

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 1-2-86	INSTRUMENT MAN B. Cotcamp	ROD MAN B. SALDIVAR	PARTY NUMBER 6834	NOTES CHECKED BY V. H.	LINE NO. 1	PAGE 1
AREA ARIZONA	TOPO MAP King Canyon - 7 1/2'	STATE ARIZ.	COUNTY YAVAPAI	TWP	RANGE	PPM
				PARTY MANAGER J. McCLELLAN		

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.	
R. U.S.G.S. B.M.	96	1943								5192.0	TK			(scaled) Y-1,381,970 X-386,830 R. U.S.G.S. B.M. EL. 5192.0
	152		144 52 55	+13.0	4.6	-		+4.6			BS	+141	-57	
	152				5.3	TH	-0.8	+4.5	5196.5		BS		-1	
1	1636		46 10	--	9.3	87 40	+66.6	+57.3		5253.8		+839	+1405	1382950 388177
2	1306		45 25	--	6.4	88 -	+45.6	+39.2		5235.7		+684	+1113	1382795 387885
3	977		44 55	--	8.0	88 -	+34.1	+26.1		5222.6		+519	+828	1382630 387600
4	647		43 45	--	8.1	88 -	+22.6	+14.5		5211.0		+355	+541	1382466 387313
5	332		31 40	--	7.0	88 -	+11.6	+4.6		5201.1		+236	+233	1382347 387005
6	20		85 -	--	6.4	91 -	-0.3	-6.7		5189.8		-3	+20	1382108 386792
TP	0				5.1	-		-5.1		5191.4	TP	0	0	1,382,111 386,772
7	307		188 50	+13.0	7.5	91 -	-5.4	-12.9		5183.6		-285	-114	1381826 386658
8	633		195 -	--	9.1	91 30	-16.6	-25.7		5170.8		-559	-297	1381552 386475
9	963		- -	--	10.5	91 30	-25.2	-35.7		5160.8		-850	-452	1381261 386320
10	1293		- -	--	9.2	91 30	-33.8	-43.0		5153.5		-1142	-607	1380969 386165
11	1623		- -	--	8.8	91 30	-42.5	-51.3		5145.2		-1433	-762	1380678 386010
12	1953		- -	--	7.3	91 30	-51.1	-58.4		5138.1		-1724	-917	1380387 385855
13	2283	2282.2	194 59 16	--	3.1	91 30	-59.8	-62.9			TP	-2015	-1071	1,380,096 385,700
13	2283				3.2	268 30	-59.8	-63.0		5133.5	TP		-1	
	2126	2125.4	16 39 51	+13.0	7.6	88 40	-49.5	-41.9	5091.6		BS	-1847	-1052	
	2126				7.7	271 20	-49.5	-41.8			BS		-1	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-2-86		B. Catcamp		B. SALDIVAR		6834		V. H.		1		2			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		King Canyon - 7 1/2'		ARIZ.		YAVAPI								J. Mc CLELLAN	
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
									5091.6						
14	1796		16° 35'	+13.0	6.7	88° 40'	+41.8	+35.1		5126.7		+1562	+887	1379811	385534
15	1466		16° 15'	-	8.3	88° 40'	+34.1	+25.8		5117.4		+1279	+716	1379528	385363
16	1136		16° 20'	-	8.1	88° 40'	+26.4	+18.3		5109.9		+990	+557	1379239	385204
17	806		- -	-	5.6	88° 40'	+18.8	+13.2		5104.8		+703	+395	1378951	385042
18	475		15° 45'	-	6.9	88° 40'	+11.1	+4.2		5095.8		+416	+228	1378665	384875
19	150		27° 20'	-	6.0	88° 40'	+3.5	-2.5		5089.1		+114	+97	1378363	384744
Σ	0				5.1	-		-5.1		5086.5	X	0	0	1378249	384647
20	259		131° 55'	+13.0	5.0	88° 40'	+6.0	+1.0		5092.6		-212	+149	1378037	384796
21	558		149° 35'	-	7.0	89° 40'	+3.2	-3.8		5087.8		-532	+167	1377717	384814
22	720		174° 30'	-	6.5	90° 30'	-6.3	-12.8		5078.8		-714	-94	1377535	384553
23	884		195° -	-	11.6	90° 50'	-12.9	-24.5		5067.1		-781	-415	1377468	384232
24	1147		206° 40'	+13.0	5.9	91° 30'	-30.0	-35.9		5055.7		-883	-732	1377366	383915
25	1472		209° 15'	-	5.2	91° 30'	-38.5	-43.7		5047.9		-1090	-990	1377159	383657
26	1800		209° 05'	-	8.1	91° 20'	-41.9	-50.0		5041.6		-1336	-1206	1376913	383441
11 p. perma	1879		208° 49' 02"	-	8.6	91° 20'	-43.7	-52.3		5039.3		-1400	-1253	1376849	383394
27	2130		209° -	-	7.3	91° 20'	-49.6	-56.9		5034.7		-1583	-1425	1376666	383222
28	2460	2459.3	208° 46' 55"	-	4.3	91° 20'	-57.2	-61.5			TP	-1834	-1639	1376415	383007
28	2460				4.4	268° 40'	-57.2	-61.6		5030.0	TP		-		
	4072	4071.3	34° 44' 46"	+13.0	10.6	88° 54'	-78.2	-67.6	4962.4		BS	-2738	-3013		
	4072				10.7	271° 06'	-78.2	-67.5			BS		-		

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE	1-2-86	INSTRUMENT MAN	B. Gstamp	ROD MAN	B. Saldivar	PARTY NUMBER	6834	NOTES CHECKED BY	V. H.	LINE NO.	1	PAGE	3	
AREA	ARIZONA	TOPO MAP	King Canyon 7 1/2	STATE	ARIZ.	COUNTY	YAVAPAI	TWP		RANGE		PPM	PARTY MANAGER	J. Mc CLELLAN

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.	
									4962.4					
29	3747		35° 37'	+13.0	4.3	89° -	+65.4	+61.1		5023.5		+2477	+2811	1376154 382804
30	3424		36° 40'	-	6.5	88° 56'	+63.7	+57.2		5019.6		+2216	+2610	1375893 382603
31	3101		38° -	-	7.3	88° 56'	+57.7	+50.4		5012.8		+1952	+2410	1375629 382403
32	2779		39° 30'	-	6.6	88° 56'	+51.7	+45.1		5007.5		+1692	+2205	1375369 382198
33	2461		41° 20'	+13.0	6.7	88° 56'	+45.8	+39.1		5001.5		+1435	+1999	1375112 381992
34	2148		43° 50'	-	6.1	88° 56'	+40.0	+33.9		4996.3		+1175	+1798	1374852 381791
35	1839		47° 15'	-	8.7	88° 50'	+37.4	+28.7		4991.1		+913	+1597	1374590 381590
36	1540		52° -	-	9.7	88° 50'	+31.4	+21.7		4984.1		+651	+1396	1374328 381387
37	1256		58° 55'	-	12.9	88° 50'	+25.6	+12.7		4975.1		+390	+1194	1374067 381187
38	969		67° 15'	-	10.7	89° -	+16.9	+6.2		4968.6		+955	+955	1374632 380948
39	907		80° 52' 02"	+13.0	10.1	89° -	+15.8	+5.7		4968.1	IL	-61	+905	1373616 380898
39	658		74° 38'	-	10.3	89° -	+11.5	+1.2		4963.6		+27	+657	1373704 380650
40	330		77° 15'	-	9.1	89° -	+5.8	-3.3		4959.1		-1	+330	1373676 380323
41	0		77° 15'	-	5.1	-	-	-5.1		4957.3	T	0	0	1373677 379993
42	330		257° 15'	-	7.2	91° 20'	-7.7	-14.9		4947.5		+1	-330	1373678 379663
43	660		- -	+13.0	6.5	91° 20'	-15.4	-21.9		4940.5		+3	-660	1373680 379333
44	990		- -	-	4.2	91° 20'	-23.0	-27.2		4935.2		+4	-990	1373681 379003
45	1318		258° 10'	-	8.0	91° -	-23.0	-31.0		4931.4		+27	-1318	1373704 378675
46	1628		262° 35'	-	8.4	91° -	-28.4	-36.8		4925.6		+158	-1620	1373835 378373
47	1932		266° 40'	-	5.2	90° 50'	-28.1	-33.3		4929.1		+324	-1905	1374001 378088

IL 1373620 x 380885
T - Inter. EL. 49670

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
1-2-86		B. Cstamp		B. SALDIVAR		6834		V.H.		7		4							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
ARIZONA		King Canyon 7E		ARIZ.		YAVAPAI								J. Mc CLELLAN					
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				
									4962.4										
48	2228		264 02 39	+130	7.6	96 30	-19.4	-27.0			TP	+273	-2211	1373950	377.781				
48	2228				7.7	269 30	-19.4	-27.1		4935.3	TP								
	1320		18 29 16	+13.4	11.7	89 -	-23.0	-11.3			BS	-1121	-697						
	1320				11.6	271 -	-23.0	-11.4	4923.9		BS								
49	990		17 55'	-	6.7	89 20	+11.5	+4.8		4928.7		+846	+515	1373675	377.599				
50	660		- -	-	7.5	89 20	+7.7	+0.2		4924.1		+564	+343	1373393	377.427				
51	330		18 25	-	6.7	89 20	+3.8	-2.9		4921.0		+280	+174	1373109	377.258				
52	0				5.1	-		-5.1		4918.8	X	0	0	1372829	377.084				
53	330		214 35	+13.4	4.6	90 20	-1.9	-6.5		4917.4		-221	-245	1372608	376.839				
54	660		- -	-	11.2	90 20	-3.8	-15.0		4908.9		-442	-490	1372387	376.594				
55	990		214 43 06	-	8.8	91 -	-17.3	-26.1			TP	-661	-737	1372168	376.347				
55	990				8.9	269 -	-17.3	-26.2		4897.7	TP								
	2462		34 13 45	+13.4	11.4	89 10	-35.8	-24.4	4873.3		BS	-1659	-1819						
	2462				11.5	270 50	-35.8	-24.3			BS								
56	2132		34 16	-	9.7	89 20	+24.8	+15.1		4888.4		+1436	+1576	1371915	376.104				
57	1802		- -	-	10.9	89 20	+21.0	+10.1		4883.4		+1214	+1332	1371723	375.860				
58	1472		- -	-	10.9	89 20	+17.1	+6.2		4879.5		+991	+1088	1371500	375.616				
59	1142		34 16	-	9.9	89 20	+13.3	+3.4		4876.7		+769	+844	1371278	375.372				
60	812		- -	-	8.7	89 20	+9.4	+0.7		4874.0		+547	+600	1371056	375.128				
61	482		- -	-	6.0	89 20	+5.6	-0.4		4872.9		+325	+356	1370834	374.884				

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DATE	1-2-86	INSTRUMENT MAN	B. Stamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	J.H.	LINE NO.	1	PAGE	5
AREA	ARIZONA	TOPO MAP	King Canyon - 7 1/2	STATE	ARIZ.	COUNTY	YAVAPAI	TWP		RANGE		PPM	
										PARTY MANAGER			J. Mc CLELLAN

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				
									4873.3										
62	152		34° 16'	+13.4	4.7	89° 20'	+1.8	-2.9		4870.4		+102	+112	1370611	374.640				
TP	0				5.1	-		-5.1		4868.2	TP	0	0	1,370,509	374,528				
63	181		228° 30'	-	6.9	90° 30'	-1.6	-8.5		4864.8		-85	-160	1370424	374.368				
64	511		-	-	8.8	90° 30'	-4.5	-13.3		4860.0		-241	-451	1370268	374.077				
65	841		-	-	10.0	90° 30'	-7.3	-17.3		4856.0		-396	-742	1370113	373.786				
66	1171		-	+13.4	12.7	90° 30'	-10.2	-22.4		4850.9		-552	-1033	1369957	373.495				
67	1501		-	-	6.7	90° 50'	-21.8	-28.0		4845.3		-707	-1324	1369802	373.204				
68	1832		-	-	8.2	90° 50'	-26.6	-34.8		4838.5		-863	-1617	1369646	372.911				
69	2161		229° 38'	-	10.2	90° 40'	-25.1	-35.3		4838.0		-980	-1926	1369529	372.602				
Bm	2205		228° 32'	-	10.3	90° 40'	-25.7	-36.0		4837.3	Bm	-1037	-1946	1369472	372.582				U.S.G.S B.M. EL. 4837.4 40 EARTH M.S.
TP	2313		229° 48' 06"	+13.6	10.1	90° 40'	-26.9	-37.0		4836.3	TP	-1036	-2068	1,369,473	372.460				
TP	2313				10.0	269° 20'	-26.9	-36.9			TP								
	3158		73° 35' 39"	+13.6	9.3	89° 20'	-36.7	-27.4			BS	-155	-3154						
	3158				9.2	270° 40'	-36.7	-27.5	4808.8		BS								
70	2970		72° 55'	-	9.0	89° 20'	+34.6	+25.6		4834.4		+180	+2965	1369498	372.271				
71	2640		-	-	8.9	89° 20'	+30.7	+21.8		4830.6		+160	+2635	1369478	371.941				
72	2310		-	-	9.0	89° 20'	+26.9	+17.9		4826.7		+140	+2306	1369458	371.612				
73	1980		-	-	6.7	89° 20'	+23.0	+16.3		4825.1		+120	+1976	1369438	371.282				
74	1650		-	-	6.0	89° 20'	+19.2	+13.2		4822.0		+100	+1647	1369418	370.953				
75	1320		-	-	4.8	89° 20'	+15.4	+10.6		4819.4		+80	+1318	1369398	370.624				

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1-2-86		B. Cotcamp		B. SALDIVAR		6834		J. H.		1		6			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		King Canyon - 7 1/2'		ARIZ.		YAVAPAI								J.M. CLELLAN	
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
									4808.8						
76	990		72 55'	+13.6	6.3	89 20'	+11.5	+5.2		4814.0		+60	+988	1369378	370,294
77	660		- -	-	6.4	89 20'	+7.7	+1.3		4810.1		+40	+659	1369358	369,965
78	330		- -	-	4.2	89 20'	+3.6	-0.4		4808.4		+20	+329	1369338	369,635
79	0				5.1	-		-5.1		4803.7	K	0	0	1,369,318	369,306
80	330		252 55'	-	8.0	90 30'	-2.9	-10.9		4797.9		-20	-329	1369298	368,977
81	660		- -	-	8.5	90 30'	-5.8	-14.3		4794.5		-40	-659	1369278	368,647
82	990		- -	-	8.2	90 30'	-8.6	-16.8		4792.0		-60	-988	1369258	368,318
83	1320		- -	-	8.4	90 30'	-11.5	-19.9		4788.9		-80	-1318	1369238	367,988
84	1650		- -	+13.6	8.8	90 30'	-14.4	-23.2		4785.6		-100	-1647	1369218	367,659
85	1980		- -	-	8.7	90 30'	-17.3	-26.0		4782.8		-120	-1976	1369198	367,330
Bm	2181		251 48 06	-	7.7	90 30'	-19.0	-26.7		4782.1	Bm	-175	-2174	1,369,143	367,132
86	2307		253 40'	-	8.9	90 30'	-20.1	-29.0		4779.8		-110	-2304	1,369,208	367,002
87	2631		255 10'	-	6.7	90 30'	-23.0	-29.7		4779.1		-57	-2630	1,369,261	366,676
88	2951		256 43 20	-	5.8	90 30'	-25.8	-31.6		4777.2	TP	+17	-2951	1,369,335	366,355
88	2951				5.7	269 30'	-25.8	-31.5			TP				
	5280		92 02 12	+13.2	6.7	89 50'	-15.4	-8.7	4768.5		BS	+1388	-5094		
	5280				6.8	270 10'	-15.4	-8.6			BS				
89	4950		92 02'	-	8.3	89 50'	+14.4	+6.1		4774.6		-1301	+4776	1369416	366,037
90	4620		- -	-	10.2	89 50'	+13.4	+3.2		4771.7		-1214	+4458	1369509	365,719
91	4290		- -	-	11.6	89 50'	+12.5	+0.9		4769.4		-1127	+4139	1369596	365,400

1,369,180 x 367,135
U.S.G.S. Bm, EL. 4782.0
39 EMT 1973

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
1-2-86		B. Cot camp		B. SALDIVAR		6834		B.C.		1		7							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
ARIZONA		King Canyon - 7 1/2		ARIZ.		YAVAPAI								J. Mc CLELLAN					
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				
									4768.5										
92	3760		92 -	+13.2	1.2	-		-1.2		4767.3		-1038	+3821	1369685	365.082				
93	3630		- -	--	5.9	-		-5.9		4762.4		-952	+3503	1369771	364.764				
94	3300		- -	--	11.5	-		-11.5		4757.0		-865	+3185	1369858	364.446				
95	2970		- -	--	4.9	BH	+14.9	-19.8		4748.7		-779	+2866	1369944	364.127				
96	2640		91° 52'	+13.2	8.7	BH	-13.2	-21.9		4746.6		-686	+2549	1370037	363.810				
97	2310		- -	--	11.0	BH	-11.6	-22.6		4745.9		-600	+2231	1370123	363.492				
98	1980		91° 50'	-	12.9	BH	-9.9	-22.8		4745.7		-514	+1912	1370209	363.173				
99	1650		- -	-	12.9	90° 20'	-9.6	-22.5		4746.0		-428	+1594	1370295	362.855				
100	1320		91° 30'	-	11.1	90° 30'	-11.5	-22.6		4745.9		-335	+1277	1370388	362.538			King Canyon - 7 1/2	
101	990		91° 20'	+13.2	11.7	90° 30'	-8.6	-20.3		4748.2		-248	+958	1370475	362.219			CHINO VALLEY NORTH - 7 1/2	
102	660		90° 55'	-	13.0	90° 30'	-5.8	-18.8		4749.5		-161	+640	1370562	361.901				
103	330		89° 40'	-	10.6	90° 30'	-2.9	-13.5		4755.0		-73	+322	1370650	361.583				
104	0				5.1	-		-5.1		4763.4	A	0	0	1,370,723	361.261				
Bm	144		306° 38' 09"	-	6.3	86° 30'	+8.8	+2.5		4771.0	Bm	+110	-93	1,370,833	361.168			ACROSS FLAG	
105	334		281° 15'	-	4.3	90° 10'	-1.0	-5.3		4763.2		+138	-304	1370861	360.957			3-1,370,890 X-361,140	
106	664		- -	+13.2	9.4	90° 10'	-1.9	-11.3		4757.2		+275	-604	1370998	360.657			U.S.G.S. Bm. EL. 4763.0	
107	994		281° 40'	-	8.1	90° 30'	-8.7	-16.8		4751.5		+418	-902	1371141	360.359				
108	1324		- -	-	9.2	90° 30'	-11.6	-20.8		4747.7		+557	-1201	1371280	360.060				
109	1654		281° 50'	-	7.4	90° 30'	-14.4	-21.8		4746.7		+700	-1499	1371423	359.762				
110	1984		- -	-	4.7	90° 30'	-17.3	-22.0		4746.5		+840	-1798	1371563	359.463				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE: 1-2-86 INSTRUMENT MAN: B. Cotcamp ROD MAN: B. SALDIVAR PARTY NUMBER: 6834 NOTES CHECKED BY: R.P. LINE NO.: 1 PAGE: 8
 AREA: ARIZONA TOPO MAP: CHINO VALLEY NORTH-7 1/2' STATE: ARIZ. COUNTY: YAVAPAI TWP: RANGE: PPM: PARTY MANAGER: J. McCLELLAN

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				
									47685										
111	2314		281 58	+13.2	9.2	90° 20'	-13.5	-22.7		4745.8		+984	-2094	1371707	359.167				
112	2644		282 -	--	10.9	90° 20'	-15.4	-26.3		4742.2		+1126	-2392	1371849	358.869				
113	2974		- -	--	5.1	90° 20'	-17.3	-22.4		4746.1		+1266	-2691	1371989	358.570				
114	3304		282 08	--	9.3	90° 14'	-13.5	-22.8		4745.7		+1414	-2986	1372137	358.275				
115	3634		- -	+13.2	12.2	90° 14'	-14.8	-27.0		4741.5		+1555	-3285	1372278	357.976				
116	3964		282 10	--	9.3	90° 14'	-16.1	-25.4		4743.1		+1698	-3582	1372401	357.679				
117	4294		- -	--	5.9	90° 14'	-17.5	-23.4		4745.1		+1840	-3880	1372563	357.381				
118	4624		- -	--	4.9	90° 14'	-18.8	-23.7		4744.8		+1981	-4178	1372704	357.083				
119	4954		- -	--	7.9	90° 10'	-14.4	-22.3		4746.2		+2122	-4476	1372845	356.785				
120	5074		282 03 40	--	7.6	90° 10'	-14.8	-22.4		4746.1	TP	+2165	-4589	1372888	356.672			y=1.372920x-356.690 T-Intersect	
120	5284		282 09 14	--	5.5	90° 10'	-15.4	-20.9			TP	+2263	-4775	1372986	356.486				
120	5284				5.2	269° 50'	-15.4	-20.6	2083	4747.7	TP								
	982		94 31 03	+13.2	4.0	-		+4.0	4751.7		BS	+299	-935						
	982				3.9	270° -		+3.9			BS								
121	653		94 50	--	4.0	-		-4.0		4747.7		-202	+621	1373084	356.172				
122	324		92 10	--	6.2	-		-6.2		4745.5		-86	+312	1373199	355.863				
123	0				5.1	-		-5.1		4746.6	X	0	0	1373285	355.551				
124	330		234 20	--	4.8	93° -	-17.3	-22.1		4729.6		-126	-305	1373159	355.246				
125	654		240 35	--	5.9	92° -	-22.8	-28.7		4723.0		-183	-628	1373102	354.923				
126	977		245 05	--	7.4	91° 40'	-28.4	-35.8		4715.9		-198	-957	1373087	354.594				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-2-86		B. Cotcamp		B. SALDIVAR		6834		B.C.		1		9			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZ.		Chino Valley North 7 1/2		ARIZ.		YAVAPI								J. McClellan	
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
									4751.7						
127	1305		247 30	+13.2	4.0	91° 40'	-38.0	-42.0		4709.7		-211	-1288	1373074	354,263
128	1633	1632.9	248 42	-	4.9	91° 30'	-42.7	-47.6		4704.1	TP	-230	-1616	1,373,055	353,935
128	1633				4.8	268° 30'	-42.7	-47.5			TP				
	3535		68 47 25	+13.2	14.6	89° 04'	-57.6	-43.0			BS	-493	-3500		
	3535				14.3	270° 56'	-57.6	-43.3	-438.46610		BS				
129	3206		68 18	-	10.3	89° 10'	+46.6	+36.3		4697.3		+474	+3171	1373036	353,606
130	2878		67 43	-	11.4	89° 16'	+41.9	+30.5		4691.5		+454	+2842	1373016	353,277
131	2550		66 55	-	7.3	89° 18'	+31.2	+23.9		4684.9		+438	+2512	1373000	352,947
132	2223		65 55	-	9.3	89° 18'	+27.2	+17.9		4678.9		+420	+2183	1372982	352,618
133	1897		64 28	-	8.0	89° 20'	+22.1	+14.1		4675.1		+405	+1853	1372967	352,288
134	1573		62 30	+13.2	8.2	89° 20'	+18.3	+10.1		4671.1		+389	+1524	1372951	351,959
135	1252		59 30	-	9.0	89° 20'	+14.6	+5.6		4666.6		+372	+1195	1372934	351,630
Bm	996		60 02 10	-	8.6	89° 20'	+11.6	+3.0		4664.0	Bm	+287	+954	1,372,849	351,389
136	936		54 25	-	9.9	89° 20'	+10.9	+1.0		4662.0		+356	+865	1372918	351,300
137	635		44 25	-	8.7	89° 20'	+7.4	-1.3		4659.7		+340	+536	1372902	350,971
138	330		34 -	-	6.7	89° 20'	+3.8	-2.9		4658.1		+224	+242	1372786	350,671
139	0				5.1	-		-5.1		4655.9	X	0	0	1,372,562	350,435
140	330		213 40	+13.2	5.6	90° 20'	-1.9	-7.5		4653.5		-226	-241	1372336	350,194
141	631		227 -	-	9.0	90° 20'	-3.7	-12.7		4648.3		-314	-548	1372248	349,887
142	930		237 10	-	9.3	90° 20'	-5.4	-14.7		4646.3		-312	-876	1372250	349,559

J. 1,372,810 x - 351,380
 N.S.G.S. B.M. EL. 4664.0
 37° 24' 19" N

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	1-2-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.	LINE NO.	1	PAGE	10
AREA	ARIZONA	TOPO MAP	CHINO VALLEY North-7 1/2	STATE	ARIZ.	COUNTY	SAVAPI	TWP		RANGE		PPM	
										PARTY MANAGER		J. McCLELLAN	

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.	
									4661.0					
143	1245		242° 25'	+132	7.9	90° 20'	-7.2	-15.1		4645.9		-309	-1206	1372253 349,229
144	1567		245° 30'	-	8.9	90° 20'	-9.1	-18.0		4643.0		-307	-1537	1372255 348,898
145	1890		247° 30'	--	10.3	90° 30'	-16.5	-26.8		4634.2		-305	-1865	1372257 348,570
146	2217		248° 55'	--	4.7	90° 30'	-19.3	-24.0		4637.0		-304	-2196	1372258 348,239
147	2544		250° 05'	--	11.1	90° 20'	-14.8	-25.9		4635.1		-298	-2527	1372264 347,908
148	2856		251° 52'	--	6.4	90° 30'	-24.9	-21.3		4629.7		-246	-2845	1372316 347,590
149	3086		256° 30'	-	10.3	90° 30'	-26.9	-37.2		4623.8		-16	-3086	1372546 347,349
150	3340		260° 20'	-	11.6	90° 30'	-29.1	-40.7		4620.3		+206	-3334	1372768 347,101
151	3655		260° 49' 54"	+129	11.3	90° 30'	-31.9	-43.2	-43.13	4617.9	TP	+236	-3647	1,372,798 346,788
151	3655				11.0	269° 30'	-31.9	-42.9		TP				
	2929		67° 20' 40"	-	14.1	90° 14'	+11.9	+26.0			BS	-496	-2887	
	2929				13.8	269° 46'	+11.9	+25.7	+25.93	4643.8	BS	-2		
151	2823		67° 37' 46"	--	9.8	90° 20'	-16.4	-26.2		4617.6	TP	+464	+2784	1,372,764 346,685 TP -1,372-785 x -346,700 R.R. Tracks
152	2599		67° 54'	+129	6.3	90° 34'	-25.7	-32.0		4611.8		+416	+2566	1372716 346,467
153	2276		69° 27'	-	5.9	91° 10'	-46.3	-52.2		4591.6		+303	+2256	1372603 346,157
154	1958		71° 42'	-	5.9	91° 40'	-56.9	-62.8		4581.0		+184	+1949	1372484 345,850
155	1644		74° 55'	-	10.5	91° 50'	-52.6	-63.1		4580.7		+63	+1643	1372363 345,544
156	1320		76° 20'	-	9.0	92° 10'	-49.9	-58.9		4584.9		+18	+1320	1372318 345,221
157	990		-	-	10.2	92° 30'	-43.2	-53.4		4590.4		+13	+990	1372313 344,891
158	660		-	-	13.0	92° 30'	-28.8	-41.8		4602.0		+9	+660	1372309 344,561

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-2-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.	LINE NO.	1	PAGE	11	
AREA	ARIZONA	TOPO MAP	CHINO VALLEY NORTH - 7 1/2	STATE	ARIZ.	COUNTY	YAVAPI	TWP		RANGE		PPM	PARTY MANAGER	J. McCLELLAN

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				
									4643.8										
159	330		76 20	+12.9	9.8	92 30	-14.4	-24.2		4619.6		+ 4	+330	1372304	344.231				
160	0				5.1	-		-5.1		4638.7	TP	0	0	1,372,300	343.901				
161	330		257 38	~	4.8	89 30	+2.9	-1.9		4641.9		+3	-330	1372303	343.571				
162	660		- -	~	7.1	89 30	+5.8	-1.3		4642.5		+6	-660	1372306	343.241				
163	990		- -	~	9.4	89 30	+8.6	-0.8		4643.0		+9	-990	1372309	342.911				
164	1320		- -	-	7.2	89 40	+7.7	+0.5		4644.3		+12	-1320	1372312	342.581				
165	1650		257 38	+12.9	8.2	89 40	+9.6	+1.4		4645.2		+15	-1650	1372315	342.251				
166	1980		- -	-	9.1	89 40	+11.5	+2.4		4646.2		+18	-1980	1372318	341.921				
167	2310		- -	~	9.8	89 40	+13.4	+3.6		4647.4		+22	-2310	1372322	341.591				
168	2640		- -	~	9.0	89 40	+15.4	+6.4		4650.2		+25	-2640	1372325	341.261				
169	2970		- -	-	6.3	89 40	+17.3	+11.0		4654.8		+28	-2970	1372328	340.931				
170	3300		257 28 20	~	3.7	89 40	+19.2	+15.5		4659.3	TP	+21	-3300	1,372,319	340.601				
170	3300				3.6	270 20	+19.2	+15.6			TP	-2							
	2413		78 31 03	+12.7	9.3	BM	+12.1	+21.4			BS	+51	-2412						
	2413				9.0	BM 270	+12.1	+21.1	+21.2	4680.5	BS	-2							
171	2082		78 17	~	7.9	BM	-10.4	-18.3		4662.2		-36	+2082	1372332	340.271				
172	1752		- -	-	7.8	BM	-8.8	-16.6		4663.9		-30	+1752	1372338	339.941				
173	1422		78 20	-	8.0	BM	-7.1	-15.1		4665.4		-26	+1422	1372342	339.611				
174	1092		- -	-	7.2	BM	-5.5	-12.7		4667.8		-20	+1092	1372348	339.281				
1/2	930		78 45 14	-	9.7	-		-9.7		4670.8	1/2	-24	+930	1,372,344	339.119				1,372,310 x - 339,110 High. 289

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 1-2-86	INSTRUMENT MAN B. Stcamp	ROD MAN B. SALDIVAR	PARTY NUMBER 6834	NOTES CHECKED BY B.C	LINE NO. 1	PAGE 12
AREA ARIZONA	TOPO MAP CHINO VALLEY North-74	STATE ARIZ.	COUNTY YAVAPI	TWP	RANGE	PPM
				PARTY MANAGER J. McCLELLAN		

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				
									4680.5										
175	762		77° 05'	+12.7	8.2	-		-8.2		4672.3		+3	+762	1372371	338.951				
176	432		76° -	-	6.5	TH	+2.2	-4.3		4676.2		+10	+432	1372378	338.621				
177	106		64° 05'	-	4.0	-		-4.0		4676.5		+24	+103	1372392	338.292				
π	0				5.1	-		-5.1		4675.4	π	0	0	1,372,368	338.189				
178	229		265° 45'	+12.7	8.8	-		-8.8		4671.7		+34	-227	1372402	337.962				
179	558		261° 20'	-	11.8	-		-11.8		4668.7		+39	-557	1372407	337.632				
180	887		259° 55'	-	9.1	-		-9.1		4671.4		+40	-886	1372408	337.303				
181	1216		259° 20'	-	7.8	-		-7.8		4672.7		+43	-1215	1372411	336.974				
182	1546		259° -	+12.7	6.5	-		-6.5		4674.0		+46	-1545	1372414	336.644				
183	1876		258° 50'	-	4.8	-		-4.8		4675.7		+50	-1875	1372418	336.314				
184	2206		258° 45'	-	8.3	89° 50'	+6.4	-1.9		4678.6		+56	-2205	1372424	335.984				
185	2536		-	-	6.4	89° 50'	+7.4	+1.0		4681.5		+64	-2535	1372432	335.654				
TP TP	2684		258° 25' 30"	-	4.2	89° 50'	+7.8	+3.6		4684.1	TP	+53	-2683	1,372,419	335.506				y = 1,372,385 x = 335,505 TP T-inter.
TP TP	2684				4.1	70° 10'	+7.8	+3.7			TP	-2							* NOTE - 1320' OFFSET North between 185+186
	1434		148° 08' 58"	+12.7	11.6	89° -	-25.0	-13.4			BS	+1354	-470						
	1434				11.5	271° -	-25.0	-13.5	4670.6		BS	-2							
#	485		81° 53' 30"	-	1.9	-		-1.9		4668.7	#	-39	+483	1,373,732	335.519				y = 1,373,700 x = 335,510 # 4 way inter. EL. 4680
186	330		80° -	-	4.0	-		-4.0		4666.6		-16	+330	1373755	335.366				
187	0				5.1	-		-5.1		4665.5	π	0	0	1,373,771	335.036				
188	330		259° 05'	-	5.2	TH	+1.7	-3.5		4667.1		+10	-330	1373781	334.706				

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 1-2-86 INSTRUMENT MAN B. Cotcamp ROD MAN B. Sazoviar PARTY NUMBER 6834 NOTES CHECKED BY B.C. LINE NO. 31 PAGE 13
 AREA ARIZONA TOPO MAP Chino Valley North STATE ARIZ. COUNTY YAVAPA TWP RANGE PPM PARTY MANAGER J. McCLELLAN

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				
									4670.6										
189	660		259° 05'	+12.7	4.2	74°	+3.3	-0.9		4669.7		+21	-660	1373792	334.376				
190	990		- -	-	5.3	89° 30'	+8.6	+3.3		4673.9		+31	-990	1373802	334.046				
191	1320		- -	-	5.9	89° 30'	+11.5	+5.6		4676.2		+41	-1319	1373812	333.717				
192	1650		259° 09'	+12.6	8.3	89° 30'	+14.4	+6.1		4676.7	TP	+50	-1649	1373.819	333.387				
192	1650				8.2	270° 30'	+14.4	+6.2			TP	-2							
	1458		79° 10' 40"	-	+0.5	91°	+25.4	+25.9			BS	+45	-1457						
	1458				+0.4	269°	+25.4	+25.8	4702.5		BS	-2							
193	1127		79° 10'	-	6.1	91°	-19.7	-25.7		4676.8		-35	+1126	1373827	333.056				
194	797		- -	-	9.3	91°	-13.9	-23.2		4679.3		-25	+797	1373837	332.727				
195	467		- -	-	12.7	91°	-8.2	-20.9		4681.6		-14	+467	1373848	332.317				
196	137		- -	-	7.1	91°	-2.4	-9.5		4693.0		-4	+137	1373858	332.067				
X	0				5.1	-		-5.1		4697.4	X	0	0	1373.862	331.930				
197	195		259° 13'	+12.6	12.8	84°	-1.0	-13.8		4688.7		+6	-195	1373868	331.735				
198	525		- -	-	7.8	91°	-9.2	-17.0		4685.5		+17	-525	1373879	331.405				
199	855		- -	-	9.8	84°	-4.3	-14.1		4688.4		+27	-855	1373889	331.075				
IF	855		258° 20' 03"	-	13.8	-		-13.8		4688.7	IF	+14	-855	1373.876	331.075				J-1373.830 X-331.075 IF-J-Inter EL. 4688.0
200	1185		259° 13'	-	10.2	-		-10.2		4692.3		+38	-1184	1373900	330.746				
TP	1415		259° 15' 52"	-	5.7	-		-5.7	563	4696.9	TP	+46	-1414	1,373.906	330.516				
TP	1415				5.4	270°		-5.4			TP	-2							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-3-86		B. Cotcamp		B. SALDIVAR		6834		B.C.		31		14			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZ.		CHINO VALLEY NORTH-74		ARIZ.		YAVAPAI								J. McCLELLAN	
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
									4696.9						
	1088		77° 10' 58"	+12.6	12.4	89° -	-19.0	-6.6	4690.3		BS	-4	-1088	850	
	1088				+12.3	271° -	-19.0	-6.7		BS					
201	990		77° 08'	-	6.0	89° 30'	+8.6	+2.6		4692.9		+5	+990	1373907	330.418
202	660		-	-	10.2	90° 30'	-5.8	-16.0		4674.3		+3	+660	1373905	330.088
203	330		-	-	6.3	90° 30'	-2.9	-9.2		4681.1		+2	+330	1373904	329.758
204	0				5.1	-		-5.1		4685.2	TP	0	0	1373902	329.428
205	330		256° 46'	+12.6	6.2	93° -	-17.3	-23.5		4666.8		-4	-330	1373898	329.098
206	660		-	-	7.6	92° 20'	-26.9	-34.5		4655.8		-7	-660	1373895	328.768
207	990		-	-	11.6	91° 40'	-28.8	-40.4		4649.9		-11	-990	1373891	328.438
208	1320		-	-	7.2	91° 30'	-34.6	-41.8		4648.5		-15	-1320	1373887	328.108
209	1400		256° 17' 27"	-	4.4	91° 30'	-36.6	-41.0		4649.3		-27	-1400	1373875	328.028
209	1650		256° 46'	+12.6	7.4	91° 10'	-33.6	-41.0		4649.3		-18	-1650	1373884	327.778
210	1980		-	-	9.4	90° 50'	-28.8	-38.2		4652.1		-22	-1980	1373880	327.448
211	2307		-	-	9.6	90° 30'	-20.1	-29.7		4660.6		-26	-2307	1373876	327.121
212	2637		256° 46'	-	10.4	-		-10.4		4679.9		-29	-2637	1373873	326.791
213	2966		256° 38'	-	9.9	-		-9.9		4680.4		-40	-2966	1373862	326.462
214	3296		-	-	4.5	-		-4.5		4685.8		-44	-3296	1373858	326.132
215	3625		-	-	9.4	TH	+18.1	+8.7		4699.0		-49	-3625	1373853	325.803
216	3954		256° 41' 18"	-	3.2	TH	+19.8	+16.6	4700.3		TP	-49	-3954	1373853	325.474
216	3954				2.5	TH 270	+19.8	+17.3			4707.3	TP			

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-3-86		B. Lotcamp		B. SALDIVAR		6834		B.C.		3		15			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		SULLIVAN Buttes-76		ARIZ.		YAVAPA								J. McCLELLAN	
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
										4707.3					
	2506		75° 57' 01"	+12.6	11.9	-		+11.9	4719.2		BS	-63	-2505		
	2506			+11.8	270	-		+11.8		BS					
217	2176		76° -	-	6.1	BH	-10.9	-17.0		4702.2		+53	+2175	1373843	325.144
218	1846		- - -	-	6.2	90° 30'	-16.1	-22.3		4696.9		+45	+1845	1373835	324.814
#1	1673		76° 09' 24"	-	2.0	90° 30'	-14.6	-16.6		4702.6	#1	+36	+1673	1,373,826	324,642 #1 y-1373.800 x-324,640 T-inter.
219	1516		76° -	-	10.9	90° 30'	-13.2	-24.1		4695.1		+37	+1516	1373827	324.485
220	1186		- -	+12.6	12.1	91° -	-20.7	-32.8		4686.4		+29	+1186	1373819	324.155
221	857		- -	-	12.0	91° -	-15.0	-27.0		4692.2		+21	+857	1373811	323.826
222	527		- -	-	12.1	91° 20'	-12.3	-24.4		4694.8		+13	+527	1373803	323.496
223	197		- -	-	11.4	91° 20'	-4.6	-16.0		4703.2		+5	+197	1373795	323.166
X	0				5.1	-		-5.1		4714.1	X	0	0	1,373,790	322,969
224	132		256° 11'	+12.6	7.1	91° 20'	-3.1	-10.2		4709.0		-3	-132	1373787	322.837
225	462		- -	-	8.6	-		-8.6		4710.6		-10	-462	1373780	322.507
226	792		- -	-	7.3	TH	+4.0	-3.3		4715.9		-17	-792	1373773	322.177
227	1122		- - -	-	10.2	89° -	+19.6	+9.4		4728.6		-24	-1122	1373766	321.847
#F	1374		256° 02' 09"	-	4.9	88° 40'	+32.0	+27.1		4746.3		-33	-1374	1373757	321.595
228	1450	1449.4	256° 11'	+12.6	9.0	88° 20'	+42.2	+33.2		4752.4		-31	-1449	1373759	321.520
229	1780	1779.1	- -	-	7.7	88° 10'	+57.0	+49.2		4768.4		-38	-1779	1373752	321.190
230	2110	2108.5	- -	-	5.4	87° 50'	+79.8	+74.4		4793.6		-45	-2108	1373745	320.861
231	2440	2438.0	- -	-	7.8	87° 40'	+99.3	+91.5		4810.7		-52	-2437	1373738	320.532

NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE						
1-6-86		B. Cotcamp		B. SALDIVAR		6834		B.S.		1		17						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER				
ARIZONA		SULLIVAN Buttes-78		ARIZ.		YAVAPAI								J. M. CLELLAN				
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			
									4872.5						1374.552	317.305		
	1648		81 26 34	+12.7	+14.9	91 32	+44.1	+59.0	4931.5		BS	+119	-1643					
	1648				+14.9	268 28	+44.1	+59.0			BS	+	-3					
242	1318		81 05	-	10.1	92 20	-53.7	-63.8		4867.7		-87	+1315	1374585	316980			
243	989		- -	-	5.9	93 20	-57.5	-63.4		4868.1		-65	+987	1374607	316652			
+	924		81 52 57	-	5.4	93 20	-53.7	-59.1		4872.4	+	-74	+919	1374598	316584		By 1374.005 x - 316.595 4 way enter.	
244	660		82° 10'	-	11.3	93 -	-34.5	-45.8		4885.7		-56	+658	1374616	316323			
245	330		- -	-	9.4	93 -	-17.3	-26.7		4904.8		-28	+329	1374644	315994			
246	0				5.1	-		-5.1		4926.4	T	0	0	1374672	315659			
247	330		262 20	+12.7	8.1	89 -	+15.8	-2.3		4929.2		+29	-329	1374701	315336			
248	660		261 50	-	4.0	88 30	+17.3	+13.3		4944.8		+52	-658	374724	315007			
TP	710		262 02 27	-	7.8	88 30	+18.6	+10.8			TP	+59	-707	1374732	314949			
TP	710				7.7	271 30	+18.6	+10.9		4942.4	TP	+	-3					
	2237	2234.9	62 35 59	+12.7	3.7	92 30	+97.6	+101.3	5043.7		BS	-567	-2162					
	2237				3.6	267 30	+97.6	+101.2			BS	+	-3					
249	1975		59 55	-	6.6	92 50	-97.6	-104.2		4939.5		+590	+1885	1374756	314669			
250	1672		55 50	-	8.8	93 -	-87.5	-96.3		4947.4		+612	+1556	1374778	314340			
251	1384		49 45	-	8.8	93 20	-80.5	-89.3		4954.4		+640	+1227	1374806	314011			
+	1027	1024.1	79 14 39	-	4.2	94 20	-77.6	-81.8		4961.9	+	-35	+1023	1374131	313802		By 1374.165 x - 313.825 Section corner of 4963.0	
252	877		77 -	-	11.2	94 30	-68.8	-80.0		4963.7		+5	+877	1374171	313661			
253	552		73 10	-	8.5	96 30	-62.5	-71.0		4972.7		+40	+551	1374206	313335			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-6-86		B. Cotcamp		B. SALDIVAR		6834		B.S				18			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		Sullivan Buttes-7 1/2		ARIZ.		YAVAPAI								J. McCLELLAN	
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
									5043.7						
254	249		52° 55'	+12.7	5.9	101° 20'	-48.9	-54.8		4988.9		+103	+227	1374269	313,011
$\bar{\pi}$	0				5.1	-		-5.1		5038.6	$\bar{\pi}$	0	0	1374166	312784
255	154		309° 30'	--	6.1	95° 40'	-15.2	-21.3		5022.4		+122	-94	1374286	312690
256	259		206° 55'	--	4.6	95° 40'	-25.6	-30.2		5013.5		-200	-165	1373966	312619
257	535		206° 40'	-	12.9	92° 20'	-21.8	-34.7		5009.0		-414	-339	1373752	312445
258	831		202° 40'	-	12.1	91° 26'	-20.8	-32.9		5010.8		-678	-481	1373488	312303
TP259	1093		191° 46' 24"	-	11.9	90° 14'	-4.5	-16.4		5027.3	TP	-995	-453	1373172	312327
TP259	1093				11.8	269° 46'	-4.5	-16.3			TP	+1	-4		
	389	388.1	16° 06' 50"	+12.7	10.0	94° -	+27.1	+37.1		5064.4	BS	-340	-187		
	389				9.9	266° -	+27.1	+37.0			BS	+1	-4		
260	222		77° 55'	-	10.2	94° -	-15.5	-25.7		5038.7		-2	+222	1372831	312358
$\bar{\pi}$	0				5.1	-		-5.1		5059.3	$\bar{\pi}$	0	0	1372833	312,136
261	104		259° 15'	-	5.1	90° 30'	-0.9	-6.0		5058.1		+4	-104	1372837	312032
TP	206		256° 45' 34"	-	10.0	90° 30'	-1.8	-11.8		5052.6	TP	-2	-206	1372832	311926
TP	206				10.0	269° 30'	-1.8	-11.8			TP	+1	-4		
	940		14° 44' 30"	+12.7	12.6	89° -	-16.4	-3.8		5048.8	BS	-834	-433		
	940				12.5	271° -	-16.4	-3.9			BS	+1	-4		
262	742		14° 55'	-	6.8	89° 40'	+4.3	-2.5		5046.3		+657	+344	1372656	311833
263	417		18° 20'	-	10.7	89° 40'	+2.4	-8.3		5040.5		+357	+215	1372356	311704
264	94		10° 35'	-	8.1	89° 40'	+0.5	-7.6		5041.2		+86	+37	1372085	311526

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE	1-6-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S.	LINE NO.	1	PAGE	19	
AREA	ARIZONA	TOPO MAP	Sullivan Buttes-7E	STATE	ARIZONA	COUNTY	YAVAPAI	TWP		RANGE		PPM	PARTY MANAGER	J. MCCLELLAN

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				
									5048.8										
π	0				5.1	-		-5.1		5043.7	π	0	0	1371.999	311.489				
265	240		214 45	+12.7	4.7	88.40	+5.6	+0.9		5049.7		-162	-177	1371.837	311.312				
TP	326		214 58 22	-	6.7	89 -	+5.7	-1.0		5047.8	TP	-219	-241	1371.781	311.244				
TP	326				6.6	271 -	+5.7	-0.9			TP	"	"						
	423		43 34 54	--	3.6	89 -	-7.4	-3.8	5044.0		BS	-235	-352						
	423				3.5	271 -	-7.4	-3.9			BS	"	"						
266	188		51 -	+12.7	5.3	89 -	+3.3	-2.0		5042.0		+83	+169	1371.630	311.057				
π	0				5.1	-		-5.1		5038.9	π	0	0	1371.547	310.888				
π	18		140 04 10	-	4.8	91 -	-0.3	-5.1		5038.9	#	-16	+8	1371.531	310.896	#	40.95	1371.600 x 310.946	
267	143		174 -	-	4.6	-		-4.6		5039.4		-142	-17	1371.405	310.871				
TP	371		169 50 06		10.8	89 -	+6.5	-4.3			TP	-371	-16	1371.177	310.868				
TP	371				10.7	271 -	+6.5	-4.2		5039.8	TP	"	"						

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
1-7-86		B. Cotcamp		B. SALDIVAR		6834		B.S.			1		20		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		Sullivan Buttes-7k		ARIZ.		YAVAPAI								J. McCLELLAN	
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
									5039.8						
	2453	24520	350 09 55	+12.7	9.3	91 40	+71.3	+80.6			BS	-2449	-123		
	2453				+9.6	268 20	+71.3	+80.9	5083	51206	BS	+	-4		
268	2354		349 55	-	13.0	91 45	-71.9	-84.9		5035.7		+2352	+107	1371.081	310,848
269	2071		352 58	-	13.0	91 52	-67.5	-80.5		5040.1		+2061	+204	1370.790	310,945
270	1965		1 20	-	5.4	92 -	-68.6	-74.0		5046.6		+1906	+476	1370.635	311,217
271	1643		2 50	-	11.6	92 20	-66.9	-78.5		5042.1		+1583	+440	1370.312	311,181
272	1317		0 55	+12.7	6.6	92 50	-65.1	-71.7		5048.9		+1280	+310	1370.009	311,051
273	1006		356 25	-	8.4	93 10	-55.6	-64.0		5056.6		+993	+159	1369.722	310,900
274	755		350 15	-	9.8	93 10	-41.7	-51.5		5069.1		+754	+39	1369.483	310,780
275	425		-	-	11.3	93 40	-27.2	-38.5		5082.1		+424	+22	1369.153	310,763
276	75		-	-	8.1	93 40	-6.1	-14.2		5106.4	7	+95	+5	1368.824	310,746
	0		-	-	5.1	-	-	-5.1		5115.5	7	0	0	1368.729	310,741
277	236		169 35	+12.7	8.6	93 40	-15.1	-23.7		5096.9		-236	-9	1368.493	310,732
278	565		167 19	-	10.7	92 -	-19.7	-30.4		5090.2		-565	±0	1368.164	310,741
279	875		-	-	10.1	91 20	-20.8	-30.9		5089.7		-895	±0	1367.834	310,741
280	1224		167 28 45	-	5.6	90 20	-7.1	-12.7		5107.9	TP	-1224	-4	1367.506	310,733
280	1224			-	5.7	269 40	-7.1	-12.8			TP	+	-4		
	1648		346 43 40	-	3.4	89 40	-9.6	-6.2			BS	-1648	+16		
	1648				3.5	270 20	-9.6	-6.1	5101.8		BS	+	-4		

4.9 - 368885 x 310,800
7.7 4way Inter.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-7-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S.	LINE NO.	1	PAGE	21
AREA	ARIZONA	TOPO MAP	SULLIVAN Buttes-7k	STATE	ARIZ.	COUNTY	YAVAPAI	TWP		RANGE		PPM	
										PARTY MANAGER		J. Mc CLELLAN	

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				
									5101.8										
281	1320		346 43	+12.7	9.0	90 10	-3.8	-12.8		5089.0		+1320	-13	1362,179	310,732				
282	990		- -	--	12.0	90 10	-2.9	-14.9		5086.9		+990	-10	1366,849	310,735				
283	660		- -	--	8.0	91 10	-13.4	-21.4		5080.4		+660	-7	1364,519	310,738				
284	330		- -	--	8.0	91 10	-6.7	-14.7		5087.1		+330	-3	1366,189	310,742				
285	0		.		5.1	-		-5.1		5096.7	X	0	0	1365,859	310,745				
286	330		166 43	+12.7	10.0	93	-17.3	-27.3		5074.5		-330	+3	1365,529	310,748				
287	660		- -	--	9.2	92 -	-23.0	-32.2		5069.6		-660	+7	1365,199	310,752				
288	990		- -	--	6.6	90 50	-14.4	-21.0		5080.8		-990	-10	1364,869	310,735				
289	1318		167 10	--	6.4	90 20	-7.7	-14.1		5087.7		-1318	+3	1364,541	310,748			SULLIVAN Buttes-7k	
290	1647		167 -	--	4.6	89 20	+19.2	+14.6		5116.4		-1647	+9	1364,212	310,754			JEROME Canyon-7k +1364,055 x -310,800	
If	1803		166 37 40	--	8.9	89 20	+21.0	+12.1		5113.9	TP	-1803	+21	1364,057	310,762			T-inter.	
If	1803		.		9.0	270 40	+21.0	+12.0			TP	+	-						
	808	807.1	78 31 04	+13.1	10.5	92 40	+37.6	+48.1	5162.0		BS	+23	-807						
	808		.		10.6	267 20	+37.6	+48.2			BS		-						
291	586		78 25	--	9.9	92 -	-20.5	-30.4		5131.6		-16	+586	1364,064	310,537				
292	256		- -	--	13.0	93 -	-13.4	-26.4		5135.6		-7	+256	1364,073	310,207				
X	0		.		5.1	-		-5.1		5156.9	X	0	0	1364,080	309,951				
293	74		258 30	+13.1	5.2	-		-5.2		5156.8		+2	-74	1364,082	309,877				
294	404		258 20	--	9.2	93 -	-21.1	-30.3		5131.7		+10	-404	1364,090	309,547				
If	591		257 18 27	--	5.6	92 -	-20.6	-26.2		5135.8	If	+4	-591	1364,084	309,360			1364,105 x -309,395 T-inter.	

SURVEY NOTES-HIGH RESOLUTION DATA

GE0-445

Geosource Inc.

DATE	1-7-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S.	LINE NO.	1	PAGE	22
AREA	ARIZONA	TOPO MAP	Delome Canyon 7 1/2	STATE	ARIZ.	COUNTY	YAVAPAI	TWP		RANGE		PPM	
										PARTY MANAGER		J. Mc CLELLAN	

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				
									5162.0										
295	734		258° 20'	+13.1	6.0	91° 20'	-17.1	-23.1		5138.9		+18	-734	1364.098	309.217				
296	1064		258° 26'	-	10.1	90° 20'	-6.2	-16.3		5145.9		+28	-1064	1364.108	308.887				
297	1394		258° 30'	-	6.7	-	-	-6.7		5155.3		+39	-1393	1364.119	308.558				
TP	1664		257° 42' 42"	-	5.2	-	-	-5.2		5156.8	TP	+24	-1664	1364.104	308.283				
TP	1664			-	5.3	270°	-	-5.3			TP		-						
	1394	1392.1	76° 57' 12"	+134	8.7	87°	-73.0	-64.3	5092.5		BS	+9	-1392						
	1394				8.6	273°	-73.0	-64.4			BS		-						
298	1335		76° 20'	-	5.7	87° 20'	+62.1	+56.4		5148.9		+6	+1335	1364.119	308.222				
299	1015		77°	-	5.2	88° 08'	+33.1	+27.9		5120.4		-7	+1015	1364.106	307.902				
300	679		78° 44'	-	4.8	88° 44'	+15.0	+10.2		5102.7		-25	+679	1364.088	307.566				
301	353		79°	-	5.4	89° 10'	+5.1	-0.3		5092.2		-15	+353	1364.098	307.240				
302	46		20° 20'	-	5.5	86° 40'	+2.7	-2.8		5089.7		-38	+26	1364.675	306.913				
Σ	0				5.1	-	-	-5.1		5087.4	Σ	0	0	1364.113	306.887				
303	287		231° 35'	+134	5.5	92° 30'	-12.5	-18.0		5074.5		-121	-260	1363.992	306.627				
304	603		228° 40'	-	2.9	92° 30'	-26.3	-29.2		5063.3		-282	-533	1363.831	306.354				
305	904		240° 15'	-	4.8	92°	-31.5	-36.3		5056.2		-254	-867	1363.859	306.020				
TP	1074	1073.4	242° 55' 25"	-	2.8	92°	-37.5	-40.3		5052.2	TP	-254	-1043	1363.859	305.840				
TP	1074			-	2.7	268°	-37.5	-40.2			TP		-						
	1051	1050.4	85° 22' 06"	-	+10.2	88°	-36.7	-26.5	5025.7		BS	+160	-1038						
	1051				+10.1	272°	-36.7	-26.6			BS		-						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-7-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S.	LINE NO.	1	PAGE	23
AREA	ARIZONA	TOPO MAP	Jerome Canyon-7 1/2'	STATE	ARIZ.	COUNTY	YAVAPAI	TWP		RANGE		PPM	
										PARTY MANAGER			
										J. Mc Clellan			

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				
									5025.7										
306	896		84° 20'	+13.4	8.9	88° -	+31.3	+22.4		5048.1		-121	+888	1,363.898			305,686		
307	566		84° 30'	-	5.7	88° -	+19.8	+14.1		5039.8		-78	+561	1,363.941			305,359		
308	244		73° 50'	-	11.4	88° -	+8.5	-2.9		5022.8		+12	+244	1,364.031			305,042		
K	0				5.1	-		-5.1		5020.6	K	0	0	1,364.019			304,798		
1F	41		294° 10'	-	4.9	-		-4.9		5020.8	1F	+25	-33	1,364.044			304,765	1/2 y - 1,364,080 x - 304,800 T-Inter.	
309	98		316° 55'	-	5.2	-		-5.2		5020.5		+85	-49	1,364.104			304,749		
310	428		-	-	9.6	-		-9.6		5016.1		+372	-212	1,364.391			304,586	Jerome Canyon-7 1/2'	
311	758		-	-	6.4	91° -	-13.2	-19.6		5006.1		+659	-375	1,364.678			304,423	Sullivan Buttes-7 1/2'	
312	1088		316° 51' 48"	+13.2	13.4	91° 10'	-22.2	-35.6		4990.1	TP	+943	-543	1,364.962			304,251		
312	1088				13.5	268° 50'	-22.2	-35.7			TP		-						
	2638		137° 28' 52"	-	7.7	89° 30'	-23.0	-15.3			BS	+2300	-1292						
	2638				7.8	26° 30'	-23.0	-15.2	4974.9		BS		-						
313	2310		137° 28'	+13.2	7.3	TH	+11.6	+4.3		4979.2		-2014	+1132	1,365.248			304,087	1,364,900 map	
314	1980		-	-	8.5	TH	+9.9	+1.4		4976.3		-1726	+970	1,365.536			303,925		
315	1650		-	-	7.9	TH	+8.3	+0.4		4975.3		-1438	+808	1,365.824			303,763		
316	1320		-	-	7.2	TH	+6.6	-0.6		4974.3		-1151	+647	1,366.111			303,602		
317	990		-	-	6.7	TH	+5.0	-0.3		4974.6		-863	+485	1,366.399			303,440		
318	660		-	-	6.0	TH	+3.3	-2.7		4972.2		-575	+323	1,366.687			303,278		
1F	535		139° 11' 01"	-	2.9	-		-2.9		4972.0	1F	-474	+248	1,366.788			303,203	1/2 y - 1,366,815 x - 303,220 EL 4972.0	
319	330		137° 28'	-	5.5	TH	+1.7	-3.8		4971.1		-288	+162	1,366.974			303,117		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-7-86		B. Cotcamp		B. SALDIVAR		6834		B.C.		1		24			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		SULLIVAN Buttes-7 1/2		ARIZ		YAVAPAI								J. Mc CLELLAN	
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
									4974.9						
320	0				5.1	-		-5.1		4969.8	T	0	0	1,367,262	302,955
321	330		317 25	+13.2	8.1	-		-8.1		4966.8		+288	-162	1367550	302793
322	660		-	-	10.1	BH	-3.3	-13.4		4961.5		+575	-324	1,367,837	302631
323	988		314 55	-	6.1	90 50	-14.4	-20.5		4954.4		+839	-522	1368101	302433
TP	1054		314 40 24	-	10.4	90 50	-15.3	-25.7		4949.2	TP	+893	-560	1,368,155	302,392
TP	1054				10.3	269 10	-15.3	-25.6			TP		-3		
	518		92 08 10	+13.2	6.5	89 -	-9.0	-2.5	4946.7		BS	+137	-499		
	518				6.4	271 -	-9.0	-2.6			BS		-3		
Bm	470		87 42 50	-	8.4	89 -	+8.2	-0.2		4946.5		-89	+462	1368203	302352
324	261		80 -	-	5.1	89 -	+4.6	-0.5		4946.2		-15	+261	1368277	302151
T	0				5.1	-		-5.1		4941.6	T	0	0	1,368,292	301,890
325	87		302 05	+13.2	5.6	94 -	-6.1	-11.7		4935.0		+62	-61	1368354	301829
326	394		263 05	-	5.2	93 -	-20.6	-25.8		4920.9		+43	-392	1368335	301498
327	722		262 05	-	3.8	93 -	-37.8	-41.6		4905.1		+66	-719	1368356	301171
Bm	916		262 56 45	-	9.3	92 20	-37.3	-46.6		4900.1		+98	-910	1,368,390	300,980
328	1052		262 55	-	5.3	92 20	-42.8	-48.1		4898.6		+112	-1046	1368404	300844
329	1379		264 36	-	11.7	91 20	-32.1	-43.8		4902.9		+187	-1366	1368479	300524
330	1712		266 30 14	-	12.1	91 -	-29.9	-42.0		4904.7	TP	+289	-1687	1368581	300803
330	1712				12.0	269 -	-29.9	-41.9			TP				MIDDLE OF ROAD

4-1,368,390 x 300,980
 JK BRIDGE Horiz 4 -14
 CORR. X -87

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-7-86		B. C. Camp		B. SALDIVAR		6834		BC		1		25			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		Sullivan Buttes-7 1/2		ARIZ.		YAVAPAI								J. McClellan	
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
									4904.7						
	986		108° 07' 30"	+13.2	12.0	88° 30'	-25.8	-13.8	4890.9		BS	+512	-842		
	986				+11.9	271° 30'	-25.8	-13.9		BS					
331	660		108° 54'	-	7.1	88° 30'	+17.3	+10.2		4901.1		-351	+559	1368742	299920
332	330		-	-	6.6	88° 30'	+8.6	+2.0		4892.9		-175	+280	1368918	299641
333	0				5.1	-		-5.1		4885.8	TP	0	0	1369093	299361
334	330		286° 10'	+13.2	6.6	89° 30'	+2.9	-3.7		4887.2		+162	-288	1369255	299073
335	657		282° 40'	-	5.5	89° 30'	+5.7	+0.2		4891.1		+287	-591	1369380	298770
336	984		279° 30' 39"	-	4.4	89° 30'	+8.6	+4.2		4895.1	TP	+380	-908	1369473	298453
336	984				4.3	270° 30'	+8.6	+4.3		TP					
	435		84° 11' 09"	+13.2	9.1	-		+9.1	4904.2		BS	+56	-431		
	435				+11.2	74	-2.2	+9.0		BS					
337	109		77° 15'	-	7.2	-		-7.2		4897.0		-1	+109	1369528	298131
TP	0				5.1	-		-5.1		4899.1	TP	0	0	1369529	298022
338	240		302° 10'	-	6.4	91° -	-4.2	-10.6		4893.6		+171	-169	1369700	297853
TP	485		304° 09' 06"	-	6.6	91° -	-8.5	-15.1		4889.1	TP	+357	-329	1369886	297693
TP	485				5.2	91° 10'	-9.9	-15.1		TP					
	1737		136° 49' 33"	+13.0	+10.6	88° 20'	-50.5	-39.9	-39.834849.3		BS	+1501	-873		
	1737				10.9	271° 40'	-50.5	-39.6		BS					
339	1651		136° 12'	-	7.1	88° 30'	+43.2	+36.1		4885.4		-148	+845	1369969	297665
340	1321		-	-	6.0	88° 50'	+26.9	+20.9		4870.2		-1135	+676	1370252	297496

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1-8-86		B. Cotcamp		B. SALDIVAR		6834		B.C.		1		26				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
ARIZONA		Sullivan Buttes-7 1/2		ARIZ.		YAVAPAI								J. MCCLELLAN		
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
									4849.3							
341	990		136° 10'	+130	11.4	89° -	+17.3	+5.9		4855.2		-850	+507	1370537	297327	
342	660		- -	-	7.4	89° -	+11.5	+4.1		4853.4		-567	+338	1370820	297158	
343	330		136° 20'	-	5.9	88° 30'	+8.6	+2.7		4852.0		-284	+168	1371103	296988	
344	0				5.1	-		-5.1		4844.2	TP	0	0	1371397	296820	
77	230		293° 36' 48"	+130	6.2	91° 30'	-6.0	-12.2		4837.1	77	+137	-185	1371524	296635	Y = -1.371505 X - 296.635 T-inter.
345	332		297° 10'	-	7.9	91° 30'	+8.7	-16.6		4832.7		+214	-254	1371601	296506	
346	659		292° 05'	-	5.6	92° 10'	-24.9	-30.5		4818.8		+379	-539	1371766	296281	
TP	691		289° 59' 01"	-	6.7	92° 10'	-26.1	-32.8		4816.5	TP	+376	-579	1371763	296241	
TP	691				8.7	92° -	-24.1	-32.8			TP					
	1601	1600.2	99° 53' 46"	+130.4	12.4	88° 10'	-51.2	-38.8	4777.7		BS	+623	-1474			
	1601				+12.5	271° 50'	-51.2	-38.7			BS					
347	1310		100° 50'	-	12.1	88° 20'	+38.1	+26.0		4803.7		-529	+1198	1371857	295965	
348	988		104° 35'	-	8.0	88° 40'	+23.0	+15.0		4792.7		-457	+876	1371929	295643	
349	660		105° 45'	-	6.1	88° 40'	+15.4	+9.3		4787.0		-317	+579	1372069	295346	
350	330		- -	-	3.8	88° 40'	+7.7	+3.9		4781.6		-159	+289	1372227	295056	
351	0				5.1	-		-5.1		4772.6	TP	0	0	1372386	294767	
352	330		285° 24'	+130	7.1	92° -	-11.5	-18.6		4759.1		+157	-290	1372543	294477	
353	660		- -	-	6.1	92° 40'	-30.7	-36.8		4740.9		+314	-581	1372700	294186	
354	990		- -	-	10.6	92° 40'	-46.1	-56.7		4721.0		+471	-871	1372857	293896	
355	1320		- -	-	7.4	93° -	-69.1	-76.5		4701.2		+628	-1161	1373014	293606	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-8-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.	LINE NO.	1	PAGE	27	
AREA	ARIZONA	TOPO MAP	Sullivan Buttes-74'	STATE	ARIZ.	COUNTY	YAVAPI	TWP		RANGE		PPM	PARTY MANAGER	J. McClellan

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				
									4777.7										
356	1649	1646.7	285° 30' 59"	+130	10.1	93° -	-86.3	-96.4	4722.9	4681.3	TP	+786	-1447	1373172	293.320				
356	1649				10.2	267° -	-86.3	-96.5		TP									
	3083		82° 53' 52"	-	+5.6	90° 40'	+35.9	+41.5		BS		+317	-3066						
	3083				+5.9	269° 20'	+35.9	+41.8		BS									
357	2785		80° 12'	-	4.7	91° 10'	-56.7	-61.4		4661.5		-155	+2781	1373334	293.035				
358	2492		76° 50'	-	5.5	91° 44'	-75.4	-80.9		4642.0		+7	+2492	1373496	292.746				
359	2177		74° 33'	+130	8.7	92° 06'	-79.8	-88.5		4634.4		+93	+2175	1373582	292.429				
360	1864		71° 35'	-	9.3	92° 26'	-79.1	-88.4		4634.5		+176	+1856	1373665	292.110				
361	1558		67° 30'	-	9.0	92° 50'	-77.0	-86.0		4636.9		+257	+1537	1373746	291.791				
362	1240		64° 13'	-	11.4	92° 50'	-61.3	-72.7		4650.2		+274	+1209	1373763	291.463				
363	910		-	-	8.3	92° 50'	-45.0	-53.3		4669.6		+201	+887	1373690	291.141				
364	580		63° 35'	-	5.3	92° 50'	-28.7	-34.0		4688.9		+135	+564	1373624	290.818				
365	250		-	-	9.8	91° 10'	-5.1	-14.9		4708.0		+58	+243	1373547	290.497				
X	0		-	-	5.1	-	-	-5.1		4717.8	X	0	0	1373489	290.254				
366	89		278° 10'	+130	5.0	89° 20'	+1.0	-4.0		4718.9		+32	-83	1373521	290.171				
367	103		267° 43' 15"	-	4.2	89° 20'	+1.2	-3.0		4719.9	#	+19	-101	1373508	290.153			-1.373480 x 290.125 R.R. TRACKS	
367	417		265° 30'	-	6.8	89° 20'	+4.9	-1.9		4721.0		+62	-412	1373551	289.842				
368	746		264° -	-	6.7	-	-	-6.7		4716.2		+91	-740	1373580	289.514				
369	1085		266° 46' 36"	-	9.7	-	-	-9.7		4713.2	#	+184	-1069	1373673	289.185			-1.373600 x 289.170 T-Inter.	
369	1069		262° 40'	-	8.1	-	-	-8.1		4714.8		+106	-1064	1373595	289.190				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-8-86	INSTRUMENT MAN	B. Cotnam	ROD MAN	B. Saldivar	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.	LINE NO.	1	PAGE	28
AREA	ARIZONA	TOPO MAP	SULLIVAN Buttes-7 1/2	STATE	ARIZ.	COUNTY	YAVAPI	TWP		RANGE	PPM	PARTY MANAGER	J. McClellan

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			
									4722.9									
370	1174		246 55	+130	8.0	89 30	+10.2	+2.2		4725.1		-206	-1156	1373283	289.098			
TP	1229		240 50 15	-	13.6	89 10	+17.9	+4.3		4727.2	TP	-342	-1180	1373.147	289.074			
TP	1229				13.7	270 50	+17.9	+4.2			TP							
	2688	2687.0	44 39 31	-	14.5	88 27	-72.7	-58.2			BS	-1437	-2270					
	2688				14.8	271 33	-72.7	-57.9	-58.13	4669.1	BS							
371	2564		47 48	+130	9.8	88 26	+70.1	+60.3		4729.4		+1251	+2238	1372961	289.042			
372	2314		52 45	-	6.2	88 26	+63.3	+57.1		4726.2		+950	+2110	1372660	288.914			
373	2000		55 20	-	4.6	88 40	+46.5	+41.9		4711.0		+738	+1859	1372448	288.663			
374	1683		58 10	-	7.0	89 -	+29.4	+22.4		4691.5		+543	+1593	1372253	288.397			
375	1372		62 25	-	6.1	89 20	+160	+9.9		4679.0		+345	+1328	1372055	288.132			
376	1069		68 35	+130	6.1	89 50	+3.1	-3.0		4666.1		+156	+1057	1371866	287.861			
377	747		71 30	-	11.5	89 50	+2.2	-9.3		4659.8		+72	+744	1371782	287.548			SULLIVAN Buttes-7 1/2
378	417		70 40	-	11.9	89 50	+1.2	-10.7		4658.4		+46	+414	1371756	287.218			Simmons-7 1/2
379	87		66 50	-	6.8	89 50	+0.3	-6.5		4662.6		+15	+86	1371725	286.890			
K	0				5.1	-		-5.1		4664.0	K	0	0	1371710	286.804			
380	244		248 26	+130	6.6	91 50	-7.8	-14.4		4654.7		-36	-241	1371674	286.563			
381	574		251 55	-	5.1	91 50	-18.4	-23.5		4645.6		-51	-572	1371659	286.232			
382	903		252 35	-	9.2	91 20	-21.0	-30.2		4638.9		-70	-900	1371640	285.904			
383	1233		- -	-	10.4	90 30	-10.8	-21.2		4647.9		-95	-1229	1371615	285.575			
384	1563		252 30	-	5.8	90 30	-13.6	-19.4		4649.7		-123	-1558	1371587	285.246			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE	1-8-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.	LINE NO.	1	PAGE	29
AREA	ARIZONA	TOPO MAP	Simmons-7k	STATE	ARIZ.	COUNTY	YAVAPI	TWP		RANGE		PPM	
										PARTY MANAGER		J. McCLELLAN	

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.	
									4669.1					
385	1893		252 20	+13.0	5.0	BH	-9.5	-14.5		4654.6		-154	-1887	1371556 284.917
386	2223			-	10.0	-		-10.0		4659.1		-181	-2216	1371529 284.588
387	2553		252 19 54	-	11.6	-		-11.6			TP	-208	-2545	1371502 284.259
387	2553				11.5	270 -		-11.5		4657.6	TP			
	2218		87 01 52	+13.0	4.1	89 30	-19.4	-15.3			BS	+386	-284	
	2218				4.2	270 30	-19.4	-15.2	4642.4		BS			
388	1928		91 06	-	4.9	89 30	+16.8	+11.9		4654.3		-170	+1870	1371418 283.945
389	1629		95 -	-	10.1	89 30	+14.2	+4.1		4646.5		-503	+1549	1371385 283.624
390	1317		90 55	-	8.7	-		-8.7		4633.7		-317	+1278	1371571 283.353
391	990		89 20	-	9.1	BH	-5.0	-14.2		4628.3		-211	+967	1371677 283.042
392	660		89 05	-	10.9	BH	-3.3	-14.2		4628.2		-138	+645	1371750 282.720
393	330		88 30	-	10.8	-		-10.8		4631.6		-66	+323	1371822 282.398
B^	421		70 27 25	-	14.4	-		-14.4		4628.0	B^	+48	+418	1371936 282.493
394	0				5.1	-		-5.1		4637.3	TP	0	0	1371888 282.075
395	330		270 30	+13.0	10.6	91 30	-8.6	-19.2		4623.2		+17	-321	1371965 281.754
396	651		275 40	-	6.3	91 20	-15.1	-21.4		4621.0		+208	-617	1372096 281.458
396	929		281 48 10	-	8.6	90 20	-5.4	-14.0		4628.4	39	+390	-843	1372278 281.232
397	955		282 25	-	8.8	90 20	-5.6	-14.4		4628.0		+410	-863	1372298 281.212
398	1163		296 -	-	6.1	90 20	-6.8	-12.9		4629.5		+732	-904	1372620 281.171
399	1417		305 10	-	5.0	90 20	-8.2	-13.2		4629.2		+1056	-945	1372944 281.130

$y = -1.3712225x - 281,200$
 $x = 282,500$
 A-255
 U.S.G.S. Dm 1941 6L 4628.0

$y = -1.3712225x - 281,200$
 For. rect.

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE	1-8-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	BC.	LINE NO.	1	PAGE	30	
AREA	ARIZONA	TOPO MAP	SIMMONS - 7 1/2	STATE	ARIZ.	COUNTY	YAVAPAI	TWP		RANGE		PPM	PARTY MANAGER	J. McCLELLAN

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				
									4642.4										
400	1721		302° 54' 54"	+13.0	11.6	90° 20'	-10.0	-21.6	}		TP	+1236	-1197	1373124	280.878				
400	1721				11.7	269° 40'	-10.0	-21.7			TP								
	2563		82° 49' 42"	-	+2.4	TH	-12.8	-10.4			BS	+260	-2550						
	2563				+2.1	TH 276	-12.8	-10.7		-10.5 1/2 4610.2	BS								
401	2233		82° 34'	-	4.8	89° 40'	+13.0	+8.2		4618.4		-217	+2222	1373167	280.550				
402	1949		79° 50'	+13.0	8.2	-		-8.2		4602.0		-96	+1947	1373288	280.275				
#	1837		78° -'	-	7.1	-		-7.1		4603.1	#	-32	+1837	1373352	280.165	#	1,373,300	x=280,135	Creek
403	1646		78° 30'	-	9.9	-		-9.9		4600.3		-43	+1645	1373337	279.973				
404	1320		79° 55'	-	9.4	-		-9.4		4600.8		-67	+318	1373317	279.646				
405	990		-	-	8.2	-		-8.2		4602.0		-50	+989	1373334	279.317				
406	660		-	-	7.2	-		-7.2		4603.0		-34	+659	1373350	278.987				
407	330		-	-	6.7	-		-6.7		4603.5		-17	+330	1373367	278.658				
408	0				5.1	-		-5.1		4605.1	X	0	0	1373384	278.328				
409	330		259° 55'	+13.0	4.7	-		-4.7		4605.5		+17	-330	1373401	277.978				
410	660		-	-	4.3	-		-4.3		4605.9		+34	-659	1373418	277.669				
411	990		-	-	8.0	TH	+5.0	-3.0		4607.2		+50	-989	1373434	277.339				
412	1320		-	-	8.7	TH	+6.6	-2.1		4608.1		+67	-1318	1373451	277.010				
413	1650		-	-	8.9	TH	+8.3	-0.6		4609.6		+84	-1648	1373468	276.680				
414	1789		259° 46' 45"	-	1.2	-		-1.2		4609.0	414	+87	-1787	1373471	276.541	414	-1,373,405	276,515	4 way inter.
414	1980		259° 30'	-	9.1	TH	+9.9	+0.8		4611.0		+86	-1978	1373470	276.350				

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE	1-8-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDANAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.	LINE NO.	1	PAGE	31	
AREA	ARIZONA	TOPO MAP	SIMMONS - 7 1/2'	STATE	ARIZ.	COUNTY	YAVAPAI	TWP		RANGE		PPM	PARTY MANAGER	J. McCLEMAN

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	
									4610.2							
415	2308		258° 05'	+13.0	8.7	TH	+11.5	+2.8		4613.0		+44	-2368	1373428	276.020	
416	2636		257° 19' 27"	--	9.3	TH	+13.2	+3.9	44.03	4614.2	TP	+15	-2636	1373399	275.692	
416	2636				9.0	TH 270	-13.2	+4.2								TP
	990		71° 11' 09"	--	5.8	-		+5.8								BS
	990				5.7	270 -		+5.7	4619.9	BS						
417	660		71° 50'	--	5.8	-		-5.8		4614.1		+59	+657	1373358	275.364	
418	330		72° 50'	--	4.0	-		-4.0		4615.9		+24	+329	1373323	275.036	
419	0				5.1	-		-5.1		4614.8	X	0	0	1373299	274.707	
7F	249		255° 13' 18"	+13.0	1.6	-		-1.6		4618.3	7F	-8	-249	1373291	274.458	Y=1373,210 X=274,425
420	328		253° -	-	0.4	-		-0.4		4619.5		-23	-327	1373276	274.380	
421	628		255° 05'	-	4.5	TH	+3.1	-1.4		4618.5		-21	-628	1373278	274.079	
422	939		260° 11' 27"	-	7.0	89° 10'	+13.7	+6.7	4626.6	TP	+52	-937	1373351	273.770		
422	939				6.9	270 50	+13.7	+6.8							TP	
	1408		106° 08' 06"	+13.0	9.6	-		+9.6							BS	+686
	1408				9.5	270 -		+9.5	4636.1	BS						
423	1125		113° 40'	-	10.2	90° 20'	-6.5	-16.7		4619.4		-672	+902	1373365	273.442	
424	858		124° 45'	-	6.6	90° 20'	-5.0	-11.6		4624.5		-635	+577	1373402	273.117	
425	643		142° 55'	-	5.7	90° 20'	-3.7	-9.4		4626.7		-587	+262	1373450	272.802	
426	330		150° 15'	-	6.1	90° 20'	-1.9	-8.0		4628.1		-316	+95	1373721	272.635	
427	0				5.1	-		-5.1		4631.0	X	0	0	1374037	272.540	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE	1-8-86	INSTRUMENT MAN	B. C. Camp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.	LINE NO.	1	PAGE	32	
AREA	ARIZONA	TOPO MAP	SIMMONS-7 1/2'	STATE	ARIZ.	COUNTY	YAVAPAI	TWP		RANGE		PPM	PARTY MANAGER	J. McCLELLAN

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				
									4636.1										
428	325		314 50	+13.0	6.2	-		-6.2		4629.9		+275	-173	1374312	272.367				
429	648		307 40	-	5.9	89 30	+5.7	-0.2		4635.9		+501	-411	1374538	272.129				
430	973		304 10	-	6.4	89 20	+11.3	+4.9		4641.0		+714	-662	1374751	271.878				
431	1296		300 50	-	7.8	89 10	+18.8	+11.0		4647.1		+878	-935	1374935	271.605				
+	2096		282 55 22	-	0.0	89 20	+24.4	+24.4		4660.5	+	+916	-1885	1374953	270.655	3-1374925 X-270.650 + Section corner			
432	1614		297 25 21	+133	9.7	89 20	+18.8	+9.1			TP	+1053	-1223	1375090	271.317				
432	1614				9.8	270 40	+18.8	+9.0		4645.1	TP								
	1149		133 30 12	-	9.1	91 30	+30.1	+39.2	4684.3		BS	+961	-629						
	1149				9.2	268 30	+30.1	+39.3			BS								
433	853		141 50	-	8.2	91 40	-24.8	-33.0		4651.3		-774	+359	1375277	271.047				
434	563		154 40	-	6.8	91 40	-16.4	-23.2		4661.1		-551	+117	1375500	270.805				
435	247		166 50	-	7.0	91 10	-5.0	-12.0		4672.3		-247	-1	1375804	270.687				
π	0				5.1	-		-5.1		4679.2	π	0	0	1376051	270.688				
436	83		349 -	+133	4.9	-		-4.9		4679.4		+83	+3	1376134	270.691				
437	412		345 27	-	10.8	89 30	+3.6	-7.2		4677.1		+412	-9	1376463	270.679				
438	742		- -	-	11.1	89 30	+6.5	-4.6		4679.7		+742	-16	1376793	270.672				
439	1072		- -	-	11.8	89 30	+9.4	-2.4		4681.9		+1072	-23	1377123	270.665				
440	1402		- -	-	12.8	89 -	+24.5	+11.7		4696.0		+1402	-31	1377453	270.657				
441	1732		- -	-	7.6	89 20	+20.2	+12.6		4696.9		+1732	-38	1377783	270.650				
442	2062		- -	-	6.3	89 20	+24.0	+17.7		4702.0		+2062	-45	1378113	270.643				

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE	1-9-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	J.C.	LINE NO.	1	PAGE	33	
AREA	ARIZONA	TOPO MAP	SIMMONS-7 1/2	STATE	ARIZONA	COUNTY	YAVAPAI	TWP		RANGE		PPM	PARTY MANAGER	J. McCLELLAN

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		
									4684.3								
443	2390		345° 15'	+133	4.3	89° 10'	+34.8	+30.5		4714.8		+2389	-60	1378440	270,628		
TP	2556		344° 19' 28"	-	8.3	89° -	+44.6	+36.3		4720.6	TP	+2553	-106	1378604	270,582		
TP	2556				8.2	271° -	+44.6	+36.4			TP						
	485		155° 53' 32"	-	+7.5	89° -	-8.5	+1.0			BS	+476	-91				
	485				+9.4	271° -	-8.5	+0.9	4721.5		BS						
444	328		158° 20'	+133	7.2	89° 20'	+3.8	-3.4		4718.1		-325	+48	1378755	270,539		
445	0				5.1	-		-5.1		4716.4	X	0	0	1379080	270,491		
IP	144		323° 03' 25"	-	7.7	90° 20'	-0.8	-8.5		4713.0	IP	+132	-58	1379212	270,433	IP	y-inter
446	330		320° 25'	-	6.8	91° -	-5.8	-12.6		4708.9		+296	-146	1379376	270,345		
447	659		320° -	-	8.9	90° 30'	-5.8	-14.7		4706.8		+589	-294	1379669	270,195		
448	987		318° 05'	-	5.7	90° 30'	-8.6	-14.3		4707.2		+866	-473	1379946	270,018		
449	1315		316° 41' 12"	-	10.1	-		-10.1		4711.4	TP	+1139	-658	1380219	269,833		
449	1315				10.0	270° -		-10.0			TP						
	482		120° 25' 32"	+133	3.4	-		+3.6			BS	+333	-348				
	482				3.5	270° -		+3.5	4714.9		BS						
450	153		119° 05'	-	7.3	-		-7.3		4707.6		-103	+113	1380449	269,598		
X	0				5.1	-		-5.1		4709.8	X	0	0	1380552	269,485		
451	169		289° 30'	-	6.5	87° 30'	+7.4	+0.9		4715.8		+92	-142	1380644	269,343		
TP	301		288° 24' 33"	-	5.6	87° 30'	+13.1	+7.5		4722.4	TP	+158	-256	1380710	269,229		
TP	301				5.6	272° 30'	+13.1	+7.5			TP						

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
1-9-86		B. Cotcamp		B. SALDIVAR		6834		B.C.		1	34					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
ARIZONA		Simmons - 7 1/2'	ARIZ.	YAVAPAI					J. McClellan							
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	
										4722.4						
	409		116° 09' 30"	+13.3	8.2	92° -	+14.3	+22.5	4744.8		BS	+260	-316			
	409				8.1	268° -	+14.3	+22.4		BS						
452	215		110° -	-	5.1	92° 10'	-8.1	-13.2		4731.6		-118	+180	1380852	269.093	
	0				5.1	-		-5.1		4739.7	X	0	0	1380970	268.913	
453	116		306° 05'	-	5.8	90° 30'	-1.0	-6.8		4738.0		+88	-76	1381058	268.837	
454	441		305° 36' 06"	-	14.8	88° 14'	+13.6	-1.2	4743.6		TP	+332	-290	1381302	268.623	
454	441				14.8	271° 46'	+13.6	-1.2		TP						
	421		147° 27' 46"	+13.3	9.7	87° 30'	-18.4	-8.7	4734.8		BS	+397	-139			
	421				9.6	272° 30'	-18.4	-8.8		BS						
455	96		154° 10'	-	0.0	90° 33'	-8.9	-0.9		4733.9		-94	+21	1381605	268.505	
	0				5.1	-		-5.1		4729.7	X	0	0	1381699	268.484	
456	229		332° 31' 52"	-	5.7	91° 10'	-4.7	-10.4	4724.4		TP	+222	-56	1381921	268.428	
456	229				5.7	268° 50'	-4.7	-10.4		TP						
	279		125° 07' 56"	-	2.2	-		+2.2	4726.6		BS	+209	-185			
	279				3.6	74° -	-1.4	+2.2		BS						
	0				5.1	-		-5.1		4721.5	X	0	0	1382130	268.243	
457	151		38° 55'	-	5.8	90° 30'	-1.3	-7.1		4719.5		+93	+119	1382223	268.362	
TP	367		18° 49' 04"	-	3.3	91° -	-6.4	-9.7	4716.9		TP	+311	+195	1382441	268.438	
TP	367				3.2	269° -	-6.4	-9.6		TP						

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE	1-9-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.	LINE NO.	1	PAGE	35	
AREA	ARIZONA	TOPO MAP	Simmons-7 1/2'	STATE	ARIZ.	COUNTY	YAVAPAI	TWP		RANGE		PPM	PARTY MANAGER	J. McCellan

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	
										4716.9						
	359		109 12 33	+13.3	11.4	-		+11.4	4728.3		BS	+193	-303			
	359				11.3	270°		+11.3			BS					
458	255		109 25	-	5.2	91 10	-5.2	-10.4		4717.9		-138	+215	1382496	268.350	
X	0				5.1	-		-5.1		4723.2	X	0	0	1382634	268.135	
459	75		301 20	-	5.3	88 30	+2.0	-3.3		4725.0		+53	-53	1382687	268.082	
TP	193		296 12 51	-	4.0	88 20	+5.6	+1.6	}	4729.9	TP	+123	-149	1382757	267.986	
TP	193				4.0	271 40	+5.6	+1.6				TP				
	312		93 48 36	+13.3	5.8	92 -	+10.9	+16.7	}		BS	+92	-298			
	312				5.7	268 -	+10.9	+16.6			4746.5	BS				
460	111		85 45	-	5.4	91 50	-3.6	-9.0		4737.5		-17	+110	1382832	267.798	
X	0				5.1	-		-5.1		4741.4	X	0	0	1382849	267.688	
461	208		277 49 58	-	1.4	87 10	+3.0	+1.6	}	4748.1	TP	+75	-194	1382924	267.494	
461	208				1.4	270 50	+3.0	+1.6				TP				
	226		114 31 34	-	8.0	88 38	-5.4	+2.6	}		BS	+139	-178			
	226				7.9	271 22	-5.4	+2.5			4750.6	BS				
X	0				5.1	-		-5.1		4745.5	X	0	0	1383.063	267.316	
462	99		320 10	+13.3	5.3	-		-5.3		4745.3		+89	-44	1383152	267.272	
TP	299		302 43 25	-	0.2	89 -	+5.2	+5.0	}	4755.6	TP	+215	-208	1383278	267.108	
TP	299				0.1	271 -	+5.2	+5.1				TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-9-86	INSTRUMENT MAN	B. Cotamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.	LINE NO.	1	PAGE	36	
AREA	ARIZONA	TOPO MAP	Simmons-7 1/2	STATE	ARIZ.	COUNTY	YAVAPAI	TWP		RANGE		PPM		
													PARTY MANAGER	J. McCLELLAN

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	
										4755.6						
	156		93° 18' 42"	+13.3	4.1	-		+4.1	4759.7		BS	+45	-149			
	156				4.9	TH	-0.8	+4.1			BS					
463	35		82° 20'	-	5.2	-		-5.2		4754.5		-3	+35	1383.320	266.994	
X	0				5.1	-		-5.1		4754.6	X	0	0	1383.323	266.959	
464	284		257° 45' 50"	-	4.1	89° 10'	+4.1	±0.0		4759.7	TP	+5	-284	1383.328	266.677	
464	284				4.0	270° 50'	+4.1	+0.1			TP		+2			
	301		77° 16' 05"	-	11.8	90° 36'	+3.2	+15.0			BS	+3	-301			
	301				11.7	269° 24'	+3.2	+14.9		4774.6	BS		+2			
X	0				5.1	-		-5.1		4769.5	X	0	0	1383.331	266.378	
465	30		283°	+13.3	4.9	87°	+1.6	-3.3		4771.3		+13	-27	1383.344	266.351	
TP	273		275° 05' 46"	-	5.7	87° 40'	+11.1	+5.4		4780.0	TP	+86	-259	1383.417	266.121	
TP	273				5.7	272° 20'	+11.1	+5.4			TP		+2			
	280		126° 16' 12"	-	6.7	88°	-9.8	-3.1		4776.9	BS	+213	-181			
	280				5.9	88° 10'	-9.0	-3.1			BS		+2			
466	180		125° 45'	-	6.0	88° 20'	+5.2	-0.8		4776.1		-136	+118	1383.494	266.060	
X	0				5.1	-		-5.1		4771.8	X	0	0	1383.630	265.942	
467	144		285° 30'	-	1.2	90° 54'	-2.3	-3.5		4773.4		+69	-126	1383.699	265.816	East Sta. on Road
TP	291		282° 26' 44"	-	5.6	-		-5.6		4771.3	TP	+126	-262	1383.756	265.682	X - County to 468
TP	291				5.5	270°		-5.5			TP		+2			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
1-9-86		B. Cotcamp		B. SALDIVAR		6834		B.C.		1		37							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
ARIZONA		Simmons - 7 1/2'		ARIZ.		YAVAPAI								J. McCLELLAN					
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				
										4771.3									
	372		115° 29' 58"	+13.3'	13.1	89° 10'	-5.4	+7.7	4779.0		BS	+233	-290						
	372				12.1	89° 20'	-4.3	+7.8		BS				+2					
468	188		120° 50'	-	2.2	90° 52'	-2.8	-5.0		4774.0		-131	+135	1383.858	265.529			Back on Road	
X	0				5.1	-		-5.1		4773.9	X	0	0	1383.989	265.394				
469	142		307° 40'	-	4.1	-		-4.1		4774.9		+110	-89	1384.099	265.305				
470	473		307° 45'	-	4.7	88° 50'	+9.6	+4.9		4783.9		+368	-297	1384.357	265.097				
TP	496		307° 19' 07"	+13.4'	5.5	88° 32'	+12.7	+7.2	4786.2		TP	+384	-314	1384.373	265.082				
TP	496				5.4	271° 28'	+12.7	+7.3		TP				+2					
	265		120° 11' 09"	-	9.6	-		+9.6	4795.8		BS	+183	-192						
	265				8.3	BM	+1.3	+9.6		BS				+2					
X	0				5.1	-		-5.1		4790.7	X	0	0	1384.556	264.892				
471	41		322° 20'	-	1.3	-		-1.3		4794.5		+37	-17	1384.593	264.875				
TP	147		314° 25' 04"	-	3.8	-		-3.8	4792.0		TP	+124	-78	1384.680	264.816				
TP	147				3.8	270° -		-3.8		TP				+2					
	226		147° 55' 54"	-	2.0	-		+2.0	4794.0		BS	+214	-72						
	226				1.9	270° -		+1.9		BS				+2					
472	0				5.1	-		-5.1		4788.9	X	0	0	1384.894	264.746				
TP	287		333° 52' 38"		5.1	91° -	-5.0	-10.1	4783.9		TP	+280	-63	1385.174	264.685				
TP	287				5.1	269° -	-5.0	-10.1		TP				+2					

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-9-86		B. Cotcamp		B. SALDIVAR		6834		B. C.		1		38			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		Simmons-7 1/2'		ARIZ.		YAVAPAI								J. McCLELLAN	
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
										4783.9					
	318		134° 42' 48"	+13.4	2.7	89° -	-5.6	-2.9	4781.0		BS	+270	-168		
	318				2.6	271° -	-5.6	-3.0		BS			+2		
473	273		135° 05'	-	4.8	89° -	+4.8	70.0		4781.0		-233	+143	1385211	264.662
	π	0			5.1	-		-5.1		4775.9	π	0	0	1385444	264.519
474	55		301° 20'	-	4.3	89° -	+1.0	-3.3		4777.7		+39	-39	1385483	264.480
TP	144		298° 13' 03"	-	6.9	89° -	+2.5	-4.4		4776.6	TP	+96	-108	1385531	264.413
TP	144				6.9	271° -	+2.5	-4.4			TP	-	+2		
	406		125° 59' 32"	+13.4	10.8	-		+10.8	4787.4		BS	+308	-264		
	406				10.7	270° -		+10.7		BS			-	+2	
475	178		139° 25'	-	4.6	94° -	-12.4	-17.0		4770.4		-158	+81	1385688	264.232
	π	0			5.1	-		-5.1		4782.3	π	0	0	1385846	264.151
476	149		307° -	-	4.8	93° 10'	-8.2	-13.0		4774.4		+115	-95	1385961	264.056
TP	311		311° 25' 03"	-	5.3	90° 40'	-3.6	-8.9		4778.5	TP	+254	-179	1386099	263.974
TP	311				5.7	269° 20'	-3.6	-8.8			TP	-	+2		
	979		149° 16' 24"	+13.4	5.9	91° 50'	+31.3	+37.2	4815.7		BS	+934	-291		
	979				6.0	268° 10'	+31.3	+37.3		BS			-	+2	
477	825		144° 20'	-	5.8	92° 44'	-39.3	-45.1		4770.6		-763	+313	1386269	263.998
478	510		144° 40'	-	6.6	93° 44'	-33.2	-39.8		4775.9		-473	+191	1386559	263.876
479	185		154° 40'	-	3.5	94° 30'	-14.5	-18.0		4797.7		-181	+38	1386851	263.723
	π	0			5.1	-		-5.1		4810.6	π	0	0	1387032	263.685

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE	1-10-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.	LINE NO.	1	PAGE	40	
AREA	ARIZONA	TOPO MAP	Simmons-7 1/2'	STATE	ARIZ.	COUNTY	YAVAPAI	TWP		RANGE		PPM	PARTY MANAGER	J. McClellan

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		
									4812.0								
493	1321		234° 43' 57"	+130	0.9	-		-0.9		4811.1	TP	-501	-1222	1389110	260,803	across sta.	
493	1321				7.5	TH	+6.6	-0.9			TP		+2				
	3832		56° 54' 52"	+128	9.6	90° 50'	+55.7	+65.3	465.23	4876.3	BS	-1328	-3594				
	3832				9.3	269° 10'	+55.7	+65.0			BS	-1	+2				
494	3503		56° 40'	-	5.3	90° 58'	-59.1	-64.4		4811.9		+1229	+3280	1389010	260,491		
495	3173		-	-	5.2	91° 02'	-57.2	-62.4		4813.9		+1113	+2971	1388894	260,182		
496	2843		-	-	6.3	91° 09'	-57.1	-63.4		4812.9		+997	+2662	1388778	259,873		
497	2513		-	-	6.3	91° 07'	-49.0	-55.3		4821.0		+881	+2353	1388662	259,564		
498	2183		56° 40'	-	5.1	91° 04'	-40.6	-45.7		4830.6		+766	+2044	1388547	259,255		
499	1853		-	+128	6.2	91° -	-32.3	-38.5		4837.8		+650	+1735	1388431	258,946		
IF	2010		57° 00'	-	5.5	91° -	-35.1	-40.6		4835.7		+694	+1886	1388475	259,097		
500	1523		56° 40'	-	6.3	91° 07'	-29.7	-36.0		4840.3		+534	+1426	1388315	258,637		
501	1193		-	-	9.1	91° 06'	-22.9	-32.0		4844.3		+418	+1117	1388199	258,328		
502	863		-	-	5.6	91° 06'	-16.6	-22.2		4854.1		+303	+808	1388084	258,019		
503	533		-	-	6.1	90° 40'	-6.2	-12.3		4864.0		+187	+499	1387968	257,710		
IF	722		57° 24' 38"	-	6.0	91° -	-12.6	-18.6		4857.7	IF	+244	+679	1388025	257,890	4-1388025x-257890 T-TRAIL 40' 4-8' cont. 440'	
504	202		56° 40'	-	5.3	90° 40'	-2.4	-7.7		4868.6		+71	+189	1387852	257,400		
π	0				5.1	-		-5.1		4871.2	π	0	0	1387781	257,211		
505	133		219° 50'	+128	5.1	95° -	-11.6	-16.7		4859.6		-81	-106	1387700	257,105		
506	463		219° 30'	-	6.2	93° 18'	-26.7	-32.9		4843.4		-283	-366	1387498	256,845		

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE	1-10-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S.	LINE NO.	1	PAGE	41	
AREA	ARIZONA	TOPO MAP	Simmons - 7 1/2	STATE	ARIZ.	COUNTY	YAVAPAI	TWP		RANGE		PPM	PARTY MANAGER	J. McClellan

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	
									4876.3							
507	793		219 -	+12.8	6.3	92.05	-28.8	-35.1		4841.2		-490	-623	1387291	256,588	
508	1123		218 47	-	6.2	91.46	-34.6	-40.8		4835.5		-698	-880	1387083	256,331	
509	1453		- -	-	6.3	91.38	-41.4	-47.7		4828.6		-903	-1138	1386878	254,073	
510	1783		- -	-	6.3	91.40	-51.9	-58.2		4818.1		-1108	-1397	1386673	255,814	
511	2113		218 47	-	4.7	91.40	-61.5	-66.2		4810.1		-1313	-1656	1386468	255,555	
512	2443		- -	+12.8	6.2	91.28	-62.5	-68.7		4807.6		-1518	-1914	1386263	255,297	
513	2773		- -	-	5.8	91.32	-74.2	-80.0		4796.3		-1723	-2173	1386058	255,038	
514	3103		- -	-	6.4	91.34	-84.8	-91.2		4785.1		-1928	-2431	1385853	254,780	
515	3433		218 54	-	6.7	91.30	-89.9	-96.6		4779.7		-2128	-2694	1385653	254,517	
TP	3602	3600.8	218 51 52	-	4.6	91.30	-94.3	-98.9		4777.4	TP	-2233	-2824	1385548	254,387	
TP	3602				4.5	268 30	-94.3	-98.8			TP					
	670		66 30 08	+12.8	5.3	-		+5.3	4782.7		BS	-124	-658			
	670				+2.0	BH	+3.4	+5.4			BS					
516	503		66 30	-	5.6	90.20	-2.9	-8.5		4774.2		+93	+494	1385517	254,223	
517	174		69 50	-	6.3	91 -	-3.0	-9.3		4773.4		+22	+173	1385446	253,902	
π	0				5.1	-		-5.1		4777.6	π	0	0	1385424	253,729	
518	169		296 30	-	2.6	-		-2.6		4780.1		+107	-131	1385531	253,598	
519	499		295 40	-	4.5	-		-4.5		4778.2		+310	-391	1385734	253,338	
520	829		295 20	-	4.7	BH	-4.1	-8.8		4773.9		+512	-652	1385936	253,077	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1-10-86		B. Cotcamp		B. SALDIVAR		6834		B.S		1		42				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
ARIZONA		Simmons - 7 1/2'		ARIZ.		YAVAPAI								J. McClellan		
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	
									4782.7							
TP	940		294° 09' 12"	+13.2	10.8	-		-10.8	}	4771.9	TP	+570	-747	1385994	252982	
TP	940				10.7	270 -		-10.7				TP				
	590		91° 03' 22"	-	+12.6	BH	+3.0	+15.6	}	4787.5	BS	+145	-572			
	590				+12.5	BH 270 -	+3.0	+15.5				BS				
521	380		88° 25'	-	4.2	91 -	-6.6	-10.8		4776.7		-77	+372	1386062	252782	
522	53		84° 40'	-	5.1	91 -	-0.9	-6.0		4781.5		-7	+53	1386132	252463	
π	0				5.1	-		-5.1		4782.4	π	0	0	1386139	252410	
523	284		296° 20'	+13.2	6.0	91 16	-6.3	-12.3		4775.2		+181	-219	1386320	252191	
524	614		295° 50'	-	5.9	90° 20'	-3.6	-9.5		4778.0		+387	-477	1386526	251933	
525	944		295° 20'	-	5.5	90° 20'	-5.5	-11.0		4776.5		+588	-738	1386727	251672	
Bm	1086		293° 46' 28"	-	7.9	TH	+5.4	-2.5		4785.0	Bm	+653	-868	1386792	251542	U.S. DA. Bm X102 1935
TP	1163		295° 28' 40"	+13.5	7.2	-		-7.2	}	4780.3	TP	+732	-904	1386871	251506	
TP	1163				7.1	270 -		-7.1				TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-12-86		B. Cotcamp		B. SALDIVAR		6834		B.S		1		43			
AREA		TERR MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		Simmons - 7 1/2		ARIZ.		YAVAPA								J. McCLELLAN	
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
										4780.3					
	672		127 58 18	+13.5	12.6	90° 40'	+7.8	+20.4	4800.7		BS	+526	-419		
	672				12.5	267 20	+7.8	+20.3		BS					
526	560		127 35	-	9.8	90° 40'	-6.5	-16.3		4784.4		-436	+352	1386961	251439
527	230		-	-	5.3	TH	+1.2	-4.2		4796.5		-179	+144	1387218	251231
	0				5.1	-	-	-5.1		4795.6	TP	0	0	1,387,397	251,087
528	100		285 35	+135	5.3	92 20	-4.1	-9.4		4791.3		+49	-87	1387446	251000
529	425		269 10	-	5.8	92 20	-17.3	-23.1		4777.6		+93	-415	1387490	250672
530	751		268 58 27	-	6.3	90° 10'	-2.2	-8.5			TP	+162	-733	1,387,559	250,354
530	751				8.4	-	-	-8.4		4792.3	TP				
	387		111 28 42	+135	10.9	91 30	+10.1	+21.0	4813.3		BS	+222	-317		
	387				9.7	91 40	+11.3	+21.0		BS					
531	63		90 55	-	5.3	-	-	-5.3		4808.0		-16	+61	1387765	250098
	0				5.1	-	-	-5.1		4808.2	TP	0	0	1,387,781	250,037
532	242		273 40	-	6.0	92 -	-8.4	-14.4		4798.9		+71	-231	1387852	249806
533	568		263 -	-	4.8	91 14	-12.2	-17.0		4796.3		+64	-564	1387845	249473
TP	611		263 47 48	-	9.8	91 30	-16.0	-25.8	4787.6		TP	+78	-606	1,387,859	249,431
TP	611				9.7	266 30	-16.0	-25.7		TP					
	615		119 14 22	+13.5	6.2	-	-	+6.2			BS	+417	-452		
	615				3.2	TH	+3.1	+6.3	4793.7		BS				
534	327		116 47	-	5.8	-	-	-5.8			4788.1		-211	+249	1388065

Simmons - 7 1/2
Camp Wood 15 1/2

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
1-12-86		B. Cotcamp		B. SALDIVAR		6834		B.S			1		44		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		Camp WOOD-15		ARIZ.		YAVAPI								J. Mc CLELLAN	
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
									4793.9						
535	0				5.1	-		-5.1		4788.8	K	0	0	1,388,276	248,979
536	330		273 -	+135	9.4	-		-9.4		4784.5		+94	-316	1388320	248663
537	660		- -	-	10.6	-		-10.6		4783.3		+187	-633	1388463	248346
538	990		- -	-	5.1	-		-5.1		4788.8		+281	-949	1388557	248030
539	1320		- -	-	10.6	TH	+6.6	-4.0		4789.9		+375	-1266	1388651	247713
540	1649		272 43 40	-	7.1	-		-7.1			TP	+461	-1583	1,388,737	247,396
540	1649				7.0	270 -		-7.0		4786.9	TP				
	1068		78 10 46	+135	5.2	91 -	+18.6	+23.8	4810.7		BS	+31	-1067		
	1068				5.1	269 -	+18.6	+23.7			BS				
541	745		74° 15'	-	8.2	91° 20'	-17.3	-25.5		4785.2		+29	+744	1388797	247073
IF	540		70° 31' 20"	-	12.8	91° 20'	-12.6	-25.4		4785.3	IF	+56	+537	1,388,824	246,866
542	425		66° 05'	-	7.4	92 -	-14.8	-22.2		4788.5		+77	+418	1388845	246747
543	97		56 -	-	6.0	92 -	-3.4	-9.4		4801.3		+34	+91	1388802	246420
K	0				5.1	-		-5.1		4805.6	K	0	0	1,388,768	246,329
544	233		229 10	+135	5.1	87 -	+12.2	+7.1		4817.8		-107	-207	1388661	246122
545	560	559.2	224 30	-	9.8	87 -	+29.3	+19.5		4830.2		-296	-474	1388472	245855
546	882	880.8	219 25	-	8.9	87 -	+46.2	+37.3		4848.0		-531	-703	1388237	245626
TP	1062	1060.9	218 54 42	-	9.8	87° 20'	+49.4	+39.6			TP	-647	-841	1,388,121	245,488
TP	1062				9.7	272° 40'	+49.4	+39.7		4850.4	TP				

1,388,900 x 246,916
IF T-Inter

SURVEY NOTES - HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-12-86		B. Cotcamp		B. SALDIVAR		6834		B.S.		1		45			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		Camp Wood - 15'		ARIZ.		YAVAPAI								J. McCLELLAN	
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
										4850.4					
	342		52 52 33	+135	7.4	91 30	+9.0	+16.4	4866.8		BS	-137	-313		
	342				+7.3	268 30	+9.0	+16.3		BS					
547	190		54 05	-	5.8	92 30	-8.3	-14.1		4852.7		+72	+176	1388056	245351
π	0				5.1	-		-5.1		4861.7	π	0	0	1,387,984	245,175
548	140		260 20	-	4.4	88 -	+4.9	+0.5		4867.3		+9	-140	1387993	245035
549	470		- -	-	12.1	88 20	+13.7	+1.6		4868.4		+31	-469	1388015	244706
550	800		- -	-	5.1	88 20	+23.3	+18.2		4885.0		+53	-798	1388037	244377
551	1130	1129.3	- -	-	6.1	88 -	+39.4	+33.3		4900.1		+76	-1127	1388060	244048
TP	1336	1335.2	259 07 54	+135	12.9	88 -	+46.6	+33.7			TP	+61	-1336	1,388,045	243,839
TP	1336				12.8	272 -	+46.6	+33.8		4900.6	TP				
	403		65 56	-	+8.2	92 20	+16.4	+24.6	4925.2		BS	-74	-396		
	403				+7.0	92 30	+17.6	+24.6		BS					
552	283		65 55	-	5.9	92 40	-13.2	-19.1		4906.1		+52	+278	1388023	243721
π	0				5.1	-		-5.1		4920.1	π	0	0	1,387,971	243,443
553	78		313 10	-	11.9	88 02	+2.7	-9.2		4916.0		+65	-43	1388036	243400
554	398		283 20	-	11.7	92 20	-16.2	-27.9		4897.3		+180	-355	1388151	243088
555	666		270 10	-	5.2	92 -	-23.2	-28.4		4896.8		+157	-647	1388128	242796
TP	741		256 49 21	-	5.0	90 26	-5.6	-10.6			TP	+4	-741	1,387,975	242,702
TP	741				4.9	269 31	-5.6	-10.5		4914.7	TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
1-12-86		B. Lotcamp		B. SANDVAR		6834		B.S		1		46							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
ARIZONA		Camp Wood-15		ARIZ.		YAVAPAI								J. McCLELLAN					
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				
										4914.7									
	1286	1284.4	66° 43' 22"	+13.5	8.3	87° 10'	-63.6	-55.3			BS	-218	-1266						
	1286				8.4	272° 50'	-63.6	-55.2	4859.5		BS								
556	1112	1110.9	66° 24'	-	8.5	87° 30'	+48.5	+40.0		4899.5		+195	+1094	1387952	242530				
557	808		59° 37'	-	6.6	88° -	+28.2	+21.6		4881.1		+235	+773	1387992	242209				
IF	567		57° 44' 09"	-	6.4	88° 30'	+14.8	+8.4		4867.9		+182	+537	1387939	241973				Y = 1387.900 X = 241.960 IF - enter
558	485		57° 25'	-	8.2	88° 30'	+12.7	+4.5		4864.0		+159	+458	1387916	241894				
559	156		62° 50'	-	6.3	89° 10'	+2.3	-4.0		4855.5		+37	+152	1387794	241588				
π	0				5.1	-		-5.1		4854.4	π	0	0	1387.757	241.436				
560	174		256° 05'	+13.5	7.9	89° 10'	+2.5	-5.4		4854.1		-1	-174	1387756	241262				
561	504		-	-	11.7	89° 10'	+7.3	-4.4		4855.1		-4	-504	1387753	240932				
562	834		-	-	5.6	89° 10'	+12.1	+6.5		4866.0		-6	-834	1387751	240602				
563	1164		-	-	8.0	89° 10'	+16.9	+8.9		4868.4		-8	-1164	1387749	240272				
TP	1353		255° 49' 54"	-	11.8	89° 10'	+19.7	+7.9			TP	-16	-1353	1387741	240.083				
TP	1353				11.7	270° 50'	+19.7	+8.0		4867.5	TP								
	1555		93° 20' 28"	+13.5	4.7	91° -	+27.1	+31.8	4899.3		BS	+450	-1488						
	1555				4.6	269° -	+27.1	+31.7			BS								
564	1412		93° 17'	-	6.1	91° -	-24.6	-30.7		4868.6		-408	+1352	1387783	239947				
565	1082		-	-	8.5	91° -	-18.9	-27.4		4871.9		-312	+1036	1387879	239631				
566	752		-	-	11.4	91° -	-13.1	-24.5		4874.8		-217	+720	1387974	239315				
567	422		-	-	5.3	91° -	-7.4	-12.7		4886.6		-122	+404	1388069	238999				

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-12-86		B. Cotcamp		B. SALDIVAR		6834		B.S		1		47			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		CAMP WOOD-15		ARIZ.		YAVAPA.								J. Mc Clellan	
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 TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4899.3						
568	93		90° 10'	+13.5	4.6	-	-4.6		4894.7			-22	+90	1388169	238.685
π	0				5.1	-	-5.1		4894.2	π		0	0	1,388,191	238.595
569	231		235	-	8.2	91	-4.0	-12.2	4887.1			-85	-215	1388106	238.380
π	290		230 23 54	-	7.7	91	-5.1	-12.8	4886.5	π		-128	-260	1,388,063	238.335
TP	461		231 10 42	-	2.7	91	-8.0	-10.7	4888.6	TP		-197	-417	1,387,994	238.178
TP	461				2.7	269	-8.0	-10.7			TP				
	315		66 40 58	+13.5	3.8	93	+18.1	+21.9	4910.5		BS	-59	-339		
	345				9.8	92	+12.0	+21.8			BS				
570	247		64 40'	-	4.9	93 20	-14.4	-19.3	4891.2			+51	+242	1387986	238.081
π	0				5.1	-	-5.1		4905.4	π		0	0	1,387,935	237.839
571	86		201 15	-	5.2	89	+1.5	-3.7	4906.8			-71	-49	1387864	237.790
572	416		- -	-	5.3	88	+14.5	+9.2	4919.7			-342	-237	1387593	237.62
TP	560		199 01 50	-	14.0	88	+19.5	+5.5	4916.0	TP		-472	-301	1,387,463	237.538
TP	560				10.8	88 20	+16.3	+5.5			TP				
	366		10 42 10	+13.5	2.0	-	+2.0		4918.0		BS	-334	-150		
	366				1.9	270	+1.9				BS				
573	185		10 10	-	3.8	-	-3.8		4914.2			+169	+74	1387298	237.462
π	0				5.1	-	-5.1		4912.9	π		0	0	1,387,129	237.388
574	154		232 25	-	5.4	-	-5.4		4912.6			-63	-141	1387066	237.247
575	484		- -	-	10.8	-	-10.8		4907.2			-198	-442	1386931	236.946

119-1,388,020 x - 238,300
creek

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-12-86		B. Cotcamp		B. SALDIVAR		6834		B.S		1		48			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		CAMP WOOD-15'		ARIZ.		YAVAPAI								J. McClellan	
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
									4918.0						
TP	728		232° 46' 30"	+13.5	3.7	74	+3.6	-0.1			TP	-293	-666	1,386,836	236,722
TP	728				3.6	74 270	+3.6	±0.0		4918.0	TP				
	1169	1167.4	80° 00' 50"	+13.3	7.7	93 -	+61.2	+68.9	4986.9		BS	+67	-1165		
	1169				7.6	267 -	+61.2	+68.8			BS				
576	1081	1679.4	80° 10'	-	6.3	93° 10'	-59.7	-66.0		4920.9	IT	-65	+1077	1386838	236,634
577	751	7499	79° 50'	-	10.4	93° 10'	-41.5	-51.9		4935.0		-41	+749	1386862	236,306
578	426	4250	85 -	-	5.5	94 -	-29.7	-35.2		4951.7		-61	+421	1386842	235,978
579	103		79° 50'	-	4.6	94 -	-7.2	-11.8		4975.1		-6	+103	1386897	235,660
X	0				5.1	-		-5.1		4981.8	X	0	0	1,386,903	235,557
580	226		230° 05'	+13.3	5.3	88 -	+7.9	+2.6		4989.5		-101	-202	1386802	235,355
TP	446		227° 11' 08"	-	2.5	88 -	+15.6	+13.1		5000.0	TP	-220	-388	1,386,683	235,169
TP	446				2.5	272 -	+15.6	+13.1			TP				
	980		19° 06' 40"	-	+13.7	91° 40'	+28.5	+42.2	5042.2		BS	-827	-525		
	980				+13.6	268° 20'	+28.5	+42.1			BS				
581	879		18° 49'	-	12.2	91° 40'	-25.6	-37.8		5004.4		+744	+467	1386600	235,111
582	549		- -	-	9.1	91° 10'	-11.2	-20.3		5021.9		+465	+292	1386321	234,936
583	219		- -	-	5.8	90° 30'	-1.9	-7.7		5034.5	#	+185	+116	1386041	234,760
X	0				5.1	-		-5.1		5037.1	X	0	0	1,385,856	234,644
584	110		196° 25'	+13.3	7.2	90° 30'	-1.0	-8.2		5034.0		-96	-55	1385760	234,589
585	429		185° 40'	-	5.5	89° 30'	+3.7	-1.8		5040.4		-406	-139	1385450	234,505

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-12-86		B. Cotcamp		B. SALDIVAR		6834		B.5		1		49			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		Camp Wood-15'		ARIZ.		YAVAPI								J. M. C. Clellan	
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
									5042.2						
586	755		182° 32' 21"	+13.3	7.6	88° -	+26.3	+18.7			TP	-726	-206	1,385,130	234,438
586	755				7.5	272° -	+26.3	+18.8		5061.0	TP				
	714	713.0	15° 33' 34"	-	9.0	93° -	+37.4	+46.4	5107.4		BS	-624	-344		
	714				8.9	267° -	+37.4	+46.3			BS				
587	385		13° 45'	-	10.9	92° -	-13.4	-24.3		5083.1		+343	+175	1384849	234,269
588	57		12° 45'	-	6.4	92° -	-2.0	-8.4		5099.0		+51	+25	1384557	234,119
	0				5.1	-		-5.1		5102.3	X	0	0	1,384,566	234,044
589	251	250.4	164° 35'	+13.3	5.9	86° -	+17.5	+11.6		5119.0		-250	+9	1384256	234,103
TP	470	468.2	159° 43' 24"	-	6.9	85° -	+41.0	+34.1			TP	-465	+57	1,384,041	234,151
TP	470				6.8	275° -	+41.0	+34.2		5141.6	TP				
	664		28° 57' 46"	-	11.3	92° -	+23.2	+34.5	5176.1		BS	-491	-446		
	664				11.2	268° -	+23.2	+34.4			BS				
590	542	541.4	28° 42'	-	5.9	92° 40'	-25.2	-31.1		5145.0		+402	+362	1383952	234,067
591	225		15° -	-	7.9	92° 40'	-10.5	-18.4		5157.7		+198	+107	1383748	233,812
	0				5.1	-		-5.1		5171.0	X	0	0	1,383,550	233,705
592	107		208° 40'	+13.3	4.3	87° -	+5.6	+1.3		5177.4		-80	-72	1383470	233,633
593	436	435.1	201° 35'	-	5.7	86° 20'	+27.9	+22.2		5198.3		-357	-249	1383193	233,456
TP	624	622.8	202° 22' 02"	-	7.6	86° 30'	+38.1	+30.5			TP	-506	-363	1,383,044	233,342
TP	624				7.5	273° 30'	+38.1	+30.6		5206.7	TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
1-12-86		B. Cotcamp		B. SALDIVAR		6834		B.S		1	50					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
ARIZONA		Camp Wood-15		ARIZ.		YAVAPAI					J. McClellan					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFER-ENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
										5206.7						
	484	483.3	65 51 58	+13.3	6.1	93 -	+25.3	+31.4	5238.1		BS	-91	-475			
	484				6.0	267 -	+25.3	+31.3		BS						
594	330	329.4	66 25	-	5.8	93 30	-20.1	-25.9		5212.2		+59	+324	1383012	233.191	
595	0				5.1	-		-5.1		5233.0	X	0	0	1,382,953	232,867	Access Sta.
596	330	329.2	251 55	-	5.9	86 -	+23.0	+17.1		5255.2		-27	-328	1382926	232,539	
597	660	658.4	251 15	-	7.1	86 -	+46.0	+38.9		5277.0		-63	-655	1382890	232,212	
598	989	986.6	251 20	+13.3	7.2	86 -	+69.0	+61.8		5299.9		-92	-982	1382861	231,885	
599	1316	1312.5	250 15	-	6.0	85 50	+95.6	+89.6		5327.7		-147	-1304	1382806	231,563	
600	1638	1633.3	249 16 04	-	11.2	85 40	+123.8	+112.6			TP	-211	-1620	1,382,742	231,247	
600	1638				11.1	274 20	+123.8	+112.7		5350.8	TP					
	336	335.0	68 17 57	-	10.0	94 20	+25.4	+35.4	5386.2		BS	-49	-331			
	336				9.9	265 40	+25.4	+35.3		BS						
601	0				5.1	-		-5.1		5381.1	X	0	0	1,382,693	230,916	Access Sta.
602	328	327.0	257 10	+13.3	9.0	85 30	+25.7	+16.7		5402.9		+3	-327	1382696	230,589	
603	657	655.0	256 40	-	8.2	85 30	+51.5	+43.3		5429.5		±0	-655	1382693	230,261	
604	960	957.0	247 38 40	-	9.8	85 30	+75.3	+65.5			TP	-151	-945	1,382,542	229,971	
604	960				9.7	274 30	+75.3	+65.6		5451.8	TP					
	660	658.9	51 11 03	-	9.2	93 20	+38.4	+47.6	5499.4		BS	-284	-595			
	660				9.1	266 40	+38.4	+47.5		BS						
605	330		51 10	-	6.8	93 -	+17.3	-24.1		5475.3		+142	+298	1382400	229,674	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1-13-86		B. Cotcamp		B. SALDIVAR		6834		B.S		1		51				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
ARIZONA		Camp Wood - 15'		ARIZ.		YAVAPAI								J. McCLELLAN		
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
									5499.4							
606	0				5.1	-		-5.1		5494.3	π	0	0	1,382,258	229,376	ACROSS STA.
TP	268		245 22 48	+13.3	9.4	-		-9.4			TP	-53	-263	1,382,205	229,114	
TP	268				9.3	270 -		-9.3		5490.1	TP		+			
	575		102 07 10	-	+10.2	74	-29	+7.3			BS	+247	-519			
	575				+14.1	89 20	-6.7	+7.4	5497.5		BS		+			
607	498		100 50	-	4.9	74	+2.5	-2.4		5495.1		-204	+454	1382248	229,050	
608	169		98 10	-	5.3	88 30	+4.4	-0.9		5496.6		-62	+157	1382390	228,753	
π	0				5.1	-		-5.1		5492.4	π	0	0	1,382,452	228,596	
609	156		248 05	+13.3	5.6	88 30	+4.1	-1.5		5496.0		-23	-154	1382429	228,442	
610	485		241 50	-	6.4	88 30	+12.7	+6.3		5503.8		-124	-469	1382528	228,127	
611	814		239 40	-	4.5	88 30	+21.3	+16.8		5514.3		-238	-778	1382214	227,818	
612	1142		240 50	-	8.9	87 30	+49.8	+40.9		5538.4		-312	-1098	1382110	227,498	
TP	1286	1284.4	242 05 24	-	14.4	87 06	+65.1	+50.7			TP	-324	-1243	1,382,128	227,354	
TP	1286				14.3	272 54	+65.1	+50.8		5548.3	TP		+			
	1618		72 26 10	+13.3	10.4	BH	+8.1	+18.5	5566.8		BS	-120	-1614			
	1618				+10.3	BH 270	+8.1	+18.4			BS		+			
613	1435		72 02	-	11.1	90 20	-8.3	-19.4		5547.4		+117	+1430	1382125	227,171	
614	1105		-	-	7.1	90 20	-6.4	-13.5		5553.3		+90	+1101	1382098	226,842	
615	775		-	-	6.8	90 50	-11.3	-18.1		5548.7		+63	+772	1382071	226,513	
616	446		-	-	7.1	92 50	-22.0	-29.1		5537.7		+36	+445	1382044	226,186	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
1-13-86		B. C. Camp		B. SALDIVAR		6834		B.S.			1		52		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		Camp Wood-15		ARIZ.		YAVAPI								J. McCLELLAN	
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
									5566.8						
617	117		72° 02'	+13.3	9.1	92.5	-5.8	-14.9		5551.9		+10	+117	1382018	225.858
π	0				5.1	-		-5.1		5561.7	π	0	0	1,382,008	225.741
618	213		252° 17'	-	4.7	89° -	+3.7	-1.0		5565.8		-16	-212	1381992	225.529
11'	302		251° 24' 34"	-	7.0	89° -	+5.3	-1.7		5565.1	11'	-28	-301	1,381,980	225.440
619	543		252° 17'	-	6.5	-		-6.5		5560.3		-42	-541	1381966	225.200
620	872		-	-	11.0	-		-11.0		5555.8		-67	-869	1381941	224.872
621	1202		-	-	4.8	71°	+6.0	+1.2		5568.0		-93	-1198	1381915	224.543
TP	1307		252° 51' 30"	-	5.0	89° 30'	+11.4	+6.4			TP	-88	-1304	1,381,920	224.438
TP	1307				4.9	270° 30'	+11.4	+6.5		5573.3	TP		"		
	604		121° 45' 48"	+13.3	12.6	92° -	+21.1	+33.7	5607.0		BS	+427	-426		
	604				12.5	268° -	+21.1	+33.6			BS		"		
622	369		120° 45'	-	6.7	91° 30'	-9.7	-16.4		5590.6		-257	+265	1382090	224.278
623	43		106° 30'	-	6.3	91° 30'	-1.1	-7.4		5599.6		-21	+37	1382326	224.050
π	0				5.1	-		-5.1		5601.9	π	0	0	1,382,347	224.013
624	282	280.7	257° 54' 08"	-	10.4	84° 30'	+27.0	+16.6			TP	+6	-281	1,382,353	223.733
624	282				10.3	275° 30'	+27.0	+16.7		5623.7	TP		"		
	419	418.2	102° 44' 54"	-	8.2	93° 30'	+25.6	+33.8	5657.5		BS	+184	-376		
	419				9.4	93° 20'	+24.4	+33.8			BS		"		
625	102		99° 20'	-	7.1	94° -	-7.1	-14.2		5643.3		-39	+94	1382498	223.452
π	0				5.1	-		-5.1		5652.4	π	0	0	1,382,537	223.358

Y=1,381,800 X=225,500
TRAIL

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
1-13-86		B. C. Camp		B. SALDIVAR		6834		B.S		1	53			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
ARIZONA		Camp WOOD-15'		ARIZ.		YAVAPAI					J. McCLELLAN			
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.	
									5657.5					
626	224		246 40'	+13.3	6.7	88° -	+7.8	+1.1		5658.6		-39	-221	1382498 223.137
627	549	548.3	247 05'	-	10.2	87° -	+28.7	+18.5		5676.0		-92	-541	1382445 222.817
628	876	874.8	246 21 15	-	8.0	87° -	+45.8	+37.8			TP	-157	-861	1.382380 222.498
628	876				7.9	273° -	+45.8	+37.9		5695.4	TP		+	
	351		38 17 22	+135+	8.7	92° -	+12.3	+21.0	5716.4		BS	-217	-276	
	351				8.6	268° -	+12.3	+20.9			BS		+	
629	44		350 -	-	6.7	93° -	-2.3	-9.0		5707.4		+44	+3	1382207 222.226
	0				5.1	-		-5.1		5711.3	TP	0	0	1.382163 222.223
630	329	328.4	272 45'	-	5.2	86 30'	+20.1	+14.9		5731.3		+92	-315	1382255 221.908
631	659	657.8	274 10'	-	9.9	86 30'	+40.2	+30.3		5746.7		+200	-627	1382363 221.596
TP	697	695.7	273 43 23	-	10.1	86 30'	+42.6	+32.5			TP	+206	-665	1.382369 221.559
TP	697				10.0	273 30'	+42.6	+32.6		5749.0	TP		+	
	1081	1078.0	93 23 03	+13.5+	14.0	94 18'	+81.1	+95.1			BS	+313	-1031	
	1081				14.1	265 42'	+81.1	+95.2	5844.2		BS	+	+	
632	795	792.2	89 20'	-	8.6	94 50'	-67.0	-75.6		5768.6		-176	+772	1382507 221.301
633	467	464.4	87 22'	-	4.0	96° -	-48.8	-52.8		5791.4		-88	+456	1382595 220.985
634	260	258.6	45 50'	-	4.2	96° -	-27.2	-31.4		5812.8		+132	+222	1382815 220.751
635	317		337 05'	-	4.9	92 30'	-13.8	-18.7		5825.5		+313	-52	1382996 220.477
636	116		316 45'	-	6.4	92 30'	-5.1	-11.5		5832.7		+101	-58	1382784 220.471
	0				5.1	-		-5.1		5839.1	TP	0	0	1.382683 220.529

635 634
636
SHORT INTERVAL
637

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-13-86		B. Cotcamp		B. SALDIVAR		6834		B.S		1		54			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		CAMP WOOD - 15'		ARIZ.		YAVAPA.								J. McCLELLAN	
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
									5844.2						
637	222		177° 05'	+13.5	5.0	87° -	+11.6	+6.6		5850.8		-218	-41	1,382,465	220,488
TP	303		177° 50' 24"	-	5.5	87° -	+15.9	+10.4			TP	-297	-60	1,382,387	220,470
TP	303				5.4	273° -	+15.9	+10.5		5854.7	TP	"	"		
	1279	1275.9	33° 14' 34"	-	14.0	94° -	+89.2	+103.2			BS	-874	-929		
	1279				14.1	206° -	+89.2	+103.3	5958.0		BS	"	"		
Bm	1255	1252.4	31° 32'	-	8.6	93° 40'	-80.3	-88.9		5869.1	Bm	+885	+886	1,382,399	220,428
638	1026	1022.8	31° 40'	-	10.3	94° 32'	-81.1	-91.4		5866.6		+721	+725	1,382,235	220,267
639	716	713.5	26° -	-	10.1	94° 50'	-60.3	-70.4		5887.6		+551	+454	1,382,065	219,996
640	495	492.4	3° 13'	-	8.3	95° 50'	-50.3	-58.6		5899.4		+472	+142	1,381,986	219,684
π	0				5.1	-	-	-5.1		5952.9	π	0	0	1,381,514	219,542
641	576	571.7	328° 10'	+135	6.5	97° -	-70.2	-76.7		5881.3		+543	-180	1,382,057	219,362
642	877	873.8	329° 21'	-	12.7	94° 54'	-74.9	-87.6		5870.4		+835	-258	1,382,349	219,284
643	1120	1116.3	318° 35'	-	6.0	94° 40'	-91.1	-97.1		5860.9		+986	-523	1,382,500	219,019
644	1262	1258.4	304° 48'	-	6.7	94° 20'	-95.4	-102.1		5855.9		+940	-837	1,382,454	218,705
645	1574	1571.8	301° 50'	-	6.4	93° -	-82.4	-92.8		5865.2		+1118	-1105	1,382,632	218,437
646	1899	1896.9	302° 40'	-	11.7	92° 40'	-88.4	-99.6		5858.4		+1368	-1314	1,382,882	218,228
647	2196	2194.5	299° 05'	-	5.5	92° 08'	-81.7	-87.2		5870.8		+1485	-1616	1,382,999	217,926
648	2478	2477.2	294° 52'	-	4.9	91° 26'	-62.0	-66.9		5891.1		+1538	-1942	1,383,052	217,600
649	2737		290° 35'	-	9.9	91° -	-47.8	-57.7		5900.3		+1534	-2267	1,383,048	217,275

5-1,382,320 x -220,400
U.S.D.A. 1935 EL. 5878.0
B-103

OFF ROAD

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-13-86		B. Cotamp		B. SALDIVAR		6834		B.5		1		55			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		CAMP WOOD-15		ARIZ.		YAVAPAI								J. Mc CLELLAN	
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
									5958.0						
650	3044		289° 32'	+13.5	12.6	91° -	-53.1	-65.7		5892.3		+1659	-2552	1,383,173	216,990
TP	3069	3068.4	286° 46' 57"	+13.8	3.8	91° 10'	-62.5	-66.3		5891.7	TP	+1561	-2642	1,383,076	216,901
TP	3069				3.9	268° 50'	-62.5	-66.4			TP	+			
	794		92° 25' 57"	-	6.7	88° 30'	-20.8	-14.1	5877.6		BS	+222	-762		
	794				4.4	88° 40'	-18.5	-14.1			BS	+	+		
651	572		95° 35'	-	11.0	88° 40'	+13.3	+2.3		5879.9		-190	+540	1,383,109	216,680
652	242		96° 30'	-	5.7	89° 40'	+1.4	-4.3		5873.3		-84	+227	1,383,215	216,367
π	0				5.1			-5.1		5872.5	π	0	0	1,383,299	216,140
653	103		314° 20'	+13.8	6.6	94° 40'	-8.4	-15.0		5862.6		+87	-54	1,383,386	216,086
654	424	423.3	293° 30'	-	5.3	93° 20'	-24.7	-30.0		5847.6		+257	-337	1,383,556	215,803
655	751		295° 53'	-	26.0	91° 53'	-24.7	-50.7		5826.9		+480	-578	1,383,779	215,562
TP	918	917.2	292° 01' 01"	-	11.8	92° 20'	-37.4	-49.2			TP	+537	-744	1,383,837	215,397
TP	918				11.7	267° 40'	-37.4	-49.1		5828.5	TP	"	"		
	633		84° 43'	+13.8	4.3	88° 30'	-16.6	-12.3	5816.2		BS	+94	-626		
	633				6.1	88° 20'	-18.4	-12.3			BS	"	"		
656	487		84° 14'	-	5.3	88° 10'	+15.6	+10.3		5826.5		-68	+482	1,383,864	215,254
657	158		76° 05'	-	6.8	88° 10'	+5.1	-1.7		5814.5		±0	+158	1,383,932	214,930
π	0				5.1			-5.1		5811.1	π	0	0	1,383,932	214,772
658	166		251° 10'	-	5.7	91° -	-2.9	-8.6		5807.6		-15	-165	1,383,917	214,607
659	494		245° 15'	-	7.6	91° 10'	-10.1	-17.7		5798.5		-94	-485	1,383,838	214,287

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
1-13-86		B. Cotcamp		B. SALDIVAR		6834		B.S		1		56							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
ARIZONA		CAMP WOOD - 15		ARIZ.		YAVAPAI								J. McCLELLAN					
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				
									5816.2										
660	825		245° 40'	+13.8	9.4	91° 10'	-16.8	-26.2		5790.0		-151	-811	1,383.781	213.961				
TP	879		245° 18' 04"	-	5.5	91° 10'	-17.9	-23.4			TP	-166	-863	1,383.767	213.910				
TP	879				5.4	268° 50'	-17.9	-23.3		5792.9	TP	+	+						
	616	614.9	106° 16' 39"	-	+7.6	86° 30'	-37.6	-30.0	5762.9		BS	+308	-532						
	616				+7.5	273° 30'	-37.6	-30.1			BS	+	+						
661	330		104° 55'	-	5.1	86° 30'	+20.1	+15.0		5777.9		-159	+289	1,383.917	213.668				
662	0				5.1	-		-5.1		5757.8	π	0	0	1,384.076	213.379				
663	330		270° 20'	-	5.8	-		-5.8		5757.1		+81	-320	1,384.157	213.059				
TP	443		264° 53' 08"	-	3.9	84°	-2.2	-6.1		5756.8	TP	+67	-438	1,384.144	212.942				
TP	443				3.9	84° 22'	-2.2	-6.1			TP	+	+						
	603	602.2	77° 12' 31"	+13.8	9.8	87°	-31.6	-21.8			BS	+11	-602						
	603				8.1	87° 10'	-29.8	-21.7	5735.1		BS	+	+						
664	391	390.4	76°	-	5.7	86° 50'	+21.6	+15.9		5751.0		+1	+390	1,384.157	212.731				
665	62		66° 50'	-	4.7	86° 50'	+3.4	-1.3		5733.8		+10	+61	1,384.166	212.402				
π	0				5.1	-		-5.1		5730.0	π	0	0	1,384.156	212.341				
666	270		266° 27'	-	6.2	92°	+9.4	-15.6		5719.5		+48	-266	1,384.204	212.075				
667	600		266° 35'	-	5.5	90° 30'	-5.2	-10.7		5724.4		+108	-590	1,384.264	211.751				
TP	872		265° 17' 48"	-	4.8	90° 50'	-12.7	-17.5			TP	+138	-861	1,384.295	211.481				
TP	872				4.7	269° 10'	-12.7	-17.4		5717.7	TP	+	+						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAKE		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-13-86		B. Ctcamp		B. SALDIVAR		6834		B.S		1		57			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		CAMP WOOD -15'		ARIZ.		YAVAPAI								J. Mc CLELLAN	
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
										5717.7					
	943		55 17 52	+13.8	7.8	89	-16.5	-8.7	5709.0		BS	-336	-881		
	943				+7.7	271	-16.5	-8.8		BS					
668	886		54 55	-	5.4	89 20	+10.3	+4.9		5713.9		+322	+826	1,384,281 211,427	
Bm	656		52 49 24	-	9.7	90 10	-1.9	-11.6		5697.4	Bm	+260	+602	1,384,219 211,203	
669	557		55	-	7.4	90 30	-4.9	-12.3		5696.7		+201	+519	1,384,160 211,120	
670	234		61 20	-	9.0	90 30	-2.0	-11.0		5698.0		+60	+226	1,384,019 210,827	
X	0				5.1			-5.1		5703.9	X	0	0	1,383,959 210,601	
671	96		258 05	+13.8	5.1	87 30	+4.2	-0.9		5708.1		+3	-96	1,383,962 210,505	
Bm	86	85.2	292 04 03	-	14.4	82 06	+11.8	-2.6		5706.4	Bm	+50	-69	1,384,009 210,532	
672	426		258 05	-	4.2	87 30	+18.6	+14.4		5723.4		+14	-426	1,383,973 210,175	
673	756	755.3	-	-	10.3	87 30	+33.0	+22.7		5731.7		+25	-755	1,383,984 209,846	
674	1086	1085.0	-	-	6.7	87 30	+47.4	+40.7		5749.7		+36	-1084	1,383,995 209,517	
TP	1357	1356.0	257 45 25	-	12.0	87 50	+51.3	+39.3		5748.3	TP	+37	-1356	1,383,996 209,246	
TP	1357				11.9	272 10	+51.3	+39.4			TP				
	383		59 39 52	+13.8	8.6			+8.6	5756.9		BS	-109	-367		
	383				+6.7	BH	+1.9	+8.6		BS					
675	328		57 45	-	9.0			-9.0		5747.9		+104	+311	1,383,991 209,191	
676	0				5.1			-5.1		5751.8	X	0	0	1,383,887 208,880	
677	330		221 25	-	5.6	89 10	+4.8	-0.8		5756.1		-188	-271	1,383,699 208,609	
678	660		-	-	6.7	89 10	+9.6	+2.9		5759.8		-377	-542	1,383,510 208,338	

1,384,285 x 211,220
U.S.D.A. 1935 EL. 5706.0

1,384,000 x 210,440
U.S.G.S. EL. 5708.0
PRSCOTT

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-13-86		B. Cotcamp		B. SALDIVAR		6834		B.S		1		58			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		CAMP WOOD-15		ARIZ.		YAVAPI.								J. McCLELLAN	
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
									5756.9						
TP	892		222 53 54	+13.8	4.9	89 10	+13.0	+8.1	}	5765.0	TP	-490	-745	1,383,397	208,134
TP	892				4.8	270 50	+13.0	+8.2		TP					
	636		74 12 31		+9.6	91 -	+11.1	+20.7	}	5785.7	BS	-22	-636		
	636				+9.5	269 -	+11.1	+20.6		BS					
679	531		73 -	-	8.0	91 20	-12.4	-20.4		5765.3		+30	+530	1,383,405	208,031
680	201		75 10	-	5.1	91 10	-4.1	-9.2		5776.5		+4	+201	1,383,379	207,702
K	0				5.1	-		-5.1		5780.6	K	0	0	1,383,375	207,501
681	140		289 10	+13.8	5.8	88 40	+3.3	-2.5		5783.2		+76	-117	1,383,451	207,384
682	468		281 36	-	4.9	88 20	+13.6	+8.7		5794.4		+201	-423	1,383,576	207,078
683	786		285 40	-	8.8	88 20	+22.9	+14.1		5799.8		+387	-684	1,383,762	206,817
TP	1068		281 36 04	-	6.6	88 20	+31.1	+24.5	}	5810.2	TP	+458	-964	1,383,833	206,538
TP	1068				6.5	271 40	+31.1	+24.6		TP					
	355		56 16 42	+13.8	14.5	91 -	+6.2	+20.7	}	5830.9	BS	-121	-334		
	355				14.4	269 -	+6.2	+20.6		BS					
684	324		51 40	-	11.4	91 20	-7.5	-18.9		5812.0		+135	+295	1,383,847	206,500
685	0				5.1	-		-5.1		5825.8	K	0	0	1,383,712	206,205
686	325		243 05	-	7.0	89 06	+5.1	-1.9		5829.0		-74	-317	1,383,638	205,888
TP	508		248 40 30	-	6.7	89 -	+8.9	+2.2	}	5833.1	TP	-67	-504	1,383,645	205,702
TP	508				6.7	271 -	+8.9	+2.2		TP					

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
1-13-86		B. Cotcamp		B. SALDIVAR		6834		B.S.			1		59		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		Camp Wood-15		ARIZ.		YAVAPAI								J. McClellan	
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
										5833.1					
	360		62 48 -	+13.8	8.5	92 -	+12.6	+21.1			BS	-83	-350		
	360				8.4	268 -	+12.6	+21.0	5854.1		BS		+		
687	237		48 58	-	6.5	92 30	-10.3	-16.8		5837.3		+108	+211	1,383.670	205.564
π	0				5.1	-		-5.1		5849.0	π	0	0	1,383.562	205.353
688	84		227 10	-	5.4	86 30	+5.1	-0.3		5853.8		-41	-73	1,383.521	205.280
689	397	396.3	220 10	-	5.6	86 30	+24.2	+18.6		5872.7		-233	-320	1,383.329	205.033
690	726	724.6	220 38	-	4.3	86 24	+45.6	+41.3		5895.4		-421	-589	1,383.141	204.764
TP	868		221 00 28	-	8.6	86 -	+60.5	+51.9		5906.0	TP	-499	-708	1,383.063	204.646
TP	868				8.5	274 -	+60.5	+52.0			TP		+		
	407		96 03 40	+13.8	7.5	90 30	+3.6	+11.1	5917.1		BS	+138	-383		
	407				8.7	90 20	+2.4	+11.1			BS		+		
691	207		97 35	-	5.2	90 40	-2.4	-7.6		5909.5		-75	+193	1,383.126	204.457
π	0				5.1	-		-5.1		5912.0	π	0	0	1,383.201	204.264
692	126		300 05	-	4.9	89 20	+1.5	-3.4		5913.7		+87	-91	1,383.288	204.173
693	452		301 45	-	5.2	89 -	+7.9	+2.7		5919.8		+323	-317	1,383.524	203.947
TP	731		294 56 30	-	10.6	88 20	+21.3	+10.7		5927.8	TP	+457	-570	1,383.658	203.695
TP	731				10.5	271 40	+21.3	+10.8			TP		+		
	648		89 32 56	+13.8	13.4	91 -	+11.3	+24.7	5952.5		BS	+150	-630		
	648				11.5	91 10	+13.2	+24.7			BS		+		
694	610		89 30	-	6.6	91 40	-17.7	-24.3		5928.2		-140	+594	1,383.668	203.660

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
1-13-86		B. Cotcamp		B. SALDIVAR		6834		B.S		1		60							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
ARIZONA		CAMP WOOD-15		ARIZ.		YAVAPAI								J. McCLELLAN					
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				
									5952.5										
695	282		86° 35'	+13.8	4.9	91° 40'	-8.2	-13.1		5939.4		-51	+277	1,383,757	203,343				
π	0				5.1	-		-5.1		5947.4	π	0	0	1,383,808	203,066				
696	47		249° 15'	-	5.3	88° 10'	+1.5	-3.8		5948.7		-6	-47	1,383,802	203,019				
697	377		250° -	-	8.5	89° 10'	+5.5	-3.0		5949.5		-41	-375	1,383,767	202,691				
TP	430		249° 19' 10"	+13.6	11.7	89° 20'	+5.0	-6.7	}	5945.8	TP	-53	-427	1,383,755	202,640				
TP	430				11.6	270° 40'	+5.0	-6.6			TP			"					
	501		69° 18' 03"	-	4.1	88° -	-17.5	-13.4	}	5932.4	BS	-62	-497						
	501				4.0	272° -	-17.5	-13.5			BS			"					
698	226		65° 18'	-	5.0	88° -	+7.9	+2.9		5935.3		+44	+222	1,383,737	202,366				
π	0				5.1	-		-5.1		5927.3	π	0	0	1,383,693	202,144				
699	104		220° -	+13.6	4.9	89° -	+1.8	-3.1		5929.3		-62	-84	1,383,631	202,060				
TP	220		210° 53' 49"	-	7.0	89° -	+3.8	-3.2	}	5929.2	TP	-157	-154	1,383,536	201,991				
TP	220				6.9	271° -	+3.8	-3.1			TP			"					
	406		9° 44' 12"	-	8.5	88° -	-14.2	-5.7	}	5923.5	BS	-373	-161						
	406				8.5	272° -	-14.2	-5.7			BS			"					
700	204		11° 46'	-	5.4	87° 40'	+8.3	+2.9		5926.4		+184	+87	1,383,347	201,918				
π	0				5.1	-		-5.1		5918.4	π	0	0	1,383,163	201,831				
701	133		223° 45'	-	6.0	87° 40'	+5.4	-0.6		5922.9		-72	-112	1,383,091	201,719				
702	462		216° 50'	-	12.1	90° 08'	-1.1	-13.2		5910.3		-294	-356	1,382,869	201,475				

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-13-86		B. Camp		B. SALDIVAR		6834		B.S		1		61			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		Camp Wood-15'		ARIZ.		YAVAPI								J. McCLELLAN	
STATION NO. 702	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
TP	555		216 45 57	+13.6	11.4	89 40	+3.2	-8.2			TP	-354	-427	1,382,809	201,405
TP	555				11.3	270 20	+3.2	-8.1		5915.4	TP		"		
	754	752.9	92 02 54	-	0.9	86 50	-41.7	-40.8			BS	+203	-725		
	754				+0.8	273 10	-41.7	-40.9	5874.5		BS		"		
703	501		91 40	-	6.5	87 -	+26.2	+19.7		5894.2		-132	+483	1,382,880	201,164
704	176		86 -	-	5.0	89 30	+1.5	-3.5		5871.0		-29	+174	1,382,983	200,855
X	0				5.1	-		-5.1		5869.4	X	0	0	1,383,012	200,681
705	159		241 40	+13.6	6.8	89 30	+1.4	-5.4		5869.1		-40	-154	1,382,772	200,527
706	488		237 45	-	8.0	89 20	+5.7	-2.3		5872.2		-156	-462	1,382,856	200,219
TP	669		236 01 07	-	13.3	89 20	+7.8	-5.5			TP	-233	-627	1,382,779	200,055
TP	669				13.2	270 40	+7.8	-5.4		5869.1	TP		"		
	354		49 45 34	-	+6.9	89 10	-5.1	+1.8	5870.9		BS	-159	-316		
	354				+6.9	270 50	-5.1	+1.8			BS		"		
707	207		49 50	-	5.2	89 10	+3.0	-2.2		5868.7		+93	+185	1,382,713	199,925
X	0				5.1	-		-5.1		5865.8	X	0	0	1,382,626	199,740
708	126		274 30	-	5.0	87 -	+6.6	+1.6		5872.5		+39	-120	1,382,659	199,620
709	456		274 10	-	5.8	87 -	+23.9	+18.1		5889.0		+139	-434	1,382,759	199,306
TP	559	558.2	270 59 31	-	6.7	87 -	+29.3	+22.6			TP	+141	-540	1,382,761	199,201
TP	559				6.6	273 -	+29.3	+22.7		5893.6	TP		"		

SURVEY NOTES-HIGH RESOLUTION DATA

GE0-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
1-14-86		B. Cotcamp		D. SALDIVAR		6834		B.S			1		62		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		Camp Wood-15'		ARIZ.		YAVAPI								J. McLELLAN	
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
									5893.6						
	417		47 30 06	+136	4.6	87° 30'	-18.2	-13.6	5880.0		BS	-201	-365		
	417				+4.5	272 30	-18.2	-13.7			BS		"		
710	187		45 50	-	5.9	87° 30'	+8.2	+2.3		5882.3		+95	+161	1,382,655	198,998
711	397		52 36 24	-	6.9	87° 30'	+17.3	+10.4		5890.4	711	+160	+363	1,382,720	199,200
	0				5.1	-		-5.1		5874.9	711	0	0	1,382,560	198,837
711	133		219 20	-	8.7	-		-8.7		5871.3		-80	-106	1,382,480	198,731
712	459		207	-	5.7	91	-8.0	-13.7		5866.3		-349	-299	1,382,211	198,538
TP	740		206 27 34	-	7.4	91 20	-17.2	-24.6			TP	-566	-476	1,381,994	198,361
TP	740				7.3	268 40	-17.2	-24.5		5855.5	TP				
	259		33 53 34	+136	5.7	88	-9.0	-3.3	5852.2		BS	-175	-191		
	259				5.7	272	-9.0	-3.3			BS				
713	215		29 27	-	5.8	88	+7.5	+1.7		5853.9		+157	+147	1,381,976	198,317
	0				5.1	-		-5.1		5847.1	713	0	0	1,381,819	198,170
714	110		188 05	-	8.9	-		-8.9		5843.3		-102	-41	1,381,717	198,129
715	432		180 50	-	6.5	74	+2.2	-4.3		5847.9		-418	-108	1,381,401	198,062
TP	646		179 45 32	-	7.6	89 30	+5.6	-2.0		5850.2	TP	-629	-149	1,381,190	198,021
TP	646				7.6	270 30	+5.6	-2.0			TP				
	550		30 40 57	-	11.8	88	-19.2	-7.4	5842.8		BS	-394	-384		
	550				11.7	272	-19.2	-7.5			BS				

$y = 1382720x - 199200$
 711 y-inter. EL 5898.0
 Horiz y = +12'
 Coll. x = +16'

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

GE0-445

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-14-86		B. Cotcamp		B. SALDIVAR		6834		B.S		1		63			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Arizona		Camp Wood - 15'		ARIZ.		YAVAPAI								J. Mc Clellan	
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
									5842.8						
716	427	427	30° 45'	+13.6	4.9	88° 20'	+12.4	+7.5		5850.3		+305	+298	1,381,101	197,935
717	104		19° -	-	7.3	90° 20'	-0.6	-7.9		5834.9		+90	+53	1,380,886	197,690
κ	0				5.1	-		-5.1		5837.7	κ	0	0	1,380,796	197,637
718	281		283° 30'	-	6.0	87° -	+14.7	+8.7		5851.5		+128	-250	1,380,924	197,387
TP	418		281° 35' 50"	-	4.8	88° -	+14.6	+9.8		5852.7	TP	+178	-378	1,380,974	197,259
TP	418				4.7	272° -	+14.6	+9.9			TP				
	552		69° 35' 52"	+13.6	13.3	91° -	+9.6	+22.9	5875.6		BS	-65	-548		
	552				13.2	269° -	+9.6	+22.8			BS				
719	365		68° 45'	-	5.9	91° 10'	-7.4	-13.3		5862.3		+49	+362	1,380,958	197,073
720	35		61° 25'	-	6.7	91° 10'	-0.7	-7.4		5868.2		+9	+34	1,380,918	196,745
κ	0				5.1	-		-5.1		5870.5	κ	0	0	1,380,909	196,711
721	288		211° -	-	4.9	88° 40'	+6.7	+1.8		5877.4		-205	-202	1,380,704	196,509
TP	394		211° 06' 42"	-	8.0	88° 40'	+9.2	+1.2		5876.9	TP	-280	-277	1,380,629	196,434
TP	394				7.9	271° 20'	+9.2	+1.3			TP				
	495		76° 48' 39"	+13.6	1.4	-		+1.4	5878.3		BS	+4	-495		
	495				3.9	TH	-2.5	+1.4			BS				
722	261		76° -	-	11.9	-		-11.9		5866.4		+2	+261	1,380,635	196,200
κ	0				5.1	-		-5.1		5873.2	κ	0	0	1,380,633	195,939
723	100		312° 25'	-	6.7	87° 20'	+4.7	-2.0		5876.3		+83	-56	1,380,716	195,883
Bm	258		312° 30' 40"	-	2.6	87° 20'	+12.0	+9.4		5887.7	Bm	+214	-144	1,380,847	195,795

U.S.G.S. prsect# EL. 5888.0
y=1,380,850 x=195,825

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
1-14-86		B. Cotcamp		B. SALDIVAR		6834		B.S		1		64							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
ARIZONA		Camp wood-15'		ARIZ.		YAVAPAI								J. McCLELLAN					
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	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									5878.3										
TP	388		311° 05' 34"	+136	9.8	87° 28'	+17.1	+7.3		5885.6	TP	+316	-224	1,380.949	195.715				
TP	388		" " "		9.7	272° 32'	+17.1	+7.4		TP									
	438		133° 57' 24"	-	5.9	91° -	+7.6	+13.5	5899.1		BS	+370	-235						
	438		" " "		5.9	269° -	+7.6	+13.5		BS									
724	401		129° 30'	-	6.6	90° 50'	-5.8	-12.4		5886.7		-321	+241	1,380.998	195.721				
725	71		" " "	-	6.4	89° 50'	+0.2	-6.2		5892.9		-57	+43	1,381.262	195.523				
K	0		" " "		5.1	" " "		-5.1		5894.0	K	0	0	1,381.319	195.480				
726	254		279° 20'	-	5.1	74° 20'	+3.0	-2.1		5897.0		+99	-234	1,381.418	195.246				
727	587		277° 55' 45"	-	5.6	89° 40'	+3.4	-2.2	5896.9		TP	+215	-546	1,381.534	194.934				
727	587		" " "	-	5.5	270° 20'	+3.4	-2.1		TP									
	467		128° 27' 46"	+136	10.1	TH	-2.3	+7.8	5904.7		BS	+368	-287						
	467		" " "		10.0	TH	-2.3	+7.7		BS									
728	150		110° 30'	-	5.8	90° 30'	-1.3	-7.1		5897.6		-84	+124	1,381.819	194.771				
K	0		" " "	-	5.1	" " "		-5.1		5899.6	K	0	0	1,381.903	194.647				
729	181		272° 40'	-	6.0	88° -	+6.3	+0.3		5905.0		+51	-174	1,381.953	194.473				
730	510		269° 20'	-	6.0	89° -	+8.9	+2.9		5907.6		+114	-497	1,382.016	194.150				
731	836		267° 30'	-	4.8	89° 10'	+12.2	+7.4		5912.1		+161	-820	1,382.063	193.827				
TP	950		268° 33' 28"	-	6.9	89° 08'	+14.4	+7.5	5912.2		TP	+200	-929	1,382.102	193.718				
TP	950		" " "		6.8	270° 52'	+14.4	+7.6		TP									

Access sta.

VEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

U-445

DATE 1-14-86 INSTRUMENT MAN B. Cot camp ROD MAN B. SALDIVAR PARTY NUMBER 6834 NOTES CHECKED BY B.S. LINE NO. 1 PAGE 65

AREA ARIZONA TOPO MAP Camp wood-15 STATE ARIZ. COUNTY YAVAPAI TWP RANGE PPM PARTY MANAGER J. Mc CLELLAN

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	
										5912.2						
	439		117° 36' 38"	+13.6	+5.4	-		+5.4	5917.6		BS	+289	-330			
	439				+3.2	BH	+2.2	+5.4		BS						
732	228		113° 40'	-	5.7	-		-5.7	5911.9		X	-138	+181	1,382,253	193,569	
	X	0			5.1	-		-5.1	5912.5		X	0	0	1,382,391	193,388	
733	98		283° 40'	-	6.1	-		-6.1	5911.5			+45	-87	1,382,436	193,301	
734	409		297° 58'	-	0.5	-		-0.5	5917.1		TP	+271	-306	1,382,663	193,682	
734	409				0.4	270-		-0.4			TP					NO permit past cattle guard