

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
1-31-86		B. Cotcamp		B. SALDIVAR		6834		B.S		3	1						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
ARIZONA		BAROARD N.E - 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 X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
			U.S. GENERAL LAND OFFICE			1930	1.339.090	x-146.500		5045.0							
	660	658.4	327° 34' 52"	+13.5	+1.7	86° -	-46.0	-44.3	5000.6		BS	-623	+213				
	660				+1.6	274° -	-46.0	-44.4		BS							
1	412		341° -	-	6.5	89° 30'	+3.6	-2.9		4997.7		+410	-39	1338.877	146.674		
2	111		305° 05'	-	5.9	89° 30'	+1.0	-4.9		4995.7		+83	-73	1338.550	146.640		
K	0				5.1	-		-5.1		4995.5	K	0	0	1338.467	146.713		
3	325		228° 20'	+13.5	6.0	92° 40'	-15.1	-21.1		4979.5		-153	-287	1338.314	146.426		
4	618		216° 35'	-	6.2	91° 10'	-12.6	-18.8		4981.6		-397	-474	1338.070	146.239		
5	927		209° 30'	-	6.8	91° 20'	-21.6	-28.4		4972.2		-678	-632	1337.789	146.081		
6	1256		208° 10'	-	4.9	90° 48'	-17.5	-22.4		4978.2		-938	-835	1337.529	145.878		
7	1582		206° 14'	-	5.8	-		-5.8		4994.8		-1217	-1011	1337.950	145.702		
TP	1764		204° 10' 05"	-	10.1	TH	+8.8	-1.3		4999.3	TP	-1396	-1078	1337.071	145.635		
TP	1744/1764				10.0	TH 220°	+8.8	-1.2			TP						
	762	761.0	32° 30' 28"	+13.5	3.4	87° -	-39.9	-36.5	4962.7		BS	-529	-547				
	762				+3.3	273° -	-39.9	-36.6		BS							
8	618	617.4	31° 20'	-	4.9	87° 30'	+27.0	+22.1		4984.8		+438	+435	1336.980	145.523		
9	303		19° 30'	-	6.7	-		-6.7		4956.0		+254	+165	1336.796	145.253		
10	163		296° -	-	5.7	88° -	+5.7	-0.0		4962.7		+104	-126	1336.646	144.962		
K	0				5.1	-		-5.1		4957.6	K	0	0	1336.542	145.088		
11	286	284.5	217° -	-	4.3	95° 50'	-29.1	-33.4		4929.3		-181	-220	1336.361	144.868		
12	578	575.6	199° -	-	6.2	95° 14'	-52.7	-58.9		4903.8		-485	-309	1336.057	144.779		

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1-31-86		B. Cotcamp		B. SALDIVAR		6834		B.S			3		2		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		BAGDAD N.E. -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
									4962.7						
13	909	905.3	200° 05'	+13.5	5.2	95° 10'	-81.9	-87.1		4875.6		-754	-501	1,335,788	144,587
14	988	984.0	199° 55' 28"	-	4.5	95° 10'	-89.0	-93.5		4869.2		-821	-542	1,335,721	144,546
14	1238	1233.8	200° 55'	-	6.3	94° 44'	-109.2	-108.5		4854.2		-1018	-697	1,335,624	144,391
15	1565	1560.5	199° 55'	-	5.7	94° 20'	-118.3	-124.0		4838.7		-1303	-859	1,335,239	144,229
16	1742	1736.7	192° 13'	-	5.3	94° 28'	-135.7	-141.0		4821.7		-1565	-754	1,334,977	144,334
17	1839	1832.8	182° 05'	+13.5	5.3	94° 42'	-150.7	-156.0		4806.7		-1765	-492	1,334,777	144,596
18	2014	2006.7	173° 42'	-	4.9	94° 50'	-170.9	-175.8		4786.9		-1991	-252	1,334,551	144,836
19	2224	2215.5	166° 50'	-	4.1	95° -	-193.8	-197.9		4764.8		-2215	-13	1,334,327	145,075
20	2514	2503.8	163° 52' 32"	-	7.8	95° 10'	-226.4	-234.2			TP	-2501	+115	1,334,041	145,203
20	2514				7.9	264° 50'	-226.4	-234.3		4728.4	TP				
	1253	1250.0	343° 21' 14"	+13.7	1.9	86° -	-87.4	-85.5			BS	-1248	+64		
	1253				1.8	274° -	-87.4	-85.6	4642.8		BS				
21	1070	1067.2	333° 50'	-	5.3	85° 50'	+77.7	+72.4		4715.2		+1042	-230	1,333,835	145,037
22	762	760.4	328° 15'	-	5.4	86° 16'	+49.10	+44.2		4687.0		+723	-236	1,333,516	145,031
23	583	582.4	304° 52'	-	5.7	87° 22'	+26.8	+21.1		4663.9		+437	-385	1,333,230	144,882
24	526	525.0	274° 32'	-	14.6	86° 25'	+32.9	+18.3		4661.1		+164	-499	1,332,957	144,768
25	273	272.1	245° 20'	-	5.9	85° 20'	+22.2	+16.3		4659.1		-52	-267	1,332,741	145,000
TP	0				5.1	-		-5.1		4637.7	TP	0	0	1,332,793	145,267
26	405		192° 50'	+13.7	6.3	88° 46'	+8.7	+2.4		4645.2		-362	-181	1,332,431	145,086
TP	508		189° 07' 20"	-	14.6	88° 50'	+10.3	-4.3		4638.5	TP	-468	-197	1,332,325	145,070

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DATE 1-31-86	INSTRUMENT MAN B. Cotamp	ROD MAN B. SALDIVAR	PARTY NUMBER 6834	NOTES CHECKED BY B.S	LINE NO. 3	PAGE 3
AREA ARIZONA	TOPO MAP BAGDAD N.E. - 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 TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
										4638.5				
	548	544.5	309° 27' 48"	+13.7	5.9	83° 30'	-62.0	-56.1	4582.4		BS	-436	+326	
	548				5.8	276° 30'	-62.0	-56.2		BS				
27	453	450.8	287° -	-	5.6	84° 20'	+44.7	+39.1		4621.5		+230	-388	1,332,119 145,008
28	373		241° 08'	-	5.6	87° 40'	+15.2	+9.6		4592.0		-98	-360	1,331,791 145,036
π	0				5.1	-		-5.1		4577.3	π	0	0	1,331,889 145,396 OFFLINE
29	501		201° 10'	+13.7	5.0	91° 18'	-11.4	-16.4		4566.0		-411	-286	1,331,478 145,110
30	439	437.5	162° 40'	-	5.2	94° 40'	-35.7	-40.9		4541.5		-437	+28	1,331,452 145,424
31	576	572.8	128° 15'	-	5.3	96° -	-60.2	-65.5		4516.9		-451	+353	1,331,438 145,749
32	887	882.6	120° 35'	-	4.8	95° 44'	-88.6	-93.4		4489.0		-616	+632	1,331,273 146,028
TP	975	970.2	120° 57' 55"	-	5.8	95° 40'	-96.3	-102.1		4486.3	TP	-682	+690	1,331,207 146,086
TP	975				5.7	264° 20'	-96.3	-102.0			TP			
	251		349° 11' 57"	+13.7	3.0	87° -	-13.1	-10.1			BS	-250	-13	
	251				2.9	273° -	-13.1	-10.2		4470.1	BS			
33	0			-	5.1	-		-5.1		4465.0	π	0	0	1,330,957 146,073
Bm	249 1637	1623.6	123° 36' 22"	-	8.6	97° 20'	-208.9	-217.5		4252.6	Bm	-1193	+1101	1,329,764 147,174
TP	249		202° 03' 54"	-	5.1	94° -	-17.4	-22.5		4447.6	TP	-202	-145	1,330,755 145,928
TP	249				5.0	266° -	-17.4	-22.4			TP			
	747	744.3	53° 31' 04"	-	10.6	85° 10'	-62.9	-52.3		4395.3	BS	-288	-686	
	747				10.5	274° 50'	-62.9	-52.4			BS			

ACROSS FLAG
 1,329,715 X 147,174 +30
 U.S.G.S. Bm. E.C. 4253

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-31-86		B. Gotcamp		B. SALDIVAR		6834		B.S		3		4			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		BAGDAD - 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
									4395.3						
34	657	655.1	52° 45'	+13.7	5.1	85° 40'	+49.6	+44.5		4439.8		+ 262	+601	1,330,129	145.843
35	329	328.1	50° 45'	-	6.6	85° 40'	+24.9	+18.3		4413.6		+ 142	+296	1,330,609	145.538
36	0			-	5.1	-	-	-5.1		4390.2	X	0	0	1,330,467	145.242
37	330		232° 45'	-	5.6	93° 30'	-20.1	-25.7		4369.6		- 132	-303	1,330,335	144.939 ³⁸
38	354	351.2	192° 45'	-	6.3	97° 12'	-44.4	-50.7		4344.6		- 314	-156	1,330,153	145.086
39	533	529.2	158° 15'	-	5.3	96° 50'	-63.4	-68.7		4326.6		-524	+74	1,329,943	145.316
40	857	852.8	156° 40'	-	6.4	95° 40'	-84.6	-91.0		4304.3		- 841	+143	1,329,626	145.385
41	1170	1164.9	162° 25'	+13.7	5.0	95° 20'	-108.8	-113.8		4281.5		- 1162	+79	1,329,305	145.321
42	1480	1474.4	167° 50'	-	5.3	95° -	-129.0	-134.3		4261.0		- 1474	-39	1,328,993	145.203
43	1733	1727.0	175° 25'	-	5.9	94° 46'	-144.0	-149.9		4245.4		- 1705	-274	1,328,762	144.968
44	2048	2041.6	176° 53'	-	5.6	94° 32'	-161.9	-167.5		4227.8		- 2007	-375	1,328,460	144.867
45	2378	2371.8	177° 44'	-	5.6	94° 08'	-171.4	-177.0		4218.3		- 2325	-470	1,328,142	144.772
46	2704	2697.8	177° 50'	-	6.3	93° 52'	-182.3	-188.6		4206.7		- 2643	-539	1,327,824	144.703
TP	2785	2779.1	177° 40'	-	8.7	93° 44'	-181.3	-190.0		4205.3	TP	- 2724	-548	1,327,743	144.694
TP	2785			-	8.6	266° 16'	-181.3	-189.9			TP				
	746		24° 49' 45"	+14.2	4.6	88° 20'	-21.7	-17.1	4188.2		BS	-579	-470		
	746				4.6	271° 40'	-21.7	-17.1			BS	-2			
47	491		24° 10'	-	6.3	88° 20'	+14.3	+8.0		4196.2		+ 385	+305	1,327,542	144.529
48	167		17° 30'	-	6.4	88° 30'	+4.4	-2.0		4186.2		+ 142	+88	1,327,304	144.312
X	0			-	5.1	-	-	-5.1		4183.1	X	0	0	1,327,162	144.224

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DATE	1-31-86	INSTRUMENT MAN	B. Cotamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	3	PAGE	5	
AREA	ARIZONA	TOPO MAP	BAGDAD N.E. 7 1/2'	STATE	ARIZ.	COUNTY	YAVAPI	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				
									4188.2										
49	162		185 55'	+14.2	5.1	90°30'	-1.4	-6.5		4181.7		-152	-56	1,327,010	144,168				
TP	391		181 56 12	--	11.0	90°30'	-3.4	-14.4		4173.8	TP	-376	-109	1,326,784	144,115				1,326,800 x 144,050
TP	391				4.2	91°30'	-10.2	-14.4			TP	-2							K T - Enter.
	392		332 54 46	+14.7	14.7	84	+2.0	+16.7	4190.5		BS	-383	+84						
	392				9.8	91 -	+6.8	+16.6			BS	-2							
50	298		331 -	-	6.2	93 -	-15.6	-21.8		4168.17		+289	-74	1,326,888	144,125				
K	0				5.1	-		-5.1		4185.4	K	0	0	1,326,399	144,199				
51	54		232 21	-	4.6	88 50	+1.1	-3.5		4187.0		-21	-50	1,326,378	144,149				
52	384		- -	-	6.7	88 50	+7.8	+1.1		4191.6		-150	-354	1,326,249	143,845				
53	714		- -	-	6.3	89 16	+9.1	+2.8		4193.3		-278	-657	1,326,121	143,542				
54	1043		- -	-	5.2	89 04	+17.0	+11.8		4202.3		-407	-960	1,325,992	143,239				
55	1370		231 55	-	9.2	89 16	+17.5	+8.3		4198.8		-544	-1257	1,325,855	142,942				
TP	1408		231 51 08	-	7.8	89 16	+18.0	+10.2		4200.7	TP	-560	-1292	1,325,837	142,707				
TP	1408				7.7	270 44	+18.0	+10.3			TP	-2							
	406	405.4	22 46 15	+15.2	7.0	93 -	+21.2	+28.2	4228.9		BS	-320	-249						
	406				7.0	267 -	+21.2	+28.2			BS	-2							
56	112		14 20	-	5.6	95 -	-9.8	-15.4		4213.5		+97	+55	1,325,612	142,713				
K	0				5.1	-		-5.1		4223.8	K	0	0	1,325,515	142,658				
57	216		190 10	-	5.0	88 -	+7.5	+2.5		4231.4		-195	-93	1,325,320	142,565				
58	545		189 25	-	5.7	88 10	+17.4	+11.7		4240.6		-495	-227	1,325,020	142,431				

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DATE	2-3-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	3	PAGE	6	
AREA	ARIZONA	TOPO MAP	BAGDAD N.E. - 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	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									4228.9					
59	863	862.3	186° 40'	+15.2	5.2	87° 40'	+35.1	+29.9		4258.8		-800	-321	1,324,715 142,337
TP	877	875.9	185° 16' 26"	-	12.3	87° 10'	+43.4	+31.1		4260.0	TP	-821	-306	1,324,692 142,352
TP	877				12.2	272° 50'	+43.4	+31.2			TP	-2		
	1392	1386.7	3° 55' 52"	-	+12.9	95° -	+121.3	+134.2	4394.2		BS	-1310	-454	
	1392				+12.8	265° -	+121.3	+134.1			BS	-2		
60	1092	1086.7	4° 55'	-	5.9	95° 46'	-107.8	-113.7		4280.5		+1020	+374	1,324,400 142,272
61	795	790.6	10° -	+15.2	6.3	96° -	-83.1	-89.4		4304.8		+715	+337	1,324,095 142,235
62	574	571.0	31° -	-	5.6	95° 50'	-58.3	-63.9		4330.3		+395	+412	1,323,775 142,310
63	306	303.5	50° 46'	-	5.0	97° 20'	-39.1	-44.1		4350.1		+124	+277	1,323,504 142,175
64	124	123.3	135° 12'	-	5.8	96° 14'	-13.5	-19.3		4374.9		-107	+61	1,323,213 141,959
π	0				5.1	-		-5.1		4389.1	π	0	0	1,323,386 141,898
65	283		214° 45'	+15.2	4.5	89° 50'	+0.8	-3.7		4390.5		-182	-217	1,323,198 141,681
66	575	574.4	216° 20'	-	4.4	87° 20'	+26.8	+22.4		4416.6		-357	-450	1,323,023 141,448
67	831	829.7	233° 55'	-	5.6	86° 50'	+45.9	+40.3		4434.5		-296	-775	1,323,084 141,123
68	1096	1093.8	245° 10'	-	5.5	86° 20'	+70.1	+64.6		4458.8		-183	-1078	1,323,197 140,820
69	1385	1382.4	252° 35' 59"	-	7.6	86° 30'	+84.6	+77.0		4471.2	TP	-53	-1381	1,323,325 140,517
69	1385				7.5	273° 30'	+84.6	+77.1			TP	-2		
	1225	1223.4	59° 53' 05"	-	+20.7	87° 04'	-62.7	-42.0	4429.2		BS	-315	-1182	
	1225				+20.6	272° 56'	-62.7	-42.1			BS	-2	+2	

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DATE	2-3-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	3	PAGE	7	
AREA	ARIZONA	TOPO MAP	BAGDAD N.E. - 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				
									4429.2										
70	902		63° 05'	+15.2	6.4	87° 30'	+39.3	+32.9		4462.1		+183	+883	1323,191	140,220				
71	572		65° 35'	-	6.4	88° 40'	+13.3	+6.9		4436.1		+92	+565	1323,100	139,902				
72	249		72° 35'	-	5.2	88° 30'	+6.5	+1.3		4430.5		+10	+249	1323,018	139,586				
π	0				5.1	-		-5.1		4424.1	π	0	0	1,323,008	139,337				
73	122	120.9	165° 35'	+15.2	5.3	91° 40'	-16.3	-21.6		4407.6		-121	-2	1322,887	139,335				
74	446	443.7	178° 35'	-	3.7	95° 50'	-45.3	-49.0		4380.2		-431	-106	1322,577	139,231				
75	657	654.2	177° 50'	-	4.3	95° 20'	-61.1	-65.4		4363.8		-637	-148	1323,71	139,189				
76	842	838.7	198° 57'	-	4.4	95° 04'	-74.4	-78.8		4350.4		-694	-471	1323,14	138,866				
77	1159	1157.1	203° 52'	-	5.0	93° 16'	-66.0	-71.0		4358.2		-898	-729	1322,110	138,608				
78	1487	1485.7	205° 12'	+15.2	6.5	92° 22'	-61.4	-67.9		4361.3		-1131	-963	1321,877	138,374				
79	1817	1815.8	-	-	6.4	92° 04'	-65.5	-71.9		4357.3		-1383	-1177	1321,625	138,160				
80	2147	2146.4	205° 15'	-	6.1	91° 24'	-52.5	-58.6		4370.6		-1633	-1393	1321,375	137,944				
81	2474		205° 33'	-	6.6	91° 04'	-46.1	-52.7		4376.5		-1874	-1615	1321,134	137,722				
82	2792		207° 23' 54"	-	10.5	91° -	-48.7	-59.2		4370.0	TP	-2055	-1889	1320,951	137,450				
82	2792				10.4	269° -	-48.7	-59.1			TP	-2	+2					BAGDAD N.E. - 7 1/2' ↑	
	2962		43° 10' 33"	+15.2	1.4	-		+1.4			BS	-1553	-2522					BAGDAD S.E. - 7 1/2' ↓	
	2962				1.1	270° -		+1.1			BS	-2	+2						
83	2737		42° 45' 27"	-	10.0	-		-10.0		4361.2		+1452	+2320	1,320,848	137,250			y=1320,820 x=137,170	
83	2636		42° 10'	-	5.8	90° 08'	-6.1	-11.9		4359.3		+1421	+2220	1320,817	137,150				
84	2307		41° 40'	-	6.3	90° 26'	-17.4	-23.7		4347.5		+1261	+1932	1320,657	136,862				

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
2-3-86		B. Cotcamp		B. SALDIVAR		6834		B.S		3	8			
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
ARIZONA		BAGDAD S.W. -7 1/2'		AZ.	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.	
									4371.2					
85	1978		41° 08'	+15.2	6.4	90° 46'	-26.5	-32.9		4338.3		+ 1097	+1646	1320,493 136,576
86	1649		40° 39'	-	6.4	91° 06'	-31.7	-38.1		4333.1		+ 926	+1365	1320,322 136,295
87	1320		40° 10'	-	6.4	91° 12'	-27.6	-34.0		4337.2		+ 750	+1086	1320,146 136,016
88	990		39° 25'	-	6.3	91° 16'	-21.9	-28.2		4343.0		+ 573	+807	1319,969 135,737
89	660		39° 10'	-	5.4	91° -	-11.5	-16.9		4354.3		+ 385	+536	1319,781 135,466
90	330			-	5.9	90° 30'	-2.9	-8.8		4362.4		+ 192	+268	1319,588 135,198
91	0				5.1	-		-5.1		4366.1	Λ	0	0	1319,396 134,930
92	330		217° 10'	+15.2	5.8	91° 30'	-8.6	-14.4		4356.8		-201	-261	1319,195 134,669
93	660		-	-	5.8	91° 10'	-13.4	-19.2		4352.0		-403	-523	1318,993 134,407
94	990		-	-	5.7	91° -	-17.3	-23.0		4348.2		-605	-784	1318,791 134,146
95	1320		216° 50'	-	4.1	91° -	-23.0	-27.1		4344.1		-812	-1041	1318,584 133,889
96	1649		216° 10'	-	4.5	91° -	-28.8	-33.3		4337.9		-1030	-1288	1318,366 133,642
97	1978		216° 30'	-	5.6	90° 54'	-31.1	-36.7		4334.5		-1226	-1552	1318,170 133,378
98	2308		216° 35'	+15.2	5.0	90° 40'	-26.7	-31.7		4339.5		-1428	-1813	1317,968 133,117
99	2626		218° 10'	-	5.3	90° 16'	-12.2	-17.5		4353.7		-1567	-2107	1317,829 132,823
100	2946		219° 48'	-	5.1	90° 10'	-8.6	-13.7		4357.5		-1690	-2413	1317,706 132,517
101	3273		220° 30'	-	5.5	90° 06'	-5.7	-11.2		4360.0		-1844	-2704	1317,552 132,226
102	3602		220° 15'	-	5.3	89° 56'	+4.2	-1.1		4370.1		-2043	-2967	1317,353 131,963
103	3932		220° 05'	-	5.7	89° 44'	+18.3	+12.6		4383.8		-2239	-3232	1317,157 131,698
104	4252		219° 23'	-	5.2	89° 26'	+42.1	+36.9		4408.1		-2464	-3465	1316,932 131,465

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 2-28-86	INSTRUMENT MAN B. Cotcamp	ROD MAN B. SALDIVAR	PARTY NUMBER 6834	NOTES CHECKED BY B.S	LINE NO. 3	PAGE 9
AREA ARIZONA	TOPO MAP BAGDAD S.W. - 7 1/2'	STATE ARIZ.	COUNTY YAVAPI	TWP	RANGE	PPM
				PARTY MANAGER J. M c 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	
									4371.2							
TP 104	4308		218 43 47	+15.2	8.7	89 20	+50.1	+41.4		4412.6		-2536	-3482	1,316,860	131,448	1,316,850 x 131,470 y-inter
TP	4376		215 40 15	-	14.7	89 06 24	+68.2	+53.5	+53.6	4424.8	TP	-2761	-3394	1,316,633	131,538	
TP	4376				14.4	270 53 30	+68.2	+53.8			TP	-2	+2			
	1986	1980.8	354 48 16	+15.2	4.6	85 52	-143.1	-138.5	4286.3		BS	-1951	-344			
	1986				4.5	274 08	-143.1	-138.6			BS	-2	+2			
105	2027	2022.5	356 55	-	6.0	86 12	+134.3	+128.3		4414.6		+1977	+425	1,316,657	131,621	
106	1719	1716.0	353 40	-	6.3	86 36	+101.9	+95.6		4381.9		+1695	+265	1,316,375	131,461	
107	1393	1391.1	351 55	-	6.3	86 58	+73.7	+67.4		4353.7		+1380	+172	1,316,060	131,368	
108	1083	1081.7	347 -	-	6.6	87 12	+52.9	+46.3		4332.6		+1081	+42	1,315,761	131,238	
109	777	776.2	340 30	-	5.6	87 20	+36.2	+30.6		4316.9		+774	-58	1,315,454	131,138	
110	447		339 30	-	5.2	87 20	+20.8	+15.6		4301.9		+445	-41	1,315,125	131,155	
111	119		344 50	-	6.0	88 20	+3.5	-2.5		4283.8		+119	±0	1,314,799	131,196	
π	0				5.1	-		-5.1		4281.2	π	0	0	1,314,680	131,196	
112	226		211 45	+15.2	5.1	90 20	-1.3	-6.4		4279.9		-154	-165	1,314,526	131,031	
113	526		204 32	-	6.4	90 30	-4.6	-11.0		4275.3		-405	-336	1,314,275	130,860	
π	532		199 43 20	-	6.0	91 -	-9.3	-15.3		4271.0	π	-436	-305	1,314,244	130,891	1,314,300 x 130,825 y-inter
114	663	662.0	176 12	-	5.8	90 30	-36.2	-42.0		4244.3		-649	-131	1,314,031	131,065	
115	887	884.3	161 -	-	5.7	94 30	-69.6	-75.3		4211.0		-882	+59	1,313,798	131,255	
116	1217	1213.0	160 40	-	5.7	94 40	-97.0	-104.7		4181.6		-1210	+87	1,313,470	131,283	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2-3-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S.	LINE NO.	3	PAGE	10	
AREA	ARIZONA	TOPO MAP	BAGDAD S.W.-7 1/2	STATE	ARIZ.	COUNTY	YAVAPAI	TWP		RANGE		PPM	PARTY MANAGER	J. Mc CLELLAN

STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
									4286.3									
TP	1363	1358.5	160 15' 14"	+15.2	7.0	94 40	-110.9	-117.9		4168.4	TP	-1354	+108	1,313,324	131,306			
TP	1363				6.9	265 20	-110.9	-117.8			TP	-2	+2					
	482	481.3	2 58 39	-	+6.4	87 -	-25.2	-18.8	4149.6		BS	-457	-150					
	482				+6.3	273 -	-25.2	-18.9			BS	-2	+2					
117	297		7 -	-	5.2	88 40	+6.9	+1.7		4151.3		+275	+112	1,313,140	131,270			
π	0				5.1	-		-5.1		4144.5	π	0	0	1,312,865	131,158			
118	58		251 10	-	5.1	91 -	-1.0	-6.1		4143.5		-4	-58	1,312,861	131,100			
119	377		215 -	-	4.3	90 50	-5.5	-9.8		4139.8		-241	-290	1,312,624	130,868			
#1	607		212 44 16	+15.2	4.7	90 50	-8.8	-13.5		4136.1	#1	-407	-451	1,312,458	130,707	#1	Y=1,312,470 X=130,630 T-INTG.	
120	706		213 40	-	5.3	90 50	-10.3	-15.6		4134.0		-464	-532	1,312,401	130,624			
121	1036		213 05	-	6.1	90 50	-15.1	-21.2		4128.4		-689	-773	1,312,176	130,385			
TP	1281		213 55 34	-	4.6	90 50	-18.6	-23.2		4126.4	TP	-838	-969	1,312,025	130,191			
TP	1281				4.5	269 10	-18.6	-23.1			TP	-2	+2					
	2179	2178.3	52 22 42	+15.2	5.3	88 30	-57.0	-51.7			BS	-831	-2014					
	2179				+5.0	271 30	-57.0	-52.0	-51.83	4074.6	BS	-2	+2					
122	2089		51 38	-	5.6	88 28	+55.9	+50.3		4124.9		+822	+1921	1,312,014	130,100			
123	1761		50 46	-	4.8	88 22	+50.2	+45.4		4120.0		+717	+1608	1,311,909	129,787			
124	1433		49 12	-	4.9	88 30	+37.5	+32.6		4107.2		+619	+1292	1,311,811	129,471			
125	1166		47 37	-	2.1	89 -	+19.3	+17.2		4091.8		+505	+984	1,311,697	129,163			
126	781		43 50	-	5.6	89 26	+7.7	+2.1		4076.7		+402	+670	1,311,594	128,849			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
2-3-86		B. Gt Camp		B. SALDIVAR		6834		B.S		3		11							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
ARIZONA		BAGDAD S.W. - 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				
									4074.6										
127	466		34 28	+15.2	5.7	90 06	-0.8	-6.5		4068.1		+ 302	+355	1,311,494	128.534				
128	163		10 05	-	4.2	90 30	-1.4	-5.6		4069.0		+ 147	+ 70	1,311,339	128.249				
π	0				5.1	-		-5.1		4069.5	π	0	0	1,311,192	128.179				
129	203		244 10	-	5.9	90 30	-1.8	-7.7		4066.9		- 37	-200	1,311,155	127.979				
130	515		228 40	-	6.0	90 30	-4.5	-10.5		4064.1		- 227	-462	1,310,965	127.717				
131	831		220 30	-	5.6	90 46	-11.1	-16.7		4057.9		- 468	-686	1,310,724	127.493				
132	1161		219 44	-	4.6	91 -	-20.3	-24.9		4049.7		- 667	-950	1,310,525	127.229				
133	1491		219 40 35	-	6.3	91 =	-26.0	-32.3		4042.3	TP	-858	-1219	1,310,332	126.962	across sta.			
133	1491				6.2	269 -	-26.0	-32.2			TP	-2	+2						
	1050		23 33 28	+14.6	6.4	88 30	-27.5	-21.1	4021.2		BS	-825	-649						
	1050				6.3	271 30	-27.5	-21.2			BS	-2	+2						
134	797		10 05	--	5.2	88 30	+20.9	+15.7		4036.9		+ 724	+333	1,310,229	126.648				
135	480		2 10	--	4.6	88 30	+12.6	+8.0		4029.2		+ 460	+138	1,309,965	126.453				
136	151		357 35	-	5.3	91 30	-4.0	-9.3		4011.9		+ 148	+32	1,309,653	126.347				
π	0				5.1	-		-5.1		4016.1	π	0	0	1,309,505	126.315				
137	212	211.0	234 35	+14.6	5.9	95 30	-20.3	-26.2		3995.0		- 75	-197	1,309,430	126.118				
138	536	534.0	226 30	-	5.8	95 -	-46.7	-52.5		3968.7		- 258	-468	1,309,247	125.847				
139	843	839.8	215 55	-	5.1	95 -	-73.5	-78.6		3942.6		- 534	-648	1,308,971	125.667				
140	1172	1168.8	215 -	-	6.0	94 14	-86.5	-92.5		3928.7		- 758	- 890	1,308,741	125.425				
IF	1331	1327.8	214 16 20	-	5.2	94 -	-92.8	-98.0		3923.2	IF	-873	-1000	1,308,632	125.315				Y=1,308,605 X=125,305 IF - 21

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE	2-3-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	3	PAGE	12	
AREA	ARIZONA	TOPO MAP	BAGDAD S.W -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	
									4021.2							
141	1496	1492.4	213 35	+14.6	4.2	94 -	-104.4	-108.6		3912.6		-995	-1112	1308,510	125,203	
142	1791	1787.7	208 27 07	+14.3	8.0	93 30	-109.3	-117.3		3903.9	TP	-1313	-1214	1,308,190	125,103	
142	1791				7.9	266 30	-109.3	-117.2			TP	-2	+2			
	1549		359 24 19	-	+10.2	91 -	+27.0	+37.2	3941.1		BS	-1505	-367			
	1549			-	+10.1	269 -	+27.0	+37.1			BS	-2	+2			
143	1220		358 25	-	6.3	91 42	-36.2	-42.5		3898.6		+1190	+269	1307,873	125,007	
144	891	890.0	356 20	-	5.0	92 46	-43.0	-48.0		3893.1		+875	+164	1307,558	124,902	
145	564	562.6	354 05	-	6.5	94 -	-39.3	-45.8		3895.3		+557	+82	1,307,240	124,820	
146	253	251.7	11 23	-	6.8	95 44	-25.3	-32.1		3909.0		+227	+109	1,306,910	124,847	
Σ	0				5.1	-		-5.1		3936.0	Σ	0	0	1,306,683	124,738	
147	135		119 22	+14.3	14.1	92 14	-5.3	-19.4		3921.7		-93	+98	1,306,590	124,836	
Σ	337		173 14 24	-	12.8	90 20	-2.0	-14.8		3926.3	Σ	-334	-44	1,306,349	124,694	Σ y = 1,306,310 x = 124,605 Σ T = Inter.
148	363		181 45	-	6.4	91 40	-10.6	-17.0		3924.1		-349	-100	1,306,334	124,638	
149	641		202 45	-	6.5	91 40	-18.6	-25.1		3916.6		-512	-386	1,306,171	124,352	
150	965		206 35	-	5.5	91 30	-25.3	-30.8		3910.3		-730	-632	1,305,953	124,106	
151	1270		203 42	-	6.2	91 04	-23.6	-29.8		3911.3		-1001	-782	1,305,682	123,956	
TP	1546		200 20 20	-	11.9	90 40	-18.0	-29.9		3911.2	TP	-1272	-879	1,305,409	123,861	
TP	1546			-	11.8	269 20	-18.0	-29.8			TP	-2	+2			
	3695	3692.8	27 30 18	-	+3.2	88 -	-129.0	-125.8	3785.4		BS	-2753	-2462			
	3695			-	+3.1	272 -	-129.0	-125.9			BS	-2	+2			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2-3-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	3	PAGE	13	
AREA	ARIZONA	TOPO MAP	BAGDAD S.W. - 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				
									3785.4										
152	3626	3623.8	27° 24'	+14.3	2.7	88° -	+126.5	+123.8		3909.2		+ 2706	+2411	1,305,360	123,812				
15	3466	3463.9	28° 04' 18"	-	3.5	88° -	+121.0	+117.5		3902.9	15	+ 2559	+2334	1,305,213	123,735			y = 1,305,210 x = 123,700 T-Justensed EL. 3903.0	
153	3297	3295.0	27° 39'	-	6.6	88° -	+115.1	+108.5		3893.9		+ 2451	+2203	1,305,105	123,604				
154	2970	2968.3	27° 18'	-	7.1	88° 04'	+100.2	+93.1		3878.5		+ 2220	+1971	1,304,874	123,372				
155	2640	2638.6	26° 56'	-	6.3	88° 06'	+87.5	+81.2		3866.6		+ 1984	+1739	1,304,638	123,140				
156	2310	2309.0	-	-	4.8	88° 21'	+66.5	+61.7		3847.1		+ 1736	+1522	1,304,390	122,923				
157	1980		-	-	6.5	88° 52'	+39.2	+32.7		3818.1		+ 1489	+1305	1,304,143	122,706				
158	1650		26° 56'	+14.3	6.0	89° 32'	+13.4	+7.4		3792.8		+ 1241	+1088	1,303,895	122,489				
159	1320		-	-	5.9	89° 56'	+1.5	-4.4		3781.0		+ 993	+870	1,303,647	122,271				
160	990		-	-	5.4	90° 20'	-5.8	-11.2		3774.2		+ 745	+653	1,303,399	122,054				
161	660		-	-	6.2	90° 50'	-9.6	-15.8		3769.16		+ 496	+435	1,303,150	121,836				
162	330		-	-	6.4	91° 12'	-6.9	-13.3		3772.1		+ 248	+218	1,302,902	121,619				
163	0				5.1	-		-5.1		3780.3	TP	0	0	1,302,654	121,401				
164	330		222° 20'	+14.3	4.4	93° -	-17.3	-21.7		3763.7		- 182	-276	1,302,472	121,125				
165	660		-	-	5.3	93° -	-34.5	-39.8		3745.6		- 363	-551	1,302,291	120,850				
166	990		-	-	5.7	92° 10'	-37.4	-43.1		3742.3		- 545	-827	1,302,109	120,574				
15	1185		221° 04' 51"	-	5.5	91° 34'	-32.4	-37.9		3747.5	15	-673	-975	1,301,981	120,426			IL 3-1,301,970 x = 120,420 TP 4 way	
TP	1304		194° 57' 43"	-	7.7	90° 40'	-15.2	-22.9		3762.5	TP	-1138	-637	1,301,514	120,766			NOTE * 1600' OFFSET.	
TP	1304				7.6	269° 20'	-15.2	-22.8			TP	-2	+2					South sta. 166-167	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2-3-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	3	PAGE	14	
AREA	ARIZONA	TOPO MAP	BAGDAD S.W. 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	
										3762.5						
	1082	1081.3	312 11 42	+14.3	10.5	88 -	-37.8	-27.3			BS	-902	+597			
	1082				10.4	272 -	-37.8	-27.4	3735.1		BS	-2	+2			
π	0				5.1	-		-5.1		3730.0	π	0	0	1,300,610	121,365	
π	76		248 39 48	-	6.2	94 10	-5.5	-11.7		3723.4	π	-10	-75	1,300,606	121,290	π T-Inter. Horiz. -50 Corr. X = +35
167	209		257 16	-	6.0	90 20	-1.2	-7.2		3727.9		+6	-209	1,300,616	121,156	
168	539		- -	+14.3	5.8	89 20	+6.3	+0.5		3735.6		+15	-539	1,300,625	120,826	
169	869		- -	-	6.4	89 -	+15.2	+8.8		3743.9		+24	-869	1,300,634	120,496	
170	1199		257 11	-	3.8	88 20	+34.9	+31.1		3766.2		+31	-1199	1,300,641	120,166	
171	1498	1497.2	255 37	-	5.4	88 06	+49.7	+44.3		3779.4		-2	-1497	1,300,608	119,868	
172	1808	1806.5	252 35	+14.3	5.9	87 38	+74.7	+68.8		3803.9		-98	-1804	1,300,512	119,561	
173	2141	2138.6	252 04	-	6.2	87 16	+102.1	+95.9		3831.0		-136	-2134	1,300,474	119,231	
174	2448	2444.7	250 22 30	-	6.7	87 -	+128.1	+121.4		3856.5		-227	-2434	1,300,383	118,931	
175	2745	2741.1	247 18	-	5.4	86 56	+146.9	+141.5		3876.6		-400	-2712	1,300,210	118,653	
176	3061	3056.6	245 21 18	+14.1	11.1	86 56	+163.8	+152.7		3887.8	TP	-559	-3065	1,300,049	118,358	
176	3061				11.0	273 04	+163.8	+152.8			TP	-2	-2			
	1309	1308.2	33 46 09	+14.1	5.0	92 -	+45.7	+50.7			BS	-878	-970			
	1309				4.9	268 -	+45.7	+50.6	3938.4		BS	-2	-2			
177	985		36 05	-	4.7	91 48	-30.9	-35.6		3902.8		+631	+757	1,299,800	118,143	
178	678		44 11	-	4.7	91 04	-12.6	-17.3		3921.1		+356	+577	1,299,525	117,963	
179	453		69 10	-	6.3	91 30	-11.9	-18.2		3920.2		+53	+450	1,299,222	117,836	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2- -86		B. Cotcamp		B. SALDIVAR		6834		B.S		3		15			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		BAGDAD S.W. 7k		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 -	EAST + WEST -		Y
									3938.4						
180	132		58 50	+14.1	4.7	91 30	-3.5	-8.2		3930.2		+39	+126	1,299,208	117.512
TP	0				5.1	-		-5.1		3933.3	TP	0	0	1,299,169	117.386
181	203		257 50	-	6.0	92 30	-8.9	-14.9		3923.5		+7	-203	1,299,176	117.183
182	528		249 20	-	6.5	91 30	-13.8	-20.3		3918.1		-60	-525	1,299,109	116.861
183	855		252 15	-	6.0	91 18	-19.4	-25.4		3913.0		-54	-853	1,299,115	116.533
184	1183		253 36	-	11.3	91 -	-20.6	-31.9		3906.5		-47	-1182	1,299,122	116.204
185	1469		246 55	-	4.2	90 50	-21.4	-25.6		3912.8		-229	-1451	1,298,940	115.935
IF	1532		243 13 55	-	9.7	90 30	-13.4	-23.1		3915.3	IF	-336	-1495	1,298,833	115.891
TP	1490		241 27 48	+14.5	6.5	90 20	-8.7	-15.2			TP	-361	-1445	1,298,806	115.939
TP	1490				6.6	269 40	-8.7	-15.3		3923.1	TP	-2	-2		
	2940	2938.5	2 07 44	-	+10.2	88 10	-94.1	-83.9	3839.2		BS	-2816	-841		
	2940				+10.3	271 50	-94.1	-83.8			BS	-2	-2		
186	2746	2745.1	1 14	-	6.7	88 32	+70.3	+63.6		3902.8		+2642	+744	1,298,630	115.840
187	2418		1 25	-	6.6	88 52	+47.8	+41.2		3880.4		+2325	+663	1,298,313	115.759
188	2101		359 04	-	5.6	89 04	+34.2	+28.6		3867.8		+2042	+493	1,298,030	115.589
189	1775		358 20	-	5.6	89 24	+18.6	+13.0		3852.2		+1731	+394	1,297,719	115.490
190	1454		355 44	+14.5	5.3	89 20	+16.9	+11.6		3850.8		+1431	+258	1,297,419	115.354
191	1194		347 -	-	5.7	89 14	+16.0	+10.3		3849.5		+1194	+31	1,297,182	115.127
192	897		340 40	-	4.8	-		-4.8		3834.4		+894	-76	1,296,882	115.020
193	633		327 -	-	6.0	91 34	-17.3	-23.3		3815.9		+600	-201	1,296,588	114.895

1,298,800 x = 115,865
IF y = 2062

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
2-1-86		B. Cotcamp		B. SALDIVAR		6834		B.S		3		16							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
ARIZONA		BAGDAD S.W. -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	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									3839.2										
194	369		302 50	+14.5	5.4	91 16	-8.2	-13.6		3825.6		+271	-250	1,294,259	114,846				
TP	0				5.1	-		-5.1		3834.1	TP	0	0	1,295,988	115,096				
195	253		243 10	-	5.4	93 -	-13.2	-18.6		3820.6		-54	-247	1,295,934	114,849				
196	547		225 15	-	5.5	-		-5.5		3833.7		-276	-473	1,295,712	114,623				
197	856		222 40	-	3.7	-		-3.7		3835.5		-464	-719	1,295,524	114,377				
198	1136		212 46	-	6.2	89 16	+14.5	+8.3		3847.5		-771	-834	1,295,217	114,262				
199	1452		209 50	+14.5	5.1	88 48	+30.4	+25.3		3864.5		-1039	-1015	1,294,949	114,081				
200	1728	1727.4	205 25	-	5.2	88 36	+42.2	+37.0		3876.2		-1325	-1108	1,294,663	113,988				
201	1992	1991.0	199 20	-	5.8	88 12	+62.6	+56.8		3896.0		-1654	-1109	1,294,334	113,987				
TP	2073	2071.7	199 00 55	-	8.0	88 -	+72.3	+64.3				-1727	-1144	1,294,259	113,950				
TP	2073			-	8.1	272 -	+72.3	+64.2		3903.4	TP	-2	-2						
	515	513.8	59 49 39	+14.5	11.0	86 -	-35.9	-24.9	3878.5		BS	-139	-495						
	515				11.1	274 -	-35.9	-24.8			BS	-2	-2						
202	253		60 05	-	6.2	86 50	+14.0	+7.8		3886.3		+67	+244	1,294,195	113,697				
TP	0				5.1	-		-5.1		3873.4	TP	0	0	1,294,118	113,453				
203	80		260 46	-	3.7	94 20	-6.0	-9.7		3868.8		+7	-80	1,294,125	113,373			mine	
204	389		252 55	-	6.2	92 30	-17.0	-23.2		3855.3		-18	-389	1,294,100	113,064			-	
TP	537		250 26 32	-	7.2	92 -	-18.7	-25.9			TP	-47	-535	1,294,069	112,916			-	
TP	537				7.3	268 -	-18.7	-26.0		3852.5	TP	-2	-2						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
2-5-86		B. Cotcamp		B. SALOVAR		6834		B.S.			3		17		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		BAGDAD S.W. - 7 1/2'		ARIZ.		YAVAPAI								J. Mc CRELAN	
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										3852.5					
	623		78° 19' 18"	+14.5	9.9	92° -	+21.7	+31.6	3884.1		BS	+31	-622		
	623				9.9	268° -	+21.7	+31.6		BS	-2	-2			
205	467	466.1	70° 20'	-	5.2	93° 34'	-29.1	-34.3		3849.8		+42	+464	1,294,140	112,756
206	168	166.2	73° 10'	-	6.2	98° 20'	-24.3	-30.5		3853.6		+7	+166	1,294,105	112,458
	0				5.1	-		-5.1		3879.0	TP	0	0	1,294,098	112,292
207	232		183° 50'	+14.5	5.3	87° 50'	+8.8	+3.5		3887.6		-220	-73	1,293,878	112,219
208	501	500.0	211° 25'	-	5.7	86° 20'	+32.0	+26.3		3910.4		-348	-359	1,293,750	111,933
TP	777	774.8	213° 16' 21"	-	7.0	85° 40'	+58.7	+51.7			TP	-521	-574	1,293,575	111,716
TP	777				7.1	274° 20'	+58.7	+51.6		3935.7	TP	-2	-2		
	894	888.0	19° 46' 36"	+14.5	14.3	96° 40'	+103.8	+118.1	4053.8		BS	-734	-500		
	894				14.4	263° 20'	+103.8	+118.2		BS	-2	-2			
209	846	840.1	20° 48'	-	13.2	96° 48'	-100.2	-113.4		3940.4		+686	+485	1,293,525	111,699
210	562	556.8	33° 48'	-	4.9	97° 48'	-76.3	-81.2		3972.6		+370	+46	1,293,209	111,630
IF	419	415.1	39° 36' 52"	-	9.4	97° 50'	-57.1	-66.5		3987.3	IF	+243	+336	1,293,082	111,550
211	245	240.5	46° 40'	-	4.7	101° 05'	-46.7	-51.4		4002.4		+116	+211	1,292,955	111,425
	0				5.1	-		-5.1		4048.7	TP	0	0	1,292,839	111,214
212	90	88.0	197° 15'	+14.5	5.6	102° -	-18.7	-24.3		4029.5		-75	-46	1,292,764	111,168
213	400		229° 50'	-	6.2	93° -	-26.9	-27.1		4026.7		-173	-361	1,292,666	110,853
214	721		232° 25'	-	6.0	92° 10'	-27.3	-33.3		4020.5		-283	-663	1,292,556	110,551
215	1047		232° 25'	-	5.6	90° 10'	-3.0	-8.6		4045.2		-411	-963	1,292,428	110,251

y = 1,293,010 x = 111,405
IF T-Inter.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2-5-86	INSTRUMENT MAKE	B. Stamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	3	PAGE	18
AREA	ARIZONA	TOPO MAP	BAGDAD S.W. -7 1/2'	STATE	ARIZ.	COUNTY	YAVAPAI	TWP		RANGE		PPM	
PARTY MANAGER													
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				
									4053.8										
216	1364		236 50	+14.5	10.6	89 12	+19.0	+8.4		4062.2		-437	-1292	1,292,402	109,922				
TP	1409		236 37 30	-	5.5	89 10	+20.5	+15.0		4068.8	TP	-456	-1333	1,292,381	109,879				
TP	1409				5.4	270 50	+20.5	+15.1			TP	-2	-2						
	1524	1521.4	76 49 14	-	+14.8	86 38	-89.5	-74.7			BS	+35	-1521						
	1524				+14.7	273 22	-89.5	-74.8	3994.0		BS	-2	-2						
217	1253	1251.8	72 30	+14.5	6.2	87 30	+54.7	+48.5		4042.5		+66	+1250	1,292,480	109,606				
218	1084	1083.1	59 44	-	20.8	87 42	+43.5	+22.7		4016.7		+294	+1042	1,292,708	109,398				
219	846	844.4	46 50	-	27.9	86 30	+51.6	+23.7		4017.7		+405	+741	1,292,819	109,097				
220	652	651.2	28 45	-	6.3	87 10	+32.2	+25.9		4019.9		+474	+446	1,292,888	108,802				
221	345		23 05	-	4.7	87 10	+17.1	+12.4		4006.4		+273	+210	1,292,687	108,566				
222	110	36.9	77 50	-	4.7	112 34	-15.4	-20.1		3973.9		-2	+37	1,292,412	108,393				
π	0				5.1	-		-5.1		3988.9	π	0	0	1,292,414	108,356				
223	280	275.8	269 34	+14.5	5.8	100 -	-48.6	-54.4		3939.6		+67	-268	1,292,481	108,088				
TP	449	445.0	268 25 16	-	7.3	97 40	-59.9	-67.2			TP	+100	-434	1,292,512	107,920				
TP	449				7.4	262 20	-59.9	-67.3		3926.7	TP	-2	-2						
	1268	1260.3	94 15 12	-	+6.7	83 40	-139.9	-133.2			BS	+405	-1193						
	1268				+6.6	26 26 20	-139.9	-133.3	3793.4		BS	-2	-2						
224	1117	1110.5	91 30	-	4.8	83 50	+120.0	+115.2		3908.6		-306	+1067	1,292,609	107,792				
225	868	863.8	80 35	-	3.9	84 20	+85.7	+81.8		3875.2		-77	+860	1,292,838	107,585				WAST STA. ON ROAD
226	545	543.2	85 20	-	2.9	85 20	+44.3	+41.4		3834.8		-93	+535	1,292,822	107,260				X - Country

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2-5-86	INSTRUMENT MAN	B. Cotamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	3	PAGE	19	
AREA	ARIZONA	TOPO MAP	BAGPAD-S.W.-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		
									3793.4								
227	244	241.9	100 35'	+14.5	5.6	97 30	-31.8	-37.4		3756.0		-103	+219	1,292,812	106,944	227 back on road	
TP	0				5.1	-		-5.1		3788.3	TP	0	0	1,292,915	106,725		
228	77		230 50'	-	3.7	87 30	+3.4	-0.3		3793.1		-32	-70	1,292,883	106,655		
TP	105	104.2	214 31 20	-	12.9	83 -	+12.8	-0.1		3793.3	TP	-68	-79	1,292,847	106,644		
TP	105				12.8	277 -	+12.8	±0.0			TP		-2				
	1573	1570.3	6 05 46	+14.5	5.5	86 46	-91.5	-86.0			BS	-1470	-552				
	1573				5.4	273 20	-91.5	-86.1	3707.2		BS		-2				
229	1329	1326.4	12 40	-	4.8	86 24	+83.4	+78.6		3785.8		+1180	+606	1,292,557	106,696		
230	1040	1037.6	19 05	-	6.4	86 06	+70.7	+64.3		3771.5		+864	+574	1,292,241	106,664		
231	711	710.0	22 40	-	6.0	87 -	+37.2	+31.2		3738.4		+566	+429	1,291,943	106,519		
232	401		32 45	-	4.2	90 50	-5.8	-10.0		3697.2		+272	+294	1,291,649	106,384		
233	212	202.9	77 13	-	4.3	106 50	-61.4	-65.7		3641.5	TP	-6	+203	1,291,371	106,293	TP -1,291,405 x -106,230 creek crossing	
TP	0				5.1	-		-5.1		3702.1	TP	0	0	1,291,377	106,090		
234	248	241.0	171 40	+14.5	6.2	103 40	-58.6	-64.8		3642.4		-240	-26	1,291,137	106,064		
235	542	537.9	193 10	-	6.1	97 04	-66.7	-72.8		3634.4		-476	-250	1,290,901	105,840		
236	862	856.5	193 55	-	6.3	96 28	-97.1	-103.4		3603.8		-753	-408	1,290,624	105,682		
237	1156	1152.5	187 05	-	15.3	94 28	-90.0	-105.3		3601.9		-1072	-424	1,290,305	105,666		
238	1477	1475.0	186 52	-	5.6	93 -	-77.3	-82.9		3624.3		-1374	-537	1,290,003	105,553		
TP	1666	1664.9	189 50 06	-	4.6	92 08	-62.0	-66.6		3640.6		-1517	-686	1,289,860	105,404	TP -1,289,890 x -105,410 y-inter.	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2-5-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	3	PAGE	20	
AREA	ARIZONA	TOPO MAP	BAGDAD S.W. - 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			
									3707.2									
239	1782		190° 55'	+14.5	6.5	91° 50'	-57.0	-63.5		3643.7		-1610	-765	1,289,767	105,325			
240	2097		192° 55'	-	4.3	90° 30'	-18.3	-22.6		3684.6		-1861	-966	1,289,516	105,124			
TP	2165		193° 49' 26"	-	8.2	90° 20'	-12.6	-20.8		3686.4	TP	-1906	-1027	1,289,471	105,061			
TP	2165				8.1	268° 40'	-12.6	-20.7			TP		-2					
	781		41° 38' 18"	+14.5	2.2	93° -	+40.9	+43.1			BS	-435	-648					
	781				+2.1	267° -	+40.9	+43.0	3729.4		BS		-2					
241	554		33° 26'	-	5.3	93° 26'	-33.2	-38.5		3690.9		+371	+411	1,289,407	104,822			
242	248		33° -	-	4.8	94° 36'	-19.9	-24.7		3704.7		+168	+183	1,289,204	104,594			
π	0				5.1	-	-	-5.1		3724.3	π	0	0	1,289,036	104,411			
243	83		235° 25'	-	5.8	93° 30'	-5.1	-10.9		3718.5		-29	-78	1,289,007	104,333			
244	402		220° 30'	-	6.0	92° 38'	-18.5	-24.5		3704.9		-231	-329	1,288,805	104,082			
245	689		210° 30'	-	6.1	93° 38'	-43.7	-49.8		3679.6		-487	-487	1,288,549	103,924			
246	1003		204° 12'	+14.5	5.8	94° 18'	-75.2	-81.0		3648.4		-783	-627	1,288,253	103,784			
247	1284		209° -	-	6.3	93° 15'	-72.8	-79.1		3650.3		-931	-884	1,288,105	103,527			
248	1597		209° 05'	-	6.3	92° 00'	-55.7	-62.0		3667.4		-1157	-1101	1,287,879	103,310			
TP	1695	1694.3	209° 14' 45"	-	9.3	91° 40'	-49.3	-58.6		3670.8	TP	-1224	-1172	1,287,812	103,237			
TP	1695				9.2	268° 20'	-49.3	-58.5			TP		-2					
	666		321° 22' 21"	+14.5	10.0	-	-	+10.0	3680.8		BS	-608	+272					
	666				6.7	BH	+3.3	+10.0			BS		-2					

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

GEO-445

DATE **2-5-86** INSTRUMENT MAN **B. Cotcamp** ROD MAN **B. SALDIVAR** PARTY NUMBER **6834** NOTES CHECKED BY **B.S** LINE NO. **3** PAGE **21**

AREA **ARIZONA** TOPO MAP **BAGDAD S.W. - 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	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									3680.8							
249	459		307 55	+14.5	5.8	93	-24.0	-29.8		3651.0		+364	-280	1,287,568	103,227	
250	245	244.2	272 35	-	11.9	94 30	-19.2	-31.1		3649.7		+72	-233	1,287,276	103,274	
TP	25		206 51 30	-	4.7	92 12	-1.0	-5.7		3675.1	TP	-19	-17	1,287,185	103,490	g. 1,287,185 x = 103,490 TRAIL Horiz y = -23 CORR. x = -40
TP	0				5.1	-		-5.1		3675.7	TP	0	0	1,287,204	103,507	
251	93	92.2	155 22	+14.5	5.9	97 22	-11.9	-17.8		3663.0		-91	+16	1,287,113	103,523	
252	421	418.3	143 43	-	6.3	96 30	-47.7	-54.0		3626.8		-388	+155	1,286,816	103,662	
TP	484	480.9	142 58 16	-	5.3	96 30	-54.8	-60.1		3620.7	TP	-444	+184	1,286,760	103,691	
TP	484				5.2	263 30	-54.8	-60.0			TP					
	398	397.0	324 10 22	-	8.1	86	-27.8	-19.7			BS	-370	+144			
	398				8.0	274	-27.8	-19.8	3600.9		BS					
253	300		0 38	-	5.4	-		-5.4		3595.5		+290	+78	1,286,680	103,913	
254	127	124.9	92 34	-	6.4	100 34	-23.3	-29.7		3571.2		-37	+119	1,286,353	103,954	
TP	0				5.1	-		-5.1		3595.8	TP	0	0	1,286,390	103,835	
255	271	269.8	196 30	+14.5	6.3	95 30	-26.0	-32.3		3568.6		-231	-139	1,286,159	103,696	
256	585	582.4	201 27	-	6.3	95 24	-55.1	-61.4		3539.5		-471	-342	1,285,919	103,493	LAST STA. ON ROAD
TP	533	531.2	207 51 15	-	3.5	94 40	-43.4	-46.9		3554.0	TP	-393	-358	1,285,997	103,477	X - Country
TP	533				3.4	265 20	-43.4	-46.8			TP					
	498	491.9	33 18 38	-	4.4	81	-77.9	-73.5			BS	-330	-364			
	498				4.3	279	-77.9	-73.6	3480.4		BS					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2-5-86		B. Cotcamp		B. SALDIVAR		6834		B.S		3		22			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZ.		BASOAO SW 1/4		ARIZ.		YAVAPAI								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
									3486.4						
257	192	191.4	21 -	+14.5	4.7	85° 28'	+15.2	+10.5		3490.9		+156	+111	1,285,823	103,224 X-country
	0				5.1	-		-5.1		3475.3	X	0	0	1,285,667	103,113 BACK ON ROAD
258	138	136.8	189° 56'	-	4.6	97° 40'	-18.4	-23.0		3457.4		-125	-56	1,285,542	103,057 - -
259	457	454.9	185 -	-	21.5	95° 30'	-43.8	-65.3		3415.1		-429	-152	1,285,238	102,961
260	779	776.0	177° 45'	-	5.2	95 -	-67.9	-73.1		3407.3		-758	-165	1,284,909	102,948
261	1105	1101.9	178 -	+14.5	5.7	94° 18'	-82.9	-88.6		3391.8		-1076	-238	1,284,591	102,875
262	1408	1404.9	177° 50'	-	13.2	93° 50'	-94.1	-107.3		3373.1		-1372	-300	1,284,295	102,813
263	1728	1725.4	178° 49'	-	21.5	93° 10'	-95.5	-117.0		3363.4		-1679	-397	1,283,988	102,716
TP	1806	1802.9	177° 39' 10"	-	2.5	93° 20'	-105.0	-107.5			TP	-1763	-380	1,283,904	102,733
	1806				2.6	266° 40'	-105.0	-107.6		3372.8	TP				
	756	754.6	61° 55' 18"	-	6.8	93° 30'	+46.2	+53.0	3425.8		BS	-177	-734		
	756				6.9	266° 30'	+46.2	+53.1			BS				
264	489	480.8	53° 10'	+14.5	6.5	100° 30'	-89.1	-95.6		3330.2		+183	+445	1,283,910	102,444 LAST STA. ON ROAD
265	168	163.7	53° 06'	-	8.2	103 -	-37.8	-46.0		3379.8		+62	+151	1,283,789	102,150 X-COUNTRY
	0				5.1	-		-5.1		3420.7	X	0	0	1,283,727	101,999 - -
266	157		232° 55'	-	8.2	92° 42'	-7.4	-15.6		3410.2		-60	-145	1,283,667	101,854 - -
267	450		248° 55'	-	7.2	88° 40'	+10.5	+3.3		3429.1		-52	-447	1,283,675	101,552 BACK ON ROAD
TP	634	633.1	251° 07' 51"	-	3.9	87 -	+33.2	+29.3			TP	-48	-631	1,283,679	101,368
TP	634				4.0	273 -	+33.2	+29.2		3455.0	TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2-10-86		B. C. CAMP		B. SALDIVAR		6834		B.S.		3		23			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZ.		BAGDAD S.W. - 7 1/2'		AZ.		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
									3455.0						
	301	299.9	106° 40' 52"	+14.5	13.2	95° -	+26.2	+39.4	3494.3		BS	+155	-257		
	301				+13.1	265° -	+26.2	+39.3		BS					
268	163	159.4	91° 30'	-	4.7	102° 05'	-34.1	-38.8		3455.5		-44	+153	1,283,790	101,264
π	0				5.1	-		-5.1		3489.2	π	0	0	1,283,834	101,111
269	124		285° 30'	-	6.0	85° 20'	+10.1	+4.1		3498.4		+62	-107	1,283,896	101,004
270	438	436.2	284° 35'	-	4.8	84° 46'	+10.0	+35.2		3529.5		+212	-381	1,284,046	100,730
TP	577	575.0	279° 39' 24"	-	7.0	85° 10'	+48.6	+41.6		3535.9	TP	+235	-525	1,284,069	100,586
TP	577				7.0	274° 50'	+48.6	+41.6			TP				
	802		52° 51' 45"	+14.5	5.7	88° 30'	-21.0	-15.3	3520.5		BS	-309	-740		
	802				+5.6	271° 30'	-21.0	-15.4		BS					
271	685		42° 06'	-	5.2	90° 34'	-6.8	-12.0		3508.5		+377	+572	1,284,137	100,418
272	479		18° 06'	-	10.5	92° 06'	-17.6	-28.1		3492.4		+404	+258	1,284,164	100,104
273	198	197.1	38° 40'	-	4.7	95° 20'	-18.4	-23.1		3497.4		+118	+158	1,283,878	100,004
✕	134		34° 36' 57"	-	5.5	95° 20'	-12.5	-18.0		3502.5		+87	+101	1,283,847	99,947
π	0				5.1	-		-5.1		3515.4	π	0	0	1,283,760	99,846
274	225	221.8	309° 42'	+14.5	4.7	99° 42'	-37.9	-42.6		3477.9		+180	-130	1,283,940	99,716
275	334	329.6	240° 35'	-	5.5	99° 20'	-54.2	-59.7		3460.8		-85	-318	1,283,675	99,528
276	630	629.0	224° 42'	-	3.4	93° 16'	-34.8	-38.2		3482.3		-322	-540	1,283,438	99,306
1/2	764		219° 31' 37"	-	3.7	91° 10'	-15.6	-19.3		3501.2	TP	-449	-618	1,283,311	99,228
1/2	764				3.6	268° 50'	-15.6	-19.2			TP				

dist. surr.†

1,283,840 x 99,940
4 way

1,283,300 x 99,200
1/2 - Inter. El. 3500.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE: 2-10-86 INSTRUMENT MAN: B. Cotcamp ROD MAN: B. SALDIVAR PARTY NUMBER: 6834 NOTES CHECKED BY: B.S.
 AREA: ARIZONA TOPO MAP: BAGDAD S.W.-7 1/2 STATE: AZ. COUNTY: YAVAPAI TWP: RANGE: PPM: LINE NO: 3 PAGE: 24
 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.	
	565		358 47.8	+14.5	11.7	-		+11.7		3501.2				
	565				11.6	270 -		+11.6	3512.8		BS	-550	-130	
277	417		348 27	-	4.3	93 30	-25.5	-29.8				BS		
278	138	133.8	308 27	-	5.6	104 08	-33.7	-39.3		3483.0		+416	+21	1,283,177 99,119
	0				5.1	-		-5.1		3473.5		+107	-81	1,282,868 99,017
279	277	275.4	210 30	+14.5	4.5	96 10	+29.8	-34.3		3507.7	X	0	0	1,282,761 99,098
280	577		197 12	-	5.4	92 30	-25.2	-30.6		3478.5		-195	-195	1,282,566 98,903
TP	628		198 04 30	-	12.3	91 30	-16.4	-28.7		3482.2		-491	-303	1,282,270 98,795
TP	628				12.2	268 30	-16.4	-28.6		3484.1	TP	-529	-338	1,282,232 98,760
	474	472.5	68 37 34	-	11.2	94 30	+37.2	+48.4			TP			
	474				11.1	265 30	+37.2	+48.3	3532.4		BS	-57	-469	
281	197	195.8	66 20	-	14.5	96 20	-21.7	-36.2				BS		
	0				5.1	-		-5.1		3496.2		+31	+193	1,282,206 98,484 BAGDAD S.W.-7 1/2
282	139	138.2	244 40	+14.5	6.0	96 20	-15.3	-21.3		3527.3	X	0	0	1,282,175 98,291 GRAY BACK mtus 7 1/2
283	434		252 55	-	6.3	96 10	-1.3	-7.6		3511.1		-26	-136	1,282,149 98,155
TP	539		252 00 04	-	9.5	96 10	-1.6	-11.1		3524.8		-20	-434	1,282,155 97,857
TP	539				9.4	269 50	-1.6	-11.0		3521.3	TP	-33	-538	1,282,142 97,753
	490	488.8	38 20 51	-	8.6	94 -	+34.2	+42.8			TP			
	490				8.5	266 -	+34.2	+42.7	3564.0		BS	-295	-390	
284	264	261.3	33 05		5.0	98 16	-38.0	-43.0				BS		
												+176	+193	1,282,023 97,556

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2-11-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	3	PAGE	25	
AREA	ARIZONA	TOPO MAP	GRAY BACK MTS. - 7 1/2	STATE	AZ.	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 TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
									3564.0									
τ	0				5.1	-		-5.1		3558.9	τ	0	0	1,281,847	97,363			
285	207	204.1	311 38	+14.5	6.0	99 38	-34.6	-40.6		3523.4		+169	-114	1,282,016	97,249			
286	365	362.1	247 20	-	6.0	97 14	-46.0	-52.0		3512.0		-51	-358	1,281,796	97,005			
287	581	579.0	218 40	-	19.0	94 43	-47.8	-66.8		3497.2		-347	-463	1,281,500	96,900			
288	875	873.0	208 -	-	6.2	93 50	-58.5	-64.7		3499.3		-644	-590	1,281,203	96,773			
289	1186	1184.1	202 16	-	6.4	93 16	-67.6	-74.0		3490.0		-949	-769	1,280,898	96,654			
TP	1341	1339.0	197 54 10	-	8.5	93 16	-74.1	-82.6		3481.4	TP	-1130	-718	1,280,717	96,645			
TP	1341				8.4	266 50	-74.1	-82.5			TP							
	2064		348 52 42	+14.5	6.9	-		+6.9	6.7 3488.1		BS	-2060	-122					
	2064				6.6	270 -		+6.6			BS							
290	1915		348 52	-	6.0	90 16	-8.9	-14.9		3473.2		+1912	+112	1,280,569	96,635			
291	1590		347 45	-	15.9	90 40	-18.5	-34.4		3453.7		+1589	+62	1,280,246	96,585			
292	1350		341 20	-	6.0	91 26	-31.4	-37.4		3450.7		+1346	-98	1,280,003	96,425			
293	1632		338 -	-	5.2	92 -	-36.0	-41.2		3446.9		+1023	-135	1,279,680	96,388			
	804	802.0	334 54 56	-	4.8	94 -	-56.1	-60.9		3427.2		+788	-147	1,279,445	96,376			y = 1,279,405 x = 96,390 + inter. EL. 3424.0
294	712	709.3	333 -	-	6.4	95 -	-62.1	-68.5		3419.6		+692	-154	1,279,349	96,369			
295	423	420.7	320 -	-	3.6	96 -	-44.2	-47.8		3440.3		+380	-181	1,279,037	96,342			
296	136	134.6	280 20	-	5.8	98 20	-19.7	-25.5		3462.6		+57	-122	1,278,714	96,401			
τ	0				5.1	=		-5.1		3483.0	τ	0	0	1,278,657	96,523			
297	289	288.3	185 05	-	5.4	94 -	-20.2	-25.6		3462.5		-272	-97	1,278,385	96,426			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2-11-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	3	PAGE	26	
AREA	ARIZONA	TOPO MAP	GRAYBACK Mts. - 7 1/2	STATE	AZ.	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			
									3488.1									
298	614		180 35	+14.5	6.2	92 20	-25.0	-31.2		3456.9		-593	-160	1,278,064	96.363			
299	941		181 32 55	-	5.0	91 50	-30.1	-35.1		3453.0	TP	-904	-260	1,277,753	96.263			
299	941				4.9	268 10	-30.1	-35.0			TP							
	1683		14 21 52	-	+9.8	91 10'	+34.3	+44.1			BS	-1474	-812					
	1683				+9.6	268 50	+34.3	+43.9	+44.0	3497.0	BS							
300	1357		14 04	-	11.2	92 04	-48.9	-60.1		3436.9		+1192	+649	1,277,471	96.100			
301	1038		12 45	-	4.9	92 30	-45.3	-50.2		3440.8		+923	+475	1,277,202	95.926			
302	711	709.5	11 30	-	6.6	93 40	-45.5	-52.1		3444.9		+638	+311	1,276,917	95.762			
303	403	400.1	21 -	-	6.4	96 50	-48.0	-54.4		3442.6		+326	+232	1,276,605	95.683			
304	84	83.4	18 50	-	4.2	96 50	-10.0	-14.2		3482.8		+70	+46	1,276,349	95.497	gate		
X	0				5.1	-		-5.1		3491.9	X	0	0	1,276,279	95.451			
305	250	249.1	226 -	+14.5	5.3	94 50	-21.1	-26.4		3470.6		-123	-217	1,276,156	95.234			
TP	485	484.4	219 51 28	-	6.7	92 50	-24.0	-30.7		3466.3	TP	-282	-394	1,275,997	95.057	GRAYBACK Mts. - 7 1/2		
TP	485				6.6	267 10	-24.0	-30.6			TP							
	1926		359 37 40	+14.7	7.6	89 -	-33.6	-26.0			BS	-1866	-477			ARRASTRA MT. N.E. - 7 1/2		
	1926				+7.3	271 -	-33.6	-26.3	-26.2	3440.1	BS							
306	1840		359 45	-	6.5	89 14	+24.6	+18.1		3458.2		+1782	+459	1,275,913	95.039			
307	1516		6 25	-	6.3	89 46	+6.2	-0.1		3440.0		+1464	+395	1,275,595	94.975			
308	1209		5 30	-	5.3	90 50	-17.6	-22.9		3417.2		+1135	+417	1,275,266	94.997			
309	883		3 45	-	4.9	91 50	-28.2	-33.1		3407.0		+838	+279	1,274,969	94.859			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2-10-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S.	LINE NO.	3	PAGE	27	
AREA	ARIZ.	TOPO MAP	ARRASTRA MT. N.E. - 7 1/2	STATE	AZ.	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			
									3440.1									
310	578	575.4	355 -	+14.7	5.3	95 24	-54.4	-59.7		3380.4		+567	+97	1,274,698	94,677			
311	362	294.5	14 23	-	4.8	102 46	-66.7	-71.5		3368.6		+257	+143	1,274,388	94,723			
X	0				5.1	-		-5.1		3435.0	X	0	0	1,274,131	94,580			
312	269	255.7	88 52	-	6.0	108 06	-83.6	-89.6		3350.5		-60	+249	1,274,071	94,829			
313	494	484.7	128 09	-	4.7	101 08	-95.4	-100.1		3340.0		-386	+293	1,273,745	94,873			
314	772	765.9	140 41	-	11.0	97 14	-97.2	-108.2		3331.9		-696	+319	1,273,435	94,899			
315 TP	1035	1030.0	144 11 06	-	11.1	95 40	-102.2	-113.3		3326.8	TP	-961	+371	1,273,170	94,951			
TP	1035				11.0	264 20	-102.2	-113.2			TP							
	733		350 40 54	+14.7	13.7	89 -	-12.8	+0.9			BS	-730	-69					
	733				13.6	271 -	-12.8	+0.8	3327.6		BS							
315	693		345 40	-	5.0	89 38	+4.4	-0.6		3327.6		+693	+4	1,273,133	94,886			
316	525		320 20	-	18.5	87 18	+24.7	+6.2		3333.8		+476	-222	1,272,916	94,660			
317	209		317 40	-	5.7	91 20	-4.9	-10.6		3317.0		+185	-97	1,272,625	94,785			
X	0				5.1	-		-5.1		3322.5	X	0	0	1,272,440	94,882			
318	129		101 30	+14.7	6.0	94 30	-10.1	-16.1		3311.5		-57	+116	1,272,383	94,998			
319	438		128 30	-	19.0	92 40	-20.4	-39.4		3288.2		-351	+262	1,272,089	95,144			
320	691	688.9	149 40	-	6.0	94 26	-53.4	-59.4		3268.2		-663	+186	1,271,777	95,068			
321	956	953.6	160 -	-	4.0	94 04	-67.8	-71.8		3255.8		-950	+88	1,271,490	94,970			
322	1232	1228.2	167 35	-	6.4	94 32	-97.4	-103.8		3223.8		-1227	-49	1,271,213	94,833			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2-11-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S.	LINE NO.	3	PAGE	28	
AREA	ARIZONA	TOPO MAP	ARRASTRA Mt. N.E. - 7 1/2	STATE	AZ.	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			
									3327.6									
TP	1325	1320.9	169 53 38	+14.7	12.6	94 32	-104.7	-117.3	-117.2	3210.4	TP	-1317	-106	1,271,123	94,776			
TP	1325				12.3	265 28	-104.7	-117.0			TP							
	1258		25 37 45	-	+8.8	91 30	+32.9	+41.7	+41.5	3251.9	BS	-959	-814					
	1258				+8.5	268 30	+32.9	+41.4			BS							
323	1035		25 40	-	15.4	92 40	-48.2	-63.6		3188.3		+789	+670	1,270,953	94,632			
324	736		28 35	-	5.7	93 10	-40.7	-46.4		3205.5		+536	+505	1,270,700	94,467			
325	440		33 50	-	4.8	98 20	-63.8	-68.6		3183.3		+291	+330	1,270,455	94,292			
326	193		71 25	-	4.9	106 20	-54.3	-59.2		3192.7		+13	+193	1,270,177	94,155			
π	0				5.1			-5.1		3246.8	π	0	0	1,270,164	93,962			
327	317		150 40	+14.7	5.9	103 20	-73.1	-79.0		3172.9		-307	+80	1,269,857	94,042			
328	640		151 35	-	6.5	98 20	-92.8	-99.3		3152.6		-622	+152	1,269,542	94,114			
329	958		156 32	-	6.5	96 20	-105.7	-112.2		3139.7		-947	+146	1,269,217	94,108			
330	1251		164 20	-	20.4	95 38	-122.8	-143.2		3108.7		-1251	+21	1,268,913	93,983			
331	1574		165 05	-	3.8	95 30	-150.9	-154.7		3097.2		-1574	+6	1,268,590	93,968			
TP	1644	1637.7	166 52 36	-	5.1	95	-143.3	-148.4	-148.3	3103.6	TP	-1637	-45	1,268,527	93,917			
TP	1644				4.8	265	-143.3	-148.1			TP							
	682	681.4	6 11 57	+14.7	12.2	87 40	-27.8	-15.6			BS	-637	-243					
	682				12.1	272 20	-27.8	-15.7	3087.9		BS							
332	450		6 05	-	12.3	87 40	+18.3	+6.0		3093.9		+421	+160	1,268,311	93,834			
333	152 122		358 30	-	4.2	87 40	+5.0	+0.8		3088.7		+119	+28	1,268,009	93,702			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE	2-11-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	3	PAGE	29	
AREA	ARIZONA	TOPO MAP	ARRASTRA N.H. N.E. 7 1/2	STATE	AZ.	COUNTY	YAVAPAI	TWP		RANGE		PPM	PARTY MANAGER	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 TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
									3687.9									
TP	0				5.1	-		-5.1		3082.8	TP	0	0	1,267,890	93,674			
334	212		196 05	+14.7	4.7	94 54	-18.1	-22.8		3065.1		-182	-109	1,267,708	93,565			
1K	458		187 16 22	-	6.4	93 40	-29.3	-35.7		3052.2	1K	-424	-171	1,267,466	93,503	1,267,500 x 93,505	y-intersect	
335	539		192 50	-	5.0	94 -	-37.6	-42.6		3045.3		-478	-249	1,267,412	93,425			
336	801		207 20	-	5.8	93 30	-48.9	-54.7		3033.2		-595	-536	1,267,295	93,138			
337	1103		214 05	-	12.0	91 40	-32.1	-44.1		3043.8		-727	-830	1,267,163	92,844			
338	1414		214 -	-	6.0	91 34	-38.7	-44.7		3043.2		-933	-1062	1,266,957	92,612			
TP	1666		211 29 48	+14.5	12.2	91 -	-29.1	-41.3	-41.2	3046.7	TP	-1157	-1198	1,266,733	92,476			
TP	1666				11.9	269 -	-29.1	-41.0			TP							
	1249		65 39 -	-	+6.7	88 30	-32.7	-26.0	-26.2	3020.5	BS	-214	-1230					
	1249				+6.4	271 30	-32.7	-26.3			BS							
339	1209		67 55	-	6.5	88 52	+23.9	+17.4		3037.9		+160	+1198	1,266,679	92,444			
340	1001		81 34	-	6.1	89 36	+7.0	+0.9		3021.4		-106	+995	1,266,413	92,241			
341	904		97 13	-	5.9	91 10	-18.4	-24.3		2996.2		-335	+840	1,266,184	92,086			
342	768	766.4	76 31	-	6.4	93 40	-49.1	-55.5		2965.0		-14	+766	1,266,505	92,012		42	
343	521	518.1	75 35	-	6.4	96 04	-55.1	-61.5		2959.0		-1	+518	1,266,518	91,764		43	
344	216	211.0	79 45	-	5.9	102 20	-46.1	-52.0		2968.5		-16	+216	1,266,503	91,456			
TP	0				5.1	-		-5.1		3015.4	TP	0	0	1,266,519	91,246			
345	215	213.2	175 30	+14.5	5.6	97 30	-28.1	-33.7		2986.8		-210	-37	1,266,309	91,209			
346	317	313.1	243 55	-	6.0	99 -	-49.6	-55.6		2961.9		-63	-307	1,266,456	90,939			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2-11-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	3	PAGE	30	
AREA	ARIZONA	TOPO MAP	ARRASTRA M. N.E. 7 1/2	STATE	AZ.	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	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									3020.5					
347	620	613.2	260 40	+14.5	4.9	98 30	-91.6	-96.5		2924.0		+55	-611	1,266.574 90.635
348	902	896.6	252 -	-	11.3	96 18	-99.0	-110.3		2910.2		-55	-895	1,266.464 90.351
349	1197	1192.0	252 05	-	6.4	95 16	-109.9	-116.3		2904.2		-71	-1190	1,266.448 90.056
TP	1188	1185.7	262 56 46	-	13.7	93 36	-74.6	-88.3	-88.2 1/2	2932.3	TP	+154	-1176	1,266.673 90.070 57' 28"
TP	1188				13.4	266 24	-74.6	-88.0			TP			
	830		102 22 47	+14.5	1.7	92 -	+29.0	+30.7			BS	+375	-740	
	830				1.6	268 -	+29.0	+30.6	2962.9		BS			
350	660	658.8	103 20	-	6.6	93 34	-41.1	-47.7		2915.2		-308	+583	1,266.740 89.913
351	331	330.3	103 05	-	13.0	93 40	-21.2	-34.2		2928.7		-153	+293	1,266.895 89.623
352	143	140.8	26 10	-	5.6	100 -	-24.8	-30.4		2932.5		+107	+92	1,267.155 89.422
Σ	0				5.1	-		-5.1		2957.8	Σ	0	0	1,267.048 89.330
353	290		299 -	+14.5	4.3	93 30	-17.7	-22.0		2940.9		+200	-210	1,267.248 89.120
354	601		291 30	-	5.8	90 30	-5.2	-11.0		2951.9		+353	-486	1,267.401 88.844
Bm	450	449.3	218 05 05	-	14.4	86 46	+25.4	+11.0		2973.9	Bm	-273	-357	1,266.775 88.973 y-1,266.800 x-88.962 u.s.c+65.8m El. 2974.0 6-289 1950
355	921		287 40	-	5.7	89 48	+3.2	-2.5		2960.4		+490	-780	1,267.538 88.550
356	1229		290 45	-	6.0	89 10	+17.9	+11.9		2974.8		+709	-1004	1,267.757 88.326
TP	1272		292 10 30	+14.3	7.9	89 10	+18.5	+10.6	+10.8 1/2	2973.7	TP	+756	-1023	1,267.804 88.307
TP	1272				7.6	270 50	+18.5	+10.9			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2-11-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	3	PAGE	31
AREA	ARIZONA	TOPO MAP	ARRASTRA Mt. N.E. 7 1/2	STATE	AZ.	COUNTY	YAVAPAI	TWP	RANGE	PPM	PARTY MANAGER 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 TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
										2973.7								
	1864	1862.7	144 04 48	+14.3	10.5	92 10	+70.5	+81.0	20.8 } 3054.5		BS	+1732	-686					
	1864				10.2	267 50	+70.5	+80.7			BS							
357	1589	1587.5	144 45	-	6.3	92 32	-70.2	-76.5		2978.0		-1483	+568	1,268.053	88.189			
358	1261	1259.6	145 32	-	6.5	92 46	-58.7	-65.2		2989.3		-1182	+434	1,268.354	88.055			
359	931	929.8	- -	-	5.0	92 54	-47.1	-52.1		3002.4		-873	+321	1,268.663	87.942			
360	601	599.9	- -	-	6.3	93 26	-36.0	-42.3		3012.2		-563	+207	1,268.973	87.828			
361	299	297.5	131 46	-	6.2	95 44	-29.9	-36.1		3018.4		-247	+166	1,269.289	87.787			
TP	0				5.1	-		-5.1		3049.4	TP	0	0	1,269.536	87.621			
362	141	140.0	48 10	+14.3	5.0	97 -	-17.2	-22.2		3032.3		+65	+124	1,269.601	87.745			
363	379		349 25	-	11.0	89 38	+2.4	-8.6		3045.9		+378	+25	1,269.914	87.646			
TP	624		347 34 10	+14.1	10.5	88 50	+12.7	+2.2		3056.7	TP	+624	+18	1,270.160	87.639			
TP	624		3		10.4	271 10	+12.7	+2.3			TP							
Bm	1311		344 10 40	+14.3	11.5	87 20	+61.0	+49.5		3104.0	Bm	+1309	-35	1,270.845	87.586	1,270.870 x - 87.570	U.S.G.S. Bm El. 3104.0	
BS on TP.										3056.7								
	1185	1183.9	78 54 52	+14.1	9.0	92 30	+51.7	+60.7	3117.4		BS	+62	-1182				on T.P.	
	1185				8.9	267 30	+51.7	+60.6				BS						
364	1172	1171.2	75 08	-	11.7	92 10	-44.3	-56.0		30614		+16	+1171	1,270.238	87.628			
365	945	943.9	62 10	-	6.3	92 48	-46.2	-52.5		3064.9		+224	+917	1,270.446	87.374			
366	684	682.0	52 -	-	5.1	94 20	-51.7	-56.8		3060.6		+276	+624	1,270.498	87.081			
367	367	364.0	45 55	-	2.3	97 20	-46.8	-49.1		3068.3		+182	+315	1,270.404	86.772			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2-12-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S.	LINE NO.	3	PAGE	32	
AREA	ARIZONA	TOPO MAP	ARRASTRA Mt. N.E. 7 1/2	STATE	AZ.	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			
									3117.4									
368	134	131.1	341 25	+14.1	4.7	101 52	-27.6	-32.3		3085.1		+131	-10	1,270,353	86.447			
X	0				5.1	-		-5.1		3112.3	X	0	0	1,270,222	86.457			
369	332		264 10	-	5.6	92 20	-13.5	-19.1		3098.3		+48	-329	1,270,270	86.128			
370	647		254 25	-	5.2	-		-5.2		3112.2		-17	-647	1,270,205	85.810			
371	928		266 -	-	19.0	88 10	+29.7	+10.7		3128.1		+163	-914	1,270,385	85.543			
372	1192	1190.4	266 35	+14.1	4.8	87 -	+62.4	+57.6		3175.0		+221	-1170	1,270,443	85.287			
373	1414	1410.0	256 55	-	4.3	85 40	+106.8	+102.5		3219.9		+25	-1410	1,270,247	85.047			
TP	1658	1652.5	258 23 27	-	6.7	85 20	+134.9	+128.2			TP	+72	-1651	1,270,294	84.806			
TP	1658				6.6	274 40	+134.9	+128.3		3245.7	TP							
	612	610.5	135 18 26	-	+12.7	94 -	+42.7	+55.4	3301.1		BS	+526	-311					
	612				+12.6	266 -	+42.7	+55.3			BS							
374	514	512.2	133 25	-	5.5	94 50	-43.3	-48.8		3252.3		-432	+275	1,270,388	84.770			
375	192	187.2	134 50	-	4.8	102 50	-42.6	-47.4		3253.7		-160	+97	1,270,660	84.592			
X	0				5.1	-		-5.1		3296.0	X	0	0	1,270,820	84.495			
376	196	192.1	244 -	+14.1	3.0	101 30	-39.1	-42.1		3259.0		-40	-188	1,270,780	84.307			
377	513	512.4	260 -	-	4.7	92 50	-25.4	-30.1		3271.0		+37	-511	1,270,857	83.984			
378	780		246 55	-	2.7	89 40	+4.5	+11.8		3302.9		-122	-770	1,270,698	83.725			
TP	864		244 34 58	-	6.0	89 -	+15.1	+9.1			TP	-170	-847	1,270,650	83.648			
TP	864				5.9	271 -	+15.1	+9.2		3310.3	TP							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2-12-86		B. Cotaamp		B. SALDIVAR		6834		B. S		3		33			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		ARRASTRA mt. N.E. 7 1/2		ARIZ.		YAVAPAI								J. McCLLEAN	
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
									3310.3						
	377		63 28 03	+14.1	8.3	94 -	+26.3	+34.6	3344.9		BS	-81	-367		
	377				+8.2	266 -	+26.3	+34.5			BS				
379	207	205.5	91 20	-	15.2	96 52	-24.7	-39.9		3305.0		-55	+198	1,270,514	83,479
	π	0			5.1	-		-5.1		3329.8	π	0	0	1,270,569	83,281
380	128	125.9	217 25	-	5.7	100 20	-23.0	-28.7		3316.2		-78	-99	1,270,491	83,182
381	390		269 10	-	4.9	91 30	-10.2	-15.1		3329.8		+90	-380	1,270,659	82,901
382	700		280 50	-	4.8	-		-4.8		3340.1		+295	-635	1,270,864	82,646
383	1018		277 35	-	11.0	89 06	+16.0	+5.0		3349.9		+376	-946	1,270,945	82,335
384	1333		275 41 04	-	10.4	88 50	+27.1	+16.7			TP	+451	-1254	1,271,020	82,027
384	1333				10.3	271 10	+27.1	+16.8		3361.7	TP				
	1600	1596.8	78 03 34	+14.1	13.7	93 36	+100.5	+114.2	+114.1	3475.8	BS	+60	-1596		
	1600				+13.4	266 24	+100.5	+113.9			BS				
385	1323	1319.8	71 40	-	18.4	94 -	-92.3	-110.7		3365.1		+97	+1316	1,271,177	81,747
386	1038	1035.1	64 16	-	12.3	94 16	-77.2	-89.5		3386.3		+209	+1014	1,271,289	81,445
387	718	714.7	60 30	-	7.9	95 30	-68.8	-76.7		3399.1		+190	+689	1,271,270	81,120
388	431	427.6	44 30	-	11.4	97 10	-53.8	-65.2		3410.6		+223	+365	1,271,303	80,796
389	242	237.4	355 15	-	5.1	101 10	-46.9	-52.0		3423.8		+234	+39	1,271,314	80,470
	π	0			5.1	-		-5.1		3470.7	π	0	0	1,271,080	80,431
390	338	336.2	289 30	-	5.8	96 -	-35.3	-41.1		3434.7		+189	-280	1,271,269	80,151
391	635		274 50	-	4.6	92 20	-25.9	-30.5		3445.3		+206	-601	1,271,286	79,830

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2-12-86		B. Stcamp		B. SALDIVAR		6834		B.S		3		34			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		ARRASTRA mt. N.E. 7 1/2		AZ.		YAVAPI								J. Mc CLELLAN	
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3475.8						
392	921		266 35	+14.1	12.4	90 20	-5.4	-17.8		3458.0		+171	-905	1,271,289	79,526
393	1201		256 46	-	18.5	89 31	+10.1	-8.4		3467.4		+18	-1201	1,271,136	79,230
394	1516		254 30	-	5.8	89 38	+9.7	+3.9		3479.7		-37	-1516	1,271,081	78,915
TP	1661		257 12 28	-	11.8	89 20	+19.3	+7.5	} +7.7 1/2	3483.5	TP	+38	-1660	1,271,118	78,771
TP	1661				11.5	270 40	+19.3	+7.8		TP					
	1800		54 29 51	+14.1	8.3	89 -	-31.4	-23.1	} 3460.4		BS	-657	-1676		
	1800				+ 8.2	271 -	-31.4	-23.2		BS					
395	1585		57 -	-	18.8	89 16	+20.3	+1.5		3461.9		+513	+1500	1,270,974	78,595
396	1258		58 05	-	8.6	89 30	+11.0	+2.4		3462.8		+385	+1198	1,270,846	78,293
397	929		58 15	-	10.1	-	-	-10.1		3450.3		+282	+885	1,270,743	77,980
398	604		62 20	-	7.3	-	-	-7.3		3453.1		+142	+587	1,270,603	77,682
399	274		-	-	6.4	92 22	-11.3	-17.7		3442.7		+64	+266	1,270,525	77,361
π	0				5.1	-	-	-5.1		3455.3	π	0	0	1,270,461	77,095
400	65	636	192 25	+14.1	12.0	104 10	-15.9	-27.9		3432.5		-56	-28	1,270,405	77,067
401	375	374.0	223 50	-	7.9	94 10	-27.2	-35.1		3425.3		-199	-317	1,270,262	76,778
402	699	697.9	220 -	-	6.9	93 10	-38.6	-45.5		3414.9		-409	-565	1,270,052	76,530
403	1027	1026.0	222 50	-	12.3	92 30	-44.8	-57.1		3403.3		-560	-860	1,269,901	76,235
404	1347	1346.0	227 50	-	18.8	92 12	-51.7	-70.5		3389.9		-633	-1188	1,269,828	75,967
405	1651	1649.8	232 -	-	18.9	92 12	-63.4	-82.3		3378.1		-668	-1508	1,269,793	75,587

3-1,271,105 x -78,780
OLEA
721 - station no. 3484.0

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2-12-86		B. Cotcamp		D. SALDIVAR		6834		B.S		3		35			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		ARRASTRA Mtn. N.E.		AZ.		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
									3460.4						
TP	1917	1915.8	235° 22' 44"	+14.1	11.8	92° -	-66.9	-78.7	3381.9	TP	-672	-1794	1,269,789	75.301	
TP	1917				11.5	268° -	-66.9	-78.4							
	929		54° 24' 52"	-	+2.2	89° -	-16.2	-14.0	3367.9	BS	-340	-864			
	929				+2.1	271° -	-16.2	-14.1							
406	878		55° 50'	-	9.8	89° 20'	+10.2	+0.4	3368.3		+301	+825	1,269,750	75.262	
407	589		44° -	-	10.4	90° 20'	-3.4	-13.8	3354.1		+311	+500	1,269,760	74.957	
408	828		17° 10'	-	7.5	93° 20'	-19.1	-26.6	3341.3		+280	+170	1,269,729	74.607	
409	84	78.8	294° 25'	-	7.0	110° 20'	-29.2	-36.2	3331.7		+49	-62	1,269,498	74.375	
π	0				5.1	-		-5.1	3362.8	π	0	0	1,269,449	74.437	
410	356	353.8	232° 10'	+14.1	8.8	96° 20'	-39.3	-48.1	3319.8		-142	-324	1,269,307	74.113	
411	682	680.1	231° 53'	-	6.7	94° 20'	-51.5	-58.2	3309.7		-277	-621	1,269,172	73.816	
412	965	963.4	221° 15'	-	11.8	93° 20'	-56.1	-67.9	3300.0		-548	-793	1,268,901	73.644	
413#	1284	1282.2	224° 27' 27"	-	11.0	93° -	-67.2	-78.2	3289.7	#	-669	-1094	1,268,780	73.343	y-1,268,770 x-73,330 # county line E.O.L. Line #3
TP	929				2.2	89° -	+16.2	+14.0	3381.9	TP					
TP	929				2.1	271° -	+16.2	+14.1							
	1917				+11.7	92° -	+66.9	+78.6	3460.5	BS					
	1917				+11.6	268° -	+66.9	+78.5							
π	0				5.1	-		-5.1	3455.4	π	0	0			
Δ	1800				8.3	89° -	+31.4	+23.1	3483.7	Δ					y- Olea Δ EL. 3484.0 U.S.G.S. 1944
Δ	1800				8.2	271° -	+31.4	+23.2							