

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
1-17-86		B. Cotcamp		B. Saldivar		6834		B.S		2	1			
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
ARIZONA		Lake Montezuma J4	ARIZ.	YAVAPAI					J. McClellan					
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		ARIZONA CENTRAL REMARKS Trans. REC. y-1,358,400 x-542,290
												NORTH+ SOUTH-	EAST+ WEST-	
K T - intersect		Elevation	3762.0 (scaled)	y-1	358.400	x-	542.290			3762.0	K			FT T-inter. EL. 3762.0
TP	453		100 43 04	+124	3.0	TH	-2.3	+0.7	3762.6		BS	+178	-417	
TP	453			+2.9	TH	-2.3	+0.6			BS	-			
1	88		97 55	-	5.3	89	+1.5	-3.8		3758.8		-31	+83	1358546 541,956
K	0				5.1	-		-5.1		3757.5	K	0	0	1,358,577 541,873
2	253		314 10	-	6.9	89	+4.4	-2.5		3760.1		+211	-139	1358788 541,734
3	582		316 10	-	5.0	88 40	+13.5	+8.5		3771.1		+497	-304	1359079 541,569
TP	702		313 35 48	-	7.0	88 10	+22.5	+15.5	3778.1		TP	+582	-392	1,359,158 541,481
TP	702				6.9	271 50	+22.5	+15.6			TP	-		
	734		171 48 26	+12.4	6.8	91 40	+21.3	+28.1	3806.1		BS	+732	+54	
	734			+6.7	268 20	+21.3	+28.0				BS	-		
4	499		171 30	-	9.7	92 30	-21.8	-31.5		3774.6		-498	-34	1359391 541,501
5	170		165 30	-	5.7	92 30	-7.4	-13.1		3793.0		-170	+6	1359719 541,541
K	0				5.1	-		-5.1		3801.0	K	0	0	1,359,889 541,535
6	157		308 40	-	4.7	88 10	+5.0	+0.3		3806.4		+122	-99	1360011 541,436
TP	391		301 44 09	-	2.6	87 50	+14.8	+12.2	3818.3		TP	+270	-280	1,360,160 541,255
TP	391				2.6	272 10	+14.8	+12.2			TP	-		
	737		80 17 45	+12.4	10.9	92 -	+25.7	+36.6	3854.8		BS	+35	-736	
	737			+10.8	268 -	+25.7	+36.5				BS	-		
7	655		78 -	-	6.9	92 46	-31.6	-38.5		3816.3		-5	+655	1360189 541,174
8	329		78 25	-	4.9	92 30	-14.4	-19.3		3835.5		-5	+329	1360189 540,848

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DATE	1-17-86	INSTRUMENT MAN	B. Cotamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	1	PAGE	2	
AREA	ARIZONA	TOPO MAP	LAKE MONTEZUMA-TR	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				
									3854.8										
9	0				5.1	-		-5.1		3849.7	π	0	0	1,360,194	540,519				
10	330		267 50	+12.4	7.4	87 30	+14.4	+7.0		3861.8		+59	-325	1360253	540,194				
11	657		263 50	-	6.7	87 30	+28.7	+22.0		3876.8		+71	-653	1360265	539,866				
TP	839	838.2	263 21 16	-	7.7	87 30	+36.6	+28.9		3883.7	TP	+84	-834	1,360,277	539,685				
TP	839				7.6	272 30	+36.6	+29.0			TP	-	-						
	699		71 18 21	+12.4	8.6	92 -	+24.4	+33.0			BS	-77	-694						
	699				8.5	268 -	+24.4	+32.9	3916.6		BS	-	-						
12	554		70 35	-	12.5	91 30	-14.5	-27.0		3889.6		+68	+550	1360267	539,541				
13	227		67 -	-	6.5	91 30	-5.9	-12.4		3904.2		+42	+223	1360241	539,214				
π	0				5.1	-		-5.1		3911.5	π	0	0	1,360,199	538,991				
14	101		222 15	-	6.0	87 30	+4.4	-1.6		3915.0		-58	-82	1360141	538,909				
15	426		229 40	-	9.0	86 30	+26.0	+17.0		3933.6		-200	-376	1359999	538,615				
16	727		216 55	-	8.0	86 30	+44.4	+36.4		3953.0		-474	-551	1359725	538,440				
TP	892	889.8	220 27 58	-	7.9	86 -	+62.2	+54.3		3970.9	TP	-537	-709	1,359,661	538,282				
TP	892				7.8	274 -	+62.2	+54.4			TP	-	-						
	1031		61 50 12	+12.4	12.7	89 10	-150	-2.3			BS	-280	-992						
	1031				12.6	276 50	-150	-2.4	3968.5		BS	-	-						
π	1008		60 30 54	-	3.8	89 34	+7.6	+3.8		3972.3	π	+296	+963	1,359,676	538,253				*-1359675 x -538,250 π 4 way enter
17	925		54 05	-	6.8	89 10	+13.5	+6.7		3975.2		+369	+848	1359749	538,138				
18	660		42 30	-	5.7	89 10	+9.6	+3.9		3972.4		+380	+540	1359760	537,830				

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DATE	1-17-86	INSTRUMENT MAN	B. Cotamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S.	LINE NO.	2	PAGE	3	
AREA	ARIZONA	TOPO MAP	LAKE MONTEZUMA-76	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	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									3968.5										
19	330		42° 30'	+12.4	9.9	89° 10'	+4.8	-5.1		3963.4		+190	+270	1359570	537.560				
20	0				5.1	-		-5.1		3963.4	TP	0	0	1359380	537.290				
21	330		228° 10'	-	6.2	91° 10'	-6.7	-12.9		3955.6		-167	-285	1359213	537.005				
22	660		228° -	-	12.0	91° 10'	-13.4	-25.4		3943.1		-326	-574	1359054	536.716				
TP	897		228° 37' 25"	-	10.8	91° 40'	-26.1	-36.9		3931.6	TP	-434	-784	1358945	536.506				
TP	897				10.7	268° 20'	-26.1	-36.8			TP	-	-						
	1651		64° 44' 47"	+12.4	10.7	-		+10.7			BS	-367	-1610						
	1651				10.5	270° -		+10.5	3942.2		BS	-	-						
23	1558		64° 50'	-	6.0	90° 20'	-9.1	-15.1		3927.1		+344	+1519	1358921	536.415				
24	1228		65° -	-	8.3	90° 50'	-17.9	-26.2		3916.0		+268	+1198	1358845	536.094				
25	901		64° 10'	-	12.0	91° -	-15.7	-27.7		3914.5		+209	+876	1358786	535.772				
26	574		60° 35'	-	11.1	91° -	-10.0	-21.1		3921.1		+168	+549	1358745	535.445				
27	256		47° -	-	5.9	91° -	-4.5	-10.4		3931.8		+130	+220	1358707	535.116				
TP	0				5.1	-		-5.1		3937.1	TP	0	0	1358577	534.896				
28	72		214° 55'	+12.4	5.1	-		-5.1		3937.1		-49	-53	1358528	534.843				
IF	154		213° 15' 16"	-	5.1	-		-5.1		3937.1	IF	-108	-110	1358469	534.786			IF - Inter	
29	402		214° 55'	-	4.7	90° 40'	-4.7	-9.4		3932.8		-273	-296	1358304	534.600				
30	732		- -	-	8.7	90° 40'	-8.5	-17.2		3925.0		-496	-538	1358081	534.358				
31	1062		- -	-	9.0	91° -	-18.5	-27.5		3914.7		-720	-781	1357857	534.115				
32	1392		- -	-	10.0	91° 10'	-28.3	-38.3		3903.9		-944	-1023	1357633	533.873				

1358455x-538750

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-17-86		B. Cotcamp		B. SALDIVAR		6834		BC		2		4			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		LAKE MONTEZUMA-7k		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
									3942.2						
33	1722		214° 55'	+124	9.3	91° 10'	-35.1	-44.4		3897.8		-1167	-1266	135741	533.630
34	2052		- -	-	8.9	91° -	-35.8	-44.7		3897.5		-1391	-1508	1357186	533.388
35	2382		- -	-	9.1	91° -	-41.6	-50.7		3891.5		-1615	-1751	1356962	533.145
36	2709		213° 50' 09"	-	6.4	91° -	-47.3	-53.7	-53.6	3888.6	TP	-1874	-1956	1356702	532.942
36	2709				6.1	269° -	-47.3	-53.4			TP	-	-		
	1579		45° 55' 45"	+124	9.4	89° 20'	-18.4	-9.0			BS	-829	-1344		
	1579				+9.3	270° 40'	-18.4	-9.1	3879.5		BS	-	-		
37	1299		52° 50'	-	11.6	-		-11.6		3867.9		+544	+1180	1356416	532.780
38	1020		61° 30'	-	6.3	91° -	-17.8	-24.1		3855.4		+283	+980	1356155	532.580
39	742		72° 10'	-	13.7	91° 10'	-15.1	-28.8		3850.7		+70	+739	1355942	532.339
40	421		68° 25'	-	5.9	92° 10'	-15.9	-21.8		3857.7		+67	+416	1355939	532.016
41	106		53° 20'	-	5.1	-		-5.1		3874.4		+41	+91	1355913	531.691
π	0				5.1	-		-5.1		3874.4	π	0	0	1355892	531.600
42	228		207° -	+124	10.6	92° 30'	-9.9	-20.5		3859.0		-176	-145	1355696	531.455
43	556		202° 30'	-	8.0	92° 30'	-24.3	-32.3		3847.2		-456	-318	1355416	531.282
44	882		199° -	-	6.7	92° 20'	-35.9	-42.6		3836.9		-753	-460	1355119	531.140
45	1199		193° 55'	-	4.6	92° 20'	-48.8	-53.4		3826.1		-1075	-532	1354797	531.068
46	1518		190° 30'	-	4.8	92° 10'	-57.4	-62.2		3817.3		-1398	-591	1354474	531.009
47	1842		188° 12'	-	15.2	91° 50'	-58.9	-74.1		3805.4		-1724	-648	1354148	530.952
48	2169		187° -	-	6.0	92° -	-75.7	-81.7		3797.8		-2046	-720	1353826	530.880

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DATE	1-17-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	BC	LINE NO.	2	PAGE	5	
AREA	ARIZONA	TOPO MAP	Lake Montezuma-74	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	
									3879.5							
49	2498		186° 15'	+124	9.3	91° 44'	-75.6	-84.9		3794.6		-2367	-799	1353505	530.801	
TP	2603	2601.8	186° 13' 52"	-	5.9	91° 44'	-78.7	-84.6	-24.5	3795.0	TP	-2465	-831	1353406	530.771	
TP	2603				5.6	268° 16'	-78.7	-84.3		TP			-1	+2		
	1861		15° 34' 24"	-	8.4	88° 40'	-43.3	-34.9	3760.1		BS	-1643	-873			
	1861				8.3	271° 20'	-43.3	-35.0		BS			-1	+2		
50	1646		16° 20'	-	6.2	88° 54'	+31.6	+25.4		3785.5		+1443	+791	1353205	530.691	
51	1317		15° 25'	-	6.7	89° 14'	+17.6	+10.9		3771.0		+1165	+615	1352927	530.515	
52	988		15° 04'	-	9.5	89° 12'	+13.8	+4.3		3764.4		+877	+456	1352639	530.356	
53	660		14° 50'	-	6.3	88° 48'	+13.8	+7.5		3767.6		+587	+302	1352349	530.202	
54	330		-	-	6.3	88° 22'	+9.4	+3.1		3763.2		+293	+151	1352055	530.051	
55	0		-	-	5.1	-		-5.1		3755.0	π	0	0	1351762	529.900	
56	330		185° -	+124	6.4	92° 30'	-14.4	-20.8		3739.3		-315	-99	1351447	529.801	
57	660		185° 35'	-	5.3	92° 50'	-32.6	-37.9		3722.2		-628	-204	1351134	529.696	
58	989		186° 32'	-	4.3	92° 50'	-48.9	-53.2		3706.9	1/2	-935	-321	1350827	529.579	
59	1318		187° 30'	-	6.4	92° 20'	-53.7	-60.1		3700.0		-1239	-449	1350523	529.451	
60	1633		190° 40'	-	6.0	92° 06'	-59.8	-65.8		3694.3		-1502	-640	1350260	529.260	
61	1924		195° 50'	-	4.8	91° 56'	-64.9	-69.7		3690.4		-1695	-910	1350067	528.990	
62	2247		195° 50'	-	5.6	91° 44'	-68.0	-73.6		3686.5		-1980	-1063	1349782	528.837	
63	2571		194° 35'	-	6.0	91° 40'	-74.8	-80.8		3679.3		-2291	-1167	1349471	528.733	

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DATE	1-17-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	2	PAGE	6	
AREA	ARIZONA	TOPO MAP	Lake Montezuma-A-7E	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			
									3760.1									
64	2894	2893.0	195° 36' 03"	+124	8.2	91° 32'	-77.4	-85.6	3553	3674.6	TP	-2557	-1354	1349,204	528,548			
64	2894				7.9	268° 28'	-77.4	-85.3		TP			-1	+2				
	1964		27° 33' 34"	-	+9.1	89° 10'	-28.6	-19.5	3655.1		BS	-1505	-1261					
	1964				+9.0	270° 50'	-28.6	-19.6		BS			-1	+2				
65	1635		27° 25'	-	6.5	89° 30'	+14.3	+7.8		3662.9		+1256	+1047	1348954	528,336			
66	1308		26° -	-	16.4	89° 48'	+4.6	-11.8		3643.3		+1025	+812	1348723	528,101			
67	984		28° -	-	6.0	90° 14'	-4.0	-10.0		3645.1		+749	+638	1348447	527,927			
68	657		31° 50'	-	5.8	90° 46'	-8.8	-14.6		3640.5		+471	+458	1348169	527,747			
69	330		35° 50'	-	6.3	91° 24'	-8.1	-14.4		3640.7		+220	+246	1347918	527,535			
70	0				5.1	-		-5.1		3650.0	X	0	0	1,347,698	527,289			
71	330		217° 45'	+124	5.1	90° 40'	-3.8	-8.9		3646.2		-211	-253	1347481	527,036			
72	660		219° 30'	-	6.2	90° 56'	-10.8	-17.0		3638.1		-407	-519	1347291	526,770			
TP	850		220° 59' 30"	-	12.2	96° 36'	-8.9	-21.1	3634.0		TP	-507	-682	1,347,190	526,609			
TP	850				12.1	267° 24'	-8.9	-21.0		TP			-1	+2				
	466		42° 30' 28"	-	+5.2	88° 30'	-12.2	-7.0	3627.0		BS	-268	-381					
	466				+5.1	271° 30'	-12.2	-7.1		BS			-1	+2				
73	329		39° 30'	-	5.0	88° 30'	+8.6	+3.6		3630.6		+203	+259	1347124	526,489			
74	0				5.1	-		-5.1		3621.9	X	0	0	1,346,921	526,230			
75	329		192° 40'	-	4.1	93° 20'	-19.1	-23.2		3603.8		-298	-139	1346623	526,091			

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DATE	1-17-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.	LINE NO.	2	PAGE	7	
AREA	ARIZONA	TOPO MAP	LAKE MONTEZUMA-76	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	
									3627.0							
76	660	659.4	191° 19' 52"	+12.4	5.1	92° 30'	-28.8	-33.9		3593.1	TP	-604	-265	1,346.316	525.967	
76	660				5.0	267° 30'	-28.8	-33.8			TP	-1	+2			
	3298		32° 50' 52"	-	5.2	TH	-16.5	-11.3	11.7 3581.4		BS	-2322	-2342			
	3298				4.9	TH 20'	-16.5	-12.0			BS	-2	+2			
71	3195		33° 06' 36"	-	7.8	TH	+16.0	+8.2		3589.6	71	+2239	+2279	1,346.231	525.906	g-1,346.195 x-525.905 71 T-Inter.
77	2970		32° 56'	-	6.0	89° 52'	+6.9	+0.9		3582.3		+2088	+2112	1346.080	525.739	
78	2640		- -	-	6.2	89° 58'	+1.5	-4.7		3576.7		+1856	+1878	1345848	525.505	
79	2310		- -	-	6.0	90° 04'	-2.7	-8.7		3572.7		+1624	+1643	1345616	525.270	
80	1980		- -	+12.4	4.7	90° 06'	-3.5	-8.2		3573.2		+1392	+1408	1345384	525.035	
81	1650		32° 56'	-	6.3	90° 08'	-3.8	-10.1		3571.3		+1160	+1173	1345152	524.800	
82	1320		- -	-	5.4	90° 20'	-7.7	-13.1		3568.3		+928	+939	1344920	524.566	
83	990		- -	-	5.7	90° 20'	-5.8	-11.5		3569.9		+696	+704	1344688	524.331	
84	660		- -	-	5.4	90° 50'	-9.6	-15.0		3566.4		+464	+469	1344456	524.096	
85	330		- -	-	6.3	91° 30'	-8.6	-14.9		3566.5		+232	+235	1344224	523.862	
86	0		0		5.1	-	-	-5.1		3576.3	X	0	0	1,343,992	523,627	
87	330		213° 25'	+12.4	7.5	-	-	-7.5		3573.9		-230	-237	1343762	523,390	
88	660		214° 10'	-	4.8	-	-	-4.8		3576.6		-454	-479	1343538	523,148	
89	947		224° 40'	-	6.3	89° 30'	+8.3	+2.0		3583.4		-515	-795	1343477	522,832	
90	1233		233° 18' 42"	-	10.5	88° 40'	+28.7	+18.2		3599.6	TP	-507	-1124	1,343,483	522,505	
90	1233				10.4	271° 20'	+28.7	+18.3			TP	-2	+2			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-17-86	INSTRUMENT MAN	B. Lotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.	LINE NO.	2	PAGE	8	
AREA	ARIZONA	TOPO MAP	LAKE MONTEZUMA-74	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			
										3599.6								
	984		79° 12' 48"	+12.4	+9.0	91° 30'	+25.8	+34.8	3634.4		BS	+28	-983					
	984			+8.9	268° 30'	+25.8	+34.7			BS	-2	+2						
91	654		79° 10'	-	5.4	91° 34'	-17.9	-23.3		3611.1		-18	+654	1343491	522.178			
92	325		78° 30'	-	6.2	91° 50'	-10.4	-16.6		3617.8		-5	+325	1343504	521.849			
93	0				5.1	-		-5.1		3629.3	X	0	0	1,343,509	521,524			
94	330		249° -	-	4.8	89° 50'	+1.0	-3.8		3630.6		-49	-326	1343460	521.198	X - Country ↓		
95	656	656.0	254° 26' 24"	-	9.6	86° 50'	+36.2	+26.6		3661.0	TP	-36	-654	1,343,471	520,872			
95	656				9.5	273° 10'	+36.2	+26.7			TP	-2	+2					
											BS							
											BS							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-18-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	2	PAGE	9	
AREA	ARIZONA	TOPO MAP	LAKE MONTEZUMA-7 1/2	STATE	ARIZ.	COUNTY	YAVAPAI	TWP		RANGE		PPM	PARTY MANAGER	J. M. Cleaves

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	
										3661.0						
	792		76° 31' 30"	+12.4	9.2	91° 30'	+20.7	+29.9	3690.9		BS	-15	-792			
	792				9.1	268° 30'	+20.7	+29.8		BS	-2	+2				
96	464		74° 50'	-	14.8	91° 30'	-12.1	-26.9		3664.0		+22	+463	1343476	520.545	-
97	135		-	-	6.3	91° 30'	-3.5	-9.8		3681.1		+7	+135	1343461	520.217	-
K	0				5.1	-		-5.1		3685.8	K	0	0	1,343,454	520.082	↓
98	195		244° 50'	+12.4	4.9	91° 30'	-5.1	-10.0		3680.9		-43	-190	1343411	519.892	BACK ON ROAD
99	490		223° 20'	-	5.3	91° 30'	-12.8	-18.1		3672.8		-276	-405	1343178	519.677	
100	816		218° 45'	-	4.3	91° 30'	-21.4	-25.7		3665.2		-512	-635	1342942	519.447	
101	1144		217° 04' 50"	-	11.9	91° -	-20.0	-31.9	317 1/2	3659.2	TP	-743	-870	1,342,709	519,214	
101	1144		217° -	-	4.8	91° 20'	-26.6	-31.4		TP	-2	+2				
	1468	1467.4	63° 52' 58"	-	9.6	91° 40'	+42.7	+52.3	52,2337114		BS	-348	-1426			
	1468				9.3	268° 20'	+42.7	+52.0		BS	-2	+2				
4 1/2	1430		65° 07' 45"	+12.4	6.0	91° 50'	-45.7	-51.7		3659.7	4 1/2	+309	+1396	1,342,668	519.186	4 1/2 1,342,650 x - 519,180 4 way
102	1182		70° 50'	-	5.8	92° 44'	-56.4	-62.2		3649.2		+139	+1174	1342498	518.964	
103	863		74° 35'	-	4.9	94° 10'	-62.7	-67.6		3643.8		+45	+862	1342404	518.652	
104	536		72° 25'	-	5.2	95° 20'	-49.8	-55.0		3656.4		+48	+534	1342407	518.324	
105	231		52° 50'	-	5.8	97° -	-28.2	-34.0		3677.4		+97	+210	1342456	518.000	
K	0				5.1	-		-5.1		3706.3	K	0	0	1,342,359	517.790	
106	207		314° 30'	-	5.2	95° -	-18.0	-23.2		3688.2		+173	-113	1342532	517.677	
107	485		282° 20'	-	5.8	93° 10'	-26.8	-32.6		3678.8		+203	-441	1342562	517.349	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 1-18-86	INSTRUMENT MAN B. Cotcamp	ROD MAN B. SALDIVAR	PARTY NUMBER 6834	NOTES CHECKED BY B.S	LINE NO. 2	PAGE 10
AREA ARIZONA	TOPO MAP LAKE MONTEZUMA	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			
									3711.4									
108	788		270 25'	+12.4	4.8	91 38'	-22.5	-27.3		3684.1		+175	-768	1342534	517,022			
109	1073		260 50'	-	6.3	89 56'	+1.2	-5.1		3706.3		+61	-1071	1342420	516,719			
110	1346		252 15'	-	5.7	89 10'	+19.6	+13.9		3725.3		-126	-1340	1342233	516,450			
111	1665		252 13'	-	5.3	88 50'	+33.9	+28.6		3740.0		-156	-1658	1342283	516,132			
TP	1969	198.3	251 13 06'	-	6.3	88 30'	+51.5	+45.2		3756.7	TP	-219	-1956	1,342,139	515,835			
TP	1969				6.0	271 30'	+51.5	+45.5	+45.3		TP	-1	+1					
	562		15 53 44'	+12.4	10.0	88 -	-19.6	-9.6	3747.1		BS	-495	-266					
	562				9.9	272 -	-19.6	-9.7			BS	-2	+1					
112	520		17 55'	-	5.5	88 48'	+10.9	+5.4		3752.5		+449	+262	1342891	515,832			
113	191		7 30'	-	5.7	89 40'	+1.1	-4.0		3743.1		+180	+65	1341822	515,635			
π	0				5.1	-		-5.1		3742.0	π	0	0	1,341,642	515,570			
114	138		191 -	-	6.2	92 10'	-5.2	-11.4		3735.7		-127	-55	1341515	515,515			
Δ	1186		124 53, 21'	-	9.5	91 -	-20.6	-30.1		3717.0	Δ	-867	+800	1,340,775	516,370			
115	469	468.9	187 19 22'	-	10.6	91 10'	-9.5	-20.1		3727.0	TP	-441	-158	1341261	515,412			
115	469				10.5	268 50'	-9.5	-20.0			TP							

1,340,775 x - 516,370
 U.S.D.A. Beaverton
 TRISTATION
 EL. 3717.0
 Montz y - 37
 CORR. x - 134

L

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 1-20-86	INSTRUMENT MAN B. Cotcamp	ROD MAN B. SALDIVAR	PARTY NUMBER 6834	NOTES CHECKED BY B.S	LINE NO. 2	PAGE 11
AREA ARIZONA	TOPO MAP LAKE MONTEZUMA-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			
									3727.0									
	1419	1418.4	3 33 40	+12.5	8.8	88 20	-41.3	-32.5	3694.5		BS	-1363	-392					
	1419				8.7	271 40	-41.3	-32.6		BS								
116	1094		2 15	-	5.2	88 56	+20.4	+15.2	3709.7			+ 1058	+ 279	1,340.896	515.299			
117	766		1 05	-	5.4	89 20	+8.9	+3.5	3698.0			+ 715	+ 180	1,340.583	515.200			
118	436		0 50	-	6.0	89 40	+2.5	-3.5	3691.0			+ 424	+ 101	1,340.262	515.121			
119	106		- -	-	5.3	89 40	+0.6	-4.7	3689.8			+ 103	+ 24	1,339.941	515.044			
Σ	0				5.1	-		-5.1	3689.4		TP	0	0	1,339.838	515.020			
120	227		201 30	+12.5	5.3	92 30	-9.9	-15.2	3679.3			- 188	-127	1,339.650	514.893			
121	554		198 20	-	5.8	92 50	-27.4	-33.2	3661.3			- 476	-284	1,339.362	514.736			
122	883		197 35	-	5.9	91 30	-23.1	-29.0	3665.5			- 764	-443	1,339.074	514.577			
TP	1069		198 26 34	-	4.8	91 10	-21.8	-26.6	3668.0		TP	-917	-550	1,338.921	514.470			
TP	1069				4.7	268 50	-21.8	-26.5		TP								
	1429		24 57 32	+12.5	5.2	-		+5.2	3673.2		BS	-1134	-869					
	1429				5.1	270		+5.1		BS								
123	1285		24 56	-	5.6	90 20	-7.5	-13.1	3660.1			+ 1022	+ 779	1,338.809	514.380			
124	956		24 25	-	6.2	91	-16.7	-22.9	3650.3			+ 764	+ 574	1,338.551	514.175			
125	627		24 10	-	5.9	90 40	-7.3	-13.2	3660.0			+ 503	+ 374	1,338.290	513.975			
126	297		23 30	-	5.2	90 40	-3.5	-8.7	3664.5			+ 240	+ 175	1,338.027	513.776			
Σ	59		32 34 34	-	4.8	88 48	+1.2	-3.6	3669.6			+42	+42	1,337.829	513.643			
Σ	0				5.1	-		-5.1	3668.1		TP	0	0	1,337.787	513.601			

y = 1,337,800 x = 513,600
1/4" = 1 meter.

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	1-20-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	2	PAGE	12	
AREA	ARIZONA	TOPO MAP	LAKE MONTEZUMA-76	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				
									3673.2										
127	35		186° -	+125	5.0	-		-5.0		3668.2		-33	-11	1,337,754	513,590				
128	365		191° -	-	5.1	89° 34'	+2.8	-2.3		3670.9		-335	-146	1,337,452	513,455				
129	693		188° 40'	-	6.2	89° -	+12.1	+5.9		3679.1		-644	-250	1,337,141	513,351				
130	1019		185° 40'	-	6.3	88° 40'	+23.7	+17.4		3690.6		-968	-318	1,336,819	513,283				
11	1220		185° 04' 36"	-	10.8	88° 20'	+35.5	+24.7		3697.9	11	-1163	-368	1,336,624	513,233	11	1,336,600	X-513,225	T-Inter.
131	1348		185° 34' 24"	-	8.2	88° 40'	+31.4	+23.2			TP	-1281	-418	1,336,506	513,183				
131	1348				8.1	271° 20'	+31.4	+23.3		3696.5	TP								
	903		8° 16' 28"	+125	11.0	BH	+4.5	+15.5	3712.0		BS	-844	-320						
	903				10.9	BH 20'	+4.5	+15.4			BS								
132	572		6° 20'	-	4.9	90° 30'	-5.0	-9.9		3702.1		+541	+185	1,336,203	513,048				
133	245		9° 10'	-	5.3	90° 30'	-2.1	-7.4		3704.6		+228	+90	1,335,896	512,953				
π	0				5.1	-		-5.1		3706.9	π	0	0	1,335,662	512,863				
134	88		214° 25'	-	5.4	90° 30'	-0.8	-6.2		3705.8		-60	-64	1,335,602	512,799			LAKE MONTEZUMA-76	
TP	315		217° 37' 20"	-	9.8	-		-9.8			TP	-202	-242	1,335,460	512,621				
TP	315			-	9.7	270° -		-9.7		3702.3	TP								
	497		44° 46' 38"		+13.5	BH	+2.5	+16.0	3718.3		BS	-269	-418						
	497				+13.4	BH 20'	+2.5	+15.9			BS								
135	398		41° 20'		4.3	92° 20'	-16.2	-20.5		3697.8		+235	+321	1,335,424	512,524			CORNVILLE-76	
136	75		29° 40'	-	6.3	92° 20'	-3.1	-9.4		3708.9		+56	+50	1,335,247	512,253				
π	0				5.1	-		-5.1		3713.2	π	0	0	1,335,191	512,203				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO.-445

Geosource Inc.

DATE	1-20-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S.	LINE NO.	2	PAGE	13	
AREA	ARIZONA	TOPO MAP	CORNVILLE - 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 A TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
									3718.3									
137	251		216 50	+12.5	6.5	92 20	-10.2	-16.7		3701.6		-164	-190	1,335.027	512,013			
138	579		217 30	-	4.9	92 -	-20.2	-25.1		3693.2		-372	-444	1,334.819	511,759			
139	905		216 04 36	-	5.7	91 20	-21.1	-26.8			TP	-599	-678	1,334.592	511,525			
139	905				5.6	268 40	-21.1	-26.7		3691.6	TP							
	676		52 55 04	-	+12.9	91 -	+11.8	+24.7	3716.3		BS	-281	-615					
	676				+12.8	269 -	+11.8	+24.6			BS							
140	352	350.8	52 55	+12.5	6.3	94 44	-29.0	-35.3		3681.0		+146	+319	1,334.457	511,229			
141	107	105.7	343 55	-	5.6	98 54	-16.6	-22.2		3694.1		+105	-7	1,334.416	510,903			
A	0				5.1	-		-5.1		3711.2	A	0	0	1,334.311	510,910			
142	273	270.6	232 13	-	6.0	97 40	-36.4	-42.4		3673.9		-116	-245	1,334.195	510,665			
143	598	596.4	226 55	-	4.9	94 14	-44.1	-49.0		3667.3		-303	-513	1,334.008	510,397			
144	923	921.9	225 50	-	6.0	92 48	-45.1	-51.1		3665.2		-484	-785	1,333.827	510,125			
145	1248		226 40	-	4.8	92 -	-43.6	-48.4		3667.9		-640	-1072	1,333.671	509,838			
TP	1441		225 55 05	-	11.6	91 20	-33.5	-45.1			TP	-754	-1227	1,333.557	509,683			
TP	1441				11.5	268 40	-33.5	-45.0		3671.3	TP							
	843		76 05 46	+12.5	7.6	89 -	-14.7	-7.1	3664.2		BS	-21	-843					
	843				7.5	271 -	-14.7	-7.2			BS							
146	722		72 15	-	6.4	89 06	+11.3	+4.9		3669.1		+66	+719	1,333.602	509,559			
147	478		53 40	-	6.3	89 -	+8.3	+2.0		3666.2		+193	+437	1,333.729	509,277			
148	203		32 10	-	5.0	90 30	-1.8	-6.8		3657.4		+144	+143	1,333.680	508,983			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-20-86		B. Cotcamp		B. SALDIVAR		6834		B.S		2		15			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		CORN VILLE-7 1/2		ARIZ.		YAVAPAI								J. McCLELLAN	
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
									3590.3						
157	451		322 40	+12.5	5.8	87 -	+23.6	+17.8		3608.1		+ 409	-189	1,331,793	507,792
IF	281		327 25 28	-	5.0	88 -	+9.8	+4.8		3595.1	IF	+264	-96	1,331,648	507,885
158	121		328 55	-	5.9	88 -	+4.2	-1.7		3588.6		+ 115	-39	1,331,499	507,942
π	0				5.1	-		-5.1		3585.2	π	0	0	1,331,384	507,981
159	169	114.7	193 -	+12.5	4.9	103 -	-38.0	-42.9		3547.4		-149	-71	1,331,235	507,910
160	488	485.2	198 -	-	6.0	96 10	-52.4	-58.4		3531.9		- 418	-246	1,330,966	507,735
161	806	803.7	204 55	-	5.7	94 20	-60.9	-66.6		3523.7		-638	-488	1,330,746	507,493
TP	1106	1104.3	207 10 30	-	11.3	93 10	-61.1	-72.4			TP	-850	-705	1,330,534	507,276
TP	1106				11.2	206 50	-61.1	-72.3		3518.0	TP				
	1008		40 37 46	+12.5	6.9	88 40	-23.5	-16.6		3501.4	BS	-605	-806		
	1008				6.8	291 20	-23.5	-16.7			BS				
162	988		37 25	-	7.0	89 -	+17.2	+10.2		3511.6		+ 636	+756	1,330,565	507,226
163	665		40 25	-	6.7	89 -	+11.6	+4.9		3506.3		+ 401	+531	1,330,330	507,001
164	348		36 10	-	5.2	90 30	-3.0	-8.2		3493.2		+ 230	+261	1,330,159	506,731
π	0				5.1	-		-5.1		3496.3	π	0	0	1,329,929	506,470
165	29		4 -	-	4.3	98 30	-4.3	-8.6		3492.8		+ 28	+ 8	1,329,957	506,478
166	310		245 30	-	5.1	92 10	-11.7	-16.8		3484.6		-64	-303	1,329,865	506,167
167	594		264 53 57	-	6.4	92 08	-22.1	-28.5			TP	+76	-589	1,330,005	505,881
167	594				6.3	267 52	-22.1	-28.4		3473.0	TP				

Y-1,331,700 X-507,815
T-Inter.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-20-86		B. Cotcamp		B. SALDIVAR		6834		B.S.		2		16			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		CORNVILLE-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
									3473.0						
	947		43° 59' 03"	+12.5	2.4	88° 20'	-27.5	-25.1	3447.9		BS	-523	-789		
	947				+2.3	271° 40'	-27.5	-25.2		BS					
168	650		40° 30'	-	10.8	90° 24'	-4.5	-15.3	3432.6			+391	+519	1,329,873	505,611
169	335		46° 10'	-	4.9	94° 10'	-24.3	-29.2	3418.7			+174	+286	1,329,656	505,378
170	133		330° 38'	-	4.9	164° 36'	-33.5	-38.4	3409.5			+127	-39	1,329,609	505,053
TP	0				5.1	-	-	-5.1	3442.8		TP	0	0	1,329,482	505,092
171	308		242° 50'	+12.5	6.0	95° 28'	-29.3	-35.3	3412.6			-78	-298	1,329,404	504,794
172	620		239° 40'	-	4.9	91° 50'	-19.8	-24.7	3423.2			-190	-590	1,329,292	504,502
TP	900		238° 22' 24"	-	11.8	90° 24'	-6.3	-18.1	3429.9		TP	-295	-850	1,329,187	504,242
TP	900				11.7	269° 36'	-6.3	-18.0		TP					
	122		23° 39' 03"	-	+1.7	-		+1.7	3431.6		BS	-99	-72		
	122				+2.3	TH	-0.6	+1.7		BS					
173	72		15° 40'	-	2.7	-		-2.7	3428.9			+63	+34	1,329,151	504,204
TP	0				5.1	-		-5.1	3426.5		TP	0	0	1,329,088	504,170
174	257		187° 37' 40"	-	6.5	92°	-9.0	-15.5	3416.1		TP	-241	-88	1,328,847	504,082
174	257				6.5	268°	-9.0	-15.5		TP					
	1264	1260.9	12° 02' 04"	+12.5	6.2	86°	-88.2	-82.0	3334.1		BS	-1147	-524		
	1264				+6.1	274°	-88.2	-82.1		BS					
175	950	947.9	17° 05'	-	5.8	86° 10'	+63.5	+57.7	3391.8			+824	+468	1,328,524	504,026
176	646	645.3	20° 55'	-	5.8	87° 16'	+30.8	+25.0	3359.1			+539	+355	1,328,239	503,913

SURVEY NOTES-HIGH RESOLUTION DATA

GEO.-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
1-20-86		B. Cotamp		B. SALDIVAR		6834		B.S		2	17			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
ARIZONA		CORNVILLE-7/2		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.	
									3334.1					
177	326		11'	+12.5	6.0	88'	+11.4	+5.4		3339.5		+299	+130	1,327.999 503.688
178	0				5.1	-		-5.1		3329.0	π	0	0	1,327.700 503.558
179	330		174 10	-	4.7	92'	-11.5	-16.2		3317.9		-328	-38	1,327.372 503.520
180	660		174 - , -	-	4.0	92'	-23.0	-27.0		3307.1		-656	-75	1,327.044 503.483
181	989	988.4	173 52 04	-	7.0	92'	-34.5	-41.5			TP	-982	-110	1,326.718 503.448
181	989				6.9	268'	-34.5	-41.4		3292.7	TP			
	2443	2440.4	1 29 28	+12.5	2.2	88 20'	-113.7	-111.5	-116.3 3181.1		BS	-2368	-590	
	2443				1.9	272 40'	-113.7	-111.8			BS			
182	2114	2112.8	2 05	-	6.0	88 02'	+72.5	+66.5		3247.6		+2045	+532	1,326.395 503.390
183	1785	1784.4	2 50	-	5.6	88 30'	+46.7	+41.1		3222.2		+1721	+472	1,326.071 503.330
184	1456		- - ,	-	6.4	88 52'	+28.8	+22.4		3203.5		+1404	+385	1,325.754 503.243
185	1126		2 35	-	5.9	89 -	+19.7	+13.8		3194.9		+1087	+293	1,325.437 503.151
186	796		- -	-	6.3	89 06'	+12.5	+6.2		3187.3		+769	+207	1,325.119 503.065
187	466		- -	-	6.0	89 30'	+4.1	-1.9		3179.2		+450	+121	1,324.800 502.979
188	136		- -	-	5.9	89 30'	+1.2	-4.7		3176.4		+131	+35	1,324.481 502.893
π	0				5.1	-		-5.1		3176.0	π	0	0	1,324.350 502.858
π	28		160, 15 36	+12.5	5.0	89 30'	+0.2	-4.8		3176.3	π	-28	+4	1,324.322 502.862
189	1430		255, 57'	-	6.4	90 04'	-1.7	-8.1		3173.0		-39	-1429	1,324.311 501.429
190	1485		243 07	-	6.2	90 16'	-6.9	-13.1		3168.0		-369	-1438	1,323.981 501.420

NOTE - 1500' offset west between 188-189
 y=1324.335x-502.810
 π T-inter

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-20-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	2	PAGE	19	
AREA	ARIZONA	TOPO MAP.	CORNVILLE-7k'	STATE	ARIZ.	COUNTY	YAVAPI	TWP		RANGE		PPM	PARTY MANAGER	J. McELLEMAN

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.	
									3205.9					
202	1320		11 16	+12.5	6.2	90° 40'	-15.4	-21.6		3184.3		+1208	+532	1,320,163 500,963
203	990		- -	-	6.2	90° 44'	-12.7	-18.9		3187.0		+906	+399	1,319,861 500,830
204	660		- -	-	5.9	90° 44'	-8.4	-14.3		3191.6		+604	+266	1,319,559 500,697
205	330		- -	-	5.7	90° 44'	-4.2	-9.9		3196.0		+302	+133	1,319,257 500,564
206	0		.		5.1	-		-5.1		3200.8	X	0	0	1,318,955 500,431 CORNVILLE 7k'
207	330		191 12	+12.5	5.7	89° -	+5.8	+0.1		3206.0		-302	-133	1,318,653 500,298 MIDDLE verde 7k'
208	660		- -	-	6.5	89° -	+11.5	+5.0		3210.9		-604	-265	1,318,351 500,166
209	990		- -	-	3.9	89° 10'	+14.4	+10.5		3216.4		-907	-398	1,318,048 500,033
210	1320		- -	-	5.3	89° 04'	+21.5	+16.2		3222.1		-1209	-531	1,317,746 499,900
TP	1572		196 18 28	+12.4	4.2	89° 04'	+25.6	+21.4			TP	-1450	-607	1,317,505 499,824
TP	1572		.		4.1	270 56'	+25.6	+21.5		3227.4	TP			
	2087	2086.3	322 23 38	-	+11.4	91° 30'	+54.6	+66.0			BS	-1888	+889	
	2087		.		+11.5	268 36'	+54.6	+66.1	32935		BS			
211	2024	2023.1	321 11	+12.4	6.4	91° 40'	-58.9	-65.3		3228.2		+1812	-900	1,317,429 499,813
1k	1802	1801.2	316 19 38	-	6.0	91° 40'	-52.4	-58.4		3235.1	1k	+1540	-935	1,317,157 499,778 1k 4-1,317,150 x 499,805 1-2 enter.
212	1749	1748.2	316 06	-	6.3	91° 42'	-51.9	-58.2		3235.3		+1491	-913	1,317,108 499,800
213	1420	1419.2	- -	-	5.0	91° 56'	-47.9	-52.9		3240.6		+1210	-742	1,316,827 499,971
214	1090	1089.1	316 27	-	6.3	92° 20'	-44.4	-50.7		3242.8		+932	-563	1,316,549 500,150
215	761	760.0	319 20	-	6.3	92° 54'	-38.5	-44.8		3248.7		+656	-383	1,316,273 500,330
216	432	431.3	319 -	-	5.9	93° 10'	-23.9	-29.8		3263.7		+379	-206	1,315,996 500,507

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-21-86	INSTRUMENT MAN	B. Cotamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	2	PAGE	20	
AREA	ARIZONA	TOPO MAP	MIDDLE VERDE - 7 1/2	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	
									3293.5							
217	103		315° 45'	+12.4	4.8	93° 10'	-5.7	-10.5		3283.0		+87	-54	1,315.704	500,659	
TP	0				5.1	-		-5.1		3288.4	TP	0	0	1,315.617	500,713	
218	230		152° 40'	-	5.1	89° 32'	+1.9	-3.2		3290.3		-222	+59	1,315.395	500,772	
219	559		150° 12'	-	5.8	89° 40'	+3.3	-2.5		3291.0		-533	+167	1,315.084	500,880	
220	889		149° 30'	-	3.2	-		-3.2		3290.3		-845	+276	1,314.772	500,989	
221	1219		149° 20'	-	14.1	-		-14.1		3279.4		-1158	+382	1,314.459	501,095	
222	1548		149° 10'	-	15.0	-		-15.0		3278.5		-1469	+489	1,314.148	501,202	
Bm	1829		149° 23' 32"	-	4.0	-		-4.0		3289.5	Bm	-1737	+572	1,313.880	501,285	AMD 1967 EL. 3289.5
223	1877		148° 50'	-	4.6	-		-4.6		3288.9		-1777	+604	1,313.870	501,317	
224	2206		-	-	4.9	-		-4.9		3288.6		-2089	+710	1,313.528	501,423	
225	2535		149° 46'	-	13.0	89° 50'	+7.4	-5.6			TP	-2413	+776	1,313.204	501,489	
225	2535				12.9	270° 10'	+7.4	-5.5		3288.0	TP					
	479		20° 49' 45"	+12.4	12.1	91° -	+8.4	+20.5	3308.5		BS	-401	-262			
	479				12.0	269° -	+8.4	+20.4			BS					
226	173		32° 50'	-	6.2	91° 20'	-4.0	-10.2		3298.3		+122	+123	1,312.925	501,350	
TP	0				5.1	-		-5.1		3303.4	TP	0	0	1,312,803	501,227	
227	152		245° 25'	-	5.8	88° 40'	+3.5	-2.3		3306.2		-32	-149	1,312,771	501,078	
228	482		-	-	5.1	89° -	+8.4	+3.3		3311.8		-102	-471	1,312,701	500,756	
229	812		-	-	4.1	88° 50'	+16.5	+12.4		3320.9		-171	-794	1,312,632	500,433	
230	1142		-	-	4.3	88° 50'	+23.3	+19.0		3327.5		-241	-1116	1,312,562	500,111	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-21-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S.	LINE NO.	2	PAGE	21	
AREA	ARIZONA	TOPO MAP	Middle Verde - 7 1/2	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			
									3308.5									
231	1472		245° 25'	+12.4	5.6	88° 50'	+38.0	+24.4		3332.9		-311	-1439	1,312,492	499,788			
232	1802		-	-	5.7	88° 46'	+38.8	+33.1		3341.6		-380	-1761	1,312,423	499,466			
233	2131		245° 07 54	-	6.2	88° 46'	+45.9	+39.7			TP	-460	-2080	1,312,343	499,147			
233	2131				6.1	271° 14'	+45.9	+39.8		3348.3	TP							
	1971		46° 14 51	+12.7	10.6	91° 10'	+40.1	+50.7	3399.0		BS	-1016	-1688					
	1971				10.5	268° 50'	+40.1	+50.6			BS							
234	1649		43° 54'	-	6.0	91° 22'	+39.3	-45.3		3353.7		+908	+1377	1,312,235	498,836			
235	1319		43° 10'	-	5.8	91° 30'	-34.5	-40.3		3358.7		+740	+1092	1,312,067	498,551			
236	990		43° 20'	-	4.7	91° 30'	-25.9	-30.6		3368.4		+553	+821	1,311,886	498,280			
237	660		44° 50'	-	5.2	91° 40'	-19.2	-24.4		3374.6		+354	+557	1,311,681	498,016			
238	330		46° 35'	-	5.4	91° 40'	-9.6	-15.0		3384.0		+169	+284	1,311,496	497,743			
239	0				5.1	-		-5.1		3393.9	λ	0	0	1,311,327	497,459			
240	330		227° 45'	+12.7	6.4	88° 50'	+6.7	+0.3		3399.3		-163	-287	1,311,164	497,172			
241	660		227° 30'	-	6.1	89° 06'	+10.4	+4.3		3403.3		-328	-573	1,310,999	496,886			
242	990		227° -	-	4.6	89° 06'	+15.6	+11.0		3410.0		-499	-855	1,310,828	496,604			
243	1320		226° 25'	-	5.5	88° 44'	+29.2	+23.7		3422.7		-678	-1133	1,310,649	496,326			
244	1648		226° 46 36	-	5.2	88° 50'	+33.6	+28.4			TP	-837	-1419	1,310,490	496,040			
244	1648				5.1	271° 10'	+33.6	+28.5		3427.5	TP							
	2625	2624.2	60° 09 26	+7.4	91° 24'		+64.1	+71.5	3499.0		BS	-774	-2508					
	2625			+7.3	268° 36'		+64.1	+71.4			BS							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-21-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	2	PAGE	22	
AREA	ARIZONA	TOPO MAP	Middle Verde-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	
									3499.0							
245	2298	2271.2	59° 20'	+12.7	6.0	91° 32'	-61.5	-67.5		3431.5		+709	+2185	1,310,425	495,717	
246	1973	1972.3	57° 45'	-	5.8	91° 30'	-51.6	-57.4		3441.6		+660	+1859	1,310,376	495,391	
247	1645	1644.4	56° 40'	-	6.0	91° 34'	-45.0	-51.0		3448.0		+579	+1539	1,310,295	495,071	
#	1794		57° 21' 00"	-	11.9	91° 20'	-41.7	-53.6		3445.4	#	+612	+1686	1,310,328	495,218	# y - 1,30,410 x - 495,300
248	1318		57° 55'	-	6.4	91° 44'	-39.4	-46.3		3452.7		+437	+1243	1,310,153	494,775	
249	990		59° 08'	+12.7	6.3	91° 50'	-31.7	-38.0		3461.0		+309	+941	1,310,025	494,473	
250	660		-	-	6.1	91° 50'	-21.1	-27.2		3471.8		+206	+627	1,309,922	494,159	
251	330		-	-	5.9	91° 50'	-10.6	-16.5		3482.5		+103	+314	1,309,819	493,846	
252	0				5.1	-		-5.1		3493.9	TP	0	0	1,309,716	493,532	
253	330		239° 25'	+12.7	4.8	88° 10'	+10.6	+5.8		3504.8		-101	-314	1,309,615	493,218	
254	660		-	-	5.9	88° 10'	+21.1	+15.2		3514.2		-203	-628	1,309,513	492,904	
255	990		-	-	6.1	88° 10'	+31.7	+25.6		3524.6		-304	-942	1,309,412	492,590	
256	1320	1319.3	-	-	6.5	88° 10'	+42.2	+35.7		3534.7		-405	-1256	1,309,311	492,276	
257	1650	1649.2	-	-	5.5	88° 14'	+50.9	+45.4		3544.4		-506	-1570	1,309,210	491,962	
258	1980	1979.1	-	-	6.4	88° 14'	+61.0	+54.6		3553.6		-608	-1883	1,309,108	491,649	
259	2311	2309.9	239° 48' 22"	-	7.8	88° 14'	+71.2	+63.4		3562.4	TP	-694	-2203	1,309,022	491,329	
259	2311				7.7	271° 46'	+71.2	+63.5			TP					
	1579		78° 20' 45"	+12.7	11.6	TH	-7.9	+3.7	3566.1		BS	+29	-1579			
	1579				11.5	TH 270	-7.9	+3.6			BS					
rock point	1442		82° 15' 28"	-	5.8	TH	+7.2	+1.4		3567.5		-125	+1437	1,308,926	491,187	y - 1,308,970 x - 491,215 Bm cl. 3568.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1-21-86		B. Cotcamp		B. SALDIVAR		6834		B.S		2		23				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
ARIZONA		middle Verde-7 1/2		ARIZ.		YAVAPI								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	X
									3566.1							
260	1256		80° 45'	+12.7	7.3	74°	+6.3	-1.0		3565.1		-76	+1254	1,308,975	491,004	LAST STA. ON ROAD
261	941	940.0	77° -	-	13.2	92° 40'	-43.8	-57.0		3509.11		+5	+940	1,309,056	490,690	X - Country
262	625	623.7	74° 15'	-	13.5	93° 40'	-40.0	-53.5		3512.6		+33	+623	1,309,084	490,373	- -
263	315	313.6	65° 35'	-	19.0	95° 26'	-29.8	-48.8		3517.3		+64	+307	1,309,115	490,057	- -
264	56		11° 15'	-	4.3	92° 50'	-2.8	-7.1		3559.0		+51	+23	1,309,102	489,773	BACK ON ROAD
TP	0				5.1			-5.1		3561.0	TP	0	0	1,309,051	489,750	
265	226		227° 15'	+12.7	6.3	88° 32'	+5.8	-0.5		3565.6		-113	-196	1,308,938	489,554	
266	548		217° 30'	-	5.2	87° 50'	+20.7	+15.5		3581.6		-351	-421	1,308,700	489,329	
TP	824	823.2	215° 47' 15"	-	6.6	87° 26'	+36.9	+30.3		3596.4	TP	-546	-616	1,308,505	489,134	
TP	824				6.5	272° 34'	+36.9	+30.4			TP					
	840		51° 25' 04"	-	5.4	91° 30'	+22.0	+27.4	3623.8		BS	-367	-755			
	840				5.3	268° 30'	+22.0	+27.3			BS					
267	787		50° 25'	+12.7	5.4	91° 30'	-20.6	-26.0		3597.8		+356	+702	1,308,494	489,081	
268	464		42° 50'	-	5.8	91° 30'	-12.1	-17.9		3605.9		+263	+383	1,308,401	488,762	
269	139		43° 50'	-	4.7	91° 30'	-3.6	-8.3		3615.5		+77	+116	1,308,215	488,495	
TP	0				5.1			-5.1		3618.7	TP	0	0	1,308,138	488,379	
270	183		262° 20'	+12.7	5.8	89° -	+3.2	-2.6		3621.2		+16	-182	1,308,154	488,197	
271	509		257° 15'	-	5.8	88° 44'	+11.3	+5.5		3629.3		±0	-509	1,308,138	487,870	
TP	611		254° 06' 26"	-	3.9	88° 44'	+13.5	+9.6		3633.4	TP	-34	-610	1,308,104	487,769	
TP	611				3.8	271° 16'	+13.5	+9.7			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-22-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	2	PAGE	24	
AREA	ARIZONA	TOPO MAP	MIDDLE Verde 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	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
										3633.4								
	2067	2066.1	49° 24' 08"	+127	8.8	91° 40'	+60.1	+68.9	3702.3		BS	-967	-1826					
	2067				8.9	268° 20'	+60.1	+69.0		BS								
272	1844	1843.1	49° 30'	-	5.7	91° 50'	-59.0	-64.7		3637.6		+860	+1630	1,307,997	487,573			
273	1519	1518.1	50° 40'	-	5.2	92° -	-53.0	-58.2		3644.1		+681	+1357	1,307,818	487,300			
274	1201	1200.2	54° 30'	-	6.2	92° 02'	-42.6	-48.8		3653.5	AI	+465	+1106	1,307,602	487,049			
275	879	878.4	58° -	-	6.4	92° 06'	-32.2	-38.6		3663.7		+290	+829	1,307,427	486,772			
276	549		57° 30'	-	5.0	92° 06'	-20.1	-25.1		3677.2		+186	+517	1,307,323	486,460			
277	221		53° 45'	-	5.3	93° 30'	-13.5	-18.8		3683.5		+88	+203	1,307,225	486,146			
K	0				5.1			-5.1		3697.2	K	0	0	1,307,137	485,943			
278	108		223° -	+127	5.3	86° 30'	+6.6	+1.3		3703.6		-61	-89	1,307,076	485,854			
279	437		222° 10'	-	5.2	87° 10'	+21.6	+16.4		3718.7		-251	-357	1,306,886	485,586			
280	764	763.2	221° 25'	-	5.4	87° 20'	+35.5	+30.1		3732.4		-447	-618	1,306,690	485,325			
281	1086	1084.8	222° 50' -	-	3.4	87° 20'	+50.5	+47.1		3749.4		-614	-894	1,306,523	485,049			
TP	1275	1273.4	222° 04' 14"	-	6.7	87° 10'	+63.0	+56.3		3758.6	TP	-735	-1040	1,306,402	484,903			
TP	1275				6.6	272° 50'	+63.0	+56.4			TP							
	2125	2116.9	65° 05' 16"	+127	4.6	95° -	+185.2	+189.8	3948.4		BS	-448	-2069					
	2125				4.5	265° -	+185.2	+189.7		BS								
282	2001	1993.4	67° 12'	-	5.8	95° -	-174.4	-180.2		3768.2		+350	+1963	1,306,304	484,797			
283	1750	1743.0	73° 30'	-	5.8	95° 08'	-156.6	-162.4		3786.0		+115	+1739	1,306,069	484,573			
284	1489	1482.3	67° 10'	-	6.3	95° 26'	-141.0	-147.3		3801.1		+261	+1459	1,306,215	484,293			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-22-86	INSTRUMENT MAN	B. Cotamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S.	LINE NO.	2	PAGE	25	
AREA	ARIZONA	TOPO MAP	Middle Verde 7/2	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.	
									3948.4					
285	1189	1182.3	62° 08'	+12.7	6.5	96° 04'	-125.7	-132.2		3816.2		+309	+1141	1,306.263 483,975
286	861	854.5	63° 05'	-	5.7	97° 02'	-105.4	-111.1		3837.3		+210	+828	1,306.164 483.662
287	535	528.3	65° 15'	-	6.3	99° 06'	-84.6	-90.9		3857.5		+110	+517	1,306.064 483.351
288	249	240.1	41° -	-	3.8	105° 20'	-65.8	-69.6		3878.8		+142	+194	1,306.096 483.028
Bm	352		116° 28' 39"	-	6.4	93° 50'	-23.5	-29.9		3918.5	Bm	-222	+272	1,305.732 483.106
X	0				5.1	-		-5.1		3943.3	X	0	0	1,305.754 482,834
289	133	131.1	294° 10'	+12.7	8.2	80° 20'	+122.3	+114.1		3962.5		+79	-105	1,306.033 482,729
TP	409	404.3	260° 57' 36"	-	10.3	81° 20'	+61.6	+51.3		3999.7	TP	+26	-404	1,305.980 482,430
TP	409				10.2	278° 40'	+61.6	+51.4			TP			
	880	879.3	65° 56' 43"	-	4.6	92° 20'	+35.8	+40.4	4040.1		BS	-173	-862	
	880				4.5	267° 40'	+35.8	+40.3			BS			
290	856		66° -	-	5.6	92° 20'	-34.9	-40.5		3999.6		+168	+839	1,305.975 482,407
291	536	533.7	63° 10'	-	5.3	95° 20'	-49.8	-55.1		3985.0		+130	+518	1,305.937 482,086
292	384	383.0	25° 33'	-	6.4	94° 10'	-27.9	-34.3		4005.8		+301	+237	1,306.108 481.805
293	202		10° 50'	-	5.4	93° 34'	-12.6	18.0		4022.1		+185	+81	1,305.992 481.649
X	0				5.1	-		-5.1		4035.0	X	0	0	1,305.807 481,568
294	152		279° -	+12.7	4.0	86° 34'	+9.1	+5.1		4045.2		+56	-141	1,305.863 481,427
295	482	481.1	282° 20'	-	5.2	86° 34'	+28.9	+23.7		4063.8		+204	-436	1,306.011 481,132
TP	571	570.0	281° 44' 27"	-	5.8	86° 34'	+34.2	+28.4		4068.5	TP	+236	-519	1,306.043 481.049
TP	571				5.7	273° 26'	+34.2	+28.5			TP			

LAST STA. ON ROAD
 U.S. CGS Bm EL 3918.0

BACK ON ROAD

X - Country

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-22-86	INSTRUMENT MAN	B. C. Camp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S.	LINE NO.	2	PAGE	26	
AREA	ARIZONA	TOPO MAP	Middle Verde - 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.	
										4068.5				
553	552.0		102 23 21	+12.7	9.8	93 30	+33.8	+43.6	4112.1		BS	+234	-500	
553					9.7	266 30	+33.8	+43.7			BS			
296	320	319.3	93 44	-	6.0	93 46	-21.0	-27.0		4085.1		-90	+306	1,306.187 480.855
297	0				5.1			-5.1		4107.0	X	0	0	1,306.277 480.549
298	297	295.7	250 55	-	3.2	84 40	+27.6	+24.4		4136.5		-33	-294	1,306.244 480.255 X - country
299	573	549.9	229 40	-	3.0	73 40	+161.1	+158.1		4270.2		-255	-487	1,306.022 480.062
TP	614	588.2	229 29 46	-	4.6	73 40	+172.7	+168.1		4280.2	TP	-275	-521	1,306.002 480.028
TP	614				4.5	286 20	+172.7	+168.2			TP			
	1444		49 05 26	+12.7	6.5	91 -	+25.2	+31.7	4311.8		BS	-682	-1272	
	1444				6.3	269 -	+25.2	+31.5		+31.63		BS		
300	1208	1205.9	42 30	-	5.6	93 24	-71.6	-77.2		4234.6		+688	+990	1,306.008 479.746
301	965	962.0	45 30	-	5.4	94 40	-73.6	-79.0		4232.8		+475	+767	1,305.795 479.523 back on road
302	760	758.3	26 23	-	6.4	93 48	-50.4	-56.8		4255.0		+589	+478	1,305.909 479.234
303	824	823.4	6 20	-	5.8	92 10	-31.2	-37.0		4274.8		+778	+268	1,306.098 479.024
304	604		347 05	-	6.3	91 08	-11.9	-18.2		4293.6		+604	-2	1,305.924 478.754
305	586		315 15	-	6.8	89 10	+8.5	+1.7		4313.5		+497	-311	1,305.817 478.445
306	682		286 27	-	6.5	87 46	+26.6	+20.1		4331.9		+332	-596	1,305.652 478.160
X	0				5.1			-5.1		4306.7	X	0	0	1,305.320 478.756 OFF line
307	877	876.2	267 -	+12.7	5.0	87 34	+37.2	+32.2		4344.0		+148	-864	1,305.468 477.892
308	1141	1139.4	258 47	-	14.2	87 -	+59.7	+45.5		4357.3		+29	-1139	1,305.349 477.617

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-22-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B. S.	LINE NO.	2	PAGE	27	
AREA	ARIZONA	TOPO MAP	Middle Verde-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			
									4311.8									
TP	1239	1237.3	258° 47' 56"	+12.7	5.2	87° -	+64.8	+59.6		4371.4	TP	+32	-1237	1,305,352	477,519			
TP	1239				5.1	273° -	+64.8	+59.7			TP							
	574		72° 34' 28"	-	8.7	-		+8.7	4380.1		BS	-47	-572					
	574				8.6	270° -		+8.6			BS							
309	536		50° 40'	-	5.3	90° 36'	-5.6	-10.9		4369.2		+240	+479	1,305,545	477,426			
310	269		28° 30'	-	5.3	90° 24'	-1.9	-7.2		4372.9		+202	+177	1,305,507	477,124			
π	0				5.1	-		-5.1		4375.0	π	0	0	1,305,305	476,947			
311	79		285° -	+12.7	5.3	90° 24'	-0.6	-5.9		4374.2		+37	-70	1,305,342	476,877			
312	387		269° 35'	-	6.0	89° 30'	-3.4	-2.6		4377.5		+82	-378	1,305,387	476,569			
TP	441		270° 08' 56"	-	5.0	89° 30'	+3.8	-1.2		4378.9	TP	+98	-430	1,305,403	476,517			
TP	441				5.0	270° 30'	+3.8	-1.2			TP							
	1489		124° 32' 42"	-	10.9	91° -	+26.0	+36.9	4415.8		BS	+1093	-1011					
	1489				10.8	269° -	+26.0	+36.8			BS							
313	1257		117° 40'	+12.7	4.8	91° 20'	-29.2	-34.0		4381.8		-814	+958	1,305,682	476,464			
314	976		108° 20'	-	6.4	91° 20'	-22.7	-29.1		4386.7		-503	+836	1,305,993	476,342			
315	847		93° 05'	-	4.9	91° 10'	-17.2	-22.1		4393.7		-230	+815	1,306,266	476,321			
316	533		87° 30'	-	5.6	91° 30'	-14.0	-19.6		4396.2		-94	+525	1,306,402	476,031			
317	230		66° 10'	-	5.3	93° 40'	-14.7	-20.0		4395.8		+44	+226	1,306,540	475,732			
Bm	259		19° 18' 28"	-	6.9	90° 40'	-3.0	-9.9		4405.9	Bm	+220	+137	1,306,716	475,643		u-1,306,695 x - 475,705	
318	177		352° 20'		6.2	92° 50'	-8.7	-14.9		4400.9		+176	+16	1,306,672	475,522		u.S.C.+G.S. B.M. 4406 w-111 1935	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-22-86		B. Cotcamp		B. SALDIVAR		6834		B.S		2		28			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		MIDDLE VERDE - 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
									4415.8						
π	0				5.1	-		-5.1		4410.7	π	0	0	1,306,496	475,506
319	175		238 -	+12.7	5.8	86° 10'	+11.7	+5.9		4421.7		-58	-165	1,306,438	475,341
320	505	503.9	235 50	-	6.7	86° 10'	+33.8	+27.1		4442.9		-184	-469	1,306,312	475,037
321	830	828.3	227 38	-	4.8	86° 18'	+53.6	+48.8		4464.6		-410	-720	1,306,086	474,786
322	1045	1037.3	215 23	-	18.1	83° 02'	+126.8	+108.7		4524.5		-693	-772	1,305,803	474,734
323	1337	1320.8	215 40	-	12.2	81° 05'	+207.2	+195.0		4610.8		-877	-987	1,305,619	474,519
324	1654	1620.6	214 30	-	12.2	78 27 36	+330.9	+318.7		4734.5		-1101	-1189	1,305,395	474,317
325	1955	1896.1	216 36 -	-	12.7	75 54	+476.1	+463.4		4879.2	TP	-1236	-1438	1,305,260	474,068
325	1955				12.7	284 06 04	+476.3	+463.6			TP				
	762	756.1	52 42 18	+12.7	12.8	82° 50'	-95.1	-82.3			BS	-315	-687		
	762				12.7	277 10	-95.1	-82.4	4796.8		BS				
326	459	457.9	41. 47	-	12.2	86° 05'	+31.4	+19.2		4816.0		+266	+373	1,305,211	473,754
Bm	462	460.2	36 14 18	-	12.2	84 52	+41.3	+29.1		4825.9	Bm	+302	+347	1,305,247	473,728
327	143		31 45'	-	4.9	92° 50'	-7.1	-12.0		4784.8		+102	+100	1,305,047	473,481
π	0				5.1	-		-5.1		4791.7	π	0	0	1,304,945	473,381
328	206		272 30	+12.7	5.4	88° 10'	+6.6	+1.2		4798.0		+54	-199	1,304,999	473,182
TP	293		271 38 16	-	3.9	88° 10'	+9.4	+5.5		4802.3	TP	+73	-284	1,305,018	473,097
TP	293				3.8	271 50	+9.4	+5.6			TP				

MIDDLE VERDE - 7 1/2' ↑
CHERRY - 7 1/2' ↓
EAST STA. on ROAD

y - 1,305,200 x - 473,800
U.S.G.S. EL. 4817.0
BACK on ROAD

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-23-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	BS	LINE NO.	2	PAGE	29	
AREA	ARIZONA	TOPO MAP	CHEERS - 7 1/2'	STATE	ARIZ.	COUNTY	YAVAPAI	TWP		RANGE		PPM	PARTY MANAGER	J. M. CLELAN

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			
										4802.3								
	1453		107° 20' 38"	+12.7	14.3	91° 30'	+38.0	+52.3			BS	+727	-1257					
	1453				14.2	268° 30'	+38.0	+52.2	4854.5		BS							
329	1210		106° 05'	-	6.4	92° -	-42.2	-48.6		4805.9		-583	+1061	1,305.162	472.901			
330	882		104° 20'	-	6.3	92° 18'	-35.4	-41.7		4812.8		-401	+786	1,305.344	472.626			
331	556		100° 50'	-	5.3	92° 18'	-22.3	-27.6		4826.9		-222	+510	1,305.523	472.350			
Bm	436		101° 04' 51"	-	3.0	92° 20'	-17.8	-20.8		4833.7	Bm	-176	+398	1,305.569	472.238	us. Bm EL 4833.0		
332	254		79° 57'	-	6.7	92° 20'	-10.3	-17.0		4837.5		-12	+254	1,305.733	472.094			
X	0				5.1	-		-5.1		4849.4	X	0	0	1,305.745	471.840			
333	188		345° 20'	+12.7	6.2	91° 10'	-3.8	-10.0		4844.5		+188	-6	1,305.933	471.834			
334	241		259° 20'	-	6.2	87° 40'	+9.8	+3.6		4858.1		+9	-241	1,305.754	471.599			
335	513		229° 38'	-	5.1	87° 30'	+22.4	+17.3		4871.8		-238	-454	1,305.507	471.386			
336	816	815.1	218° 45'	-	5.6	87° 20'	+38.0	+32.4		4886.9		-508	-637	1,305.237	471.203			
337	1067	1065.4	206° 40'	-	5.4	86° 50'	+58.9	+53.5		4908.0		-824	-676	1,304.921	471.164			
338	1348	1345.7	198° 05'	-	5.1	86° 38'	+79.2	+74.1		4928.6		-1156	-689	1,304.589	471.151			
339	1676	1672.9	197° 20'	-	6.1	86° 30'	+102.3	+96.2		4950.7		-1448	-837	1,304.297	471.003			
340	1978	1974.3	195° 55'	-	6.4	86° 30'	+120.8	+114.4		4968.9		-1733	-946	1,304.012	470.894			
TP	2114	2110.1	195° 46' 25"	-	7.6	86° 30'	+129.1	+121.5		4976.1	TP	-1855	-1006	1,303.890	470.834			
TP	2114				7.3	273° 30'	+129.1	+121.8	+121.6		TP							
	264		8° 44' 24"	+12.7	5.5	-		+5.5			BS	-246	-97					
	264				5.4	270° -		+5.4	4981.5		BS							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
1-23-86		B. Cotcamp		B. SALDIVAR		6834		B.S.		2		30							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
ARIZONA		CHERRY-7 1/2		ARIZ.		YAVAPAI								S. 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				
									4981.5										
341	249		327° 10'	+12.7	4.8	91° -	-4.3	-9.1		4972.4		+234	-86	1,303.878	470.651				
π	0				5.1	-		-5.1		4976.4	π	0	0	1,303.644	470.737				
342	102		232° 10'	-	5.0	89° -	+1.8	-3.2		4978.3		-43	-92	1,303.601	470.645				
TP	213		234° 45' 24"	-	2.8	89° -	+3.7	+0.9		4982.4	TP	-82	-197	1,303.562	470.540				
TP	213				2.7	271° -	+3.7	+1.0			TP								
	321		62° 03' 46"	+12.7	5.5	-		+5.5			BS	-84	-310						
	321				5.4	270° -		+5.4	4987.8		BS								
343	239		17° 50'	-	5.1	-		-5.1		4982.7		+206	+121	1,303.684	470.351				
π	0				5.1	-		-5.1		4982.7	π	0	0	1,303.478	470.230				
344	115		294° -	-	6.3	92° 40'	-5.4	-11.7		4976.1		+69	-92	1,303.547	470.138				
TP	287		285° 33' 10"	-	6.4	92° 40'	-13.4	-19.8		4968.0	TP	+136	-253	1,303.614	469.977				
TP	287				6.4	267° 20'	-13.4	-19.8			TP								
	613	6107	110° 46' 36"	+12.7	6.0	85° -	-53.4	-47.4			BS	+337	-509						
	613				5.9	275° -	-53.4	-47.5	4920.5		BS								
345	597	595.6	94° 27'	-	5.1	86° 02'	+41.3	+36.2		4956.7		-176	+569	1,303.775	470.037				
346	406		76° 20'	-	5.1	86° 50'	+22.4	+17.3		4937.8		+7	+406	1,303.958	469.874				
347	86		75° -	-	5.6	88° -	+3.0	-2.6		4917.9		+3	+86	1,303.954	469.554				
π	0				5.1	-		-5.1		4915.4	π	0	0	1,303.951	469.468				
348	260		334° 30'	-	25.2	88° -	+9.1	-16.1		4904.4		+254	-58	1,304.205	469.410				348
349	355		294° 05'	-	5.1	90° 46'	-4.8	-9.9		4910.6		+213	-284	1,304.164	469.184				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-23-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	2	PAGE	31	
AREA	ARIZONA	TOPO MAP	CHERRY-7/2	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	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									4920.5										
31	382		284° 20' 36"	+127	2.3	90° 46'	-5.1	-7.4		4913.1	31	+174	-340	1,304,125	469,128			1.304,150 x = 469,200 y = inter.	
350	609		269° 25'	-	4.8	90° 26'	-4.6	-9.4		4911.1		+128	-595	1,304,079	468,873				
351	889		259° 30'	-	6.3	90° 30'	-7.8	-14.1		4906.4		+34	-888	1,303,985	468,580				
352	1185		258° 49' 12"	-	10.2	90° 30'	-10.3	-20.5		4900.0	TP	+31	-1185	1,303,982	468,283			51.00"	
352	1185				10.1	269° 30'	-10.3	-20.4			TP								
	277		84° 04' 28"	+12.7	8.9	87° -	-14.5	-5.6	4894.4		BS	+33	-275					11.12"	
	277				8.9	273° -	-14.5	-5.6			BS								
K	0				5.1	-		-5.1		4889.3	K	0	0	1,304,015	468,008				
353	69		336° 25'	-	5.1	93° 20'	-4.0	-9.1		4885.3		+68	-13	1,304,683	467,995				
TP	240		339° 43' 55"	-	3.7	92° -	-8.4	-12.1		4882.3	TP	+238	-32	1,304,253	467,976				
TP	240				3.7	268° -	-8.4	-12.1			TP								
	599	597.2	104° 12' 42"	-	7.9	94° 30'	+47.0	+54.9			BS	+270	-532						
	599				7.8	265° 30'	+47.0	+54.8	4937.1		BS								
354	723	711.0	92° 49'	+127	5.2	94° 14'	-53.4	-58.6		4878.5		-193	+695	1,304,330	468,139				
355	663	660.8	67° 30'	-	6.0	94° 40'	-53.9	-59.9		4877.2		+112	+651	1,304,635	468,095				
356	461	458.6	47° 50'	-	5.4	95° 54'	-47.4	-52.8		4884.3		+226	+399	1,304,749	467,843				
357	346	344.5	12° 20'	-	6.5	95° 20'	-32.2	-38.7		4898.4		+312	+146	1,304,835	467,596				
K	0				5.1	-		-5.1		4932.0	K	0	0	1,304,523	467,444			1,304,700 x = 467,410	
Bm	161	160.0	320° 10'	-	6.2	96° 20'	-17.8	-24.0		4913.1		+142	-73	1,304,665	467,371			U.S.C + 6.5. Bm #2. 4913.0	
358	202	200.8	306° -	-	6.5	96° 10'	-21.7	-28.2		4908.9		+151.	-133	1,304,674	467,311			1935 U-111	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
1-23-86		B. Cotcamp		B. SALDIVAR		6834		B.S			2		32		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		CHERRY - 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
									4937.1						
359	405	403.6	251° 55'	+127	6.0	94° 50'	-34.1	-40.1		4897.0		-38	-402	1,304,485	467,042
360	732	730.6	248° 28'	-	6.4	93° 30'	-44.7	-51.1		4886.0		-112	-722	1,304,411	466,722
361	988	986.7	248° 40'	-	5.7	93° -	-51.7	-57.4		4879.7		-148	-976	1,304,375	466,468
TP	1040	1039.4	245° 49' 47"	-	13.8	92° -	-36.3	-50.1			TP	-207	-1019	1,304,316	466,425
TP	1040				13.7	268° -	-36.3	-50.0		4887.1	TP				
	340		59° 40' 09"	+127	5.4	88° 30'	-8.9	-3.5			BS	-103	-324		5.9
	340				5.5	271° 30'	-8.9	-3.4	4883.7		BS				
362	226		22° 15'	-	6.0	92° 20'	-9.2	-15.2		4868.5		+185	+129	1,304,398	466,230
X	0				5.1	-		-5.1		4878.6	X	0	0	1,304,213	466,101
363	77		248° 10'	-	4.6	89° 20'	+0.9	-3.7		4880.0		-12	-76	1,304,201	466,025
IB	284		208° 46' 44"	-	7.2	88° 20'	+8.3	+1.1		4884.8	IB	-213	-188	1,304,000	465,913
364	324		198° 50'	-	6.3	88° 16'	+9.8	+3.5		4887.2		-276	-169	1,303,937	465,932
TP	624		186° 06' 27"	-	5.0	88° 20'	+18.1	+13.1			TP	-590	-201	1,303,623	465,900
TP	624				4.9	271° 40'	+18.1	+13.2		4896.9	TP				
	675		56° 42' 34"	+127	9.1	92° -	+23.6	+32.7	4929.6		BS	-237	-631		
	675				9.0	268° -	+23.6	+32.6			BS				
365	658		56° 20'	-	5.7	92° 12'	+25.3	-31.0		4898.6		+235	+614	1,303,621	465,883
366	330		56° 12'	-	6.1	92° 12'	-12.7	-18.8		4910.8		+119	+308	1,303,505	465,577
367	0				5.1	-		-5.1		4924.5	X	0	0	1,303,386	465,269
TP	233		259° 12' 34"	-	5.3	87° 20'	+10.8	+5.5		4935.1	TP	+8	-233	1,303,394	465,036

g-1,304,010 x-465,970
#1 Inter.

ACROSS FLAG

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-24-86		B. Cotcamp		B. SALDIVAR		6834		B.S		2		33			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		CHERRY - 7/2		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
									4935.1						
	455		107° 52' 45"	+12.7	14.4	-		+14.4	4949.5		BS	+231	-392		
	455				+14.3	270°		+14.3		BS					
368	360		99° 05'	-	6.3	90° 20'	-2.1	-8.4	4941.1			-134	+334	1,303,491	464,978
369	110		41° 55'	-	5.3	89° 40'	+0.6	-4.7	4944.8			+64	+90	1,303,689	464,734
π	0				5.1	-		-5.1	4944.4		π	0	0	1,303,625	464,644
TP	231		295° 01' 10"	+12.7	7.4	89° 40'	+1.3	-6.1	4943.5		TP	+141	-183	1,303,766	464,461
TP	231				7.3	270° 20'	+1.3	-6.0		TP					
	248	216.3	126° 30' 28"	-	+6.9	83° 20'	-28.8	-21.9	4921.6		BS	+186	-161		
	248				+6.9	276° 40'	-28.8	-21.9		BS					
370	244	242.5	106° 40'	-	123.5 123.5	83° 44'	+26.6	+14.3	4935.9			-119	+211	1,303,823	464,511
371	0				5.1	-		-5.1	4916.5		π	0	0	1,303,952	464,300
372	334		296° 44'	-	6.3	93° 10'	-18.5	-24.8	4896.8			+212	-258	1,304,164	464,042
TP	391	390.4	289° 39' 22"	~	1.7	93° 10'	-21.6	-23.3	4898.3		TP	+209	-330	1,304,161	463,970
TP	391				1.6	266° 50'	-21.6	-23.2		TP					
	865		76° 38' 14"	-	16.2	91° 22'	+20.6	+26.8	4925.1		BS	-10	-865		
	865				16.1	268° 38'	+20.6	+26.7		BS					
373	607		76° 05'	+12.7	5.6	91° 36'	-16.9	-22.5	4902.6			+13	+607	1,304,164	463,712
374	282		69° 55'	-	5.5	91° 36'	-7.9	-13.4	4911.7			+36	+280	1,304,187	463,385
π	0				5.1	-		-5.1	4920.0		π	0	0	1,304,151	463,105
375	64		308° 10'	-	5.2	89° 40'	+0.4	-4.8	4920.3			+50	-40	1,304,201	463,065

TO
Dist. short due to curve.

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-24-86		B. Cotcamp		B. SALDIVAR		6834		B.S.		2		34			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		CHERRY - 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
									4925.1						
TP	211		310° 23' 51"	+12.7	4.7	88° -	+7.4	+2.7	4927.9		TP	+169	-127	1,304,320	462,978
TP	211				4.6	272° -	+7.4	+2.8		TP					
	338		141° 39' 30"	-	+10.8	92° -	+11.8	+22.6	4950.5		BS	+305	-146		
	338				+10.7	268° -	+11.8	+22.5			BS		+2		
376	176		129° -	-	4.2	92° 10'	-6.7	-10.9		4939.6		-138	+109	1,304,487	462,943
π	0				5.1	-		-5.1		4945.4	π	0	0	1,304,625	462,834
377	160		346° 35'	-	4.0	89° -	+2.8	-1.2		4949.3		+160	-2	1,304,785	462,832
TP	329		342° 03' 51"	-	1.3	89° -	+5.7	+4.4		4954.9	TP	+328	-30	1,304,953	462,806
TP	329				1.2	271° -	+5.7	+4.5			TP		+2		
	264		173° 53' 42"	+12.7	+6.9	93° -	+13.8	+20.7	4975.6		BS	+262	+30		
	264				+6.9	267° -	+13.8	+20.7			BS		+2		
378	105		167° 50'	-	5.1	91° 40'	-8.5	-13.6		4962.0		-105	-1	1,305,110	462,837
π	0				5.1	-		-5.1		4970.5	π	0	0	1,305,215	462,838
379	231		300° 15'	-	6.0	84° 40'	+21.5	+15.5		4991.1		+157	-169	1,305,372	462,669
TP	369	367.4	293° 56' 45"	-	6.8	84° 40'	+31.3	+27.5		5003.1	TP	+219	-295	1,305,434	462,545
TP	369				4.7	85° -	+32.2	+27.5			TP		+2		
	333		74° 55' 26"	+12.7	+11.7	88° -	-11.6	+0.1	5003.2		BS	-14	-333		
	333				+11.6	272° -	-11.6	+0.0			BS		+2		
380	149		72° 50'	-	5.0	87° 30'	+6.5	+1.5		5004.7		+12	+149	1,305,432	462,363
π	0				5.1	-		-5.1		4998.1	π	0	0	1,305,420	462,214

near dump mag.?

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
1-24-86		B. Cotcamp		B. SALDIVAR		6834		B.S.			2		35		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		Cherry- 7/2		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	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5003.2						
381	180		273° 10'	+12.7	6.4	91° 30'	-4.7	-11.1		4992.1		+49	-173	1,305.469	462,041
382	500		262° 23' 50"	-	8.2	90° 30'	-4.4	-12.6		4990.6	TP	+44	-498	1,305.469	461,718
382	500				8.1	269° 30'	-4.4	-12.5			TP		+2		
	1392	1391.2	65° 32' 58"	-	9.2	92° -	+48.6	+57.8	5048.4		BS	-283	-1362		
	1392				9.1	268° -	+48.6	+57.7			BS		+2		
383	1063		64° 50'	-	5.4	92° 50'	-52.5	-57.9		4990.5		+229	+1038	1,305.410	461,396
384	733		65° 40'	-	5.5	92° 50'	-36.2	-41.7		5006.7		+148	+718	1,305.329	461,076
385	403		-		6.0	92° 50'	-19.9	-25.9		5082.5		+81	+395	1,305.262	460,753
386	76		55° -	+12.7	5.7	92° 50'	-3.8	-9.5		5038.9		+29	+70	1,305.210	460,428
Σ	0				5.1	-		-5.1		5043.2	Σ	0	0	1,305.181	460,358
387	262		280° 15'	-	6.0	87° -	+13.7	+7.7		5056.1		+102	-241	1,305.283	460,117
388	592		278° 25'	-	6.8	87° -	+31.0	+24.2		5072.6		+213	-552	1,305.394	459,806
Σ	181		278° 01' 46"	-	6.0	87° -	+9.5	+3.5		5051.9	Σ	+64	-169	1,305.245	460,189
TP	884	882.8	278° 22' 26"	-	6.2	87° -	+46.3	+40.1		5088.5	TP	+317	-824	1,305.498	459,536
TP	884				6.1	273° -	+46.3	+40.2			TP		+2		
	477	476.4	78° 34' 10"	+12.7	13.1	93° -	+25.0	+38.1	5126.6		BS	+11	-476		
	477				13.0	267° -	+25.0	+38.0			BS		+2		
389	444		78° 34'	-	12.9	93° -	-23.2	-36.1		5090.5		-10	+444	1,305.499	459,506
390	114		76° 10'	-	4.4	91° 30'	-3.0	-7.4		5119.2		+2	+114	1,305.511	459,176
Σ	0				5.1	-		-5.1		5121.5	Σ	0	0	1,305.509	459,062

Σ y = 1,305,230 x = 460,180
T-Inter.

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE						
1-24-86		B. Cotamp		B. SALDIVAR		6834		B.S		2		36						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER				
ARIZONA		CHERRY-7 1/2		ARIZONA		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			
									5126.6									
391	215		244 -	+12.7	5.5	87° 30'	+9.4	+3.9		5130.5		-49	-209	1,305.460	458.853			
TP	393		238° 30' 40"	-	6.8	86° 50'	+21.7	+14.9		5141.5	TP	-126	-371	1,305.383	458.693			
TP	393				6.7	273° 10'	+21.7	+15.0			TP		+2					
	303		44° 04' 03"	-	10.4	93° -	+15.9	+26.3	5167.8		BS	-166	-253					
	303				10.3	267° -	+15.9	+26.2			BS		+2					
392	157		42° 30'	-	6.0	95° -	-13.7	-19.7		5148.1		+90	+129	1,305.307	458.571			
π	0				5.1	-		-5.1		5162.7	π	0	0	1,305.217	458.442			
393	169		247° 25'	+12.7	4.5	87° -	+8.8	+4.3		5172.1		-29	-166	1,305.188	458.276			
TP	214		245° 14' 03"	-	3.8	85° 30'	+16.8	+13.0		5180.8	TP	-45	-209	1,305.172	458.235			
TP	214				3.8	274° 30'	+16.8	+13.0			TP		+2					
	408		20° 32' 18"	-	6.8	93° 40'	+26.1	+32.9	5213.7		BS	-341	-223					
	408				6.7	266° 20'	+26.1	+32.8			BS		+2					
394	136		7° 50'	-	6.3	96° 06'	-14.5	-20.8		5192.9		+127	+48	1,304.958	458.062			
π	0				5.1	-		-5.1		5208.6	π	0	0	1,304.831	458.014			
395	192		200° 10'	-	6.6	91° 30'	-5.0	-11.6		5202.1		-161	-104	1,304.670	457.910			
TP	285		200° 11' 30"	-	6.1	91° 30'	-7.5	-13.6		5200.1	TP	-239	-155	1,304.592	457.861			
TP	285				6.0	268° 30'	-7.5	-13.5			TP		+2					
	424		46° 05' 48"	-	8.1	-		+8.1	5208.2		BS	-220	-363					
	424				6.0	BH	+2.1	+8.1			BS		+2					

SURVEY NOTES-HIGH RESOLUTION DATA
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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
1-24-86		B. Cotcamp		B. SALDIVAR		6834		B.S		2		37							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
ARIZONA		CHERRY-7/2		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				
									5208.2										
395	336		44° 31' 02"	+12.7	11.6	-		-11.6		5196.6	395	+182	+282	1,304,555	457,782				395-1,304,540 x -457,725 T-enter.
396	182		41° 30'	-	5.6	91° 30'	-4.8	-10.4		5197.8	396	+106	+148	1,304,479	457,648				
	0				5.1	-		-5.1		5203.1	397	0	0	1,304,373	457,500				
397	146		233° 30'	-	3.6	88° 30'	+3.8	+0.2		5208.4	397	-59	-134	1,304,314	457,366				
TP	394		229° 10' 58"	-	6.0	87° 30'	+17.2	+11.2		5219.4	TP	-186	-347	1,304,188	457,155				
TP	394				5.9	272° 30'	+17.2	+11.3			TP	"	+2						
	355		18° 41' 30"	+12.7	12.7	-		+12.7	5232.1		BS	-303	-185						
	355				14.5	74	-1.8	+12.7			BS	"	+2						
398	279		18° 20'	-	6.0	-		-6.0		5226.1		+239	+144	1,304,125	457,116				
	0				5.1	-		-5.1		5227.0	399	0	0	1,303,886	456,972				
399	50		189° 20'	-	6.2	94° -	-3.5	-9.7		5222.4		-46	-19	1,303,840	456,953				
400	376	315.3	176° -	-	8.7	93° 34'	-23.4	-32.1		5200.0		-371	-57	1,303,515	456,915				
TP	411	410.2	177° 03' 03"	-	8.6	93° 30'	-25.1	-33.7		5198.4	TP	-404	-69	1,303,483	456,905				
TP	411				8.7	266° 30'	-25.1	-33.8			TP	"	+2						
	667		41° 04' 01"	+12.7	14.4	84	+3.3	+17.7	5216.1		BS	-394	-538						
	667				14.3	84 210	+3.3	+17.6			BS	"	+2						
401	373		41° 05'	-	5.0	92° 20'	-15.2	-20.2		5195.9		+220	+301	1,303,310	456,670				
402	45		34° 30'	-	5.3	92° 20'	-1.8	-7.1		5209.0		+31	+33	1,303,121	456,402				
	0				5.1	-		-5.1		5211.0	403	0	0	1,303,070	456,369				
403	287	285.3	207° -	-	4.6	83° 48'	+31.0	+26.4		5242.5		-220	-182	1,302,870	456,187				

SURVEY NOTES-HIGH RESOLUTION DATA
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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE								
1-24-86		B. Cotcamp		B. SALDIVAR		6834		B.S		2	38								
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER									
ARIZONA		CHOCOMA-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				
									5216.1										
TP	352	349.9	209° 44' 15"	+12.7	5.5	83° 40'	+38.8	+33.3		5249.4	TP	-258	-236	1,302,833	456,135				
TP	352				5.4	276° 20'	+38.8	+33.4			TP	+1	+2						
	361		8° 43' 42"	-	+9.9	96° 36'	+3.8	+13.7	5263.1		BS	-336	-132						
	361				+9.8	268° 24'	+3.8	+13.6			BS	+1	+2						
404	98		24° 55'	-	6.3	93° 06'	-5.3	-11.6		5251.5		+78	+60	1,302,576	456,065				
K	0				5.1	-		-5.1		5258.0	K	0	0	1,302,498	456,005				
405	240		166° 45'	-	6.0	94° 20'	-18.1	-24.1		5239.0		-240	+2	1,302,258	456,007				
TP	521	520.3	162° 19' 18"	-	6.5	93° -	-27.3	-33.8		5229.3	TP	-518	+45	1,301,981	456,052				
TP	521				6.4	267° -	-27.3	-33.7			TP	+1	+2						
	215		37° 37' 21"	+12.7	+10.3	-		+10.3	5239.6		BS	-137	-165						
	215				+10.2	270° -		+10.2			BS	+1	+2						
406	141		32° 37'	-	6.1	90° 40'	-1.6	-7.7		5231.9		+99	+100	1,301,944	455,989				
K	0				5.1	-		-5.1		5234.5	K	0	0	1,301,845	455,889				
407	188		231° 20'	-	5.3	87° 30'	+8.2	+2.9		5242.5		-82	-169	1,301,763	455,720				
IF	332		229° 14' 12"	-	7.2	87° 30'	+14.5	+7.3		5246.9	IF	-156	-293	1,301,689	455,596	IF ^y - 1,301,680 x - 455,570			
408	515		229° 05'	-	5.4	88° -	+18.0	+12.6		5252.2		-244	-454	1,301,601	455,435	IF ^y - Inter.			
TP	714		226° 31' 58"	-	3.5	88° -	+24.9	+21.4		5261.0	TP	-365	-613	1,301,481	455,278				
TP	714				3.4	272° -	+24.9	+21.5			TP	+1	+2						
	600		25° 22' 30"	-	+9.2	91° 30'	+15.7	+24.9	5285.9		BS	-472	-370						
	600				+9.1	268° 30'	+15.7	+24.8			BS	+1	+2						

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
1-24-86		B. Cotcamp		B. SALDIVAR		6834		B.S		2		39							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
ARIZONA		CHERRY-7/2		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				
									5285.9										
409	470		24° 35'	+12.7	5.2	92° -	-16.4	-21.6		5264.3		+374	+285	1,301,384	455,195				
410	141		25° 55'	-	5.6	92° -	-4.9	-10.5		5275.4		+110	+88	1,301,120	454,998				
π	0				5.1	-		-5.1		5280.8	π	0	0	1,301,010	454,910				
411	176		232° 10'	-	4.9	88° -	+6.8	+1.9		5287.8		-83	-177	1,300,927	454,733				
412	525		228° -	-	3.7	88° -	+18.3	+14.6		5300.5		-257	-458	1,300,753	454,452				
413	854	853.3	228° 45'	-	6.0	87° 40'	+34.8	+28.8		5314.7		-408	-750	1,300,662	454,160				
TP	982	980.8	228° 09 52	-	10.3	87° 12'	+48.0	+37.7		5323.6	TP	-478	-857	1,300,533	454,055				
TP	982				10.2	272° 48'	+48.0	+37.8			TP	+	+						
	525		24° 10' 57	+12.7	9.0	91° 30'	+13.7	+22.7	5346.3		BS	-420	-315						
	525				8.9	268° 30'	+13.7	+22.6			BS	+	+						
414	329		21° 50'	-	4.7	91° 50'	-10.5	-15.2		5331.1		+271	+187	1,300,385	453,929				
415	0				5.1	-		-5.1		5341.2	π	0	0	1,300,114	453,742				
416	330	329.4	217° 10'	-	6.4	86° 40'	+19.2	+12.8		5359.1		-212	-252	1,299,902	453,490				
417	660	658.9	217° 50'	-	5.2	86° 40'	+38.4	+33.2		5379.5		-419	-509	1,299,695	453,233				
TP	856	853.6	215° 33 46	-	9.4	85° 40'	+64.7	+55.3		5401.6	TP	-568	-637	1,299,547	453,107				
TP	856				9.3	274° 20'	+64.7	+55.4			TP	+	+						
	545		355° 56 28	+12.7	5.6	91° 30'	+14.3	+19.9	5421.5		BS	-539	-82						
	545				5.5	268° 30'	+14.3	+19.8			BS	+	+						
418	407		354° 05'	-	5.6	92° -	-14.2	-19.8		5401.7		+404	+48	1,299,413	453,075				
419	84		352° 10'	-	4.7	93° 30'	-5.1	-9.8		5411.7		+84	+7	1,299,093	453,034				

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-24-86		B. Cotcamp		B. SALDIVAR		6834		B.S		2		40			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		CHERRY-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
π	0				5.1	-		-5.1	5421.5						
420	246	245.3	239° 48'	+12.7	11.1	85° 38'	+18.7	+7.6		5416.4	π	0	0	1,299,009	453,027
TP	250	248.8	242° 47' 52"	--	14.7	84° 20'	+24.7	+10.0		5429.1	TP	-62	-234	1,298,935	452,793
TP	250				14.7	275° 40'	+24.7	+10.0		5431.5	TP	"	+2	1,298,948	452,788
	259		101° 15' 40"	-	+8.3	93° 30'	+15.8	+24.1	5455.6		BS	+105	-236		
	259				+8.3	266° 30'	+15.8	+24.1			BS	"	+2		
Bm	97		117° 03' 02"	--	6.6	-		-6.6		5449.0	Bm	-62	+75	1,298,992	452,629
π	0				5.1	-		-5.1		5450.5	π	0	0	1,299,054	452,554
421	91	89.7	213° -	-	6.6	99° 40'	-15.3	-21.9		5433.7		-63	-64	1,298,991	452,490
TP	196	195.2	201° 29' 27"	-	14.3	95° 20'	-18.2	-32.5		5423.1	TP	-161	-110	1,298,894	452,446
TP	196				14.2	264° 40'	-18.2	-32.4			TP	"	+2		
	1945	1941.7	13° 41' 28"	+12.4	+10.3	86° 40'	-113.1	-102.8	5320.3		BS	-1744	-854		
	1945				+10.4	273° 20'	-113.1	-102.7			BS	"	+2		
422	1742	1739.1	14° -	-	14.9	86° 40'	+101.3	+86.4		5406.7		+1558	+773	1,298,709	452,367
423	1526	1524.2	6° 58'	-	6.4	87° 14'	+73.7	+67.3		5387.6		+1438	+505	1,298,589	452,099
424	1587	1586.0	355° 20'	-	9.9	88° -	+55.4	+45.5		5365.8		+1572	+213	1,298,723	451,807
425	1359		348° -	-	2.6	89° 34'	+10.3	+7.7		5328.0		+1359	+9	1,298,516	451,603
426	1033		347° 15'	+12.4	5.4	91° 10'	-21.0	-26.4		5293.9		+1033	±6	1,298,184	451,588
427	713	711.9	351° 25'	-	10.0	93° 10'	-39.4	-49.4		5270.9		+710	+47	1,297,861	451,641
428	413	407.5	4° 55'	-	4.9	91° 20'	-67.0	-71.9		5248.4		+389	+121	1,297,540	451,715

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1-24-86		B. Cotamp		B. SALDIVAR		6834		B.S		2		41				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
ARIZONA		CHERRY-7/2		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	X
									5320.3							
429	240	223.9	57° 54'	+12.4	8.7	111° 06'	-86.4	-95.1		5225.2		+75	+211	1,297,226	451,805	
⌵	0				5.1	-		-5.1		5315.2	⌵	0	0	1,297,151	451,594	
430	405	389.3	115° -	-	5.2	106° -	-111.6	-116.8		5203.5		-236	+309	1,296,915	451,983	
431	708	695.0	128° 45'	-	7.0	101° -	-135.1	-142.1		5178.2		-541	+436	1,296,610	452,030	
432	1016	1003.5	134° 45'	-	6.8	99° -	-158.9	-165.7		5154.6		-843	+544	1,296,308	452,138	
433	1344	1331.5	134° 15'	-	5.7	97° 50'	-183.2	-188.9		5131.4		-1112	+732	1,296,039	452,326	
⌵	1478	1465.9	134° 33' 08"	+12.4	9.2	97° 20'	-188.7	-197.9		5122.4	⌵	-1229	+799	1,295,922	452,393	⌵ ^u 1,295,870 X-452,395 ⌵ _y -Inter.
434	1669	1656.6	136° 10'	-	6.6	97° -	-203.4	-210.0		5110.3		-1413	+864	1,295,738	452,458	
435	1995	1982.2	137° 42'	-	6.0	96° 30'	-225.8	-231.8		5088.5		-1718	+988	1,295,433	452,582	
436	2318	2305.0	139° 35'	-	6.3	96° 04'	-245.0	-251.3		5069.0		-2035	+1083	1,295,116	452,677	
437	2638	2625.0	141° 38'	-	6.6	95° 42'	-262.0	-268.6		5051.7		-2360	+1149	1,294,791	452,743	
438	2958	2944.9	143° 02'	-	5.3	95° 24'	-278.4	-283.7		5036.6		-2678	+1224	1,294,473	452,818	
439	3289	3276.2	143° 19' 28"	-	9.2	95° 04'	-290.5	-299.7		5020.6	TP	-2986	+1347	1,294,166	452,942	
439	3289				9.3	264° 56'	-290.5	-299.8			TP	"	"			
	724	722.9	343° 41' 03"	+12.4	8.7	86° 50'	-40.0	-31.3	4989.3		BS	-721	+49			
	724				8.6	273° 10'	-40.0	-31.4			BS	"	"			
440	394		346° 50'	-	6.1	87° 10'	+19.5	+13.4		5002.7		+391	-46	1,293,837	452,946	
441	65		339° 10'	-	6.3	87° 10'	+3.2	-30.9		4958.4		+64	-10	1,293,510	452,982	
⌵	0				5.1	-		-5.1		4984.2	⌵	0	0	1,293,446	452,992	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-24-86		B. Cotamp		B. SALDIVAR		6834		B.S		2		42			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		CHERRY-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
									4989.3						
442	271		189° 25'	+12.4	5.7	92° 10'	-10.2	-15.9		4973.4		-252	-101	1,293,194	452,891
443	596	595.3	190° 55'	-	5.8	92° 50'	-29.5	-35.3		4954.0		-547	-236	1,292,899	452,756
TP	755	754.1	190° 08' 07"	-	4.3	92° 50'	-37.3	-41.6		4947.7	TP	-697	-289	1,292,750	452,704
TP	755				4.2	267° 16'	-37.3	-41.5			TP	"	"		
	831	829.9	347° 11' 21"	+12.4	12.4	87° -	-43.5	-31.1	4916.6		BS	-830	+6		
	831			+12.3	12.3	273° -	-43.5	-31.2			BS	"	"		
444	659	658.4	346° 40'	-	4.7	87° 30'	+28.7	+24.0		4940.6		+658	-11	1,292,579	452,700
445	330		346° 50'	-	6.7	87° 30'	+14.4	+7.7		4924.3		+330	-4	1,292,251	452,707
446	0				5.1	-		-5.1		4911.5	X	0	0	1,291,921	452,711
447	332		199° -	-	5.8	92° 40'	-15.4	-21.2		4895.4		-283	-173	1,291,638	452,538
448	662		197° -	-	6.3	92° 28'	-28.5	-34.8		4881.8		-577	-325	1,291,344	452,386
TP	715		196° 23' 22"	-	9.8	92° 10'	-27.0	-36.8		4879.8	TP	-626	-344	1,291,296	452,368
TP	715				9.7	267° 50'	-27.0	-36.7			TP	"	"		
	1264	1263.2	8° 45' 52"	+12.4	9.7	88° -	-44.1	-34.4	4845.4		BS	-1178	-456		
	1264			+9.6	9.6	272° -	-44.1	-34.5			BS	"	"		
449	990		11° 05'	-	6.1	88° 10'	+31.7	+25.6		4871.0		+908	+395	1,291,027	452,308
450	660		12° 33'	-	6.3	88° 46'	+14.2	+7.9		4853.3		+598	+278	1,290,717	452,191
451	331		10° 50'	-	6.0	74°	+1.7	-4.3		4841.1		+304	+131	1,290,423	452,044
X	0				5.1	-		-5.1		4840.3	X	0	0	1,290,119	451,913
452	85	84.0	293° 45'	-	5.2	99° -	-13.3	-18.5		4826.9		+50	-68	1,290,169	451,845

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE 1-28-85	INSTRUMENT MAN B. Stamp	ROD MAN B. SALDIVAR	PARTY NUMBER 6834	NOTES CHECKED BY B.S.	LINE NO. 2	PAGE 43
AREA ARIZONA	TOPO MAP CHERRY-7W	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			
									4845.4									
453	362	361.2	231 30	+12.4	4.4	93 50	-24.2	-28.6		4816.8		-159	-324	1,289,960	451,589			
454	660		216 13	-	13.8	92 30	-28.8	-42.6		4802.8		-436	-495	1,289,683	451,418			
455	976		217 46	-	4.9	92 -	-34.1	-39.0		4806.4		-626	-748	1,289,493	451,165			
TP	1133		216 57 42	-	9.9	91 30	-29.7	-39.6	}	4805.8	TP	-738	-859	1,289,382	451,055			
TP	1133				9.8	268 30	-29.7	-39.5			TP	"	"	"	"	"	"	"
	995		38 19 45	+12.4	9.9	89 -	-17.4	-7.5	}	4798.3	BS	-630	-770					
	995				9.8	271 -	-17.4	-7.6			BS	"	"	"	"			
456	843		42 25	-	6.4	89 50	+2.5	-3.9		4794.4		+486	+689	1,289,239	450,975			
Bm	637		62 42 18	-	7.6	91 04	-11.9	-19.5		4778.8	Bm	+164	+615	1,288,917	450,901			1,288,880 x 450,895 Bm U.S.G.S. EL. 4779.0
457	577		58 -	-	8.2	91 04	-10.7	-18.9		4779.4		+194	+544	1,288,947	450,830			
458	299		82 20	-	6.0	94 08	-21.6	-27.6		4770.7		-25	+298	1,288,728	450,584			
π	0				5.1	-		-5.1		4793.2	π	0	0	1,288,753	450,286			
459	264	261.3	154 12	+12.4	6.4	98 10	-37.5	-43.9		4754.4		-254	+61	1,288,499	450,347			
460	371	369.0	214 23	-	5.0	96 -	-38.8	-43.8		4754.5		-253	-269	1,288,500	450,017			
461	653		233 42 33	-	5.0	92 10	-24.7	-29.7	}	4768.6	TP	-264	-597	1,288,490	449,689			
461	653				5.0	267 50	-24.7	-29.7			TP	"	"	"	"	"	"	"
	1213		86 20 22	+12.7	14.5	-		+14.5	}	4783.1	BS	+191	-1198					
	1213				14.4	270 -		+14.4			BS	"	"	"	"			
462	890		88 -	-	6.2	91 38	-25.4	-31.6		4751.5		-165	+875	1,288,517	449,366			
463	574		91 -	-	6.2	93 48	-38.0	-44.2		4738.9		-136	+558	1,288,546	449,049			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-28-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	2	PAGE	44	
AREA	ARIZONA	TOPO MAP	CHEERY - 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				
									4783.1										
464	258	257.2	78° 32'	+12.7	5.8	94° 28'	-20.1	-25.9		4757.2		-6	+257	1,288.676	448.748				
TP	0				5.1	-		-5.1		4778.0	TP	0	0	1,288.682	448.491				
Bm	21		315° 43' 36"	-	0.0	86° 04'	+1.4	+1.4		4784.5	Bm	+18	-11	1,288.700	448.480				Bm Horiz. = 286.4784.0 CORR. X = +14'
465	70		254° 25'	-	4.9	90° 20'	-0.4	-5.3		4777.8		-4	-70	1,288.678	448.421				LAST STA. ON ROAD
TP	335		256° 24' 46"	-	9.2	89° 50'	+1.0	-8.2		4774.9	TP	-5	-335	1,288.677	448.156				X - Country to
TP	335				9.2	270° 10'	+1.0	-8.2			TP								467
	749		56° 33' 15"	+12.7	+9.9	-		+9.9		4784.8	BS	-265	-700						- -
	749				+9.8	270° -		+9.8			BS								- -
466	698		53° 08'	-	3.7	91° -	-12.2	-15.9		4768.9		+286	+637	1,288.698	448.093				- -
467	468	466.5	34° 30'	-	7.6	94° 40'	-38.1	-45.7		4739.1		+317	+342	1,288.729	447.798				BACK ON ROAD
468	154	152.6	55° 14'	-	6.2	97° 40'	-20.5	-26.7		4758.1		+57	+141	1,288.469	447.597				
TP	0				5.1	-		-5.1		4779.7	TP	0	0	1,288.412	447.456				
469	114		296° 50'	+12.7	5.6	89° -	+2.0	-3.6		4781.2		+73	-88	1,288.485	447.368				LAST STA. ON ROAD
470	443		300° 30'	-	5.6	85° 56'	+31.4	+25.8		4810.6		+303	-323	1,288.715	447.133				X - Country to
TP	572	570.2	299° 45' 56"	-	5.8	85° 30'	+44.9	+39.1		4823.9	TP	+385	-421	1,288.777	447.035				471
TP	572				5.7	274° 30'	+44.9	+39.2			TP								- -
	1210		123° 15' 34"	-	+12.6	91° 30'	+31.7	+44.3		4868.2	BS	+870	-841						- -
	1210				+12.7	268° 30'	+31.7	+44.4			BS								- -
471	989		120° 10'	-	4.8	92° 10'	-37.4	-42.2		4826.0		-673	+725	1,288.994	446.919				BACK ON ROAD
472	660		117° 10'	-	6.2	92° 40'	-30.7	-36.9		4831.3		-423	+507	1,289.244	446.701				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-28-86		B. Cotcamp		B. SALDIVAR		6834		B.S		2		45			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		CHERRY-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	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4868.2						
473	330		117 20	+127	6.4	92 40	-15.4	-21.8		4846.4		-212	+253	1,289,455	446,447
474	0				5.1	-		-5.1		4863.1	X	0	0	1,289,667	446,194
475	326		296 50,	-	6.2	93 -	-17.1	-23.3		4844.9		+208	-251	1,289,875	445,943
TP	363		290 21 16	-	7.3	93 -	-19.0	-26.3		4841.9	TP	+198	-304	1,289,865	445,890
TP	363				7.2	267 -	-19.0	-26.2			TP				
	1015		54 31 28	-	7.7	88 30	-26.6	-18.9	4823.0		BS	-393	-936		
	1015				7.4	271 30	-26.6	-19.0			BS				
476	757		60 10,	+127	5.6	89 52	+1.8	-3.8		4819.2		+223	+723	1,289,695	445,677
477	429		61 50	-	5.9	90 10	-1.2	-7.1		4815.9		+114	+413	1,289,586	445,367
478	100		57 -	-	5.9	88 40	+2.3	-3.6		4819.4		+35	+94	1,289,507	445,048
X	0				5.1	-		-5.1		4817.9	X	0	0	1,289,472	444,954
479	232		256 30,	-	6.3	91 -	-4.0	-10.3		4812.7		-3	-232	1,289,469	444,722
480	561		260 40,	-	5.5	91 20	-13.1	-18.6		4804.4		+33	-560	1,289,505	444,394
481	889		259 10,	-	5.9	90 30	-7.8	-13.7		4809.3		+29	-889	1,289,501	444,065
TP	1122		252 37 36	-	4.0	90 20	-6.5	-10.5		4812.5	TP	-91	-1118	1,289,381	443,836
TP	1122				3.9	269 40	-6.5	-10.4			TP				
	976		65 04 51	+127	8.0	89 -	-17.0	-9.0	4803.5		BS	-207	-954		
	976				8.0	271 -	-17.0	-9.0			BS				
482	901		63 50,	-	5.7	89 30	+7.9	+2.2		4805.7		+210	+876	1,289,384	443,758
483	576		67 50	-	6.3	90 10	-1.7	-8.0		4795.5		+95	+568	1,289,269	443,450

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
1-28-86		B. Cotcamp		B. SALDIVAR		6834		B.S.			2		46		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		CHERRY-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
									4803.5						
484	246		69° 10'	+127	6.2	90° 40'	-2.9	-9.1		4794.4		+ 35	+244	1289209	443,126
π	0				5.1	-		-5.1		4798.4	π	0	0	1,289,174	442,882
485	87		266° 10'	-	6.2	91° 40'	-2.5	-8.7		4794.8		+13	-86	1289187	442,796
486	414		254° 35'	-	5.3	91° 20'	-9.6	-14.9		4788.6		-20	-414	1289154	442,468
487	744		253° 40'	-	6.0	91° 36'	-20.8	-26.8		4776.7		-47	-743	1289127	442,139
TP	911		253° 32' 33"	-	9.7	91° 10'	-18.5	-28.2		4775.3	TP	-60	-909	1,289,114	441,973
TP	911				9.7	268° 50'	-18.5	-28.2			TP				
	1172	1171.2	66° 26' 54"	+127.4	7.5	87° 50'	-44.3	-36.8	4738.5		BS	-220	-1150		
	1172				+7.4	272° 10'	-44.3	-36.9			BS				
488	1050		60° 10'	-	6.3	88° -	+36.6	+30.3		4768.8		+309	+1003	1289203	441,826
489	743		55° 04'	-	11.9	88° 26'	+20.3	+8.4		4746.9		+281	+688	1289175	441,511
490	431		61° 15'	-	6.0	89° 50'	+1.3	-4.7		4733.8		+119	+414	1289013	441,237
491	104		56° 05'	-	5.3	89° 50'	+0.3	-5.0		4733.5		+38	+97	1288932	440,920
π	0				5.1	-		-5.1		4733.4	π	0	0	1,288,894	440,823
492	220		244° 10'	+127	5.8	94° 50'	-18.5	-21.3		4714.2		-50	-214	1288844	440,609
493	549		246° 55'	-	5.7	92° 18'	-22.0	-27.7		4710.8		-99	-540	1288795	440,283
TP	700		248° 01' 15"	-	6.2	92° -	-24.4	-30.6		4707.9	TP	-113	-690	1,288,781	440,133
TP	700				6.2	268° -	-24.4	-30.6			TP				
	2499		90° 15' 59"	-	+0.7	-		+0.7	+0.6347085		BS	+561	-2435		
	2499				+0.4	270° -		+0.4			BS		+2		

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1-28-86		B. Cotcamp		B. Cotcamp		6834		B.S		2		47				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
ARIZONA		CHERRY - 7 1/2'		ARIZONA		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
									4708.5							
494	2315		90 -	+12.7	5.2	90° 02'	-1.3	-6.5		4702.0		-509	+2258	1288833	439958	
495	1986		- -	-	6.0	90° 20'	-11.6	-17.6		4690.9		-437	+1937	1288905	439639	
496	1656		- -	-	6.0	90° 46'	-22.2	-28.2		4680.3		-364	+1615	1288978	439315	
497	1326		90 -	-	6.0	90° 54'	-20.8	-26.8		4681.7		-292	+1294	1289005	438994	
498	996		- -	-	5.3	90° 54'	-15.6	-20.9		4687.6		-219	+972	1289123	438672	
499	667		- -	-	6.1	91° 40'	-19.4	-25.5		4683.0		-147	+651	1289195	438351	
500	338		- -	-	6.2	92° 20'	-13.8	-20.0		4688.5		-74	+330	1289268	438030	
501	43		15° 28'	-	4.8	91° 50'	-7.3	-12.1		4696.4		+38	+20	1289380	437720	
π	0				5.1	-		-5.1		4703.4	π	0	0	1,289,342	437700	
502	342		307° 40'	+12.7	5.1	93° 46'	-22.5	-27.6		4680.9		+263	-218	1289605	437482	CHERRY - 7 1/2' ↑
503	602		285° 17'	-	5.0	92° 50'	-29.8	-34.8		4673.7		+282	-532	1289624	437168	Mum BOLT - 7 1/2' ↓
504	883		272° -	-	6.3	90° 38'	-9.8	-16.1		4692.4		+224	-854	1289566	436846	
505	1205		269° 45'	-	4.4	-		-4.4		4704.1		+260	-1177	1289602	436523	
506	1525		272° 40'	-	6.0	89° 50'	+4.4	-1.6		4706.9		+404	-1470	1289746	436230	
507	1832		269° 28'	-	11.3	89° 12'	+25.6	+14.3		4722.8		+386	-1791	1289728	435909	
508	2155		271° 12'	-	11.3	89° 12'	+30.1	+18.8		4727.3		+518	-2092	1289860	435608	
509	2429		275° 20'	-	6.1	89° 18'	+29.7	+23.6		4732.1		+752	-2310	1290094	435390	
TP	2569		276° 21' 27"	-	9.3	89° -	+44.8	+35.5		4744.0	TP	+839	-2428	1,290,181	435,274	
TP	2569				9.2	291° -	+44.8	+35.6			TP		+2			

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
1-28-86		B. Cotcamp		B. SALDIVAR		6834		B.S		2		48							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
ARIZONA		MUMBLOTT-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	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									4744.0										
	2803	2797.8	98° 52' 58"	+12.7	6.3	93° 30'	+171.1	+177.4	4921.4		BS	+1029	-2602						
	2803				6.2	266° 30'	+171.1	+177.3		BS				12					
510	2641	2635.1	97° 50'	-	5.3	93° 50'	-176.6	-181.9		4739.5		-924	+2468	1290286	435142				
511	2338	2331.7	100° 40'	-	6.7	94° 12'	-171.2	-177.9		4743.5		-925	+2140	1290285	434814				
512	2014	2008.6	101° -	-	6.0	94° 12'	-147.5	-153.5		4767.9		-807	+1839	1290403	434513				
513	1704	1699.5	104° 25'	-	4.1	94° 10'	-123.8	-127.9		4793.5		-775	+1513	1290435	434187				
514	1390	1386.1	108° 10'	+12.7	6.3	94° 18'	-104.2	-110.5		4810.9		-711	+1190	1290499	433864				
#	1262	1258.4	109° 47' 36"	-	6.7	94° 20'	-95.4	-102.1		4819.3	IF	-676	+1061	1,290,534	433,735				Y = 1,290,520 X = 433,770 T = 24701
515	1066	1062.6	108° 50'	-	11.3	94° 34'	-84.9	-96.2		4825.2		-556	+906	1290654	433580				
516	745	741.9	106° 25'	-	6.2	95° 16'	-68.4	-74.6		4846.8		-361	+648	1290849	433322				
517	416	413.7	107° 35'	-	7.1	96° -	-43.5	-50.6		4870.8		-209	+357	1291001	433031				
518	168	166.6	63° 35'	-	6.2	97° 26'	-21.7	-27.9		4893.5		+40	+162	1291250	432836				
K	0				5.1	-		-5.1		4916.3	K	0	0	1,291,210	432,674				
519	251		327° 40'	+12.7	5.2	91° 44'	+7.6	-12.8		4908.6		+236	-84	1291446	432590				
520	539		302° 10'	-	6.3	88° 56'	+10.0	+3.7		4925.1		+380	-382	1291590	432292				
521	859		301° 10'	-	5.0	88° 30'	+22.5	+17.5		4938.9		+595	-619	1291805	432055				
522	1187		303° 10'	-	6.2	88° 20'	+34.5	+28.3		4949.7		+852	-827	1292062	431847				
523	1517	1516.3	302° 44'	-	4.8	88° 14'	+46.8	+42.0		4963.4		+1080	-1064	1292290	431610				
524	1846	1844.9	303° 08'	-	5.8	88° -	+64.4	+58.6		4980.0		+1323	-1285	1292533	431389				
TP	1988	1986.8	302° 53' 22"	-	9.3	88° -	+67.6	+58.3		4979.7	TP	+1384	-1355.2	1,292,594	431,321				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-28-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S.	LINE NO.	2	PAGE	49
AREA	ARIZONA	TOPO MAP	HUMBOLDT-7 1/2'	STATE	ARIZ.	COUNTY	YAVAPAI	TWP		RANGE		PPM	
												PARTY MANAGER	J. McCLEAN

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			
										4979.7								
	490		112° 48' 06"	+12.7	12.2	91° -	+8.6	+20.8			BS	+285	-399					
	490				+12.1	268° -	+8.6	+20.7	5000.4		BS							
525	253		111° 45'	-	6.6	91° 50'	-8.1	-14.7		4985.7		-143	+209	1292736	431133			
	K 0				5.1	-		-5.1		4995.3	K	0	0	1,292,879	430,924			
526	126		224° 24'	-	6.3	95° 24'	-11.9	-18.2		4982.2		-68	-106	1292811	430818			
527	451		233° 55'	-	6.3	93° 40'	-28.8	-35.1		4965.3		-179	-414	1292700	430510			
528	781		233° 20'	-	5.6	92° 54'	-39.5	-45.1		4955.3		-317	-714	1292562	430210			
529	1111		234° -	+12.7	6.0	92° 20'	-45.2	-51.2		4949.2		-439	-1020	1292440	429904			
530	1446		235° 10'	-	5.6	91° 50'	-46.1	-51.7		4948.2		-543	-1334	1292336	429590			
531	1763		236° 20'	-	6.6	91° 20'	-41.0	-47.6		4952.8		-631	-1646	1292248	429278			
TP	1829		235° 35' 04"	-	3.8	91° 20'	-42.6	-46.4		4954.0	TP	-677	-1699	1,292,202	429,227			
TP	1829				3.7	268° 40'	-42.6	-46.3			TP							
	794		38° 28' 09"	+12.7	4.3	89° -	-13.9	-9.6			BS	-498	-618					
	794				4.2	271° -	-13.9	-9.7	4944.3		BS							
532	536		40° 40'	-	6.5	89° 28'	+5.0	-1.5		4942.8		+320	+430	1292024	429041			
533	206		43° 40'	-	6.2	90° 28'	-1.7	-7.9		4936.4		+114	+172	1291818	428783			
	K 0				5.1	-		-5.1		4939.2	K	0	0	1,291,704	428,611			
534	128		249° 35'	-	6.0	91° -	-2.2	-8.2		4936.1		-17	-127	1291687	428484			
535	458		250° -	-	5.6	91° 20'	-10.7	-16.3		4928.0		-58	-454	1291646	428157			
TP 536	780		246° 29' 33"	-	10.5	91° 10'	-15.9	-26.4		4917.9	TP	-146	-766.2	1,291,558	427,847			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE						
1-28-86		B. Cotcamp		B. SALDIVAR		6834		B.S		2		50						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER				
ARIZONA		MumboloT-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			
										4917.9								
	560		71° 47'	+12.7	8.6	88° -	-19.5	-10.9	4907.0		BS	-54	-557					
	560				+8.5	272° -	-19.5	-11.0			BS		+2					
537	235		71° 20'	-	6.0	88° 40'	5.5	-0.5		4906.5		+24	+234	1,291,528	427,526			
	π	0			5.1	-		-5.1		4901.9	π	0	0	1,291,504	427,292			WASH
538	94		225° 35'	-	5.0	91° 10'	-1.9	-6.9		4900.1		-49	-80	1,291,455	427,212			
539	424		222° 49'	-	4.3	91° -	-7.4	-11.7		4895.3		-241	-349	1,291,263	426,943			
TP	539		221° 05' 16"	--	3.8	90° 24'	-3.8	-7.6		4899.4	TP	-318	-435	1,291,186	426,859			
TP	539				3.8	269° 36'	-3.8	-7.6			TP		+2					
	575		25° 11' 01"	+12.7	8.7	91° -	+10.0	+18.7			BS	-454	-353					
	575				+8.6	269° -	+10.0	+18.6	4918.0		BS		+2					
540	361		22° 45'	-	5.4	91° 30'	-9.4	-14.8		4903.2		+294	+209	1,291,026	426,717			
541	50		347° 10'	-	5.0	89° -	+0.9	-4.1		4913.9		+50	+0	1,290,782	426,508			
	π	0			5.1	-		-5.1		4912.9	π	0	0	1,290,732	426,508			
542	307		235° -	-	6.5	-		-6.5		4911.5		-116	-284	1,290,616	426,224			
543	608		244° 59' 40"	--	13.7	87° 40'	+24.8	+11.1		4929.1	TP	-129	-594	1,290,603	425,916			53 06"
543	608				13.6	272° 20'	+24.8	+11.2			TP		+2					ON pavement
	990		85° 54' 05"	+12.7	14.0	91° -	+17.3	+31.3	4960.4		BS	+148	-979					
	990				13.9	269° -	+17.3	+31.2			BS		+2					
544	660		84° 50'	-	5.8	91° 06'	-12.7	-18.5		4941.9		-87	+654	1,290,664	425,593			
545	330		83° 40'	-	6.2	90° 40'	-3.8	-10.0		4950.4		-37	+328	1,290,714	425,267			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
1-28-86		B. Cotcamp		B. SALDIVAR		6834		B.S			2		51		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		Humboldt-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
									4960.4						
546	0				5.1	-		-5.1		4955.3	TP	0	0	1,290,751	424,939
547	330		258° 50'	+12.7	5.2	89° 40'	+1.9	-3.3		4957.1		+9	-330	1,290,760	424,609
548	660		257° 46'	-	5.8	89° 46'	+2.7	-3.1		4957.3		+5	-660	1,290,756	424,279
549	989		256° 20'	-	5.9	89° 50'	+2.9	-3.0		4957.4		-17	-989	1,290,734	423,950
550	1317		254° 45' 15"	+12.9	6.2	89° 50'	+3.8	-2.4			TP	-54	-1316	1,290,697	423,625
550	1317				6.1	270° 10'	+3.8	-2.3		4958.1	TP		+2		
	3628	3627.3	59° 47' 36"	--	+10.4	91° 10'	+73.9	+84.3	5042.4		BS	-1079	-3463		
	3628				+10.3	268° 50'	+73.9	+84.2			BS		+2		
551	3299		59° 06'	+12.9	5.0	91° 22'	-78.7	-83.7		4958.7		+1019	+3138	1,290,637	423,302
552	2970		58° 40'	-	6.4	91° 28'	-76.0	-82.4		4960.0		+939	+2818	1,290,557	422,982
553	2690		-	-	6.3	91° 40'	-76.8	-83.1		4959.3		+835	+2505	1,290,453	422,669
554	2310		-	-	6.4	91° 52'	-75.2	-81.6		4960.8		+730	+2191	1,290,348	422,355
Bm	2278	276.8	60° 48' 34"	-	11.5	91° 50'	-72.9	-84.4		4958.0	Bm	+639	+2185	1,290,257	422,349
555	1980		58° 40'	+12.9	6.8	92° -	-69.1	-75.9		4966.5		+626	+1878	1,290,244	422,042
556	1650		-	-	6.4	92° 04'	-59.5	-65.9		4976.5		+522	+1565	1,290,140	421,729
557	1320		-	-	4.7	92° 04'	-47.6	-52.3		4990.1		+417	+1252	1,290,035	421,416
558	990		-	-	6.0	91° 54'	-32.8	-38.8		5003.6		+313	+939	1,289,931	421,103
559	660		-	-	5.0	91° 46'	-20.3	-25.3		5017.1		+209	+626	1,289,827	420,790
560	330		-	-	5.2	91° 26'	-8.3	-13.5		5028.9		+104	+313	1,289,722	420,477
561	0				5.1	-		-5.1		5037.3	TP	0	0	1,289,618	420,164

1,290,295 x - 422,365
Bm. EL. 4958.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE						
1-28-86		B. Cotcamp		B. SALDIVAR		6834		B.S		2		52						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER				
ARIZONA		Humboldt - 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			
									5042.4									
562	330		238° 37'	+12.9	5.1	89° 18'	+4.0	-1.1		5041.3		-105	-313	1,289,513	419,851			
563	660		- -	-	5.4	89° 36'	+4.6	-0.8		5041.6		-209	-626	1,289,409	419,538			
564	990		- -	-	5.0	89° 58'	+0.6	-4.4		5038.0		-314	-939	1,289,304	419,225			
565	1320		238° 43' 10"	-	13.0	89° 56'	+1.5	-11.5		5030.9	TP	-416	-1253	1,289,202	418,913			
565	1320				12.9	270° 04'	+1.5	-11.4			TP							
	4288	4283.6	59° 04' 10"	+12.9	+8.7	87° 24'	-194.5	-185.8			BS	-1326	-4073					
	4288				+11.1	272° 38'	-197.0	-185.9	4845.0		BS							
566	3960	3955.9	59° 04'	-	5.1	87° 24'	+179.6	+174.5		5019.5		+1225	+3762	1,289,101	418,604			
567	3630	3626.3	- -	-	5.0	87° 24'	+164.7	+159.7		5004.7		+1123	+3448	1,288,999	418,290			
568	3300	3296.7	- -	-	6.3	87° 26'	+147.8	+141.5		4986.5		+1021	+3135	1,288,897	417,977			
569	2970	2967.3	- -	-	5.6	87° 32'	+127.8	+122.2		4967.2		+919	+2822	1,288,795	417,664			
570	2640	2637.8	59° 04'	+12.9	5.9	87° 38'	+109.0	+103.1		4948.1		+817	+2508	1,288,693	417,350			
571	2310	2308.2	- -	-	6.9	87° 44'	+91.4	+84.5		4929.5		+715	+2195	1,288,591	417,037			
572	1980	1978.7	- -	-	6.3	87° 56'	+71.4	+65.1		4910.1		+613	+1882	1,288,489	416,724			
573	1650	1649.1	- -	-	6.3	88° 06'	+54.7	+48.4		4893.4		+511	+1568	1,288,387	416,410			
574	1320	1319.4	- -	-	6.3	88° 12'	+41.5	+35.2		4880.2		+408	+1255	1,288,284	416,097			
575	990		59° 04'	+12.9	6.2	88° 12'	+31.1	+24.9		4869.9		+306	+941	1,288,182	415,783			
576	660		- -	-	5.3	88° 12'	+20.7	+15.4		4860.4		+204	+628	1,288,080	415,470			
577	330		- -	-	4.6	88° 12'	+10.4	+5.8		4850.8		+102	+314	1,287,978	415,156			
578	0				5.1	-		-5.1		4839.9	X	0	0	1,287,876	414,842			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-28-86		B. Catcamp		B. Saldívar		6834		B.S		2		53			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		Humboldt - 7 1/2'		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 TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4845.0						
579	330		239° 04'	+129	6.3	92° -	-11.5	-17.8		4827.2		-102	-314	1,287,774	414,528
580	660		- -	-	5.4	92° 18'	-26.5	-31.9		4813.1		-204	-628	1,287,672	414,214
581	990	989.1	- -	-	5.2	92° 24'	-41.5	-46.7		4798.3		-306	-941	1,287,570	413,901
582	1320	1318.8	- -	-	6.3	92° 24'	-55.3	-61.6		4783.4		-408	-1254	1,287,468	413,588
583	1650	1648.6	239° 04'	-	6.7	92° 24'	-69.1	-75.8		4769.2		-510	-1568	1,287,366	413,274
584	1980	1978.2	- -	-	6.6	92° 26'	-84.1	-90.7		4754.3		-612	-1881	1,287,264	412,961
585	2308	2305.9	238° 25' 21"	-	7.9	92° 26'	-98.0	-105.9		4739.1	TP	-738	-2184	1,287,138	412,660
585	2308				7.8	267° 34'	-98.0	-105.8			TP				
	3626	3624.8	47° 32' 16"	+127	6.0	88° 30'	-94.9	-88.9			BS	-1799	-3147		
	3626				+5.9	271° 30'	-94.9	-89.0	4650.1		BS		+2		
586	3300	3299.0	47° 10'	-	4.6	88° 36'	+80.6	+76.0		4726.1		+1656	+2853	1,286,995	412,368
587	2970	2969.1	- -	-	6.6	88° 36'	+72.6	+66.0		4716.1		+1491	+2568	1,286,830	412,083
588	2640	2639.2	- -	-	6.6	88° 36'	+64.5	+57.9		4708.0		+1325	+2283	1,286,664	411,798
589	2310	2309.3	- -	-	6.5	88° 36'	+56.4	+49.9		4700.0		+1159	+1997	1,286,498	411,512
590	1980	1979.4	47° 10'	+127	6.3	88° 36'	+48.4	+42.1		4692.2		+994	+1712	1,286,333	411,227
591	1650		- -	-	6.0	88° 36'	+40.3	+34.3		4684.4		+828	+1427	1,286,167	410,942
592	1320		- -	-	5.8	88° 36'	+32.3	+26.5		4676.6		+663	+1142	1,286,002	410,657
593	990		- -	-	5.8	88° 36'	+24.2	+18.4		4668.5		+497	+856	1,285,836	410,371
594	660		- -	-	5.6	88° 36'	+16.1	+10.5		4660.6		+331	+571	1,285,670	410,086
595	330		- -	-	5.4	88° 36'	+8.1	+2.7		4652.8		+166	+285	1,285,505	409,800

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-28-86		B. Gtcamp		B. SALDIVAR		6834		B.S		2		54			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ARIZONA		Humboldt-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
									4650.1						
596	0				5.1	-		-5.1		4645.0	TP	0	0	1,285,339	409,515
597	330		227 10	+12.7	5.7	91 20	-7.7	-13.4		4636.7		-166	-285	1,285,173	409,230
598	660		- -	-	6.4	91 20	-15.4	-21.8		4628.3		-331	-571	1,285,008	408,944
599	990		- -	-	5.4	91 26	-24.8	-30.2		4619.9		-497	-856	1,284,842	408,659
600	1320		- -	-	5.6	91 26	-33.0	-38.6		4611.5		-663	-1142	1,284,676	408,373
601	1650		227 10	-	5.9	91 26	-41.3	-47.2		4602.9		-828	-1427	1,284,511	408,088
602	1980		227 37	-	6.1	91 26	-49.5	-55.6		4594.5		-981	-1720	1,284,358	407,795
TP	2121	2120.3	228 08 47	-	6.2	91 26	-53.1	-59.3		4590.8	TP	-1033	-1852	1,284,306	407,664
TP	2121				6.1	268 34	-53.1	-59.2			TP		+1		
	1602		71 35 46	+12.7	9.9	89 -	-28.0	-18.1			BS	-159	-1594		
	1602				+9.8	271 -	-28.0	-18.2	4572.6		BS		+1		
603	1420		73 22	-	5.8	89 14	+19.0	+13.2		4585.8		+97	+1417	1,284,244	407,488
604	1098		76 30	-	5.0	89 26	+10.9	+5.9		4578.5		+15	+1098	1,284,162	407,169
605	772		79 26	-	6.4	89 26	+7.6	+1.2		4573.8		-29	+771	1,284,118	406,842
606	444		81 52	-	5.9	89 26	+4.4	-1.5		4571.1		-35	+443	1,284,112	406,514
607	114		- -	-	5.6	89 26	+1.1	-4.5		4568.1		-9	+114	1,284,138	406,185
TP	0				5.1	-		-5.1		4567.5	TP	0	0	1,284,147	406,071
608	216		262 30	+12.7	4.8	90 40	-2.5	-7.3		4565.3		+20	-215	1,284,167	405,856
609	546		262 05	-	4.2	90 40	-6.4	-10.6		4562.0		+46	-544	1,284,193	405,527
610	874		261 40	-	5.3	90 32	-8.1	-13.4		4559.2		+67	-871	1,284,214	405,200

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-28-86	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. SALDIVAR	PARTY NUMBER	6834	NOTES CHECKED BY	B.S	LINE NO.	2	PAGE	55	
AREA	ARIZONA	TOPO MAP	Humboldt - 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				
									4572.6										
611	1203		261° 18'	+127	5.0	90° 32'	-11.2	-16.2		4556.4		+84	-1200	1,284,231	404.871				
612	1533		261° -	-	5.1	90° 26'	-11.6	-16.7		4555.9		+99	-1530	1,284,246	404.541				
613	1863		260° 52'	-	5.1	90° 20'	-10.8	-15.9		4556.7		+116	-1859	1,284,263	404.212				
614	2193		260° 42'	-	6.0	90° 14'	-8.9	-14.9		4557.7		+130	-2189	1,284,277	403.882				
615	2523		260° 26'	-	5.3	90° 12'	-8.8	-14.1		4558.5		+138	-2519	1,284,285	403.552				
616	2853		260° 18'	-	5.8	90° 10'	-8.3	-14.1		4558.5		+149	-2849	1,284,296	403.222				
617	3183		260° 05'	-	4.1	90° 10'	-9.3	-13.4		4559.2		+155	-3179	1,284,302	402.892				
618	3512		259° 51'	-	5.9	90° 04'	-4.1	-10.0		4562.6		+156	-3509	1,284,303	402.562				E.O.L. Line #2
Δ	915		277° 01' 26"	-	2.8	89° 10'	+13.3	+10.5		4583.1	TP	+309	-861	1,284,455	405.210				y-1,284,455 x-405,210
Δ Dewey	915				2.7	270° 50'	+13.3	+10.6			Δ	-							Dewey TRI-stn. El. 4583 Horiz y - 1, 4583 Corr. x = +40'