
620	165		181° 39'	+15.5	6.7	90° 40'	-1.9	-8.6		1392.3		-158	-49	368,815	1,839,232	
621	330		186° 07'	" "	8.0	90° 40'	-3.8	-11.8		1389.1		-307	-122	368,666	1,839,159	
622	491		188° 12' 51"	" "	6.5	91° -	-8.6	-15.1		1385.8	TP	-449 ₊	-197 ₊	368,525	1,839,085	
622	491				12.6	04	-2.5	-15.1			TP					
	491		04° 46' 47" + 180	+15.5	+10.9	-		+10.9	1396.7		BS	-461 ₊	-170 ₊			
	491				+8.4	04	+2.5	+10.9			BS					
623	330		01° 17'	+15.5	9.7	-		-9.7		1387.0		+316	+95	368,381	1,839,011	
624	165		" "	" "	7.7	-		-7.7		1389.0		+158	+48	368,223	1,838,964	
625	0				5.4	-		-5.4		1391.3	T	0	0	368,065	1,838,916	
626	165		180° 23'	+15.5	8.8	-		-8.8		1387.9		-159	-45	367,906	1,838,871	
627	330		181° 37'	" "	12.6	-		-12.5		1384.2		-315	-97	367,750	1,838,819	

SURVEY NOTES-HIGH RESOLUTION DATA
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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
3-22-82		B. Cotcamp		M. Knapp		6834		MPK Jm		6	45						
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER									
CALIFORNIA		WARM SPRINGS MTH.	CALIF.	L.A.				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		
									1396.7								
628	495		181° 37'	+15.5	13.3	BH	-2.5	-15.8		1380.9		-473	-146	367,592	1838,770		
629	661		181° 17' 41"	"	6.8	91°	-11.5	-18.3		1378.4	TP	-633	-191	367,433	1838,726		
629	661				4.9	91° 10'	-13.5	-18.4			TP						
	732		10° 02' 13" +180	+15.5	+4.2	-		+4.2		1382.6	BS	-660	-316				
	732				+7.8	TH	-3.7	+4.1			BS						
630	670 570		10° 02'	+15.5	10.3	TH	+2.9	-7.4		1375.2		+514	+246	367,288	1838,657		
631	805 405		" "	" "	7.0	-		-7.0		1375.6		+365	+175	367,139	1838,586		
632	340 240		" "	" "	5.0	TH	+1.2	-3.8		1378.8		+217	+103	366,991	1838,514		
633	475 75		" "	" "	4.4	-		-4.4		1378.2		+68	+32	366,842	1838,443		
X	0				5.4	-		-5.4		1377.2	X	0	0	366,774	1838,411		
634	87		173° 51'	+15.5	6.7	-		-6.7		1375.9		-86	-14	366,688	1838,397		
635	252		164° 03'	"	7.1	-		-7.1		1375.5		-252	+2	366,522	1838,413		
636	417		" "	"	9.0	-		-9.0		1373.6		-417	+13	366,357	1838,414		
637	582		" "	"	11.4	-		-11.4		1371.2		-582	+5	366,192	1838,416		
638	754		164° 36' 38"	"	13.0	-		-13.0		1369.6	TP	-754	-1	366,021	1838,411	across str.	
638	754				10.8	90° 10'	-2.2	-13.0			TP						
	832		14° 26' 24" +180	+15.5	+5.1	88° 30'	-21.8	-16.7		1352.9	BS	-721	-415				
	832				+7.5	88° 20'	-24.2	-16.7			BS						
639	662		11° 24'	+15.5	4.8	88° 30'	+17.3	+12.5		1365.4		+590	+300	365,891	1838,297		
640	495		9° 46'	"	6.2	88° 30'	+13.0	+6.8		1359.7		+448	+211	365,749	1838,208		

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DATE 3-22-82	INSTRUMENT MAN B. Cotcamp	ROD MAN M. Kwapp	PARTY NUMBER 6834	NOTES CHECKED BY MPK dm	LINE NO. 6	PAGE 46
AREA CALIF.	TOPO MAP WARM SPRINGS Mtn/NEWHALL	STATE CALIF.	COUNTY L.A.	TWP	RANGE	PPM
				PARTY MANAGER L. DAVIS		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									1352.9										
Sec. cor.	434		23° 32' 27"	+15.5°	6.0	87° 40'	+17.7	+11.7		1364.6	sec. cor.	-	-						
641	330		7° 42'	" "	7.2	88° 50'	+6.7	-0.5		1352.4		+303	+130	365,604	1,838,127				
642	165		5° 17'	" "	6.7	88° 50'	+3.4	-3.3		1349.6		+154	+59	365,455	1,838,056				
643	0				5.4	-		-5.4		1347.5	X	0	0	365,301	1,837,997				
644	165		179° 11'	+15.5°	8.6	88° 50'	+3.4	-5.2		1347.7		-160	-42	365,141	1,837,955				
645	330		175° 59'	" "	7.3	89° 30'	+2.9	-4.4		1348.5		-323	-66	364,978	1,837,931				
646	495		174° 22'	" "	6.2	89° 30'	+4.3	-1.9		1351.0		-488	-85	364,813	1,837,912				
647	660		173° 38'	" "	5.8	89° 30'	+5.8	±0.0		1352.9		-652	-105	364,649	1,837,892				
648	826		172° 13' 38"	" "	5.3	89° 30'	+7.2	+1.9	}	1354.8	TP	-818 ₊	-111 ₊	364,484	1,837,887				
648	826				7.7	89° 20'	+9.6	+1.9				TP							
	827		1° 10' 19" +180	+15.5°	+2.4	89° -	-14.4	-12.0	}	1342.8	BS	-792 ₊	-237 ₊						
	827				+4.8	88° 50'	-16.8	-12.0				BS							
649	660		1° 34'	+15.5°	7.2	88° 40'	+15.4	+8.2		1351.0		+631	+194	364,324	1,837,845			WARM SPRINGS Mtn	
650	495		" "	" "	6.6	88° 40'	+11.5	+4.9		1347.7		+473	+145	364,166	1,837,796			NEW HALL	
651	330		" "	" "	6.2	88° 40'	+7.7	+1.5		1344.3		+315	+97	364,008	1,837,748			↓	
652	165		" "	" "	5.0	88° 40'	+3.8	-1.2		1341.6		+158	+48	363,851	1,837,699				
653	0				5.4	-		-5.4		1337.4	X	0	0	363,693	1,837,651				
654	165		193° 19'	+15.5°	6.1	-		-6.1		1336.7		-145	-86	363,548	1,837,571				
655	330		197° 04'	" "	9.7	TM	+1.7	-8.0		1334.8		-278	-178	363,415	1,837,473				

SURVEY NOTES-HIGH RESOLUTION DATA
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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO	PAGE						
3-22-82		B. Cotamp		M. KWAPP		6834		MKK dm		6	47						
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
CALIF.		NEW HALL- 7 1/2		CALIFORNIA		L.A.					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		
									1342.8								
656	495		198° 59'	+15.5°	9.7	-		-9.7		1333.1		-408	-280	363,285	1,837,371		
657	660		" "	" "	10.8	-		-10.8		1332.0		-544	-374	363,149	1,837,277		
658	825		199° 03'	" "	12.5	-		-12.5		1330.3	TP	-680	-468	363,014	1,837,184		
658	825				8.4	BH	-4.1	-12.5			TP						
	660		07° 26' 39" +180	+15.5°	+0.5	-		+0.5	1330.8		BS	-608	-257				
	660				+3.8	TH	-3.3	+0.5			BS						
659	495		3° 47'	+15.5°	7.4	89° 30'	+4.3	-3.1		1327.7		+467	+163	362,874	1,837,091		
660	330		2° 38'	" "	6.6	89° 30'	+2.9	-3.7		1327.1		+314	+103	362,721	1,837,031		
661	165		00° 18'	" "	6.0	89° 30'	+1.4	-4.6		1326.2		+159	+45	362,566	1,836,973		
662	0				5.4	-		-5.4		1325.4	X	0	0	362,407	1,836,928		
663	165		168° 38'	+15.5°	7.1	89° 30'	+1.4	-5.7		1325.1		-165	-12	362,242	1,836,916		
664	330		" "	" "	9.7	89° 30'	+2.9	-6.8		1324.0		-329	-24	362,078	1,836,904		
665	495		167° 21'	" "	11.7	89° 30'	+4.3	-7.4		1323.4		-494	-25	361,913	1,836,903		
666	660		166° 47'	" "	8.0	-		-8.0		1322.8		-659	-26	361,748	1,836,902		
TP	739		165° 34' 04"	" "	8.4	-		-8.4		1322.4	TP	-739	-14	361,669	1,836,915	IF TPO EAST.	
	TP				12.1	TH	+3.7	-8.4			TP						
	1249		348° 38' 37" -180	+15.5°	+6.2	89° -	-21.8	-15.6	1306.8		BS	-1246	-90				
	1249			" "	+2.5	89° 10'	-18.2	-15.7			BS						
667	1157		348° 26'	" "	5.4	89° -	+20.2	+14.8		1321.6		+1154	+79	361,577	1,836,905		
668	990		" "	" "	4.8	89° -	+17.3	+12.5		1319.3		+988	+68	361,411	1,836,894		

SURVEY NOTES-HIGH RESOLUTION DATA
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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-22-82		B. Cotcamp		M. Knapp		6834		MAC Jon		6		48			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIFORNIA		NEWHALL- 7 1/2		CALIF.		L.A.								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
									1306.8						
669	825		348° 26'	+15.5	6.4	-		-6.4		1300.4		+823	+57	361,246	1,836,883
670	660		" "	" "	7.2	-		-7.2		1299.6		+658	+45	361,081	1,836,871
671	495		348° 26'	" "	6.6	-		-6.6		1300.2		+494	+34	360,917	1,836,860
672	330		" "	" "	5.6	-		-5.6		1301.2		+329	+23	360,752	1,836,849
673	165		" "	" "	5.0	-		-5.0		1301.8		+165	+11	360,588	1,836,837
674	0				5.4	-		-5.4		1301.4	TP	0	0	360,423	1,836,826
675	165		168° 00'	+15.5	7.3	-		-7.3		1299.5		-165	-10	360,258	1,836,816
IF	328		165° 45' 05"	" "	9.4	-		-9.4		1297.2	IF	-	-		
676	330		168° 00'	" "	9.5	-		-9.5		1297.3		-329	-20	360,094	1,836,806
677	495		" "	" "	11.5	-		-11.5		1295.3		-494	-30	359,929	1,836,796
678	660		" "	+15.5	12.3	-		-12.3		1294.5		-659	-40	359,764	1,836,786
679	825		" "	" "	9.7	BH	-4.1	-13.8		1293.0		-823	-50	359,600	1,836,776
680	990		" "	" "	9.9	BH	-5.0	-14.9		1291.9		-988	-60	359,435	1,836,766
681	1160		167° 52' 21"	" "	9.8	BH	-5.8	-15.6		1291.2	TP	-1158	-68	359,265	1,836,759
681	1160				12.2	90° 10'	-3.4	-15.6			TP				
	660		342° 08' 25" - 180	+15.5	+10.9	-		+10.9	1302.1		BS	-659	+28		
	660				+7.6	BH	+3.3	+10.9			BS				
682	495		341° 13'	+15.5	12.3	-		-12.3		1289.8		+494	-28	359,100	1,836,760
683	330		338° 29'	" "	12.4	-		-12.4		1289.7		+328	-35	358,924	1,836,733

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
3-22-82		B. Cotcamp		M. Knapp		6834		MPK Jm		6	49						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
CALIF.		NRUMALL-7 1/2	CALIFORNIA	LOS ANGELES					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		
									1302.1								
684	165		332° 53'	+15.5	9.9	-		-9.9		1392.2		+162	-33	358,768	1,836,755		
685	0				5.4	-		-5.4		1296.7	TP	0	0	358,606	1,836,788		
686	165		149° 54'	+15.5	2.4	-		-2.4		1299.7		-160	+42	358,446	1,836,830		
687	330		" "	" "	2.2	TM	+1.7	-0.5		1301.6		-319	+83	358,287	1,836,871		
688	495		" "	" "	5.9	89°	+8.6	+2.7		1304.8		-479	+125	358,127	1,836,913		
689	662		" "	" "	6.1	88° 50'	+13.5	+7.4		1309.5		-641	+167	357,965	1,836,955		
690	827		150° 28'	+15.5	5.2	88° 50'	+16.8	+11.6		1313.7		-802	+201	357,804	1,836,999		
691	995		150° 33'	" "	8.4	88° 50'	+20.3	+11.9		1314.0		-966	+240	357,640	1,837,028		
TP	1043		150° 13' 02"	" "	8.8	88° 50'	+21.2	+12.4		1314.5	IF	-1011	+257	357,595	1,837,045	IF TRD west EL 1313.6	
TP	1043				5.8	89°	+18.2	+12.4			IF					y-357,595 Horiz y-34 x-1,837,045 Coord. x-40	
	282																
	282		355° 37' 42" -18°	+15.5	+9.1	87° 20'	-13.1	-4.0	1310.5		BS	-276	-54				
	282				+9.9	87° 10'	-13.9	-4.0			BS	+2					
692	166		01° 44'	+15.5	4.8	88° 10'	+5.3	+0.5		1311.0		+159	+49	357,480	1,837,040		
693	0				5.4	-		-5.4		1305.1	TP	0	0	357,321	1,836,991		
694	165		186° 30'	+15.5	8.3	91° 30'	-4.3	-12.6		1297.9		-153	-62	357,168	1,836,929		
695	330		" "	" "	6.6	91° 30'	-8.6	-15.2		1295.3		-306	-124	357,015	1,836,867		
696	495		186° 30' 06"	" "	3.5	91° 30'	-13.0	-16.5		1294.0	TP	-459	-185	356,864	1,836,806		
696	495				2.1	91° 40'	-14.4	-16.5			TP	+2					

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-23-82		B. Cotcamp		M. Knapp		6834		MPK Jm		6		50			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIF.		NEW HALL-7 1/2		CALIFORNIA		Los Angeles								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
										1294.0					
	1156		08° 30' 36" +180	+15.5°	+9.9	89° -	-20.2	-10.3	1283.7		BS	-1056	-470		
	1156				+6.5	89° 10'	-16.8	-10.3		BS					
697	990		08° 28'	+15.5°	8.6	89° 10'	+14.4	+5.8		1289.5		+905	+402	356,715	1,836,738
698	825		" "	" "	11.5	89° 10'	+12.0	+0.5		1284.2		+754	+335	356,564	1,836,671
699	660		" "	" "	11.0	89° 10'	+9.6	-1.4		1282.3		+603	+268	356,413	1,836,604
700	495		09° 47'	" "	8.6	89° 10'	+7.2	-1.4		1282.3		+448	+211	356,258	1,836,547
701	330		11° 23'	+15.5°	8.9	89° 10'	+4.8	-4.1		1279.6		+294	+149	356,104	1,836,485
702	165		11° 09'	" "	9.5	89° 10'	+2.4	-7.1		1276.6		+147	+74	355,957	1,836,410
703	0				5.4	-		-5.4		1278.3	X	0	0	355,810	1,836,336
704	165		176° 26'	+15.5°	11.9	89° 10'	+2.4	-9.5		1274.2		-161	-34	355,649	1,836,302
705	330		" "	" "	11.9	89° 10'	+4.8	-7.1		1276.6		-323	-68	355,487	1,836,268
706	495		" "	" "	10.2	89° 10'	+7.2	-3.0		1280.7		-484	-102	355,326	1,836,234
707	660		176° 26' "	+15.5°	12.3	89° 10'	+9.6	-2.7		1281.0		-646	-136	355,164	1,836,200
708	824		176° 48' 06"	" "	5.0	-		-5.0	1278.7		TP	-805	-176	355,006	1,836,160
708	824				9.1	TM	+4.1	-5.0		TP					
	825		15° 19' 14" +180	+15.5°	+4.9	88° 30'	-21.6	-16.7	1262.0		BS	-708	-423		
	825				+7.3	88° 20'	-24.0	-16.7		BS					
709	660		16° 55'	+15.5°	9.7	88° 20'	+19.2	+9.5		1271.5		+557	+354	354,856	1,836,091
710	495		" "	" "	12.0	88° 40'	+11.5	-0.5		1261.5		+418	+265	354,717	1,836,002
711	330		" "	" "	10.1	88° 40'	+7.7	-2.4		1259.6		+279	+177	354,578	1,835,914

SURVEY NOTES-HIGH RESOLUTION DATA
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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-23-82		B. Cotcamp		M. Knapp		6834		MPK Jm		6		51			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIF.		NEW HALL- 7 1/2		CALIFORNIA		Los Angeles								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
									1262.0						
712	165		16° 55'	+15.5°	7.2	88° 40'	+3.8	-3.4		1258.6		+139	+88	354,438	1,835,825
713	0				5.4	-		-5.4		1256.6	TP	0	0	354,299	1,835,737
714	165		198° 05'	+15.5°	6.9	-		-6.9		1255.1		-137	-91	354,162	1,835,646
715	330		" "	" "	10.2	-		-10.2		1251.8		-275	-183	354,024	1,835,554
716	492		200° 07' 24"	" "	4.9	90° 40'	-5.7	-10.6		1251.4	TP	-400	-287	353,900	1,835,450
716	492				3.4	90° 50'	-7.2	-10.6			TP				BEHIND CORN
	721		353° 26' 01" -180°	+15.5°	+8.5	89° -	-12.6	-4.1	1247.3		BS	-712	-112		
	721				+6.4	89° 16'	-10.5	-4.1			BS				
717	557		351° 57'	+15.5°	7.7	89° -	+9.7	+2.0		1249.3		+552	+72	353,741	1,835,410
718	393		" "	" "	5.0	89° -	+6.9	+1.9		1249.2		+390	+51	353,579	1,835,389
719	229		" "	" "	4.4	89° -	+4.0	-0.4		1246.9		+227	+30	353,416	1,835,368
14	220		355° 04' 13"	" "	4.1	89° -	+3.8	-0.3		1247.0		-	-		
720	63		357° 52'	" "	5.2	89° -	+1.1	-4.1		1243.2		+61	+15	353,250	1,835,353
TP	0				5.4	-		-5.4		1241.9	TP	0	0	353,189	1,835,338
721	111		217° 05'	+15.5°	3.0	97° -	-13.4	-16.4		1230.9		-67	-88	353,122	1,835,250
722	273		216° 35'	" "	4.1	93° -	-14.3	-18.4		1228.9		-168	-215	353,021	1,835,123
723	440		216° 51'	" "	6.9	91° 50'	-14.1	-21.0		1226.3		-269	-348	352,920	1,834,990
TP	500		215° 34' 47"	" "	5.5	91° 30'	-13.1	-18.6			TP	-314	-389	352,876	1,834,949
TP	500				6.9	91° 20'	-11.6	-18.5		1228.8	TP				

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE 3-23-82	INSTRUMENT MAN B. Cotcamp	ROD MAN M. Knapp	PARTY NUMBER 6834	NOTES CHECKED BY MPK Jm	LINE NO. 2	PAGE 52
AREA CALIF.	TOPO MAP NEWMALL- 7 1/2'	STATE CALIFORNIA	COUNTY L. A.	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
										1228.8					
	790		102° 53' 22" +180	+15.5°	+11.7	84	+4.0	+15.7	1244.5		BS	+376	-695		
	790				+13.3	90° 10'	+2.3	+15.6			BS				
724	659		102° 12'	+15.5°	8.3	90° 30'	-5.8	-14.1		1230.4		-306	+583	352,947	1,834,837 BACK ON ROAD
725	495		160° 49'	" "	7.8	90° 30'	-4.3	-12.1		1232.4		-219	+444	353,034	1,834,698
726	330		99° 54'	" "	7.0	90° 30'	-2.9	-9.9		1234.6		-142	+298	353,111	1,834,552
727	165		97° 41'	" "	5.9	90° 30'	-1.4	-7.3		1237.2		-65	+152	353,188	1,834,406
728	0				5.4	-		-5.4		1239.1	X	0	0	353,253	1,834,254
729	165		250° 58'	+15.5°	8.8	90° 30'	-1.4	-10.2		1234.3		-10	-165	353,243	1,834,089
730	330		253° 33'	" "	7.0	90° 30'	-2.9	-9.9		1234.6		-5	-330	353,248	1,833,924
731	495		255° 20'	" "	7.0	90° 30'	-4.3	-11.3		1233.2		+7	-495	353,260	1,833,759
731	532		255° 23' 41"	" "	6.5	90° 30'	-4.6	-11.1		1233.4	TP	+8	-532	353,261	1,833,722 RED SOUTH
732	629		246° 21' 17"	" "	6.1	90° 30'	-5.5	-11.6		1232.9	TP	-89	-623	353,165	1,833,631 AROUND CORNER
732	629				4.3	90° 40'	-7.3	-11.6			TP				
	986		07° 59' 20" +180	+15.5°	+4.9	74	-4.9	± 0.07	1232.9		BS	-904	-393		
	986				+5.7	89° 40'	-5.7	± 0.07			BS				
733	823		08° 27'	+15.5°	6.7	89° 30'	+7.2	+0.5		1233.4		+752	+334	353,014	1,833,572
734	660		" "	" "	7.4	89° 30'	+5.8	-1.6		1231.3		+603	+268	352,865	1,833,506
735	495		08° 49'	" "	7.0	89° 30'	+4.3	-2.7		1230.2		+451	+204	352,713	1,833,442
736	330		11° 58'	" "	7.0	89° 30'	+2.9	-4.1		1228.8		+293	+152	352,555	1,833,390
737	165		13° 45'	" "	7.1	89° 30'	+1.4	-5.7		1227.2		+144	+81	352,406	1,833,319

SURVEY NOTES-HIGH RESOLUTION DATA
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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
3-23-82		B. Cotcamp		M. Knapp		6834		MPK dm		6	53			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
CALIF.		NEUMALL-7 1/2'		CALIFORNIA		Los Angeles					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.	
									1232.9					
738	0				5.4	-		-5.4		1227.5	T	0	0	352,262 1,833,238
739	165		188° 32'	+15.5°	8.9	89° 30'	+1.4	-7.5		1225.4		-151	-67	352,111 1,833,171
740	330		" "	" "	12.9	89° 30'	+2.9	-10.0		1222.9		-301	-134	351,961 1,833,104
741	495		" "	" "	6.7	90° 40'	-5.8	-12.5		1220.4		-452	-202	351,810 1,833,036
742	660		188° 33'	" "	7.2	90° 20'	-3.8	-11.0		1221.9		-603	-269	351,659 1,832,969
743	825		188° 58' 45"	" "	4.8	90° 20'	-4.8	-9.6		1223.3	TP	-751	-342	351,512 1,832,896 ACROSS STATION
743	825				2.4	90° 30'	-7.2	-9.6			TP			
	500		02° 15' 16" +186°	+15.5°	+6.4	89° -	-8.7	-2.3	1221.0		BS	-476	-152	
	500				+4.9	89° 10'	-7.3	-2.4			BS			
744	330		04° 20'	+15.5°	6.5	88° 50'	+6.7	+0.2		1221.2		+310	+112	351,347 1,832,956
745	165		" "	" "	8.1	88° 50'	+3.4	-4.7		1216.3		+155	+56	351,192 1,832,800
746	0				5.4	-		-5.4		1215.6	T	0	0	351,037 1,832,744 LAST STA. ON ROAD
747	160		175° 53'	+15.5°	9.8	90° 30'	-1.4	-11.2		1209.8		-157	-32	350,800 1,832,712
748	325		173° 03'	" "	10.9	90° 30'	-2.8	-13.7		1207.3		-321	-48	350,716 1,832,696
749	490		172° 59'	" "	11.7	90° 30'	-4.3	-16.0		1205.0		-485	-72	350,552 1,832,672
750	653		172° 43'	" "	10.9	90° 30'	-5.7	-16.6		1204.4		-646	-93	350,391 1,832,651
751	816		172° 00' 38"	15.1	8.2	90° 30'	-7.1	-15.3		1205.7	TP	-810	-101	350,228 1,832,643 BACK ON ROAD
751	816				10.6	90° 20'	-4.7	-15.3			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE 3-23-82	INSTRUMENT MAN B. Cotcamp	ROD MAN M. Knapp	PARTY NUMBER 6834	NOTES CHECKED BY MKK dm	LINE NO. 6	PAGE 54
AREA CALIF.	TOPO MAP NEW HALL- 7 1/2'	STATE CALIFORNIA	COUNTY L. A.	TWP	RANGE	PPM
PARTY MANAGER L. DAVIS						

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
										1205.7						
	325		334° 41' 19" - 180°	+15.1°	+2.6	TH	-1.6	+1.0	1206.7		BS	-320	+58			
	325				+6.6	89°	-5.7	+0.9		BS						
752	165		347° 29'	+15.1°	4.2	89°	+2.8	-1.4		1205.3		+160	+7	350,069	1,832,708	
753	0				5.4	-		-5.4		1201.3	TP	0	0	349,909	1,832,701	
754	165		194° 41'	+15.1°	7.1	-		-7.1		1199.6		-143	-82	349,766	1,832,619	
755	330		188° 42'	"	9.0	-		-9.0		1197.7		-302	-133	349,607	1,832,568	
756	491		190° 13' 58"	"	12.1	-		-12.1		1194.6	TP	-444	-210	349,466	1,832,491	
756	491				9.6	BH	-2.5	-12.1			TP					
	959		01° 01' 01" + 180°	+15.1°	+8.4	TH	-4.8	+3.6	1198.2		BS	-921	-266			
	959				+6.4	89° 50'	-2.8	+3.6		BS						
757	820		05° 37'	+15.1°	3.1	-		-3.1		1195.1		+767	+290	349,313	1,832,515	
758	660		07° 42'	"	3.7	-		-3.7		1194.5		+608	+256	349,154	1,832,481	
759	495		06° 05'	"	6.2	TH	+2.5	-3.7		1194.5		+462	+179	349,008	1,832,404	
760	330 330 ^{BCC}		06° 14'	"	5.9	TH	+1.7	-4.2		1194.0		+307	+120	348,853	1,832,345	
761	765 165 ^{BCC}		" "	"	5.3	-		-5.3		1192.9		+154	+60	348,700	1,832,285	
762	0				5.4	✓		-5.4		1192.8	TP	0	0	348,546	1,832,225	
763	165		204° 01'	+15.1°	5.1	-		-5.1		1193.1		-128	-104	348,418	1,832,121	
764	330		206° 53'	"	4.2	-		-4.2		1194.0		-245	-221	348,301	1,832,004	
765	490		204° 15'	"	5.2	-		-5.2		1193.0		-379	-311	348,167	1,831,914	

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE 3-23-82	INSTRUMENT MAN B. Cotcamp	ROD MAN M. KNAPP	PARTY NUMBER 6834	NOTES CHECKED BY MPK dm	LINE NO. 6	PAGE 55
AREA CALIFORNIA	TOPO MAP NEWHALL-7 1/2'	STATE CALIF.	COUNTY Los Angeles	TWP	RANGE	PPM
				PARTY MANAGER L. DAVIS		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
766	649		199° 08' 56"	+14.8°	6.3	-		-6.3	1198.2	1191.9	TP	-538	-362	348,009	1,831,863	Around
766	649				3.1	BM	-3.2	-6.3			TP					corner
	495		344° 43' 25" -180	+14.8°	+5.7	88° -	-17.3	-11.6	1180.3		BS	-495	+4			
	495				+7.1	87° 50'	-18.7	-11.6			BS					
767	330		342° 22'	+14.8°	7.2	88° 40'	+7.7	+0.5		1180.8		+330	-16	347,845	1,831,851	
768	165		339° 04'	" "	4.7	89° -	+2.9	-1.8		1178.5		+164	-18	347,679	1,831,849	
769	0				5.4	-		-5.4		1174.9	T	0	0	347,515	1,831,867	
770	165		148° 02'	+14.8°	9.9	-		-9.9		1170.4		-158	+49	347,357	1,831,916	
771	330		" "	" "	12.3	-		-12.3		1168.0		-315	+97	347,200	1,831,964	
772	495		" "	" "	11.9	BM	-2.5	-14.4		1165.9		-473	+146	347,042	1,832,013	
773	661		149° 24' 37"	" "	12.4	BM	-3.3	-15.7		1164.6	TP	-636	+180	346,880	1,832,047	
773	661		" "	" "	11.9	90° 20'	-3.8	-15.7			TP					
	817		317° 08' 54" -180	" "	+6.0	-		+6.0	1170.6		BS	-721	+384			
	817				+10.1	TH	-4.1	+6.0			BS					
774	650		316° 32'	+14.8°	6.9	-		-6.9		1163.7		+570	-312	346,730	1,832,119	
775	488		312° 38'	" "	9.3	-		-9.3		1161.3		+411	-263	346,571	1,832,168	
776	328		308° 25'	" "	13.5	-		-13.5		1157.1		+263	-196	346,423	1,832,235	
777	165		313° 39'	" "	8.0	91° 10'	-3.4	-11.4		1159.2		+141	-86	346,301	1,832,345	
778	0				5.4	-		-5.4		1165.2	A	0	0	346,160	1,832,431	

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-23-82		B. Cotcamp		M. Knapp		6834		MPK Jm		6		56			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIF.		NPMALL-7 1/2'		CALIFORNIA		Los Angeles								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
									1170.6						
779	165		159° 04'	+14.8°	7.1	91° 10'	-3.4	-10.5		1160.1		-164	+18	345,946	1,832,449
780	328		164° 59'	" "	7.2	90° 40'	-3.8	-11.0		1159.6		-328	+1	345,832	1,832,432
781	490		170° 15'	" "	5.6	90° 40'	-5.7	-11.3		1159.3		-488	-43	345,672	1,832,388
782	651		169° 39'	" "	5.6	90° 30'	-5.7	-11.3		1159.3		-649	-51	345,511	1,832,380
783	813		167° 51' 48"	+14.5	5.6	90° 30'	-7.1	-12.7			TP	-812	-34	345,349	1,832,397
783	813				7.9	90° 20'	-4.7	-12.6		1158.0	TP	+1			
	165		315° 40' 34" -180	+14.5	+6.3	-		+6.3	1164.3		BS	-143	+82		
	165				+5.5	BM	+0.8	+6.3			BS				
784	0				5.4	-		-5.4		1158.9	X	0	0	345,207	1,832,479
785	165		174° 17'	+14.5	5.3	-		-5.3		1159.0		-163	-25	345,044	1,832,454
786	327		184° 42' 00"	+14.9	8.1	TH	+1.6	-6.5			TP	-308	-110	344,900	1,832,368
786	327				12.1	89°	+5.7	-6.4		1157.9	TP				
	495		15° 38' 37" +180	+14.9	+0.9	-		+0.9	1158.8		BS	-426	-252		
	495				+3.4	TH	-2.5	+0.9			BS				
787	330		12° 51'	+14.9	7.2	89° 10'	+4.8	-2.4		1156.4		+292	+154	344,767	1,832,269
788	165		07° 05'	" "	6.6	89° 10'	+2.4	-4.2		1154.6		+153	+62	344,628	1,832,177
789	0				5.4	-		-5.4		1153.4	X	0	0	344,475	1,832,115
790	165		180° 23'	+14.9	7.3	-		-7.3		1151.5		-159	-43	344,316	1,832,072
791	330		177° 36'	" "	8.8	-		-8.8		1150.0		-322	-71	344,153	1,832,044

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
3-23-82		B. Cotcamp		M. KNAPP		6834		MPK Jm		6	57						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
CALIF.		New HALL- 7 1/2'	CALIFORNIA	L. A.					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		
									1158.8								
792	495		176° 14' 48"	+14.4	10.3	-	-16.3		1148.5		TP	-486	-91	343,990	1,832,023		
792	495				8.9	90° 10'	-1.4	-16.3			TP						
	1156		354° 06' 02" -180	+14.4	+13.9	89°	-20.2	-6.3			BS	-1143	-171				
	1156				+10.6	89° 10'	-16.8	-6.2	1142.3		BS						
793	990		354° 06'	+14.4	7.3	89° 20'	+11.5	+4.2	1146.5			+979	+146	343,827	1,831,997		
794	825		" "	" "	7.0	89° 20'	+9.6	+2.6	1144.9			+816	+122	343,664	1,831,973		
795	660		" "	" "	6.2	89° 20'	+7.7	+1.5	1143.8			+653	+98	343,501	1,831,949		
796	495		354° 06'	" "	6.0	89° 20'	+5.8	-0.2	1142.1			+490	+73	343,338	1,831,924		
797	330		" "	" "	6.0	89° 20'	+3.8	-2.2	1140.1			+326	+49	343,174	1,831,900		
798	165		" "	" "	5.3	89° 20'	+1.9	-3.4	1138.9			+163	+24	343,011	1,831,875		
799	0				5.4	-	-5.4		1136.9		X	0	0	342,848	1,831,851		
800	165		175° 52'	+14.4	6.5	-	-6.5		1135.8			-162	-29	342,686	1,831,822		
801	330		" "	" "	8.3	-	-8.3		1134.0			-325	-59	342,523	1,831,792		
802	495		" "	" "	11.1	-	-11.1		1131.2			-487	-88	342,361	1,831,763		
803	660		" "	" "	7.7	90° 30'	-5.8	-13.5	1128.8			-649	-118	342,199	1,831,733		
804	825		175° 06'	+14.4	7.0	90° 30'	-7.2	-14.2	1128.1			-814	-136	342,034	1,831,715		
805	990		175° 30'	" "	8.5	90° 10'	-2.9	-11.4	1130.9			-975	-170	341,873	1,831,681		
806	1160		175° 19' 09"	" "	9.0	90° 10'	-3.4	-12.4	1129.9		TP	-1143	-196	341,706	1,831,654	ACROSS STA	
806	1160				12.4	-	-12.4				TP						

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
3-23-82		B. Cotcamp		M. Knapp		6834		MDK dm		6		58				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
CALIFORNIA		VIEWHALL- 7 1/2'		CALIFORNIA		L. A.								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
	980		04° 49' 24" +180	+14.4	+1.5	TM	-4.9	-3.4	1126.5	1129.9	BS	-925	-323			
	980				+2.3	89° 40'	-5.7	-3.4			BS	+1				
807	813		01° 42'	+14.4	5.6	89° 30'	+7.1	+1.5		1128.0		+781	+225	341,563	1,831,555	
808	652		359° 31'	" "	6.3	89° 30'	+5.7	-0.6		1125.9		+633	+157	341,415	1,831,487	
809	492		02° 33'	" "	6.5	89° 30'	+4.3	-2.2		1124.3		+471	+143	341,253	1,831,473	AROUND CORNER
810	330		06° 09'	" "	5.3	89° 30'	+2.9	-2.4		1124.1		+309	+116	341,091	1,831,446	
811	165		15° 30'	" "	5.7	89° 30'	+1.4	-4.3		1122.2		+143	+82	340,925	1,831,412	
812	0				5.4	-		-5.4		1121.1	X	0	0	340,782	1,831,330	
813	165		193° 12'	+14.4	8.2	89° 30'	+1.4	-6.8		1119.7		-146	-76	340,636	1,831,254	
814	330		" "	" "	10.9	89° 30'	+2.9	-8.0		1118.5		-292	-153	340,490	1,831,177	AROUND CORNER
815	492		190° 24'	" "	8.0	90° 10'	+1.4	-9.4		1117.1		-447	-206	340,335	1,831,124	
816	650		184° 45'	" "	7.9	90° 10'	-1.9	-9.8		1116.7		-614	-213	340,168	1,831,117	
817	811		182° 41'	" "	6.8	90° 10'	-2.4	-9.2		1117.3		-775	-238	340,007	1,831,092	
818	980		182° 22' 49"	+14.7	7.0	90° 10'	-2.9	-9.9		1116.6	TP	-937	-288	339,846	1,831,041	
818	980				4.2	90° 20'	-5.7	-9.9			TP					
	991		343° 16' 14" -180	+14.7	+5.7	-		+5.7	1122.3		BS	-990	+35			
	991				+10.7	TM	-5.0	+5.7			BS					
819	1008		343° 40' 06"	+14.7	5.8	-		-5.8		1116.5	Power Line	+1008	-29	339,865	1,831,046	Power Line Intersect with Road
819	825		344° 28'	" "	10.0	TM	+4.1	-5.9		1116.4		+825	-12	339,682	1,831,063	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
3-23-82		B. Cotamp		M. KNAPP		6834		MPK dm		6	59				
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
CALIFORNIA		New hall - 7 1/2'	CALIFORNIA	Los Angeles					L. DAVIS						
STATION NO.	SLOPE DISTANCE	PLOTING 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
									1122.3						
820	660		344° 28'	+14.7°	8.7	TM	+3.3	-5.4		1116.9		+660	-10	339,517	1,831,065
821	495		" "	" "	7.4	TM	+2.5	-4.9		1117.4		+495	-7	339,352	1,831,068
822	330		" "	" "	7.0	TM	+1.7	-5.3		1117.0		+330	-5	339,187	1,831,070
823	165		" "	" "	6.2	TM	+0.8	-5.4		1116.9		+165	-2	339,022	1,831,073
824	0				5.4	-		-5.4		1116.9	X	0	0	338,857	1,831,075
825	165		164° 13'	+14.7°	5.3	-		-5.3		1117.0		-165	+3	338,692	1,831,078
826	330		" "	" "	4.8	-		-4.8		1117.5		-330	+6	338,527	1,831,081
827	495		" "	" "	7.0	TM	+2.5	-4.5		1117.8		-495	+9	338,362	1,831,084
828	660		" "	" "	7.5	TM	+3.3	-4.2		1118.1		-660	+12	338,197	1,831,087
829	825		" "	" "	8.5	TM	+4.1	-4.4		1117.9		-825	+16	338,032	1,831,091
830	990		164° 13'	" "	9.6	TM	+5.0	-4.6		1117.7		-990	+19	337,867	1,831,094
831	1159		164° 20' 06"	" "	4.8	-		-4.8		1117.5	TP	-1159	+20	337,699	1,831,094
831	1159				10.6	TM	+5.8	-4.8			TP				Around corner
	650		307° 04' 35" - 180°	+14.7°	+0.8	89° -	-11.3	-10.5	1107.0		BS	-511	+402		" "
	650				+2.7	88° 50'	-13.2	-10.5			BS				" "
832	490		304° 49'	+14.7°	6.9	89° -	+8.6	+1.7		1108.7		+373	-318	337,562	1,831,177
833	330		310° 08'	" "	7.3	89° -	+5.8	-1.5		1105.5		+270	-190	337,459	1,831,305
834	165		318° 27'	" "	7.2	89° -	+2.9	-4.3		1102.7		+147	-75	337,336	1,831,420
835	0				5.4	-		-5.4		1101.6	X	0	0	337,189	1,831,495

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-23-82		B. Cotcamp		M. KNAPP		6834		MPK <i>Jm</i>		6		60			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIF.		Newhall - 7 1/2'		CALIFORNIA		Los Angeles								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
									1107.0						
836	165		138° 49'	+14.7°	8.0	89°	+2.9	-5.1		1101.9		-148	+74	337,041	1,831,569
837	330		" "	" "	10.2	89°	+5.8	-4.4		1102.6		-295	+147	336,894	1,831,642
838	495		" "	" "	13.2	89°	+8.6	-4.6		1102.4		-443	+221	336,746	1,831,716
839	660		138° 48' 44"	" "	4.6	-		-4.6		1102.4	TP	-591	+294	336,599	1,831,788
839	660				1.3	BM	-3.3	-4.6			TP				
	661		318° 40' 31" - 180	+14.7°	+1.6	92°	+23.1	+24.7	1127.1		BS	-591	+296		
	661				+13.2	91°	+11.5	+24.7			BS				
840	495		318° 41'	+14.7°	7.2	92°	-17.3	-24.5		1102.6		+443	-222	336,452	1,831,861
841	330		" "	" "	12.1	92°	-11.5	-23.6		1103.5		+295	-148	336,304	1,831,935
842	165		" "	" "	12.1	93°	-8.6	-20.7		1106.4		+148	-74	336,157	1,832,009
843	0				5.4	-		-5.4		1121.7	X	0	0	336,009	1,832,083 Around corner
844	165		109° 01'	+14.7°	7.9	87° 40'	+6.7	-1.2		1125.9		-92	+137	335,917	1,832,220
845	330		113° 12'	" "	12.4	87° 40'	+13.4	+1.0		1128.1		-203	+260	335,800	1,832,343 Around corner 90
846	422		133° 52' 44"	+14.9°	5.5	89°	+7.4	+1.9		1129.0	TP	-361	+219	335,649	1,832,301
846	422				6.7	88° 50'	+8.6	+1.9			TP				
	495		04° 28' 59" +180	+14.9°	+7.1	-		+7.1			BS	-467	-164		
	495				+4.7	BM	+2.5	+7.2	1136.2		BS				
847	330		04° 29'	+14.9°	6.6	-		-6.6		1129.6		+311	+110	335,494	1,832,246
848	165		" "	" "	5.9	-		-5.9		1130.3		+156	+55	335,339	1,832,191
849	0				5.4	-		-5.4		1130.8	X	0	0	335,183	1,832,136

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DATE 3-23-87	INSTRUMENT MAN B. Cotcamp	ROD MAN M. KNAPP	PARTY NUMBER 6834	NOTES CHECKED BY MPK dm	LINE NO. 6	PAGE 61
AREA CALIF.	TOPO MAP NEWHALL- 7 1/2'	STATE CALIF.	COUNTY Los Angeles	TWP	RANGE	PPM
PARTY MANAGER L. PAVIS						

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	
									1136.2							
850	165		184° 02'	+14.9	4.9	-		-4.9		1131.3		-156	-54	335,027	1,832,082	
851	330		" "	" "	4.6	-		-4.6		1131.6		-312	-107	334,871	1,832,029	E.O.L. LINE #6
±±	509		183° 28' 37"	" "	3.4	-		-3.4		1132.8	±±	-483	-160	334,700	1,831,975	4 Wg INT. EL. 1134.0
±±	509				5.9	TH	+2.5	-3.4			±±					Y-334,700 Horiz ±4p X-1,831,975 CORR. X=15