

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

PAGE 1 of 31

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1-14-82		B. Cotcamp		M. KNAPP		6334		MPK		2		7				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
CALIFORNIA		LANCASTER WEST		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	X
K1	4 way		INTERSECT ELEVATION		2321.0	G + Division Street			2321.0		±			448,875	1960,940	Scaled y-448,875 x-1,960,940 4way - EL. 2321.0
BS	3234		165° 04' 22"	+14.9	+14.9	89° 40'	-18.8	-3.9	2317.1		BS	+3234	-2.7			E.O.M.
BS	3234				+9.3	89° 46'	-13.2	-3.9			BS					
1	4618		164° 44' 36"	+14.9	8.3	89° 50'	+13.4	+5.1		2322.2		-4618	+29	447,444	1,960,960	
2	4290		" "	" "	7.7	89° 50'	+12.5	+4.8		2321.9		-4290	+27	447,822	1,960,958	
3	3960		" "	" "	7.1	89° 50'	+11.5	+4.4		2321.5		-3960	+25	448,152	1,960,956	
4	3630		" "	" "	6.4	89° 50'	+10.6	+4.2		2321.3		-3630	+23	448,482	1,960,954	
5	3300		164° 44' 36"	" "	6.1	89° 50'	+9.6	+3.5		2320.6		-3300	+21	448,812	1,960,952	
#	3234		165° 03' 34"	+14.9	5.7	89° 50'	+9.4	+3.7		2320.8	#	-3234	+2	448,878	1,960,933	u y-448,875 4way INT. EL. 2321.0 x-1,960,940
6	2970		164° 44' 36"	" "	5.9	89° 50'	+8.6	+2.7		2319.8		-2970	+18	449,142	1,960,949	
7	2640		" "	" "	8.9	89° 46'	+10.7	+1.8		2318.9		-2640	+16	449,472	1,960,947	
8	2310		" "	" "	8.0	89° 46'	+9.4	+1.4		2318.5		-2310	+14	449,802	1,960,945	
9	1980		" "	+14.9	7.6	89° 46'	+8.1	+0.5		2317.6		-1980	+12	450,132	1,960,943	
10	1650		" "	" "	7.0	89° 46'	+6.7	-0.3		2316.8		-1650	+10	450,462	1,960,941	
11	1320		164° 44' 36"	" "	6.8	89° 46'	+5.4	-1.4		2315.7		-1320	+8	450,792	1,960,939	
12	990		" "	" "	6.1	89° 46'	+4.0	-2.1		2315.0		-990	+6	451,122	1,960,937	
13	660		" "	+14.9	5.8	89° 46'	+2.7	-3.1		2314.0		-660	+4	451,452	1,960,935	
14	330		" "	" "	5.4	89° 46'	+1.3	-4.1		2313.0		-330	+2	451,782	1,960,933	
15	0		" "	" "	5.4	-	-	-5.4		2311.7	±	0	0	452,112	1,960,931	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-14-82		B. COFCAMP		M. KNAPP		6834		MPK		2		2			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIFORNIA		LANCASTER WEST		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
									2317.1						
16	330		344°52'33"	+14.9°	7.3	89°46'	+1.3	-6.0		2311.1		+330	-1	452,442	1,960,931
17	660		" "	"	9.5	89°46'	+2.7	-6.8		2310.3		+660	-3	452,712	1,960,928
18	990		" "	"	11.6	89°46'	+4.0	-7.6		2309.5		+990	-4	453,102	1,960,927
19	1320		" "	"	8.2	-		-8.2		2308.9		+1320	-5	453,432	1,960,926
20	1650		" "	"	9.1	-		-9.1		2308.0		+1650	-6	453,762	1,960,925
21	1980		" "	"	10.0	-		-10.0		2307.1		+1980	-8	454,092	1,960,923
#	2111		344°24'56"	+14.9°	10.5	-		-10.5		2306.6	#	+2111	-25	454,223	1,960,906
22	2310		344°53'	"	11.4	-		-11.4		2305.7		+2310	-9	454,422	1,960,922
23	2640		" "	"	11.9	-		-11.9		2305.2		+2640	-10	454,752	1,960,921
24	2970		" "	"	12.8	-		-12.8		2304.3		+2970	-11	455,082	1,960,920
25	3300		" "	"	13.5	-		-13.5		2303.6		+3300	-12	455,412	1,960,919
26	3630		344°56'52"	+14.9°	6.1	90°08'	-8.5	-14.6		2302.5		+3630	-10	455,742	1,960,921
27	3960		" "	"	5.4	90°08'	-9.2	-14.6		2302.5		+3960	-11	456,072	1,960,920
28	4290		" "	"	5.5	90°08'	-10.0	-15.5		2301.6		+4290	-11	456,402	1,960,920
IF	4759		344°41'08"	"	5.3	90°08'38"	-11.0	-16.3		2300.8	IF	+4759	-34	456,871	1,960,898
29	4618		344°56'52"	+14.8°	6.0	90°08'	-10.8	-16.8			TP	+4618	-20	456,733	1,960,904
29	4618		" "	"	11.2	90°04'	-5.4	-16.6		2300.5	TP				
	3959		165°28'24"+180°	"	+9.0	89°50'	-11.5	-2.5	2308.2		BS	+3959	+19		
	3959				+11.6	89°48'	-13.8	-2.2			BS				

y-454,215  
x-1,960,925

AWAY INT. EL. 2310

↑

LANCASTER WEST

ROSAMOND

↓

y-456,875  
x-1,960,925  
E.D.M. EL. 2301.0

E.D.M.

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-14-82		B. Cotcamp		M. Knapp		6834		MPK		2		3			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIFORNIA		ROSAMOND		CALIFORNIA		LOS								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
									2298.2						
30	3630		165° 24'	+148°	8.9	89° 50'	+10.6	+1.7		2299.9		-3630	-13	457,064	1960,903
31	3300		" "	"	8.8	87° 50'	+9.6	+0.8		2299.0		-3300	-12	457,394	1960,904
32	2970		" "	"	8.3	87° 50'	+8.6	+0.3		2298.5		-2970	-10	457,724	1960,906
33	2640		" "	"	8.0	89° 50'	+7.7	-0.3		2297.9		-2640	-9	458,054	1960,907
34	2310		" "	"	8.0	89° 50'	+6.7	-1.3		2296.9		-2310	-8	458,384	1960,908
35	1980		165° 24'	+148°	7.5	89° 50'	+5.8	-1.7		2296.5		-1980	-7	458,714	1960,909
36	1650		" "	"	7.0	89° 50'	+4.8	-2.2		2296.0		-1650	-6	459,044	1960,910
37	1320		" "	"	6.1	89° 50'	+3.8	-2.3		2295.9		-1320	-5	459,374	1960,911
≠	1143		165° 41' 56"	"	5.0	89° 53' 30"	+2.2	-2.8		2295.4	≠	-1143	-10	459,551	1960,906 4 way INT. X-1,960,945
Bm	1102		166° 57' 23"	"	3.3	-	-	-3.3		2294.9	Bm	-1101	-34	459,593	1960,882 Bm. E1154 1961 EL. 2296 U.S.G. + C.S.
38	990		165° 24'	+148°	8.8	TH	+5.0	-3.8		2294.4		-990	-3	459,704	1960,913
39	660		" "	"	7.9	TH	+3.3	-4.6		2293.6		-660	-2	460,034	1960,914
40	330		" "	"	6.5	TH	+1.7	-4.8		2293.4		-330	-1	460,364	1960,915
41	0		" "	"	5.4	-	-	-5.4		2292.8	T	0	0	460,694	1960,916
42	330		345° 36'	+148°	5.4	-	-	-5.4		2292.8		+330	+2	461,024	1960,918
43	660		" "	"	5.8	-	-	-5.8		2292.4		+660	+5	461,354	1960,921
44	990		" "	"	6.4	-	-	-6.4		2291.8		+990	+7	461,684	1960,923
45	1320		" "	"	6.6	-	-	-6.6		2291.6		+1320	+9	462,014	1960,925
46	1650		" "	"	7.2	-	-	-7.2		2291.0		+1650	+12	462,344	1960,928

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1-14-82		B. COFCAMP		M. KWAPP		6834		MIPK		2	4					
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER				
CALIFORNIA		ROSAMOND		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	X
									2298.2							
47	1980		345° 36'	+14.8°	7.7	-		-7.7		2290.5		+1980	+14	462,674	1,960,930	
48	2308		345° 35' 30"	" "	8.1	-		-8.1		2290.1		+2308	+16	463,062	1,960,932	EDM
TP	3500		345° 11' 34"	" "	9.4	-		-9.4			TP	+3500	± 0.6	464,195	1,960,910	EDM
TP	3500				13.4	89° 36'	+4.1	-9.3		2288.9	TP					TRD EAST EL. 2291.0, MAGN. CORR. - y = +9, x = -27
	1110		167° 11' 35" +186°	+14.9°	+5.0	-		+5.0		2293.9	BS	+1107	+79.1			
	1110			" "	+10.5	TH	-5.6	+4.9			BS					
49	1969		167° 00' 00"	" "	13.7	TH	+9.8	-3.9		2290.0		-1968	-65	463,334	1,960,923	
50	1645		167° 29'	" "	12.3	TH	+8.2	-4.1		2289.8		-1643	-73	463,659	1,960,915	
51	1315		168° 19' 24"	" "	11.5	TH	+6.6	-4.9		2289.0		-1313	-74	463,989	1,960,914	
52	985		169° 36' 24"	+14.9°	10.2	TH	+4.9	-5.3		2288.6		-982	-77	464,320	1,960,911	
53	655		172° 17'	" "	6.2	-		-6.2		2287.7		-650	-82	464,652	1,960,906	
54	325		181° 33'	" "	7.0	-		-7.0		2286.9		-312	-92	464,990	1,960,896	
55	0			" "	5.4	-		-5.4		2288.5	T	0	0	465,302	1,960,988	UP ONTO SHUTTLE ROAD
56	330		346° 20'	" "	5.1	-		-5.1		2288.8		+330	+1	465,632	1,960,989	
57	660		" "	+14.9°	5.0	-		-5.0		2288.9		+660	+3	465,962	1,960,991	
58	990		" "	" "	6.6	-		-6.6		2287.3		+990	+4	466,292	1,960,992	
59	1320		" "	" "	6.3	-		-6.3		2287.6		+1320	+5	466,622	1,960,993	
60	1650		" "	" "	5.2	-		-5.2		2288.7		+1650	+7	466,952	1,960,995	

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1-16-82		B. Cotcamp		M. Knapp		6834		MPK		2		5				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
CALIFORNIA		ROSAMOND-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	X
									2293.9							
62	1980		345° 20'	+14.9°	5.2	-		-5.2		2288.7	TP	+1980	+8	467,282	1,960,996	
62	2309		345° 19' 42"	"	5.7	-		-5.7			TP	+2309	+9 -1	467,614	1,960,996	E.D.M.
62	2309			"	12.3	89° 50'	+6.7	-5.6		2288.3	TP					
	3959		165° 07' 29" 1/2	"	+6.7	-		+6.7		2296.0	BS	+3959	+2 -1			E.D.M.
	3959			"	13.4	89° 54'	-6.9	+6.5			BS					
63	3630		165° 07'	+14.9°	6.2	-		-6.2		2288.8		-3630	-1	467,946	1,960,996	
64	3300		" "	"	6.0	-		-6.0		2289.0		-3300	-1	468,276	1,960,996	
65	2970		" "	"	5.9	-		-5.9		2289.1		-2970	-1	468,606	1,960,996	
66	2640		" "	"	5.8	-		-5.8		2289.2		-2640	-1	468,936	1,960,996	
67	2310		" "	"	5.7	-		-5.7		2289.3		-2310	-1	469,266	1,960,996	
68	1980		165° 07'	+14.9°	6.8	-		-6.8		2288.2		-1980	-1	469,596	1,960,996	
69	1650		" "	"	6.2	-		-6.2		2288.8		-1650	±0	469,926	1,960,997	
70	1406		168° 49' 41"	"	8.3	-		-8.3		2286.7	TP	-1403	-91	470,173	1,960,906	u-470,170 x-1,960,930 way EL. 2289.0
70	1320		165° 07'	"	11.9	TH	+6.6	-5.3		2289.7		-1320	±0	470,256	1,960,997	
71	990		" "	"	5.5	-		-5.5		2289.5		-990	±0	470,586	1,960,997	
72	660		" "	+14.9°	5.3	-		-5.3		2289.7		-660	±0	470,916	1,960,997	
73	330		" "	"	5.2	-		-5.2		2289.8		-330	±0	471,246	1,960,997	
74	0		" "	"	5.4	-		-5.4		2289.6	TP	0	0	471,576	1,960,997	
75	330		345° 19'	"	5.2	-		-5.2		2289.8		+330	+1	471,906	1,960,998	

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1-16-82		B. Cotamp		M. Knapp		6834		MPK		2		6			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIFORNIA		Rosamond - 7 1/2'		CALIF.		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
									2295.0						
76	660		345° 19'	+14.9°	5.0	-		-5.0		2290.0		+660	+3	472,236	1,961,006
77	990		" "	"	5.0	-		-5.0		2290.0		+990	+4	472,566	1,961,001
78	1320		" "	"	5.1	-		-5.1		2289.9		+1320	+5	472,896	1,961,002
79	1650		" "	"	5.1	-		-5.1		2289.9		+1650	+6	473,226	1,961,003
80	1980		" "	"	5.2	-		-5.2		2289.8		+1980	+7	473,556	1,961,004
81	2310		" "	+14.9°	5.3	-		-5.3		2289.7		+2310	+9	473,886	1,961,006
82	2640		345° 19'	"	5.5	-		-5.5		2289.5		+2640	+10	474,216	1,961,007
83	2970		" "	"	5.5	-		-5.5		2289.5		+2970	+11	474,546	1,961,008
84	3300		" "	"	5.4	-		-5.4		2289.6		+3300	+12	474,876	1,961,009
85	3630		345° 18' 56"	"	5.6	-		-5.6			TP	+3630	+14	475,209	1,961,010 E.D.M.
85	3630		" "	+14.9°	11.9	89° 54'	+6.4	-5.5		2289.5	TP				E.D.M.
	5275		165° 17' 12" +180	"	+10.4	-		+10.4			BS	+5275	+17		
	5275		" "	"	+13.6	89° 58'	-3.1	+10.5	2300.0		BS				
86	4950		165° 17'	"	10.2	-		-10.2		2289.8		-4950	-16	475,537	1,961,010
87	4620		" "	"	10.0	-		-10.0		2290.0		-4620	-15	475,867	1,961,011
88	4290		" "	+14.9°	10.6	-		-10.6		2289.4		-4290	-14	476,197	1,961,012
89	3960		" "	"	12.1	-		-12.1		2287.9		-3960	-13	476,527	1,961,013
90	3630		" "	"	13.0	-		-13.0		2287.0		-3630	-12	476,857	1,961,014
91	3300		" "	"	8.3	90° 06'						-3300	-11	477,187	1,961,015

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1-16-82		B. Cotcamp		M. KNAPP		6834		MPK		2		7			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIFORNIA		ROSEMOND		CALIF.		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
									2300.0						
92	2970		165° 17'	+14.9°	10.1	90° 06'	-5.2	-15.3		2284.7		-2970	-10	477,517	1,961,016
93	2640		" "	"	12.1	-		-12.1		2287.9		-2640	-8	477,847	1,961,018
94	2310		" "	"	12.1	-		-12.1		2287.9		-2310	-7	478,177	1,961,019
95	1980		" "	"	12.0	-		-12.6		2288.0		-1980	-6	478,507	1,961,020
96	1650		" "	"	11.9	-		-11.9		2288.1		-1650	-5	478,837	1,961,021
97	1320		165° 17'	+14.9°	11.9	-		-11.9		2288.1		-1320	-4	479,167	1,961,022
98	990		" "	"	11.6	-		-11.6		2288.4		-990	-3	479,497	1,961,023
99	660		" "	"	10.0	-		-10.0		2290.0		-660	-2	479,827	1,961,024
100	330		" "	"	8.2	-		-8.2		2291.8		-330	-1	480,157	1,961,025
101	0			"	5.4	-		-5.4		2294.6	T	0	0	480,487	1,961,026
#	218		318° 31' 18"	+14.9°	17.5	88° 20'	+6.3	-6.2		2293.8	#	+195	-98	480,682	1,960,928
102	330		344° 45'	"	3.2	-		-3.2		2296.8		+330	-2	480,817	1,961,024
103	660		" "	"	3.4	-		-3.4		2296.6		+660	-4	481,147	1,961,022
104	990		" "	"	6.0	-		-6.0		2294.0		+990	-6	481,477	1,961,020
105	1320		" "	"	6.1	-		-6.1		2293.9		+1320	-8	481,807	1,961,018
106	1650		" "	+14.9°	6.2	-		-6.2		2293.8		+1650	-10	482,137	1,961,016
107	1980		" "	"	6.3	-		-6.3		2293.7		+1980	-12	482,467	1,961,014
108	2310		" "	"	6.4	-		-6.4		2293.6		+2310	-14	482,797	1,961,012
109	2640		" "	"	6.5	-		-6.5		2293.5		+2640	-16	483,127	1,961,010

LOS ANGELES COUNTY  
Y=480,670 X=1,960,935  
COUNTY LINE BL. 2294.0

KERN COUNTY

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SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-16-82		B. Cotcamp		M. Knapp		6834		MPK		2		8			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIFORNIA		ROSAMOND-7 1/2		CALIF.		KERN								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
									2300.0						
110	2970		344° 45'	+14.9°	7.6	-		-7.6		2292.4		+2970	-18	483,457	1,961,008
111	3300		" "	" "	8.7	-		-8.7		2291.3		+3300	-20	483,787	1,961,006
112	3631		344° 45' 19"	+14.8°	10.9	-		-10.9		2289.1	TP	+3631	-28	484,121	1,960,996 E.D.M
112	3631				5.0	90° 05' 40"	-6.0	-11.0			TP				
	3300		164° 41' 31" +180°	+14.8°	+10.2	-		+10.2	2299.3		BS	+3300	-29		E.D.M
	3300				+13.8	89° 56'	-3.8	+10.0			BS				
113	2970		164° 42'	+14.8°	7.9	-		-7.9		2291.4		-2970	+26	484,454	1,960,991
114	2646		" "	" "	7.6	-		-7.6		2291.7		-2640	+23	484,784	1,960,988
115	2310		" "	" "	6.9	-		-6.9		2292.4		-2310	+20	485,114	1,960,985
116	1980		" "	" "	6.2	-		-6.2		2293.1		-1980	+17	485,444	1,960,982
117	1650		" "	" "	5.9	-		-5.9		2293.4		-1650	+14	485,774	1,960,979
117	1374		170° 22' 08"	+14.8°	7.3	-		-7.3		2292.0	TP	-1368	-124	486,056	1,960,841 Way EL 2292.0
118	1320		164° 42'	" "	5.2	-		-5.2		2294.1		-1320	+12	486,104	1,960,977
119	990		" "	" "	4.9	-		-4.9		2294.4		-990	+9	486,434	1,960,974
120	660		" "	" "	4.8	-		-4.8		2294.5		-660	+6	486,764	1,960,971
121	330		" "	" "	4.6	-		-4.6		2294.7		-330	+3	487,094	1,960,968
122	0				5.4	-		-5.4		2293.9	TP	0	0	487,424	1,960,965
123	330		344° 46'	+14.8°	6.4	-		-6.4		2292.9		+330	-3	487,754	1,960,962
124	660		" "	" "	7.9	-		-7.9		2291.4		+660	-5	488,084	1,960,960

SURVEY NOTES-HIGH RESOLUTION DATA

GEO: 445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-16-82		B. Cotnam		M. Knapp		6834		MPK		2		9			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIFORNIA		Rosamond-7 1/2		CALIF.		KERN								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
									2299.3						
125	990		344° 46'	+14.8°	10.5	-		-10.5		2288.8		+990	-7	488,414	1,960,958
126	1320		" "	" "	8.3	-		-8.3		2291.0		+1320	-10	488,744	1,960,955
127	1650		" "	" "	7.2	-		-7.2		2292.1		+1650	-12	489,074	1,960,953
128	1980		" "	" "	6.0	-		-6.0		2293.3		+1980	-15	489,404	1,960,950
129	2310		" "	" "	5.0	-		-5.0		2294.3		+2310	-17	489,734	1,960,948
130	2640		" "	+14.8°	4.1	-		-4.1		2295.2		+2640	-20	490,064	1,960,945
131	2970		" "	" "	5.7	-		-5.7		2293.6		+2970	-22	490,394	1,960,943
132	3300		" "	" "	8.1	-		-8.1		2291.2		+3300	-25	490,724	1,960,940
133	3631		344° 45' 37"	" "	7.1	-		-7.1		2292.2		+3631	-29	491,055	1,960,936
±	3972		342° 46' 38"	" "	7.6	-		-7.6		2291.7	TP	+3968	-168.2	491,395	1,960,795
±	3972				14.466	89° 54'	+7.0	-7.4			TP				
BS	3292		167° 09' 54" ±180°	+14.8°	+7.3	-		+7.3			BS	+3290	+113		E.O.M.
BS	3292				+13.0	89° 54'	-5.8	+7.2	2298.9		BS	-2			
134	3298		164° 44' 09"	+14.8°	6.4	-		-6.4		2292.5		-3298	+21	491,085	1,960,936
135	2970		164° 44'	+14.8°	6.0	-		-6.0		2292.9		-2970	+24	491,713	1,960,933
136	2640		" "	" "	5.4	-		-5.4		2293.5		-2640	+22	492,043	1,960,931
137	2310		" "	" "	5.2	-		-5.2		2293.7		-2310	+19	492,373	1,960,928
138	1980		" "	" "	5.1	-		-5.1		2293.8		-1980	+16	492,703	1,960,925

E.O.M.  
y=491,395 x=1,960,795  
± El. 2291.0  
Moerz CORR. -11'  
y=+21 x=-11'

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-18-82		B. Cotcamp		M. Knapp		6834		MPK		2		10			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIF.		ROSAMOND-7 1/2'		CALIF.		KERN								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
									2298.9						
139	1650		164° 44'	+14.8°	5.0	-		-5.0		2293.9		-1650	+13	493,033	1,960,922
140	1320		" "	" "	5.1	-		-5.1		2293.8		-1320	+11	493,363	1,960,920
141	990		" "	" "	4.9	-		-4.9		2294.0		-990	+8	493,693	1,960,917
142	660		" "	" "	5.0	-		-5.0		2293.9		-660	+5	494,023	1,960,914
IF	602		176° 20' 19"	+14.8°	6.3	-		-6.3		2292.6	IF	-591	-116	494,092	1,960,913 TRD west EL. 2291.0
143	330		164° 44'	" "	5.0	-		-5.0		2293.9		-330	+3	494,353	1,960,912
144	0				5.4	-		-5.4		2293.5	TP	0	0	494,683	1,960,909
145	320		344° 30'	+14.8°	5.0	-		-5.0		2293.9		+330	-4	495,013	1,960,905
146	660		" "	" "	6.9	-		-6.9		2292.0		+660	-8	495,343	1,960,901
147	990		" "	" "	4.0	-		-4.0		2294.9		+990	-12	495,673	1,960,897
148	1320		" "	" "	8.0	TH	+6.6	-1.4		2297.5		+1320	-16	496,003	1,960,893
149	1650		" "	+14.8°	7.3	TH	+8.3	+1.0		2299.9		+1650	-20	496,333	1,960,889
IF	1979		341° 34' 45"	" "	7.7	TH	+9.9	+2.2		2301.1	IF	+1975	-125	496,658	1,960,884 1/4 way y=496,095 x=1,960,755
150	1980		344° 29' 36"	" "	7.7	TH	+9.9	+2.2		2301.1		+1980	-24	496,663	1,960,885
151	2310		343° 44'	" "	8.4	TH	+11.6	+3.2		2302.1		+2309	-59	496,992	1,960,850
152	2640		343° 02'	+14.8°	4.1	TH	+13.2	+9.1		2308.0		+2638	-100	497,321	1,960,809
IF	3006		343° 07' 59"	" "	8.4	89° 30'	+26.2	+17.8		2316.7	IF	+3004	-108	497,687	1,960,801 1/4 way y=497,660 x=1,960,770
153	2965		343° 17' 48"	" "	9.8	89° 30'	+25.9	+16.1		2315.0	TP	+2963	-98	497,644	1,960,811 E.R.M.
153	2965				4.6	89° 36'	+20.7	+16.1			TP				

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
1-18-82		B. Cotamp		M. Knapp		6834		MPK		2		11							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
CALIF.		ROSAMOND/SOLEDAO MTN.		CALIF.		KERN								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				
										2315.0									
157H	1571		163° 49' 20" +180	+148°	+5.4	92° -	+54.8	+60.2	2375.2		BS	+1570.2	-38						E.O.M
+	1571				+10.0	91° 50'	+50.2	+60.2			BS								
154	1245		165° 46' 43"	+148°	9.7	91° 50'	-39.8	-49.5		2325.7		-1245	-13	497,967	1,960,760				
155	912		165° 47'	" "	9.8	92° 10'	-34.5	-44.3		2330.9		-912	-9	498,300	1,960,764				
156	584		" "	" "	13.4	92° 10'	-22.1	-35.5		2339.7		-584	-6	498,628	1,960,767				
157	253		" "	" "	8.7	93° 50'	-16.9	-25.6		2349.6		-253	-3	498,959	1,960,770				
π	0				5.4	-		-5.4		2369.8	π	0	0	499,212	1,960,773				
158	78		08° 37'	+148°	7.3	88° -	+2.7	-4.6		2370.6		+72	+31	499,284	1,960,804				
159	406		356° 03'	" "	5.3	88° -	+14.2	+8.9		2384.1		+399	+76	499,611	1,960,849				
160	719		355° 20' 28"	" "	7.2	88° -	+25.1	+17.9		2398.1	TP	+707.2	+127	499,917	1,960,900				STURN
160	719		" "	" "	9.2	87° 50'	+27.2	+18.0			TP								
	1280		159° 52' 58" +180	+148°	+1.7	TH	-6.4	-4.7	2388.4		BS	+1274.2	-119						
	1280				12.7	89° 40'	-7.4	-4.7			BS								
#	1124		165° 13' 03"	+148°	14.6	BH	-5.6	-20.2		2368.2	#	-1124	0	500,065	1,960,781				y=500,100 X INT. x=-1,960,770
161	990		165° 42'	" "	13.2	90° 28'	-8.1	-21.3		2367.1		-990	-9	500,199	1,960,772				↑
162	660		166° 25'	" "	11.6	90° 10'	-1.9	-13.5		2374.9		-660	-14	500,529	1,960,767				ROSAMOND QUAD
163	330		165° 44'	" "	10.9	90° 10'	-1.0	-11.9		2376.5		-330	-3	500,859	1,960,778				SOLEDAO MOUNTAIN QUAD
164	0				5.4	-		-5.4		2383.0	π	0	0	501,189	1,960,781				↓
165	320		326° 56'	+148°	4.9	86° 40'	+18.6	+13.7		2402.1		+304	-100	501,493	1,960,681				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
1-18-82		B. Gstamp		M. KNAPP		6834		MPK		2		12							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
CALIF.		SOLICAD MTN.		CALIF.		KERN													
STATION NO.	SLOPE DISTANCE	PLOTTING 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				
									2388.4										
166	645		331° 40'	+14.8°	10.1	86° 40'	+37.4	+27.3		2415.7		+627	-151	501,816	1,960,630				
167	960		330° 23'	"	5.1	87° -	+50.2	+45.1		2433.5		+928	-246	502,117	1,960,535				
TP	1219		327° 56' 54"	"	10.0	86° 16'	+81.3	+71.3		2459.7	TP	+1162 <sub>-2</sub>	-361	502,349	1,960,420				
TP	1219				6.5	86° 20'	+71.8	+71.3			TP								
	270		118° 49' 46" +180	+14.8°	+14.1	BM	+1.4	+15.5			BS	+262 <sub>-2</sub>	+64						
	270				+10.6	91° -	+4.7	+15.3	2476.1		BS								
168	212		186° 28'	+14.8°	12.9	91° -	-3.7	-16.6		2458.5		-198	-77	502,411	1,960,407				
X	0				5.4	-	-	-5.4		2469.7	X	0	0	502,609	1,960,494				
169	136		52° 20'	+14.8°	8.2	91° -	-2.4	-10.6		2464.5		+53	+125	502,662	1,960,609				
11	390		30° 58' 56"	"	11.6	91° -	-6.8	-18.4		2456.7	11	+272	+279	502,881	1,960,763	4 INT.			y = 502,895 x = 1,960,765
170	437		26° 58' 44"	"	3.3	91° -	-7.6	-10.9		2464.2		+326	+291	502,935	1,960,775				
TP	512		17° 49' 40"	"	2.8	-	-	-2.8		2472.3	TP	+431 <sub>-2</sub>	+276	503,638	1,960,760				
TP	512				5.4	TH	+2.6	-2.8			TP								
	1210		164° 56' 45" +180	+14.8°	+7.7	-	-	+7.7			BS								
	1210				+13.7	TH	-6.1	+7.6	2479.9		BS	+1210 <sub>-2</sub>	-5						
171	990		169° 57'	+14.8°	10.9	-	-	-10.9		2469.0		-990	+4	503,256	1,960,759				
172	660		" "	"	13.0	BM	-3.3	-16.3		2463.6		-660	+3	503,586	1,960,758				
173	330		" "	"	9.2	-	-	-9.2		2470.7		-330	+1	503,916	1,960,756				
174	0				5.4	-	-	-5.4		2474.5	X	0	0	504,246	1,960,755				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-18-62		B. Co + camp		M. KNAPP		6834		B.C.		2		13			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIF.		SOLEDAD Mtn. - 7 1/2'		CALIF.		KERW								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
									2479.9						
175	330		344° 54'	+14.8°	7.9	88° -	+11.5	+3.6		2483.5		+330	-2	504,516	1,960,753
176	660		" "	" "	11.3	88° -	+23.0	+11.7		2491.6		+660	-3	504,906	1,960,752
177	770		344° 30' 48"	" "	10.5	88° -	+26.9	+16.4		2496.3	177	+769	-9	505,015	1,960,746
TP	960		345° 30' 14'	" "	11.1	88° 6'	+30.7	+19.6		2499.5	TP	+960	+5	505,204	1,960,710
TP	960				13.9	88° -	+33.5	+19.6			TP				
	1020		165° 49' 44" +180°	+14.8°	+4.8	91° 30'	+26.7	+31.5	2531.0		BS	+1020	+11		
	1020				+7.8	91° 20'	+23.7	+31.5			BS				
177	990		165° 38'	+14.8°	7.8	91° 20'	-23.0	-30.8		2500.2		-990	-7	505,232	1,960,764
178	660		" "	" "	7.8	91° 20'	-15.4	-23.2		2507.8		-660	-5	505,562	1,960,766
179	330		" "	" "	6.4	91° 20'	-7.7	-14.1		2516.9		-330	-3	505,892	1,960,768
180	0				5.4	-		-5.4		2525.6	180	0	0	506,222	1,960,776
181	330		344° 39'	+14.8°	8.0	89° 20'	+3.8	-4.2		2526.8		+330	-3	506,552	1,960,768
181	411		344° 13' 26"	" "	4.3	89° 20'	+4.8	+0.5		2531.5	181	+411	-7	506,633	1,960,764
182	660		344° 39'	" "	9.7	89° 20'	+7.7	-2.0		2529.0		+660	-6	506,882	1,960,765
TP	780		343° 27' 13"	" "	4.2	88° 50'	+15.9	+11.7			TP	+779	-24	506,999	1,960,747
TP	780				6.5	88° 40'	+18.1	+11.6		2542.6	TP				
	2181		166° 13' 09" +180°	+14.8°	+5.1	91°	+10.9	+16.0	2558.6		BS	+2181	+39		E.D.M.
	2181				+9.7	90° 10'	+6.3	+16.0			BS				
183	1974		166° 14'	+14.8°	12.7	90° 10'	-5.7	-18.4		2540.2					

y=505,035

TRD WEST. x=1,960,750

y=506,665

TRD EAST x=1,960,760

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-19-82		B. Cotnam		M. Knapp		6834		B.C.		2		14			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIF.		SOLIDAD MTN. - 7 1/2'		CALIF.		KEARN									
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									2558.6						
184	1647		165° 46'	+14.8°	11.8	90° 10'	-4.8	-16.6		2542.0		-1647	-16	507,531	1,960,770
185	1320		" "	+14.8°	9.1	90° 30'	-11.5	-20.6		2538.0		-1320	-13	507,858	1,960,773
186	990		" "	" "	6.8	90° 30'	-8.6	-15.4		2543.2		-990	-10	508,188	1,960,776
187	660		" "	" "	10.4	90° 30'	-5.8	-16.2		2542.4		-660	-7	508,518	1,960,779
188	330		" "	" "	8.3	90° 30'	-2.9	-11.2		2547.4		-330	-3	508,848	1,960,783
189	0				5.4	-		-5.4		2553.2	π	0	0	509,178	1,960,786
190	330		346° 39'	+14.8°	7.9	89° -	+5.8	-2.1		2556.5		+330	+8	509,508	1,960,794
191	660		" "	" "	9.3	89° -	+11.5	+2.2		2560.8		+660	+17	509,838	1,960,803
192	990		" "	" "	8.5	89° -	+17.3	+8.8		2565.4		+990	+25	510,168	1,960,811
193	1320		" "	" "	13.8	89° -	+23.0	+9.2		2567.8		+1320	+33	510,498	1,960,819
194	1650		" "	" "	13.6	89° -	+28.8	+15.2		2573.8		+1649	+42	510,827	1,960,828
195	1986		" "	" "	9.8	89° -	+34.6	+24.8		2583.4		+1979	+50	511,157	1,960,836
196	2310		" "	" "	3.3	89° -	+40.3	+37.0		2595.6		+2309	+58	511,487	1,960,844
197	2638		346° 29' 12"	" "	10.0	88° 54'	+50.6	+40.6		2599.2	TP	+2637	+59	511,813	1,960,845
197	2638				13.0	88° 50'	+53.7	+40.7			TP				
	990		166° 09' 02" ±180	+14.8°	+15.0	BM	+5.0	+20.0			BS	+990	+16		
	990				+8.4	90° 40'	+11.5	+19.9	2619.1		BS				
198	660		166° 09'	+14.8°	6.3	90° 40'	-7.7	-14.0		2605.1		-660	-11	512,141	1,960,850
199	330		" "	" "	3.9	90° 40'	-3.8	-7.7		2611.4		-330	-5	512,471	1,960,856

ACROSS STA.

F.I.M.

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE			
1-19-82		B. Cot camp		M. Knapp		6834		B.C.			2		15			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
CALIF.		SOLEDAD Mtn - 7 1/2		CALIF.		KERN								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
41	198		166° 25' 42"	+14.8°	3.6	90° 10'	-0.6	-4.2	2619.1		41	-198	-4	512,608	1,960,857	ROAD y-512,610 x-1,960,830
200	0				5.4	-		-5.4		2613.7	T	0	0	512,801	1,960,861	
201	330		344° 26'	+14.8°	9.4	91° -	-5.8	-15.2		2603.9		+330	-4	513,131	1,960,857	
202	660		" "	" "	2.5	91° -	-11.5	-14.0		2605.1		+660	-9	513,461	1,960,852	
IF	1090		344° 28'	" "	10.6	-		-10.6		2608.5	IF	+1090	-14	513,891	1,960,847	TRD EAST y-513,905 x-1,960,840
203	990		344° 26'	" "	13.8	-		-13.8		2605.3		+990	-13	513,791	1,960,848	
204	1320		344° 26' 22"	+15.1°	9.2	-		-9.2		2609.9	TP	+1320	-11	514,119	1,960,850	
204	1320		" " " "	+15.1°	2.6	84	-6.6	-9.2			TP					
	2907		164° 37' 54" +180	" "	+5.0	92° 20'	+118.3	+123.3	2733.2		BS	+2905	-14			
	2907		" " " "	" "	+11.8	92° 12'	+111.5	+123.3			BS					
205	2577		164° 38'	" "	10.1	92° 20'	-104.8	-114.9		2618.3		-2577	+12	514,445	1,960,848	
206	2247		" "	" "	6.1	92° 34'	-100.5	-106.6		2626.6		-2247	+10	514,775	1,960,846	
207	1917		" "	+15.1°	5.0	92° 40'	-89.1	-94.1		2639.1		-1917	+9	515,105	1,960,845	
208	1587		" "	" "	8.0	92° 40'	-73.7	-81.7		2651.5		-1587	+7	515,435	1,960,843	
209	1257		" "	" "	8.7	92° 40'	-58.4	-67.1		2666.1		-1257	+6	515,765	1,960,842	
210	927		" "	" "	11.6	92° 40'	-43.1	-54.7		2678.5		-927	+4	516,095	1,960,840	
211	597		164° 38'	" "	9.2	92° 40'	-27.7	-36.9		2696.3		-597	+3	516,425	1,960,839	
212	267		" "	" "	6.3	92° 40'	-12.4	-18.7		2714.5		-267	+1	516,755	1,960,837	
41	26		168° 08' 03"	" "	4.8	-		-4.8		2728.4	41	-26	-1	516,996	1,960,835	TRD EAST y-517,010 x-1,960,805
T	0				5.4	-		-5.4		2727.8	T	0	0	517,022	1,960,836	

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
1-19-82		B. Cotcamp		M. Kwap		6834		BC		2	16				
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER							
CALIF.		SOLEDAD-7 1/2	CALIF.	KERN				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 -	EAST + WEST -	COORDINATES		REMARKS
											LAT.	DEP.	Y	X	
								2733.2					517,022		
X	122		101 38' 54"	+15.1°	3.5	87° 40'	+5.0	+1.5	2734.7	X					SPOT ELEVATION BL. 2736.0 IN ROAD
213	59		344° 45'	" "	8.2	96° 30'	-6.6	-14.8	2718.4		+59	-0.	517,081	1,960,836	
214	389		" "	" "	12.2	95° 10'	-34.9	-47.1	2686.1		+389	-1	517,411	1,960,835	
215	719		" "	" "	6.9	95° 10'	-64.5	-71.4	2661.8		+719	-2	517,741	1,960,834	
216	1049		" "	" "	13.8	94° 20'	-79.0	-92.8	2640.4		+1049	-3	518,071	1,960,833	
217	1379		" "	" "	5.2	94° 20'	-103.9	-109.1	2624.1		+1379	-4	518,401	1,960,832	
218	1709		" "	+15.1°	12.2	93° 40'	-109.1	-121.3	2611.9		+1709	-4	518,731	1,960,832	
219	2039		" "	" "	3.0	93° 40'	-130.1	-133.1	2600.1		+2039	-5	519,061	1,960,831	
220	2369		" "	" "	12.9	93° 10'	-130.7	-143.6	2589.6		+2369	-6	519,391	1,960,830	
221	2699		" "	" "	4.1	93° 10'	-148.9	-153.0	2580.2		+2699	-7	519,721	1,960,829	
222	3029		374° 45' 12"	+15.1°	2.5	93° -	-158.3	-160.8	2572.4	TP	+3025	-8	520,045	1,960,828	
222	3029				11.3	92° 50'	-149.5	-160.8		TP					
	4618		164° 31' +180	+15.1°	+15.0	89° 19' 34"	-54.3	-39.3	2533.1	BS	+4618	-31			E.D.M.
	4618				0.0	89° 30' 43"	-39.3	-39.3		BS					
223	4290		164° 27'	+15.1°	6.0	89° 20'	+37.5	+31.5	2564.6		-4290	+34	520,371	1,960,831	
224	3960		" "	" "	8.5	89° 30'	+34.6	+26.1	2559.2		-3960	+31	520,701	1,960,828	
225	3630		" "	" "	10.2	89° 30'	+31.7	+21.5	2554.6		-3630	+29	521,031	1,960,826	
226	3300		" "	" "	12.7	89° 30'	+28.8	+16.1	2549.2		-3300	+26	521,361	1,960,823	
227	2970		" "	" "	5.9	89° 40'	+17.3	+11.4	2544.5		-2970	+23	521,691	1,960,820	

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-19-82		B. Cotcamp		M. Knapp		6834		B.C.		2		17			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIF.		SOLEDAD Mtn.		CALIF.		KERN								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
									2533.1						
228	2640		164° 27'	+15.1	8.0	89° 40'	+15.4	+7.4		2540.5		-2640	+21	522,021	1,960,818
229	2310		" "	" "	9.5	89° 40'	+13.4	+3.9		2537.0		-2310	+18	522,351	1,960,815
230	1980		" "	" "	10.0	89° 40'	+11.5	+1.5		2534.6		-1980	+16	522,681	1,960,813
231	1650		" "	" "	10.0	89° 40'	+9.6	-0.4		2532.7		-1650	+13	523,011	1,960,810
#	1361		164° 43' 42"	" "	8.9	89° 40'	+7.9	-1.0		2532.1	#	-1361	+4	523,300	1,960,801
#	1885		206° 36' 56"	+15.1	7.3	89° 40'	+11.0	+3.7		2536.8	#				
232	1320		164° 27'	" "	9.3	89° 40'	+7.7	-1.6		2531.5		-1320	+10	523,341	1,960,807
233	990		" "	" "	8.2	89° 40'	+5.8	-2.4		2530.7		-990	+8	523,671	1,960,805
234	660		" "	" "	7.1	89° 40'	+3.8	-3.3		2529.8		-660	+5	524,001	1,960,802
235	330		" "	+15.1	7.0	89° 40'	+1.9	-5.1		2528.0		-330	+3	524,331	1,960,800
236	0				5.4	-		-5.4		2527.7	X	0	0	524,661	1,960,797
237	330		340° 26'	+15.1	9.4	89° 40'	+1.9	-7.5		2525.6		+329	-26	524,990	1,960,771
238	660		342° 27'	" "	9.5	89° 40'	+3.8	-5.7		2527.4		+659	-28	525,320	1,960,769
239	990		344° 39'	" "	7.0	-		-7.0		2526.1		+990	-4	525,651	1,960,793
240	1320		" "	" "	7.7	-		-7.7		2525.4		+1320	-6	525,981	1,960,791
241	1650		" "	+15.1	8.8	-		-8.8		2524.3		+1650	-7	526,311	1,960,790
242	1980		" "	" "	10.8	-		-10.8		2522.3		+1980	-9	526,641	1,960,788
243	2310		" "	" "	11.5	-		-11.5		2521.6		+2310	-10	526,971	1,960,787
244	2640		" "	" "	12.2	-		-12.2		2520.9		+2640	-12	527,301	1,960,785

y=523,320  
# 4 way INT. x=1,960,800  
# 4 way INT EL 2535.0

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-19-82		B. Cotnam		M. Knapp		6834		MPK		2		18			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIF.		SOLEAD MTN-7 1/2		CALIF.		Kern								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
									2533.1						
245	2970		344° 39'	+15.1°	12.9	-		-12.9		2520.2		+2970	-13	527,631	1960,784
246	3300		" "	" "	12.7	-		-12.7		2520.4		+3300	-14	527,961	1960,783
247	3630		" "	" "	13.0	-		-13.0		2520.1		+3630	-16	528,291	1960,781
248	3908		344° 35' 12"	" "	12.7	-		-12.7		2520.4	TP	+3908	-21	528,569	1960,776
248	3957		344° 38' 38"	+15.2°	12.9	-		-12.9			TP	+3957	-11	528,616	1960,786
	2637				15.0	89° 38'	+2.2	-12.8		2520.3	TP				
	2637		163° 57' 12" ±10'	+15.2°	+4.3	BH	+13.2	+17.5	2537.8		BS	+2637	-39		E.A.M.
	2637				+9.7	90° 10'	+7.7	+17.4			BS				
249	2310		164° 31'	+15.2°	4.7	BH	-11.6	-16.3		2521.5		-2310	+11	528,941	1960,758
250	1980		" "	" "	4.9	BH	-9.9	-14.8		2523.0		-1980	+10	529,271	1960,757
251	1650		" "	" "	5.9	BH	-8.3	-14.2		2523.6		-1650	+8	529,601	1960,755
252	1320		" "	" "	12.0	-		-12.0		2525.8		-1320	+7	529,931	1960,754
253	990		" "	" "	10.0	-		-10.0		2527.8		-990	+5	530,261	1960,752
254	660		" "	" "	9.0	-		-9.0		2528.8		-660	+3	530,591	1960,750
255	330		" "	" "	7.1	-		-7.1		2530.7		-330	+2	530,921	1960,749
256	0				5.4	-		-5.4		2532.4	TP	0	0	531,251	1960,747
257	330		344° 35'	+15.2°	4.6	-		-4.6		2533.2		+330	-1	531,581	1960,746
258	660		" "	" "	3.6	-		-3.6		2534.2		+660	-3	531,911	1960,744
259	990		" "	" "	2.9	-		-2.9		2534.9		+990	-4	532,241	1960,743

y=528,575  
x=1960,800

E.A.M.

E.A.M.

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-19-82		B. Cotcamp		M. Knapp		6834		MPK		2		19			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIF.		SOLICADO MTN.		CALIF.		KERN								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
									2537.8						
260	1320		344° 35'	+15.2°	8.6	TH	+6.6	-2.0		2535.8		+1320	-5	532,571	1,960,742
261	1650		" "	" "	8.8	TH	+8.3	-0.5		2537.3		+1650	-6	532,901	1,960,741
262	1980		" "	" "	8.8	TH	+9.9	+1.1		2538.9		+1980	-7	533,231	1,960,740
263	2310		" "	" "	7.4	TH	+11.6	+4.2		2542.0		+2310	-9	533,561	1,960,738
264	2640		" "	" "	8.9	TH	+13.2	+4.3		2542.1		+2640	-10	533,891	1,960,737
±	2642		344° 26' 06"	+15.2°	9.0	TH	+13.2	+4.2		2542.0	TP	+2642.3	-17	533,890	1,960,730
±	2642				5.0	89° 48'	+9.2	+4.2			TP				
	1810				+13.1	90° 20'	+10.5	+23.6	2565.6		BS				
	1810				+7.6	90° 30'	+15.8	+23.4			BS				
X	0				0.54	-		-5.4		2560.2	X				
±	648				3.4	90° 30'	-5.7	-9.1		2556.5	±				
±	648				5.3	90° 20'	-3.8	-9.1			±				

E.D.M.  
y=533,890 x=1,960,730  
± 4WAY INT. Horiz. 4-45  
CORR. x=-4

TRD EAST EL. 2557.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3-1-82		B. Cotcamp		M. Knapp		6834		MPK dm		2	20					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER				
CALIF.		SOLEDAD MTD 7 1/2		CALIF.		KERN						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	4 way Intersect		ELEVATION FROM PREVIOUS LINE							2542.0	IF			533,890	1,960,730	4WAY INT. EL. 2542.0
	2294		164° 03' 24" +180	+15.0°	14.4	BH	+11.5	+25.9	2567.9		BS	+2294	-38			
	2294				+12.6	90° 20'	+13.4	+26.0			BS	+5	+3			
265	1978		163° 50'	+15.0°	11.2	90° 20'	-11.5	-22.7		2545.2		-1978	+40	534,211	1,960,735	
266	1650		" "	"	10.3	90° 20'	-9.6	-19.9		2548.0		-1650	+34	534,539	1,960,729	
267	1320		" "	"	9.9	90° 20'	-7.7	-17.6		2550.3		-1320	+27	534,869	1,960,722	
268	990		" "	"	9.6	90° 20'	-5.8	-15.4		2552.5		-990	+20	535,199	1,960,715	
269	660		" "	"	9.6	90° 20'	-3.8	-13.4		2554.5		-660	+13	535,529	1,960,708	
270	330		" "	"	7.0	90° 20'	-1.9	-8.9		2559.0		-330	+7	535,859	1,960,702	
271	0				5.4	-		-5.4		2562.5	T	0	0	536,189	1,960,695	
272	330		343° 47'	+15.0°	8.1	90° 20'	-1.9	-10.0		2557.9		+330	-7	536,519	1,960,688	
IF	369		342° 38' 36"	"	8.1	90° 20'	-2.1	-10.2		2557.7	IF	+369	-15	536,558	1,960,680	Y-536,546 X-1,960,695 T-RO. EAST EL. 2557.0
273	660		343° 01'	"	7.4	-		-7.4		2560.5		+660	-23	536,849	1,960,672	
274	990		343° 30'	"	7.5	-		-7.5		2560.4		+990	-26	537,179	1,960,669	
275	1320		" "	"	6.3	-		-6.3		2561.6		+1320	-35	537,509	1,960,660	
276	1650		" "	"	12.7	TM	+8.3	-4.4		2563.5		+1649	-43	537,838	1,960,652	
277	1980		" "	+15.0°	11.7	TM	+9.9	-1.8		2566.1		+1979	-52	538,168	1,960,643	
278	2310		343° 30'	"	3.0	-		-3.0		2564.9		+2309	-60	538,498	1,960,635	
279	2640		" "	"	9.8	89° 50'	+7.7	-2.1		2565.8		+2639	-69	538,828	1,960,626	
280	2967		343° 45' 11"	"	8.7	89° 50'	+8.6	-0.17		2567.8	TP	+2966	-65	539,160	1,960,633	
280	2967				13.9	89° 44'	+13.8	-0.1			TP	+5	+3			

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3-1-82		B. Catamp		M. Knapp		6834		MPK fm		2	21					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
CALIF.		SOLEDAD MTD. 7 1/2	CALIF.	KERN					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.			
										2567.8						
BS	1645		165° 45' 47" +180	+15.0°	+8.7	-		+8.7	2576.5		BS	+1645	+22			
BS	1645				+13.9	89° 50'	-4.8	+8.7		BS	+5	+3				
±	1612		165° 54' 50"	+15.0°	12.6	89° 50'	+4.7	-7.9		2568.6		-1612	-26	539,198	1,960,632	Y-539,180 X-1,960,640 4 WPP INST.
281	1320		164° 33'	"	9.1	-		-9.1		2567.4		-1320	+10	539,490	1,960,668	
282	990		" "	"	8.3	-		-8.3		2568.2		-990	+8	539,820	1,960,666	
283	660		" "	"	7.1	-		-7.1		2569.4		-660	+5	540,150	1,960,663	
284	330		" "	"	6.0	-		-6.0		2570.5		-330	+3	540,480	1,960,661	
285	0				5.4	-		-5.4		2571.1	π	0	0	540,810	1,960,658	
286	330		344° 18'	+15.0°	4.0	-		-4.0		2572.5		+330	-4	541,140	1,960,654	
287	660		" "	"	4.7	TH	+3.3	-1.4		2575.1		+660	-8	541,470	1,960,650	
288	990		" "	"	2.4	TH	+5.0	+2.6		2579.1		+990	-12	541,800	1,960,646	
289	1228		352° 30'	"	5.7	89° 30'	+10.7	+5.0		2581.5		+1217	+160	542,027	1,960,818	
290	1559		353° 41' 59"	+15.4°	5.9	89° 30'	+13.6	+7.7		2584.2	TP	+1539	+247	542,354	1,960,908	
290	1559				10.4	89° 20'	+18.1	+7.7			TP	+5	+3			
	659		170° 09' 19" +180	+15.4°	+6.7	-		+6.7	2590.9		BS	+656	+64			
	659				+10.0	TH	-3.3	+6.7		BS	+5	+3				
291	330		170° 10'	+15.4°	6.0	-		-6.0		2584.9		-328	-32	542,687	1,960,943	
292	0				5.4	-		-5.4		2585.5	π	0	0	543,015	1,960,975	
293	310		357° 40'	+15.4°	6.0	TH	+1.6	-4.4		2586.5		+302	+70	543,317	1,961,045	

SURVEY NOTES-HIGH RESOLUTION DATA  
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3-1-82		B. Cotcamp		M. Knapp		6834		MPK Jm		Z	22					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
CALIF.		COLEDAO MTS & SANBORO 7 1/2	CALIF.	KERN					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 -	EAST + WEST -	COORDINATES		REMARKS	
											LAT.	DEP.	Y	X		
								2590.9								
294	591		19° 10' 45"	+15.8°	6.0	TM	+3.0	-3.0		TP	+490	+330	543,510	1,961,308		
294	591				6.5	89° 40'	+3.4	-3.1		TP	+5	+3				
	818		219° 02' 04" -180	+15.8°	+10.6	89° -	-14.3	-3.7		BS	+471	+669				
	818				+8.1	89° 10'	-11.9	-3.8	2584.0	BS	+5	+3				
295	549		209° 15'	+15.8°	8.5	89° -	+9.6	+1.1			-388	-389	543,598	1,961,591		
296	310		177° 24'	"	8.6	89° 10'	+4.5	-4.1			-302	-71	543,684	1,961,909		
IF	271		167° 05' 25"	"	6.5	89° 40'	+1.6	-4.9		IF	-	-				
297	0				5.4	-	-	-5.4		X	0	0	543,986	1,961,980		
298	330		345° 22'	+15.8°	7.8	89° 40'	+1.9	-5.9			+330	+7	544,316	1,961,987		
TF	558		343° 12' 05"	"	5.0	89° 40'	+3.2	-1.8		TF	-	-				
299	660		347° 46"	"	5.7	89° 20'	+7.7	+2.0			+659	+41	544,645	1,962,021	LAST STA. ON CAMP	
300	950		359° 13' 45"	"	7.2	89° 20'	+11.0	+3.8		TP	+917	+246	544,908	1,962,229	X - COUNTRY.	
300	950				7.8	89° 18'	+11.6	+3.8		TP	+5	+3				
	2305		208° 13' 03" -180	+15.8°	+10.3	TM	-11.5	-1.2		BS	+1658	+1602			E.P.M.	
	2305				+5.4	89° 50'	-6.7	-1.3	2586.5	BS	+5	+2				
301	1977		208° 19'	+15.8°	5.4	-	-	-5.4			-1419	-1376	545,152	1,962,457	COLEDAO MTS	
302	1650		208° 29'	"	8.9	-	-	-8.9			-1181	-1152	545,390	1,962,681	SANBORO	
303	1320		208° 38'	"	7.5	-	-	-7.5			-943	-924	545,628	1,962,909	↓	
304	990		208° 51'	"	7.2	-	-	-7.2			-704	-696	545,867	1,963,137		
305	660		208° 34'	"	5.0	-	-	-5.0			-472	-462	546,099	1,963,371		

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
3-1-82		B. Cotcamp		M. Knapp		6834		MPK Jm		2	23				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
CALIF.		SANBORN 7 1/2		CALIF.		Kern					L. DAVID				
STATION NO.	SLOPE 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
									2586.5						
306	330		208° 24'	+15.8°	7.2	-		-7.2		2579.3		-237	-230	546,334	1,963,603
307	0				5.4	-		-5.4		2581.1	TP	0	0	546,571	1,963,833
308	330		27° 23'	+15.8°	7.5	-		-7.5		2579.0		+241	+226	546,812	1,964,059
309	660		27° 42'	"	7.4	-		-7.4		2579.1		+479	+454	547,050	1,964,281
310	990		28° 10'	"	4.9	-		-4.9		2581.6		+713	+687	547,284	1,964,520
311	1320		27° 56'	"	4.0	-		-4.0		2582.5		+954	+913	547,525	1,964,746
312	1650		27° 59'	"	2.0	-		-2.0		2584.5		+1191	+1142	547,762	1,964,975
313	1963		25° 02'	"	13.2	TM	+9.8	-3.4		2583.1		+1485	+1284	548,056	1,965,117
314	2277		22° 16' 47"	"	10.9	89° 50'	+6.6	-4.3		2582.2	TP	+1792	+1404	548,368	1,965,239
314	2277			"	14.9	89° 44'	+10.6	-4.3			TP	+5	+2		
	987		190° 30' 34" - 180	+15.8°	+5.7	-		+5.7	2587.9		BS	+885	+437		
	987			"	+10.6	TM	-4.9	+5.7			BS	+5	+1		
315	660		192° 51'	+15.8°	5.1	-		-5.1		2582.8		-579	-316	548,679	1,965,361
316	330		189° 13'	"	3.9	-		-3.9		2584.0		-299	-140	548,939	1,965,537
317	0				5.4	-		-5.4		2582.5	TP	0	0	549,258	1,965,677
318	330		22° 06'	+15.8°	5.0	-		-5.0		2582.9		+260	+203	549,518	1,965,880
319	660		20° 17'	"	3.1	-		-3.1		2584.8		+533	+389	549,791	1,966,066
TP	831		15° 07' 14"	"	6.7	TM	+4.2	-2.5		2585.4	TP	+713	+427	549,975	1,966,105
TP	831			"	4.9	89° 50'	+2.4	-2.5			TP	+4	+1		

4-549,975 X-1,966,105  
 4-WAY INT. EL. 2584.0  
 Horiz Y-+59  
 Corr. X-+30

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
3-1-82		B. Cotamp.		M. KNAPP		6834		MPK <i>jm</i>		2	24				
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
CALIF.		SANBORD	7 1/2	CALIF.		Keen			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 -	EAST + WEST -	COORDINATES		REMARKS
											LAT.	DEP.	Y	X	
							ELEVATION R		2584.0				549,975	1,966,105	
	3438		164° 43' 35" +180°	+15.4°	6.9	BH	+23.8	2607.8		BS	+3438	+8			At Hwy EL. 2584.0
	3438				+4.0	269° 40'	+19.8	+23.8		BS					E.O.M.
320	3300		164° 52'	+15.4°	6.8	BH	-16.5	-23.3	2584.5		-3300	-15	550,106	1,966,095	E.O.M.
321	2970		" "	"	7.9	BH	-14.9	-22.8	2585.0		-2970	-14	550,436	1,966,096	
322	2640		" "	"	7.9	BH	-13.2	-21.1	2586.7		-2640	-12	550,766	1,966,098	
323	2310		" "	"	10.3	BH	-11.6	-21.9	2585.9		-2310	-11	551,096	1,966,099	
324	1980		164° 52'	"	11.2	BH	-9.9	-21.1	2586.7		-1980	-9	551,426	1,966,101	
325	1650		" "	+15.4°	11.9	BH	-8.3	-20.2	2587.6		-1650	-8	551,756	1,966,102	
326	1320		" "	"	12.3	BH	-6.6	-18.9	2588.9		-1320	-6	552,086	1,966,104	
327	990		" "	"	10.8	BH	-5.0	-15.8	2592.0		-990	-5	552,416	1,966,105	
IF	725		163° 47' 42"	"	12.9	-	-12.9		2594.9	IF	-725	+10	552,681	1,966,120	Y-552,675 X-1,966,110 T-RD. WEST EL. 2594.0
328	660		164° 52'	"	11.8	-	-11.8		2596.0		-660	-3	552,746	1,966,107	
329	330		" "	"	6.2	-	-6.2		2601.6		-330	-2	553,076	1,966,108	
330	0				5.4	-	-5.4		2602.4	X	0	0	553,406	1,966,110	
331	330		345° "	+15.4°	6.3	-	-6.3		2601.5		+330	+3	553,736	1,966,113	
332	660		346° 18'	"	9.5	-	-9.5		2598.3		+660	+20	554,066	1,966,130	
333	990		" "	"	2.9	-	-2.9		2604.9		+990	+29	554,396	1,966,139	
334	1320		" "	"	7.3	TH	+6.6	-0.7	2607.1		+1319	+39	554,725	1,966,149	
335	1650		346° 06'	"	4.0	-	-4.0		2603.8		+1649	+43	555,055	1,966,153	
336	1980		345° 44'	+15.4°	3.1	-	-3.1		2604.7		+1980	+39	555,386	1,966,149	

SURVEY NOTES-HIGH RESOLUTION DATA  
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
3-1-82		O. Cotamp		M. Knapp		6874		MPK dm		2	25						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
CALIF.		JANBORN 7 1/2	CALIF.	Kern					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		
									2607.8								
1#	1922		345° 20' 19"	+15.40	12.9	TH	+9.6	-3.3		2604.5	1#	+1922	+25	555,328	1,966,135	V-555,290 X-1,966,125 T-RD EAST EL. 2603.0	
337	2310		345° 44'	"	2.6	-		-2.6		2605.2		+2310	+46	555,716	1,966,156		
338	2640		345° 30'	"	2.0	-		-2.0		2605.8		+2640	+42	556,046	1,966,152		
339	2970		" "	"	3.0	-		-3.0		2604.8		+2970	+47	556,376	1,966,157		
340	3300		345° 29' 08"	+15.10	11.5	TH	+16.7	+5.2		2613.0	TP	+3300	+34	556,699	1,966,141	E.O.M.	
340	3300				14.3	270 20	+19.4	+5.1			TP						
	3955		165° 12' 50" +180	+15.10	+10.9	BH	+19.5	+30.4	2643.4		BS	+3955	+22				
	3955				+7.6	269° 40'	+22.7	+30.3			BS						
341	3630		165° 13'	+15.10	12.0	BH	-18.2	-30.2		2613.2		-3630	-20	557,017	1,966,140		
342	3300		" "	"	12.4	BH	-16.5	-28.9		2614.5		-3300	-18	557,347	1,966,142		
343	2970		" "	"	10.3	BH	-14.9	-25.2		2618.2		-2970	-16	557,677	1,966,144		
344	2640		" "	"	9.8	BH	-13.2	-23.0		2620.4		-2640	-15	558,007	1,966,145		
345	2310		" "	"	8.6	BH	-11.6	-20.2		2623.2		-2310	-13	558,337	1,966,147		
1#	2148		165° 07' 06"	+15.10	7.4	BH	-10.7	-18.1		2625.3	1#	-2148	-8		1,966,152	V-558,540 X-1,966,145 4-WAY INST.	
346	1980		164° 44'	"	10.8	BH	-9.9	-20.7		2622.7		-1980	+6	558,667	1,966,166		
347	1650		" "	"	9.0	BH	-8.3	-17.3		2626.1		-1650	+5	558,997	1,966,165		
348	1320		" "	"	8.2	BH	-6.6	-14.8		2628.6		-1320	+4	559,327	1,966,164		
349	990		" "	"	13.3	-		-13.3		2630.1		-990	+3	559,657	1,966,163		
350	660		" "	+15.10	10.5	-		-10.5		2632.9		-660	+2	559,987	1,966,162		
351	330		" "	"	6.9	-		-6.9		2636.5		-330	+1	560,317	1,966,161		

SURVEY NOTES-HIGH RESOLUTION DATA  
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-1-82		B. COTCALUP		M. KWAPP		6834		MPK <i>jm</i>		2		26			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIFORNIA		SANBORN 7 1/2'		CALIF.		KERN								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
									2643.4						
352	0				5.4	-		-5.4		2638.0		0	0	560,647	1,966,160
353	330		341° 08'	+15.1	2.9	-		-2.9		2640.5		+329	-22	560,976	1,966,138
354	660		340° 57'	"	4.7	TH	+3.3	-1.4		2642.0		+660	-22	561,307	1,966,138
355	990		343° 35'	"	4.4	TH	+5.0	+0.6		2644.0		+990	-23	561,637	1,966,137
356	1320		343° 47'	"	3.6	TH	+6.6	+3.0		2646.4		+1320	-26	561,967	1,966,134
357	1650		344° 04'	"	8.9	89° 30'	+14.4	+5.5		2648.9		+1650	-24	562,297	1,966,136
358	1980		344° 05'	"	9.6	89° 30'	+17.3	+7.7		2651.1		+1980	-28	562,627	1,966,132
359	2310		344° 06'	"	9.8	89° 30'	+20.2	+10.4		2653.8		+2310	-32	562,957	1,966,128
360	2640		344° 08'	+15.1	9.2	89° 30'	+23.0	+13.8		2657.2		+2640	-35	563,287	1,966,125
4F	2701		344° 27' 18"	"	9.2	89° 30'	+23.6	+14.4		2657.8		+2701	-21	563,348	1,966,139
361	2970		344° 12'	"	10.3	89° 30'	+25.9	+15.6		2659.0		+2970	-36	563,617	1,966,124
362	3300		344° 22'	"	11.0	89° 30'	+28.8	+17.8		2661.2		+3300	-31	563,947	1,966,129
363	3630		344° 24'	"	11.9	89° 30'	+31.7	+19.8		2663.2		+3630	-32	564,277	1,966,128
364	3961		344° 43' 30"	+15.1	11.9	89° 30'	+34.9	+23.0		2666.4	TP	+3961	-12	564,601	1,966,145
364	3961				7.3	89° 34'	+30.3	+23.0			TP				
	660		164° 10' 04"	+180	+8.8	-		+8.8	2675.2		BS	+660	-8		
	660				+12.1	TM	-3.3	+8.8			BS				
365	330		164° 10'	+15.1	7.3	-		-7.3		2667.9		-330	+4	564,924	1,966,138
366	0				5.4	-		-5.4		2669.8	TP	0	0	565,254	1,966,134
367	330		344° 36'	+15.1	3.0	-		-3.0		2672.2		+330	-2	565,584	1,966,132

V-563,320 X-1,966,145  
4-WAPP INST.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 3-2-82	INSTRUMENT MAN B. COTCAMP	ROD MAN M. KUAPP	PARTY NUMBER 6834	NOTES CHECKED BY MPK <i>jm</i>	LINE NO. 2	PAGE 27
AREA CALIFORNIA	TOPO MAP SANBORN 7 1/2	STATE CALIF.	COUNTY KERN	TWP	RANGE	PPM
				PARTY MANAGER 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	COORDINATES		REMARKS	
											NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
								2675.2						
368	660		344° 36'	+15.1°	4.3	TM	+3.3	-1.0	2674.2		+660	-3	565,914 1,966,131	y-566,010 x-1,966,120
TP	761		344° 08' 12"	+15.1°	0.5	-		-0.5	2674.7	TP	+761	-10.4	566,010 1,966,120	TP TIME EL. 2677.0
TP	761				4.3	TH	+3.8	-0.5		TP				HORIZ COR. y--40' x--19'
BS	3527		164° 58' 47" +180°	+15.4°	11.3	87° 24'	+24.4	+35.7	2710.4	BS	+3527	+23		
BS	3527					96° 22'	+22.3	+35.7		BS				
369	3300		165° 21'	+15.4°	6.8	90° 30'	-28.8	-35.6	2674.8		-3300	-43	566,236 1,966,098	
370	2970		165° 28'	"	6.2	90° 30'	-25.9	-32.1	2678.3		-2970	-45	566,566 1,966,096	
371	2640		165° 34'	"	6.2	90° 30'	-23.0	-29.2	2681.2		-2640	-45	566,896 1,966,096	
372	2310		" "	"	12.2	90° 20'	-13.4	-25.6	2684.8		-2310	-39	567,226 1,966,102	
373	1980		" "	"	11.2	90° 20'	-11.5	-22.7	2687.7		-1980	-33	567,556 1,966,108	
374	1650		" "	"	10.9	90° 20'	-9.6	-20.5	2689.9		-1650	-28	567,886 1,966,113	
375	1320		164° 49'	+15.4°	9.5	90° 20'	-7.7	-17.2	2693.2		-1320	-5	568,216 1,966,136	
376	990		" "	"	8.1	90° 20'	-5.8	-13.9	2696.5		-990	-4	568,546 1,966,137	
well	1000		156° 03' 29"	"	9.8	90° 20'	-5.8	-15.6	2694.8	well				WELL ELEV. 2696.0
#1	827		168° 04' 13"	"	7.8	90° 20'	-4.8	-12.6	2697.8	#1	-827	-7	568,709 1,966,134	y-568,705 x-1,966,150 TPO EAST
377	660		164° 49'	"	7.7	90° 20'	-3.8	-11.5	2698.9		-660	-3	568,876 1,966,138	
378	330		" "	"	6.1	90° 20'	-1.9	-8.0	2702.4		-330	-1	569,206 1,966,140	
379	0		" "	"	5.4	-		-5.4	2705.0	#	0	0	569,536 1,966,141	

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
3-2-82		B. Cotcamp		M. Knapp		6834		MPK JM		2	28				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER			
CALIF.		SANBORN - 7 1/2'		CALIF.		KERN						C. DAVIS			
STATION NO.	SLOPE 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
									2710.4						
380	330		344° 39'	+15.4°	6.4	89° 30'	+2.9	-3.5		2706.9		+330	±0	569,866	1,966,141
381	660		" "	"	6.0	89° 30'	+5.8	-0.2		2710.2		+660	+1	570,196	1,966,142
382	990		" "	"	5.6	89° 30'	+8.6	+3.0		2713.4		+990	+1	570,526	1,966,142
383	1320		" "	"	7.0	89° 30'	+11.5	+4.5		2714.9		+1320	+1	570,856	1,966,142
384	1650		" "	"	8.2	89° 30'	+14.4	+6.2		2716.6		+1650	+1	571,186	1,966,142
4	1889		344° 35' 24"	"	9.6	89° 30'	+16.5	+6.9		2717.3	4	+1889	±0	571,425	1,966,141
385	1980		344° 39'	+15.4°	9.3	89° 30'	+17.3	+8.0		2718.4		+1980	+2	571,516	1,966,143
386	2310		" "	"	9.8	89° 30'	+20.2	+10.4		2720.8		+2310	+2	571,846	1,966,143
387	2640		344° 30'	"	9.9	89° 30'	+23.0	+13.1		2723.5		+2640	-5	572,176	1,966,136
388	2968		344° 29' 33"	"	10.6	89° 30'	+26.1	+15.5		2725.9	TP	+2968	-6.2	572,503	1,966,133
388	2968				5.4	89° 36'	+20.9	+15.5			TP				
	990		164° 29' 30" +180	+15.4°	+9.8	-		+9.8		2735.7	BS	+990	-2.2		
	990				+14.8	TM	-5.0	+9.8			BS				
389	660		164° 30'	+15.4°	8.0	-		-8.0		2727.7		-660	+1	572,832	1,966,130
390	330		" "	"	6.6	-		-6.6		2729.1		-330	+1	573,162	1,966,130
391	0				5.4	-		-5.4		2730.3	TP	0	0	573,492	1,966,129
392	330		346° 41'	+15.4°	8.7	89° -	+5.8	-2.9		2732.8		+330	+12	573,822	1,966,141
393	660		348° 16'	"	12.9	89° -	+11.5	-1.4		2734.3		+659	+42	574,151	1,966,171
394	992		346° 42' 10"	"	9.0	89° 30'	+8.7	-0.3		2735.4	TP	+992	+36.2	574,482	1,966,163
394	992				11.8	89° 20'	+11.5	-0.3			TP				

Y=571,435 X=1,966,125  
4-WAY INT. EL. 2718.0

4-WAY STB. ON ROAD, E.O.A.

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
3-2-82		B. COLEMAN		M. KNAPP		6834		MPK Jm		Z	29			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
CALIFORNIA		SANBORN 7 1/2		CALIF.		KERN					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.	
										2735.4				
985			148° 57' 09" +180	+15.4°	+9.7	-		+9.7	2745.1		BS	+949 <sub>1</sub>	-266 <sub>2</sub>	
985			"	"	+14.6	TM	-49	+9.7			BS			
395	660		145° 10'	"	9.1	-		-9.1		2736.0		-622	+220	574,808 1,966,115
396	330		136° 53'	"	8.5	-		-8.5		2736.6		-292	+153	575,138 1,966,048
397	0				5.4	-		-5.4		2739.7	T	0	0	575,430 1,965,875
398	330		319° 29'	+15.4°	4.0	TM	+1.7	-2.3		2742.8		+299	-140	575,729 1,965,755
399	660		320° 13'	"	7.7	89° 20'	+7.7	±0.0		2745.1		+601	-272	576,031 1,965,623
400	950		331° 54' 53"	"	10.6	89° 20'	+11.0	+0.4		2745.5	TP	+927 <sub>1</sub>	-209 <sub>2</sub>	576,356 1,965,684
400	950				13.4	89° 16'	+13.8	+0.4			TP			
	640		208° 20' 36" -180	+15.4°	6.7	89° 30'	-5.6	+1.1		2746.6	BS	+462 <sub>1</sub>	+443 <sub>2</sub>	
	640				+8.6	89° 20'	-7.4	+1.2			BS			
401	330		221° 34'	+15.4°	6.6	89° 20'	+3.8	-2.8		2743.8		-180	-277	576,637 1,965,848
402	0				5.4	-		-5.4		2741.2	T	0	0	576,817 1,966,125
402	70		21° 10' 24"	+15.4°	7.0	89° 20'	+0.8	-6.2		2740.4	T	+56	+42	576,873 1,966,167
403	322		353° 42' 18"	+15.0°	10.4	89°	+5.6	-4.8		2741.8	TP	+318 <sub>1</sub>	+49 <sub>2</sub>	577,134 1,966,172
403	322				4.8	-		-4.8			TP			
	1980		165° 57' 22" +180	+15.0°	+12.1	-		+12.1		2753.9	BS	+1980 <sub>1</sub>	+33 <sub>2</sub>	
	1980				+2.2	OH	+9.9	+12.1			BS			
404	1680		165° 46'	+15.0°	10.1	-		-10.1		2743.8		-1650	-22	577,463 1,966,181
405	1320		" "	"	9.8	-		-9.8		2744.1		-1320	-18	577,793 1,966,185

Y-576,890 X-1,966,155  
T-INST NORTH

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
3-2-82		B. COTCAMP		M. KWAPP		6834		MPL Jm		2		30		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
CALIFORNIA		SANBORN-7 1/2		CALIF.		KERN						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.	
									2753.9					
406	990		165° 46'	+15.0°	9.8	-		-9.8		2744.1		-990	-13	578,123 1,966,190
407	660		" "	"	8.5	-		-8.5		2745.4		-660	-9	578,453 1,966,194
408	330		" "	"	6.8	-		-6.8		2747.1		-330	-4	578,783 1,966,199
409	0				5.4	-		-5.4		2748.5	π	0	0	579,113 1,966,203
410	119		347° 02' 05"	+15.0°	6.6	-		-6.6		2747.3	π	+119	+4	579,232 1,966,207 LAST STA. ON ROAD Y-579,208 X-1,966,195 T-RD EAST
411	323		06° 22'	"	6.9	-		-6.9		2747.0		+301	+118	579,414 1,966,321 E.D.M
412	650		10° 27'	"	8.2	-		-8.2		2745.7		+587	+279	579,700 1,966,482 E.A.M.
413	979		11° 53'	"	10.3	-		-10.3		2743.6		+873	+443	579,986 1,966,646 " "
414	1307		13° 04'	"	12.8	-		-12.8		2741.1		+1153	+615	580,266 1,966,818 " "
415	1634		13° 32'	"	5.4	BH	-8.2	-13.6		2740.3		+1436	+781	580,549 1,966,984 " "
415	1965		14° 00'	+15.0°	6.9	BH	-9.8	-16.7		2737.2		+1719	+953	580,832 1,967,156
TP	2123		13° 58' 59"	+14.6°	13.1	90° 08'	-4.9	-18.0		2735.9	≠	+1864	+1016	580,976 1,967,217 Y-580,995 X-1,967,200 T-INT NORTH EL 2735.0
TP	2123				14.7	90° 06'	-3.7	-18.0			≠			
BS	841		165° 00' 13" +180°	+14.6°	+8.4	-		+8.4	2744.3		BS	+841	-6	
BS	841				+4.2	BH	+4.2	+8.4			BS			
416	660		165° 00'	+14.6°	7.9	-		-7.9		2736.4		-660	+5	581,156 1,967,215
417	330		" "	"	6.9	-		-6.9		2737.4		-330	+2	581,486 1,967,212
418	0				5.4	-		-5.4		2738.9	π	0	0	581,816 1,967,210
419	330		345° 36'	+14.6°	3.3	-		-3.3		2741.0		+330	+1	582,146 1,967,211

LS-HIGH RESOLUTION DATA

Geosource Inc.

Page 31 of 31

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
2-2-82		B. COTCAMP		M. KNAPP		6834		MPK Jm		2		31		
STATE		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
CALIFORNIA		SANBORN-7 1/2		CALIF.		KERN						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.	
									2744.3					
420	660		345° 36'	+14.6°	5.0	TM	+3.3	-1.7		2742.6	+660	+2	582,476	1,967,212
421	990		" "	"	5.5	TM	+5.0	-0.5		2743.8	+990	+3	582,806	1,967,213
422	1320		" "	"	4.3	TM	+6.6	+2.3		2746.6	+1320	+5	583,136	1,967,215
423	1649		" "	"	3.9	TM	+8.2	+4.3		2748.6	+1649	+6	583,465	1,967,216
#	1786		345° 16' 38"	"	3.7	TM	+8.9	+5.2		2749.5	#	+1786	583,600	1,967,210
	2106		345° 40' 47"	+14.6°	9.8	89° 30'	+18.4	+8.6		2752.9		-4		
	2106				19.7	89° 22'	+23.3	+8.6						

E.O.L. Line #2  
 Y=583,600 X=1,967,205  
 4 way INT.  
 Horiz y=-13'  
 CORR. x=-22'  
 WEL EL. 2754.0