

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 9/12/79	INSTRUMENT MAN G. Cotcamp	ROD MAN R Turner	PARTY NUMBER 6834	NOTES CHECKED BY R.W.T.	LINE NO. 4	PAGE 1-T
AREA WYOMING - LARANIE	TOPO MAP Ragged Top Mountain	STATE Wyoming	COUNTY Albany	TWP 17N.	RANGE 72W.	PPM
				PARTY MANAGER L.O Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
BM				74°30'											→ scaled	
	1430		291°9'-180°	+14.5°	+124	88°20'	-41.6	-29.2	8233.8		BS	+108-3	+1426+9		USGS 1947 el. 8263	
	1430				+4.2	88°40'	-33.3	-29.1			BS					
X	0				54	-		-5.4			X	0	0	281,665	422,782	horizontal and
TP	1915	1914	65°56.1'	+14.5°	6.1	91°54'	-63.5	-69.6		8164.2	TP	+318-3	+1887+9	281,980	424,660	vertical traverse
TP	1915				13.9	91°40'	-55.7	-69.6			TP					from BM to
	2585	2583	240°2.5'-180°	+14.5°	+7.1	87°50'	-97.7	-90.6	8073.6		BS	+688+3	+2490+9			station 1.
	2585				+14.5	87°40'	-105.2	-90.7			BS					
X	0				5.4	-		-5.4			X	0	0	282,665	427,146	
TP	1230	1229	28°26'	+14.5°	4.1	92°-	-42.9	-47.0		8026.6	TP	+900-3	+837+9	283,562	427,969	
TP	1230				14.9	91°30'	-32.2	-47.1			TP					
	550	548	216°15.2'-180°	+14.5°	+6.6	85°-	-47.8	-41.2	7985.4		BS	+347-3	+424+9			
	550				+3.4	85°20'	-44.6	-41.2			BS					
X	0				5.4	-		-5.4			X	0	0	283,906	428,384	
1	460	457	48°37.3'	+14.5°	11.3	96°-	-47.8	-59.1		7926.3	TP	+207-3	+408-6	284,110	428,786	station 1 Line #4
1	460				14.0	95°40'	-45.2	-59.2			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc. Client-COCORP

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9/11/79		G. Cotcamp		R. Turner		6834		RWT		4		1 of 28			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WYOMING-LARAMIE		Ragged Top Mountain		Wyoming		Albany		17N		72W				L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
												instrument - Wild TIA chaining - 330' steel cable + pins			
1										7926.3					
	965	963	167°19'+180°	+14.5°	+10.6	93°20'	+56.0	+66.6	7992.9		BS	+963-3	+29-6		
2	630	628	166°17'	+14.5°	7.7	95°-	-54.7	-62.4		7930.5		-628	-9	284,492	428,800
3	330	329	158°41'	+14.5°	10.3	94°-	-23.0	-33.3		7959.6		-327	+39	284,743	428,848
4	0				5.4	-		-5.4		7987.5	X	0	0	285,070	428,809
5	330	1	322°13'	+14.5°	3.2	87°-	+17.2	+14.0		8006.9		+303	-130	285,973	428,579
11	438	437	321°12'	+14.5°	7.1	86°-	+30.5	+23.4		8016.3		+398	-180	285,468	428,529
6	660	658	325°25'	+14.5°	6.6	86°-	+45.9	+39.3		8032.2		+618	-226	285,688	428,583
7	990	988	329°54'	+14.5°	7.8	86°-	+68.9	+61.1		8054.0		+952	-266	286,022	428,543
8	1310	1307	331°2'	+14.2°	7.7	86°-	+91.2	+83.5		8076.4	TP	+1264+3	-333-6	286,331	428,470
8	1310				14.7	85°42'	+97.9	+83.2			TP				
	649		148°40'+180°	+14.2°	+12.7	91°-	+11.3	+24.0	8100.4		BS	+620-3	-191-7		
	649				+15.0	90°48'	+9.1	+24.1			BS				
9	330		139°42'	+14.2°	13.7	BH	-1.7	-5.4		8085.0		-296	+145	286,652	428,417
10	0				5.4	-		-5.4		8095.0	X	0	0	286,948	428,272
11	330		309°-	+14.2°	10.3	92°-	-11.5	-21.8		8078.6		+264	-198	287,212	428,074
12	650		318°23'	+14.2°	9.5	92°-	-22.7	-32.2		8068.2		+577	-299	287,525	427,973
13	977		321°3'	+14.2°	1.0	-		-1.0		8099.4	TP	+887-3	-409-7	287,832	427,856
13	977				5.9	TH	+4.9	-1.0			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
9/11/79		G. Cotcamp		R. Turner		6839		RT		4	2					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Wyoming		Ragged Top Mountain		Wyoming		Albany		17N		72W				L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH -	EAST + WEST -		Y	X
												LAT.	DEP.			
13										8099.4						
	641		147° 9.5' +180°	+13.9°	+10.2	91° -	+11.2	+21.4	8120.8		BS	+606-3	-208-7		Sharp curve	
	641				+13.9	90° 40'	+7.5	-21.4			BS					
14	320		135° 50'	+13.9°	14.2	8H	-1.6	-15.8		8105.0		-276	+161	288,159	427,802	
15	0				5.4	-		-5.4		8115.4	π	0	0	288,435	427,641	
16	313		339° 24.3'	+13.9°	5.3	-		-5.3	8115.5		TP	+311-3	-36-7	288,743	427,598	Curve
16	313				6.8	TH	+1.6	-5.2			TP					
	980		169° 10.2' +180°	+13.9°	+6.3	89° -	-17.1	-10.8	8104.7		BS	+979	+52-7			
	980				+0.6	89° 20'	-11.9	-10.8			BS					
17	650		168° 32'	+13.9°	2.6	-		-2.6		8102.1		-649	-28	289,073	427,615	
18	330		163° -	+13.9°	14.2	-		-14.2		8090.5		-330	+18	289,392	427,661	
19	0				5.4	-		-5.4		8099.3	π	0	0	289,722	427,643	
20	330		348° 26'	+13.9°	0.8	88° -	+11.5	+10.7		8115.4		+330	+13	290,052	427,656	
TP	527	526	353° 32.3'	+13.9°	8.3	87° -	+27.5	+19.2	8123.9		TP	+521	+68-6	290,243	427,705	split sta. - hill
TP	527				3.7	87° 30'	+23.0	+19.3			TP					
	456	455	169° 0' +180°	+13.9°	+2.6	86° -	-31.7	-29.1	8094.8		BS	+454	+23-7			
	456				+5.3	85° 40'	-34.4	-29.1			BS					
21	330	329	167° 12'	+13.9°	4.7	86° -	+23.0	+18.3		8113.1		-329	-6	290,368	427,715	
22	0				5.4	-		-5.4		8089.4	π	0	0	290,697	427,721	
23	330	329	333° 9'	+13.6°	10.9	94° -	-23.0	-33.9		8060.9		+320	-75	291,017	427,646	
24	660	659	328° -	+13.6°	12.5	93° -	-34.5	-47.0		8047.8		+625	-208	291,323	427,513	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
9/11/79		G. Catcamp		R. Turner		6834		RWT		4	3					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Wyoming		Ragged Top Mountain		Wyoming		Albany		17N		72w				L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH+ SOUTH-	EAST+ WEST-		Y	X
												LAT.	DEP.			
									8094.8							
25	980		323°43.2'	+13.6°	12.2	91°30'	-25.6	-37.8		8057.0	TP	+904	-378-7	291,601	427,336	Curve
25	980				3.7	92°-	-34.2	-37.9			TP					
	652		142°25'+180°	+13.6°	+9.7	-		+9.7	8066.7		BS	+596	-265-6			curve
	652				+13.0	TH	-3.3	+9.7			BS					
26	330		146°41'	+13.6°	7.0	-		-7.0		8059.7		-311	+111	291,886	427,176	
--11--	142		148°15'	+13.6°	1.2	-		-1.2		8065.5		-135	+44	292,062	427,109	E-W fence (no gate)
27	0				5.4	-		-5.4		8061.3	X	0	0	292,197	427,065	
28	330		325°42'	+13.6°	4.3	-		-4.3		8062.4		+309	-117	292,506	426,948	
29	660		327°7'	+13.6°	12.3	84	-3.3	-15.6		8051.1		+623	-218	292,820	426,847	
30	982		328°19.3'	+13.6°	2.1	TH	+4.9	+2.8		8069.5	TP	+933	-305-7	293,130	426,753	curve
30	982				5.7	89°30'	+8.6	+2.9			TP					
	330		148°25.7'+180°	+13.6°	+11.5	91°-	+5.8	+17.3	8086.8		BS	+314	-102-7			
	330				+5.8	92°-	+11.5	+17.3			BS					
31	0				5.4	-		-5.4		8081.4	X	0	0	293,444	426,644	
32	327		324°6'	+13.2°	13.4	87°30'	+14.3	+0.9		8087.7	TP	+302	-126-6	293,746	426,512	curve
32	327				14.4	87°20'	+15.2	+0.8			TP					
	970		124°27'+180°	+13.2°	+14.9	88°24'	-27.1	-12.2	8075.5		BS	+717	-653-7			curve
	970				+14.3	88°26'	-26.5	-12.2			BS					
33	650		121°27'	+13.2°	17.2	88°40'	+15.1	-2.1		8073.4		-457	+462	294,006	426,314	
3A	330		118°33'	+13.2°	12.8	89°-	+5.8	-7.0		8068.5		-220	+246	294,243	426,098	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9/11/79		G. Cotcamp		R. Turner		6834		R.W.T.		4		4			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Wyoming		Ragged Top Mountain		Wyoming		Albany		17N		72W				L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
									8075.5						
35	0				5.4	-		-5.4		8070.1	π	0	0	294,463	425,852
#	85		282°15'	+13.2°	5.7	-		-5.7		8069.8		+37	-77	294,500	425,775
36	330		284°11'	+13.2°	8.2	88°-	+11.5	+3.3		8078.8		+152	-293	294,615	425,559
37	650		290°48.7'	+13.2°	9.6	89°-	+11.3	+1.7		8077.2	TP	+363	-539-6	294,826	425,307
37	650		1		14.2	88°36'	+15.9	+1.7			TP				
	327		146°17.6'+180°	+13.2°	+12.2	87°-	-17.1	-4.9	8072.3		BS	+306	-115-7		
	327				+14.1	86°40'	-19.0	-4.9			BS				
BM	1395	1374	254°7.6'	+13.2°	48	80°-	+238.6	+233.8		8306.1		-64	-1372	295,068	423,813
38	0				54	-		-5.4		8066.9	π	0	0	295,132	425,185
39	330		354°17'	+13.2°	118	92°-	-11.5	-23.3		8049.0		+327	+43	295,959	425,228
40	655	654	" "	"	5.2	93°-	-39.2	-39.9		8032.9		+648	+85	295,780	425,270
41	980		356°44.2'	+13.2°	14.5	92°-	-34.2	-48.7		8023.6	TP	+966	+158-7	296,098	425,336
41	980	979			6.1	92°30'	-42.7	-48.8			TP				
	960		181°09'-180°	+13.2°	+0.1	-		+0.1	8023.7		BS	+931	+236-6		Curve
	960				+4.8	TH	-4.8	0.0			BS				
42	640		187°9'	+13.2°	0.4	-		-0.4		8023.3		-600	-223	296,429	425,343
43	320		198°56'	+13.2°	8.1	-		-8.1		8015.6		-271	-170	296,758	425,396
44	0				54	-		-5.4		8018.3	π	0	0	297,029	425,566
45	330		20°-	+13.2°	9.9	-		-9.9		8013.8		+276	+181	297,305	425,747

294,995+423,830 (USGS VARM 8305)

Sta. 38 is 35' south of 1/2 in. sect.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
9/12/79		G. Cotcamp		R. Turner		6834		RW		4	5					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
Wyoming		Ragged Top Mountain		Wyoming	Albany		17N/18N	72w		L.O. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									8023.7							
46	643		28°27'	+13.2°	12.7	84	-3.2	-15.9		8007.8	TP	+480	+427-7	297,509	425,986	curve
46	643				4.7	91°	-11.2	-15.9			TP					
	1295		217°28.3'180°	+13.2°	+8.2	89°	-22.6	-14.4			BS	+821	+1002-7			
	1295				+4.6	89°10'	-18.8	-14.3	7993.5		BS					
47	975		218°51'	+13.2°	2.0	-		-2.0		7991.5		-600	-769	297730	426,212	
48	645		215°43'	+13.2°	10.7	-		-10.7		7982.8		-424	-486	297906	426,495	
BM	620		211°43'	+13.2°	6.2	-		-6.2		7987.3		-439	-438	297891	426,543	297775+426,515(S) U.S.G.S. 3R. 19 1997 7988. elevation
49	320		209°	+13.2°	12.0	-		-12.0		7981.5		-237	-215	298093	426,766	
50	0				5.4	-		-5.4		7988.1	TP	0	0	298330	426,981	
51	330		8°24'	+13.2°	10.0	92°	-11.5	-21.5		7972.0		+307	+121	298,637	427,102	
52	640		355°33.7'	+13.2°	13.6	92°	-22.3	-35.8		7957.7	TP	+633	+97-6	298,963	427,072	curve
52	640				14.7	91°59'	-21.2	-35.9			TP					
	980		173°52.3'180°	+13.2°	+10.7	88°	-34.2	-23.5			BS	+972	+121-7			curve
	980				+5.1	88°20'	-28.5	-23.4	7934.3		BS					
53	652		174°	+13.2°	13.3	88°	+22.7	+9.4		7943.7		-647	-82	299,288	427,104	
54	325		171°32'	+13.2°	12.0	88°	+11.3	-0.7		7933.6		-324	-27	299,611	427,159	
55	0				5.9	-		-5.4		7928.9	TP	0	0	299,935	427,186	
56	330		398°2'	+13.2°	14.7	-		-14.7		7919.6		+330	+7	300,265	427,193	
57	655		349°45'	+13.2°	11.0	91°30'	-17.1	-28.1		7906.2		+654	+34	300,589	427,220	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
9/12/79		G. Cotcamp		R. Turner		6834		RW		4		6				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Wyoming		Baldy Mountain		Wyoming		Albany		18 N		72 W				L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									7934.3							
58	982		346° 4.3'	+13.2°	0.7	91°	-17.1	-17.8		7916.5	TP	+982	-12-4	300,917	427,170	Curve
58	982				13.0	BH	-4.9	-17.9			TP					
	935		153° 11' +180°	+13.2°	+6.8	89°	-16.3	-9.5	7907.0		BS	+909	-220-3			S-curve
	935				+14	89° 20'	-10.9	-9.5			BS					
59	630		144° 23'	+13.2°	6.5	-		-6.5		7900.5		-582	+240	301,244	427,187	↓
60	325		136° 16'	+13.2°	14.0	-		-14.0		7893.0		-280	+165	301,546	427,112	
61	0				5.4	-		-5.4		7901.6	X	0	0	301,826	426,947	
62	330		317° 13'	+13.2°	13.0	-		-13.0		7894.0		+287	-163	302,113	426,784	
63	645		323° 5'	+13.2°	11.5	91°	-11.3	-22.8		7884.2		+591	-259	302,417	426,688	
64	950		313° 30'	+13.2°	12.8	91°	-16.6	-29.9		7877.6	TP	+794	-522-5	302,620	426,420	S-curve
64	950				4.6	91° 30'	-29.9	-29.5			TP					
	990		116° 16.8' +180°	+13.2°	+0.5	TH	-5.0	-4.5			BS	+629	-764-5			
	990				+4.2	89° 30'	-8.6	-4.4	7873.2		BS					
65	660		116° 16.8'	+13.2°	2.1	-		-2.1		7871.1		-420	+509	302,829	426,160	
65	590		115° 52'	+13.2°	3.1	-		-3.1		7870.1		-372	+458	302,877	426,109	E-tence (ch gate)
66	330		116° 16.8'	+13.2°	5.9	-		-5.9		7867.3		-210	+255	303,039	425,906	
67	0				5.4	-		-5.4		7867.8	X	0	0	303,249	425,651	↑
68	330		310° 24'	+13.2°	14.8	-		-14.8		7858.4		+266	-196	303,515	425,455	Ragged Top Mountain
69	650		319° 27.3'	+13.2°	4.5	91° 30'	-17.0	-21.5			TP	+577	-299-5	303,826	425,347	Curve Baldy Mountain
69	650				10.1	91°	-11.3	-21.4		7851.8	TP					↓

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	9/12/79	INSTRUMENT MAN	G. Cotcamp	ROD MAN	R. Turner	PARTY NUMBER	6834	NOTES CHECKED BY	RT	LINE NO.	4	PAGE	7	
AREA	Wyoming	TOPO MAP	Baldy Mountain	STATE	Wyoming	COUNTY	Albany	TWP	18 N	RANGE	72 W	PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
69										7851.8						
	805		171°41'+180°	+13.2°	+132	0H	+4.0	+17.2	7869.0		BS	+802	+69-3			
	805				+55	90°50'	+11.7	+17.2			BS					
70	475		171°41'	+13.2°	11.6	-		-11.6		7857.4		-473	-40	304,155	425,373	horiz. correct. y=+36' x=-228'
71	145		"	+13.2°	9.0	-		-9.0		7860.0		-145	-11	304,983	425,402	
BM	80		180°26'	+13.2°	3.5	-		-3.5		7865.5		-78	-19	304,550	425,394	304,550+425,395 (S) U.S.G.S 7AAD 1952 (elev 7866')
TP	0				54	-		-5.4		7863.6	TP	0	0	304,628	425,413	split sta - hill + curve
72	185	184	28°12.6'	+13.2°	10.3	96°	-19.2	-29.5		7839.5		+138	+122	304,766	425,535	
73	490	487	28°12.6'	+13.2°	10.8	96°	-50.9	-61.7			TP	+365-3	+322-2	304,990	425,733	curve
73	490				6.5	96°30'	-55.1	-61.6		7807.4	TP					
	980		179°55'+180°	+13.2°	+1.3	87°	-51.2	-49.9	7757.5		BS	+952-2	+222-2			curve
	980	978			+5.2	86°46'	-55.2	-50.0			BS					
74	660		181°2'	+13.2°	1.8	87°	+34.5	+32.7		7790.2		-640	-162	305,300	425,791	
75	330		"		4.9	85°	+11.5	+6.6		7764.1		-320	-81	305,620	425,872	
76	0				5.4	-		-5.4		7752.1	TP	0	0	305,940	425,959	
77	325	324	339°56'	+13.2°	14.0	94°	-22.6	-36.6		7720.9		+322	-39	306,262	425,914	
77	433	432	338°11'	+13.2°	14.3	94°	-30.1	-44.4		7713.1		+427	-65	306,367	425,888	slab (cl. river)
78	645		335°	+13.2°	13.3	91°	-11.3	-24.6		7732.9		+631	-132	306,571	425,821	
79	920		325°18'	+13.2°	2.0	-		-2.0		7755.5	TP	+856-2	-337-2	306,794	425,614	sharp curve
79	920				6.6	TH	+4.6	-2.0			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
9/12/79		G. Cotcamp		R Turner		6834		RANSOM TURNER		4	8				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER			
Wyoming		Baldy Mountain		Wyoming		Albany		18 N		72 W		L. O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
												LAT.	DEP.		
79										7755.5					
	965		156°21' +180°	+13.2°	+5.3	91°46'	+29.7	+35.0			BS	+949-2	-175-2		
	965				+9.8	91°30'	+25.3	+35.1	7790.6		BS				
80	645		161°48'	+13.2°	7.8	92°-	-22.5	-30.3		7760.3		-643	+56	307,098	425,493
81	325		171°9'	+13.2°	116	92°-	-11.3	-22.9		7767.7		-324	-25	307,417	425,412
82	0				5.4	-		-5.4		7785.2	TP	0	0	307,741	425,437
83	330		359°22'	+13.2°	1.6	TH	+1.7	+0.1		7790.7		+322	+72	308,063	425,509
84	660		357°40.8'	+13.2°	9.0	89°-	+11.5	+2.5		7793.1	TP	+648-2	+125-2	308,387	425,560
84	660				5.2	89°20'	+7.7	+2.5			TP				
	330		158°39' +180°	+13.2°	+4.0	-		+4.0			BS	+327-2	-47-2		
	330				+2.4	BH	+1.7	+4.1	7797.2		BS				
85	0				5.4	-		-5.4		7791.8	TP	0	0	308,712	425,511
86	330	329	330°31.4'	+13.2°	12.5	74°-	-23.0	-35.5		7761.7	TP	+316-2	-92-2	309,026	425,417
86	330				8.7	99°40'	-26.8	-35.5			TP				
	922		208°44' -180°	+13.2°	+12.5	-		+12.5	7774.2		BS	+686-2	+616-2		S-curve
	922				+7.8	BH	+4.6	+12.4			BS				
87	600		211°53'	+13.2°	14.3	92°-	-20.9	-35.2		7739.0		-424	-425	309,286	425,606 south side of creek
88	290	289	198°10'	+13.2°	121	99°-	-20.2	-32.3		7741.9		-247	-150	309,463	425,881 no bridge
89	0				5.4	-		-5.4		7768.8	TP	0	0	309,710	426,031
90	330		347°30'	+13.2°	4.7	-		-4.7		7769.5		+330	+4	310,040	426,035

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
9/12/79		G. Cotcamp		R. Turner		6834		RANSOM TURNER		4	9					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
Wyoming		Baldy Mountain		Wyoming	Albany		18N	72W		L.O. Davis						
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	
									7774.2							
91	630	629	332°42.5'	+12.9°	5.6	87°30'	+27.5	+21.9		7796.1	TP	+609.2	-156.2	310,317	425,873	
91	630				7.4	87°20'	+29.3	+21.9			TP					
	330		107°45'+180°	+12.9°	+6.2	93°40'	+21.1	+27.3			BS	+168.2	-284.2			
	330				+10.0	93°	+17.2	+27.2	7823.3		BS					
92	0				5.4	-		-5.4		7817.9	X	0	0	310,483	425,587	
93	330		317°15'	+12.9°	6.5	88°	+11.5	+5.0		7828.3		+286	-164	310,769	425,423	
94	660		319°12.7'	+12.9°	7.7	88°	+23.0	+15.3			TP	+583.2	-309	311,064	425,278	
94	660			+12.9°	3.9	88°20'	+19.2	+15.3		7838.6	TP					
	640		166°31.6'+180°	+12.3°	+3.0	92°	+22.3	+25.3	7863.9		BS	+640	-13			curve
	640				+8.6	91°30'	+16.7	+25.3			BS					
95	330		177°19'	+12.3°	10.7	92°	-11.5	-22.2		7841.7		-325	-54	311,379	425,211	
96	0				5.4	-		-5.4		7858.5	X	0	0	311,704	425,265	
97	330		314°	+12.3°	4.9	88°	+11.5	+6.6		7870.5		+275	-183	311,979	425,082	
98	643		328°4'	+12.3°	10.0	86°30'	+39.2	+29.2			TP	+605	-216	312,309	425,049	curve
98	643	642			8.2	86°40'	+37.3	+29.1		7893.0	TP					
	650		125°4.8'+180°	+12.3°	+14.4	91°24'	+15.9	+30.3	7923.3		BS	+478	-440			
	650				+9.5	91°50'	+20.8	+30.3			BS					curve
99	325		125°4.8'	+12.3°	13.5	91°	-5.7	-19.2		7904.1		-239	+220	312,548	424,829	
100	0				5.4	-		-5.4		7917.9	X	0	0	312,787	424,609	set-up opposite sta.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
9/13/79		G. Cotcamp		R Turner		6834		RWT		4	10				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Wyoming		Baldy Mountain		Wyoming		Albany		18 N	72 W		L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									7923.3						
101	330		307°32.8'	+11.8°	13.0	86°-	+23.0	+10.0		7933.3	TP	+250	-214	313,037	424,395
101	330	329			9.2	86°46'	+19.2	+10.0			TP				
	1320		135°57.2'+180°	+11.8°	+11.7	-		+11.7	7945.0		BS	+1116	-704		
	1320				+5.1	84	+6.6	+11.7			BS				
102	990		135°57.2'	+11.8°	9.9	-		-9.9		7935.1		-837	+528	313,316	424,219
BM	958		139°29'	+11.8°	7.7	-		-7.7		7937.3		-797	+532	313,356	424,223
103	660		135°57.2'	+11.8°	8.4	-		-8.4		7936.6		-549	+366	313,604	424,057
104	330				4.3	-		-4.3		7940.7		-279	+176	313,874	423,867
105	0				5.4	-		-5.4		7939.6	π	0	0	314,153	423,691
106	330		315°45'	+11.8°	11.5	-		-11.5		7933.5		+278	-177	314,431	423,514
107	660				14.0	91°-	-11.5	-25.5		7919.5		+557	-354	314,710	423,337
108	990				11.6	91°-	-17.3	-28.9		7916.1		+835	-531	314,988	423,160
109	1283		320°4.2'	+10.8°	2.1	-		-2.1		7942.9	TP	+1121.8	-625.3	315,266	423,063
109	1283				8.5	TH	+6.4	-2.1			TP				sharp bend - dirt road
	990		180°42.2'-180°	+10.8°	+5.6	91°-	+17.3	+22.9	7965.8		BS	+970.8	+197.3		
	990				+14.3	90°30'	+8.6	+22.9			BS				
110	660		181°14'	+10.8°	14.0	91°-	-11.5	-25.5		7940.3		-645	-138	315,583	423,119
111	330				10.7	91°-	-5.8	-16.5		7949.3		-323	-69	315,905	423,188
112	0				5.4	-		-5.4		7960.4	π	0	0	316,228	423,257
113	330		352°49.2'	+10.8°	14.8	93°-	-17.2	-32.0		7933.8		+329	+21	316,557	423,278

USGS 8480 1953 elev. 7936'

in field (walk only)

sharp bend - dirt road

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
9/13/79		G. Cotcamp		R. Turner		6834		RANSOM TURNER		4	11					
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER								
Wyoming		Baldy Mountain	Wyoming	Albany	18N	72W		L.O. Davis								
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									7965.8							
114	660		352°49.2'	+10.8°	11.9	91°	-11.5	-23.4		7942.4		+659	+42	316,887	423,299	
115	990		" "		8.9	91°	-17.3	-26.2		7939.6		+988	+63	317,216	423,320	
116	1320		352°49.2'	+10.8°	8.3	91°	-23.0	-31.3			TP	+1318	+72	317,538	423,326	
116	1320			+10.3°	14.5	90°44'	-16.9	-31.4		7934.4	TP					
	1305		173°59.6' +180°	+10.0°	+39	89°30'	-11.4	-7.5	7926.9		BS	+1302	+91			
	1305				+77	89°20'	-15.2	-7.5			BS					
117	980		173°59.6'	+10.0°	2.8	TH	+4.9	+2.1		7929.0		-978	-68	317,854	423,346	
118	650		" "		11.8	91°	-11.3	-23.1		7903.8		-648	-45	318,184	423,369	
119	325		172°50'	+10.0°	11.6	92°	-11.3	-22.9		7904.0		-325	-16	318,507	423,398	
119	111		186°55'	+10.0°	7.6	-	-	-7.6		7919.3		-106	-32	318,726	423,382	el. 7919.7 E-W fence (Line #3)
120	0				54	-	-	-5.4		7921.5	TP	0	0	318,832	423,414	
121	330		356°18'	+10.0°	12.5	-	-	-12.5		7914.4		+328	+36	319,160	423,450	
122	632		11°44'	+10.0°	14.5	0H	-3.2	-17.7		7909.2	TP	+587.5	+234.2	319,414	423,646	in field (walkonly)
122	632				6.6	91°	-11.0	-17.6			TP					
	660		218°46.3' +180°	+10.0°	+4.2	-	-	+4.2	7913.4		BS	+435.5	+496			
	660				+7.5	TH	-3.3	+4.2			BS					
123	330		218°46.3'	+10.0°	5.1	-	-	-5.1		7908.3		-217	-248	319,627	423,894	in field
124	0				54	-	-	-5.4		7908.0	TP	0	0	319,844	424,142	
U.E.	547		168°36'	+10.0°	3.5	-	-	-3.5		7909.9		-547	+13	319,297	424,155	U.E. (uses) elev 7908'
125	330		4°19'	+10.0°	12.7	-	-	-12.7		7900.7		+320	+82	320,164	424,224	air road 7909.9 (notes)

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
9/13/79		G. Cotcamp		R. Turner		6834		PWT		4	12						
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER									
Wyoming		Baldy Mountain	Wyoming	Albany	18 N	72 W		L. O. Davis									
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH+	EAST+	COORDINATES		REMARKS	
												SOUTH-	WEST-	Y	X		
									7913.4								
126	655		0° 29.4'	+10.0°	144	90° 30'	-5.7	-20.1		7893.3	TP	+644.5	+119	320,483	424,261	curve	
126	655				86	91°	-11.4	-20.0			TP						
	977		161° 28' +180°	+10.0°	+6.1	91°	+17.0	+23.1	7916.4		BS	+966.5	-145			S-curve	
	977				+14.7	90° 30'	+8.5	+23.2			BS					" "	
127	655		166° 6'	+10.0°	142	84	-3.3	-17.5		7898.9		-653	+45	320,791	424,161	" "	
128	330		171° 39'	+10.0°	134	-		-13.4		7903.0		-330	-9	321,114	424,107		
129	0				54	-		-5.4		7911.0	TP	0	0	321,444	424,116		
130	325		5° 34'	+10.0°	2.3	-		-2.3		7914.1		+313	+87	321,757	424,203		
131	650		1° 19.4'	+10.0°	6.3	89°	+11.3	+5.0		7921.4	TP	+637.5	+128	322,076	424,244	curve	
131	650				2.6	89° 20'	+7.6	+5.0			TP						
	655		176° 46' +180°	+10.0°	+7.1	87° 30'	-28.5	-21.4	7900.0		BS	+650.5	+78				
	655				+5.2	87° 40'	-26.6	-21.4			BS						
132	330		181° 59'	+10.0°	1.5	88°	+11.5	+10.0		7910.0		-323	-68	322,398	424,254		
133	0				54	-		-5.4		7894.6	TP	0	0	322,721	424,322		
134	325		351° 49'	+10.0°	14.0	92° 40'	-15.1	-29.1		7870.9		+325	+10	323,046	424,332		
135	637		2° 57.9'	+10.0°	12.8	92° 20'	-25.9	-38.7		7861.3	TP	+621.5	+143	323,337	424,465	sharp curve	
135	637				9.1	92° 40'	-29.6	-38.7			TP						
	960		197° 14.6' -180°	+10.0°	+6.3	89°	-16.7	-10.4	7850.9		BS	+854.5	+439			curve	
	960				+11.9	88° 40'	-22.3	-10.4			BS						
136	645		191° 2'	+10.0°	1.6	-		-1.6		7849.3		-602	-231	323,584	424,673	" "	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
9/13/79		G. Cotcamp		R. Turner		6834		RUT		4	13						
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER									
Wyoming		Baldy Mountain	Wyoming	Albany	18N	72W		L.O. Davis									
STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									7850.9								
137	32.5		186° -	+10.0°	8.1	-		-8.1		7842.8		-312	-90	323874	424,814		
BM	240		172° 59'	+10.0°	4.2	-		-4.2		7846.7		-240	-12	323946	424,892	323,950 + 424,885 (6) U.S.G.S. 9 ARD 1953	
--H--	182		176° 20'	+10.0°	2.9	-		-2.9		7848.0		-181	-20	324,005	424,884	E-W fence	
138	0				5.4	-		-5.4		7845.5	X	0	0	324,186	424,904		
139	330		352° 8'	+10.0°	14.2	92° -	-11.5	-25.7		7825.2		+330	+12	324,516	424,916		
140	658		352° 49.5'	+9.3°	8.6	92° -	-23.0	-31.4		7,819.5	TP	+658.2	+24	324,846	424,928		
140	658				14.2	91° 30'	-17.2	-31.4			TP						
	960	957	211° 15.2' - 180°	+9.3°	+13.3	85° 30'	-75.1	-61.8	7757.7		BS	+727.2	+622			sharp curve	
	960				+12.3	85° 34'	-74.0	-61.7			BS						
141	635	633	213° 28'	+9.3°	6.9	85° 30'	+49.7	+42.8		7800.5		-465	-430	325,110	425,120		
142	320	319	226° 27'	+9.3°	5.4	85° 30'	+25.0	+19.6		7777.3		-180	-264	325,395	425,286		
143	0				5.4	-		-5.4		7752.3	X	0	0	325,575	425,550		
144	315		8° 12'	+9.3°	12.8	93° -	-16.5	-29.3		7728.4		+300	+95	325,875	425,695	S-curve	
145	645	644	5° 19'	+9.3°	13.3	93° -	-33.7	-47.0		7710.7		+623	+163	326,198	425,713		
146	760	959	9° 52'	+9.3°	8.9	92° -	-33.5	-42.4		7,715.3	TP	+910.2	+302	326,487	425,852		
146	960			+9.0°	6.1	92° 10'	-36.3	-42.4			TP						
	1630		176° 27' + 180°	+9.0°	+13.0	90° 50'	+23.7	+36.7	7752.0		BS	+1623.2	+155			curve	
	1630				+14.9	90° 46'	+21.8	+36.7			BS						
147	1320		174° 15'	+9.0°	13.0	90° 40'	-15.4	-28.4		7723.6		-1318	-75	326,794	425,932		
148	990				6.0	91° -	-17.3	-23.3		7728.7		-988	-56	327,124	425,951		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9/13/79		G. Cotcamp		R. Turner		6834		RWT		4		14			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Wyoming		Baldy Mountain		Wyoming		Albany		18N/19N		72W				L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									7752.0						
149	660		174°15'	+9.3°	128	84	-3.3	-76.1		7735.9		-659	-41	327,453	425,966
150	330		178°6'	+9.3°	129	-		-12.9		7739.1		-327	-43	327,785	425,967
151	0				54	-		-5.4		7746.6	π	0	0	328,112	426,007
152	330		0°39'	+8.7°	1.9	-		-1.9		7750.1		+326	+54	328,438	426,061
153	660		" "	"	78	89°-	+11.5	+3.7		7755.7		+651	+107	328,763	426,114
154	985		356°45'	+8.7°	9.8	89°-	+17.2	+7.4		7759.4		+981	+94	329,093	426,101
154	1140		354°9.8'	+8.7°	13.1	88°50'	+23.2	+10.1		7762.1		+1139	+57	329,251	426,067
155	1295		357°8'	+8.7°	149	89°-	+22.6	+7.7			TP	+1288+2	+132	329,402	426,139
155	1295				11.2	89°0'	+18.8	+7.6		7759.6	TP				
	326		215°11.2'-180°	+8.7°	+4.7	-		+4.7	7764.3		BS	+235+2	+226		
	326				+6.9	TH	-1.6	+4.8			BS				
156	0				54	-		-5.4		7758.9	π	0	0	329,639	426,365
157	330		2°34.4'	+8.7°	6.1	88°-	+11.5	+5.4		7769.7		+324	+65	329,963	426,430
158	660		" "	"	2.0	88°-	+23.0	+21.0		7785.3		+647	+129	330,286	426,994
159	990	989	2°34.4'	+8.7°	6.1	87°40'	+40.3	+34.2			TP	+970+2	+193	330,611	426,558
159	990				9.0	87°30'	+43.1	+34.1		7798.4	TP				
	660		167°25.3'+180°	+8.7°	+13.7	89°-	-11.5	+2.2			BS	+658+2	-95		
	660				+14.9	88°54'	-12.7	+2.2	7800.6		BS				
160	330		167°25.3'	+8.7°	9.7	89°-	+5.8	-3.9		7796.7		-329	+22	330,942	426,535
160	88		172°20'	+8.7°	2.0	89°-	+1.5	-0.5		7800.1		-88	-2	331,183	426,511

Y-Intersect. elev. 7799'

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 9/13/79	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Turner	PARTY NUMBER 6834	NOTES CHECKED BY RWT	LINE NO. 4	PAGE 15
AREA Wyoming	TOPO MAP Baldy Mountain	STATE Wyoming	COUNTY Albany	TWP 19N	RANGE 72w	PPM
			PARTY MANAGER L.O. Davis			

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
									7800.6							
161	0				5.4	-		-5.4		7795.2	π	0	0	331,271	426,513	
162	330		346°47'	+8.7°	7.9	93°	-17.2	-25.1		7775.5		+329	-26	331,600	426,487	
163	660		" "	"	10.8	91°	-11.5	-22.3		7778.3		+658	-52	331,929	426,461	
164	990		346°47'	+8.7°	6.7	91°	-17.3	-24.0		7776.6	TP	+987	-78	332,258	426,435	
164	990				12.5	90°40'	-11.5	-24.0			TP					
	180		159°0'+180°	+8.7°	+10.4	-		+10.4	7787.0		BS	+176	-38			
	180				+11.3	TH	-0.9	+10.4			BS					
π	0				5.4	-		-5.4		7781.6	π	0	0	332,434	426,397	split sta. - step hill
165	150		316°21'	+8.7°	8.5	94°	-10.4	-18.9		7768.1		+123	-86	332,557	426,311	
166	480	479	311°12.2'	+8.7°	11.9	94°	-33.4	-45.3		7741.7	TP	+366	-309	332,800	426,088	
166	480				14.7	93°40'	-30.6	-45.3			TP					
	1275		154°46.8'+180°	+8.7°	+12.3	-		+12.3	7754.0		BS	+1222	-363			
	1275				+5.9	TH	+6.4	+12.3			BS					S-curve
167	965		155° -	+8.7°	14.9	TH	-4.8	-19.7		7734.3		-926	+271	333,096	425,996	" "
168	655		165°21'	+8.7°	9.3	-		-9.3		7744.7		-651	+68	333,371	425,793	" "
169	330		" "	"	6.7	-		-6.7		7747.3		-328	+34	333,694	425,759	
170	0				5.4	-		-5.4		7748.6	π	0	0	334,022	425,725	
171	330		350°56'	+8.7°	13.0	-		-13.0		7741.0		+330	-2	334,352	425,723	
-H-	450		347°53'	+8.7°	10.3	-		-10.3		7743.7		+449	-27	334,471	425,698	E-W fence
BM	550		331°59'	+8.7°	1.6	TH	+2.8	+1.2		7755.2		+519	-182	334,541	425,543	U.S.G.S. 10ARD 1952 (elev) 7754

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN			ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
9/14/79		G. Cotcamp			R. Turner		6834		RWT			4		16		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Wyoming		Baldy Mountain		Wyoming		Albany		19N		72W				L. O. Davis		
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									7754.0							
172	656		347° 9.1'	+12.9°	14.7	84°	-3.3	-18.0)		7736.0	TP	+656	+1.2	334,678	425,728	curve
172	656				6.5	91°-	-11.4	-17.9)			TP					
	1320	1319	147° 26' +180°	+12.9°	+13.7	88°-	-46.0	-32.3)			BS	+1242	-444.3			
	1320				+6.0	88°20'	-38.4	-32.4)	7703.6		BS					
173	990		146° 44'	+12.9°	6.5	88°30'	+25.9	+19.4		7723.0		-928	+345	334,992	425,632	
174	660		" "	"	4.1	89°-	+11.5	+7.4		7711.0		-619	+230	335,301	425,517	
175	330		" "	"	1.4	-		-1.4		7702.0		-309	+115	335,611	425,402	
176	0				5.4	-		-5.4		7698.2	X	0	0	335,920	425,287	
177	330		317° 50'	+12.9°	11.5	91°-	-5.8	-17.3		7686.3		+288	-161	336,208	425,126	
178	660		" "	"	10.0	91°-	-11.5	-21.5		7682.1		+576	-323	336,496	424,964	
179	977		324° 26.5'	+12.9°	10.8	91°-	-17.0	-27.8)			TP	+902	-376.2	336,822	424,913	curve
179	977				8.0	91°10'	-19.9	-27.9)		7675.7	TP					
	990	989	160° 18.5' +180°	+12.9°	+12.1	87°-	-51.7	-39.6)	7636.1		BS	+982	-117.1			
	990				+8.2	87°14'	-47.7	-39.5)			BS					
180	660	659	162° 53'	+12.9°	5.5	87°-	+34.5	+29.0		7665.1		-657	+48	337,147	424,845	
181	330		166° 2'	+12.9°	2.5	87°-	+17.2	+14.7		7650.8		-330	+6	337,474	424,803	
≡	11		169° 8'	+12.9°	5.4	-		-5.4		7630.7		-11	+1	337,793	424,798	bridge elev. 7630'
182	0				5.4	-		-5.4		7630.7	X	0	0	337,804	424,797	
183	330		347° 39'	+12.9°	0.9	-		-0.9		7635.2		+330	+3	338,134	424,800	
184	653		351° 5'	+12.9°	6.2	89°-	+11.4	+5.2		7641.3		+651	+45	338,455	424,842	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
9/14/79		G. Cotcamp		R. Turner		6834		RWT		4	17					
AREA		TOPO MAP		STATE		COUNTY		RANGE		PARTY MANAGER						
Wyoming		Baldy Mountain		Wyoming		Albany		72w		L. O. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									7636.1							
185	978		349° 42.9'	+12.9°	6.1	88° 30'	+25.6	+19.5)			TP	+977	+45	338,781	424,842	S-curve
185	978				9.0	88° 20'	+28.4	+19.4)		7655.5	TP					
	970		173° 8.7' +180°	+12.9°	+6.0	92° -	+33.8	+39.8)			BS	+965	+102			
	970				+14.4	91° 30'	+25.4	+39.8)	7695.3		BS					curve
186	655		179° 51'	+12.9°	11.9	92° 20'	-26.6	-38.5		7656.8		-639	-145	339,107	424,799	" "
187	330		182° 26'	+12.9°	11.5	93° -	-17.2	-28.7		7666.6		-318	-87	339,428	424,857	
188	0				5.9	-		-5.4		7689.9	X	0	0	339,746	424,944	
189	330		358° 18.3'	+12.9°	8.2	88° -	+11.5	+3.3		7698.6		+324	+64	340,070	425,008	
190	660	659	" "	"	11.6	87° -	+34.5	+22.9		7718.2		+646	+128	340,392	425,072	
191	990	989	" "	"	8.2	87° 30'	+43.1	+34.9		7730.2		+970	+192	340,716	425,136	
192	1320	1319	358° 18.3'	+12.9°	7.1	87° 30'	+57.5	+50.4)			TP	+1299	+256	341,040	425,200	
192	1320				4.9	87° 36'	+55.2	+50.3)		7745.6	TP					
	657		173° 43.8' +180°	+12.9°	+6.7	92° -	+22.9	+29.6)	7775.2		BS	+653	+76			curve
	657				+14.4	91° 20'	+15.3	+29.7)			BS					
193	330		168° 48'	+12.9°	7.4	92° -	-11.5	-18.9		7756.3		-330	-10	341,363	425,266	
194	0				5.9	-		-5.4		7769.8	X	0	0	341,693	425,276	
195	330		7° 52'	+12.9°	5.6	92° -	-11.5	-17.1		7758.1		+309	+117	342,002	425,393	
196	645		11° 26'	+12.9°	10.1	92° -	-22.5	-32.6		7742.6		+588	+266	342,281	425,542	
197	975		11° -	+12.9°	10.0	-		-10.0		7765.2		+891	+395	342,584	425,671	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN			ROD MAN			PARTY NUMBER		NOTES CHECKED BY			LINE NO.	PAGE		
9/14/79		G. Cotcamp			R. Turner			6834		RWT			4	18		
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER								
Wyoming		Baldy Mountain	Wyoming	Albany	19 N	72 W		L.O. Davis								
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									7775.2							
198	1280		17°29.7'	+12.9°	11.6	-		-11.6		7763.6	TP	+1104	+648.	342,797	425,924	sharp curve
198	1280				10.8	90°2'	0.7	-11.5			TP					
	975		206°14.5'-180°	+12.9°	+7.1	88°-	-34.0	-26.9	7736.7		BS	+756	+615			
	975				+9.3	88°10'	-31.2	-26.9			BS					curve correct y=+16' x=+8' 342,800+425,795(s) (elev) 7774 USGS "11ARD" 1952
BM	1095	1094	213°38'	+12.9°	6.0	87°40'	+44.5	+38.5	7775.2			-753	-794	342,800	425,795	
199	650		209°27'	+12.9°	3.2	88°-	+22.7	+19.5	7756.2			-517	-394	343,036	426,195	curve
200	325		196°16''	+12.9°	7.9	88°.	+11.3	+3.4	7740.1			-284	-158	343,269	426,381	" "
201	0				54	-		-5.4	7731.3		TP	0	0	343,553	426,539	
202	330		0°0'	+13.9°	5.5	89°-	+5.7	+0.2	7736.9			+321	+76	343,874	426,615	
203	655		3°48.5'	+13.9°	1.5	-		-1.5	7735.2		TP	+626-3	+194-2	344,176	426,731	curve
203	655				4.7	TH	+3.3	-1.4			TP					
	660		196°58.8'-180°	+13.4°	+3.2	89°-	-11.5	-8.3	7726.9		BS	+569-3	+334-2			
	660				+5.1	88°50'	-13.4	-8.3			BS					
204	330		201°45'	+13.9°	2.0	-		-2.0	7724.9			-270	-190	344,472	426,873	
205	0				5.9	-		-5.4	7721.5		TP	0	0	344,742	427,063	
206	330		35°32'	+13.6°	11.4	92°-	-11.5	-22.9	7704.0			+216	+250	344,958	427,313	
-H-	570		34°37'	+13.6°	9.8	92°-	-19.9	-29.7	7697.2			+380	+425	345,122	427,488	E-W fence (elev) 7696
207	660		35°32'	+13.6°	9.1	92°-	-23.0	-32.1	7694.8			+432	+499	345,174	427,562	
208	984	983	33°32.5'	+13.6°	6.4	92°-	-34.3	-40.7	7686.2		TP	+669-3	+721-2	345,408	427,782	curve
208	984				15.0	91°30'	-25.8	-40.8			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.	PAGE					
9/17/79		G. Cotcamp		R. Turner		6834		RWT			4	19					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Wyoming		Baldy Mountain		Wyoming	Albany		19N	72W		L.O. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
208										7686.2							
	470		211° 23.8' - 120°	+13.6°	+5.5	89° 20'	-11.3	-5.8			BS	+686.3	+686.2				curve
	970				+11.0	89°	-16.9	-5.9	7680.3		BS						
209	660		218° 22'	+13.6°	2.8	TH	+3.3	+0.5		7680.8		-407	-520	345,684	427,946		
210	330		" "	"	3.1	-	-3.1	-3.1		7677.2		-203	-260	345,888	428,216		
211	0				5.4	-	-5.4	-5.4		7674.9	TP	0	0	346,091	428,466		
212	330		33° 6'	+13.6°	9.0	-	-9.0	-9.0		7671.3		+226	+240	346,317	428,706		
213	660		28° 42.8'	+13.6°	13.4	-	-13.4	-13.4		7666.9	TP	+488.3	+444	346,576	428,910		
213	660				10.1	BH	-3.3	-13.4			TP						
	950		184° 36.4' - 180°	+13.6°	+10.7	89°	-16.6	-5.9	7661.0		BS	+902.3	+297				sharp curve
	950				+5.2	89° 20'	-11.0	-5.8			BS						
214	635		177° 29'	+13.6°	10.0	-	-10.0	-10.0		7,651.0		-623	-122	346,852	429,085		
215	330		162° 35'	+13.6°	10.9	93°	-17.2	-28.1		7,632.9		-329	+22	347,146	429,229		
Y	300		164° 10'	+13.6°	10.9	93°	-15.7	-26.6		7,634.4		-300	+12	347,175	429,219		347,135 + 429,230 (S) intersect.
216	0				5.4	-	-5.4	-5.4		7,655.6	TP	0	0	347,475	429,207		
217	330		10° 15'	+13.6°	1.0	-	-1.0	-1.0		7,660.0		+302	+133	347,774	429,340		
218	660		12° 19'	+13.6°	8.1	89°	+11.5	+3.4		7,664.4		+594	+288	348,069	429,495		
219	963		20° 15.6'	+13.6°	8.8	89°	+16.8	+8.0			TP	+800.3	+537.3	348,272	429,741		sharp curve
219	963				3.3	89° 20'	+11.2	+7.9		7,668.9	TP						
	980		207° 24.3' - 180°	+13.6°	+8.0	-	+8.0	+8.0			BS	+740.3	+643.3				S-curve
	980				+12.9	TH	-4.9	+8.0	7676.9		BS						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9/17/79		G. Cotcamp		R. Turner		6834		RWT		4		20			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Wyoming		Baldy Mountain/Sheep Rock		Wyoming		Albany		19N		72W				L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									7676.9						
220	660		202° 47'	+13.6°	5.6	-		-5.6		7671.3		-531	-392	348,478	429,989
221	330		" "	" "	7.3	-		-7.3		7669.6		-266	-196	348,743	430,185
222	0				5.4	-		-5.4		7671.5	π	0	0	349,009	430,381
	66		24° 5'	+13.6°	5.0	-		-5.0		7671.9		+52	+40	349,061	430,421
BM	160		48° 30'	+13.6°	4.1	-		-4.1		7672.8		+75	+141	349,084	430,522
223	330		46° 15'	+13.6°	12.8	-		-12.8		7664.1		+166	+285	349,175	430,666
---/---	596		45° 18'	+13.6°	14.2	84	-3.0	-17.2		7659.7		+308	+570	349,317	430,891
224	660		46° 15'	+13.6°	8.1	91°	-11.5	-19.6		7657.3		+331	+571	349,340	430,952
225	990		48° 1'	+13.6°	8.0	91°	-17.3	-25.3		7651.6		+471	+871	349,480	431,252
226	1320		48° 44'	+13.6°	3.8	91°	-23.0	-26.8		7650.1		+613	+1169	349,622	431,550
227	1640		48° 8.3'	+13.6°	0.5	91°	-28.6	-29.1			TP	+776-2	+1445-4	349,783	431,822
227	1640				10.2	90° 40'	-19.1	-29.3		7647.6	TP				
	990		226° 29.6' 180°	+13.2°	+1.3	-		+1.3			BS	+500	+855-3		
	990				+6.2	TH	-5.0	+1.3		7648.9	BS				
228	660		226° 29.6'	+13.2°	2.4	-		-2.4		7646.5		-333	-570	349,950	432,104
229	330		" "	" "	2.8	-		-2.8		7646.1		-167	-285	350,116	432,389
/-----	45		224° 48'	+13.2°	5.3	-		-5.3		7643.6		-24	-38	350,259	432,636
230	0				5.4	-		-5.4		7643.5	π	0	0	350,283	432,674
/-----	190		23° 7'	+13.2°	6.3	-		-6.3		7642.6		+153	+113	350,436	432,787
231	325		16° 16'	+13.2°	8.0	-		-8.0		7640.9		+283	+160	350,566	432,834

Intersect.
 349,040+90,300 (elev.) 7672'
 U.S.G.S 5 TPU 1953
 Baldy Mountain Quad.

Fence line

Sheep Rock Quad.

S-curve

350,290+432,635 (S)
 Intersect.

350,425+432,740 (S)
 T-rod (elev.) 7644

curve

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
9/17/79		G. Cotcamp		R. Turner		6834		RWT		4	21					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
Wyoming		Sheep Rock		Wyoming	Albany		19 N	72 W		L.O. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									7648.9							
232	640		10°24'	+12.9°	4.7	-		-4.7		7644.2		+588	+253	350871	432927	
233	970		12°21'	+12.9°	2.9	TH	+4.9	+2.0		7650.9		+877	+414	351,160	433,088	
234	1295		15°4'	+12.9°	3.6	TH	+6.5	+2.9		7651.8	TP	+1144	+607.2	351,427	433,279	S-curve
234	1295				4.7	89°40'	+7.5	+2.8			TP					
	1320		213°42' - 180°	+12.9°	7.6	89°30'	-11.5	-3.9			BS	+907	+959.2			misread rod
	1320				+14.2	89°10'	-19.2	-5.0	7646.8		BS					
235	990		213°32'	+12.9°	2.5	89°30'	+8.6	+6.1		7652.9		-682	-717	351,652	433,519	
236	660		" "	"	2.0	-		-2.1		7644.7		-955	-478	351,879	433,758	
237	330		" "	"	7.3	-		-7.3		7639.5		-227	-239	352,107	433,997	
238	0				5.9	-		-5.4		7641.4	TP	0	0	352,334	434,236	
239	330		29°3'	+12.9°	12.2	-		-12.2		7634.6		+245	+221	352,579	434,457	
240	660		25°34'	+12.9°	13.2	91°-	-11.5	-24.7		7622.1		+517	+411	352,851	434,647	
241	985		24°11'	+12.9°	13.0	91°-	-17.2	-30.2		7616.6		+786	+594	353,120	434,830	
242	1305		20°27.3'	+12.9°	8.6	91°-	-22.8	-31.4			TP	+1090	+717	353,424	434,953	curve
242	1305				4.7	91°10'	-26.6	-31.3		7615.5	TP					
	985		183°34.8' - 180°	+12.9°	+13.7	88°-	-34.4	-20.7			BS	+995	+279			curve
	985				+5.2	88°30'	-25.8	-20.6	7594.9		BS					
243	660		181°57'	+12.9°	8.8	88°-	+23.0	+14.2		7609.1		-638	-169	353,731	435,063	
244	330		" "	"	8.1	88°-	+11.5	+3.4		7598.3		-319	-85	354,050	435,147	
245	0				5.4	-		-5.4		7589.5	TP	0	0	354,369	435,232	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.	PAGE					
9/17/79		G. Cotcamp		R. Turner		6834		RWT			4	22					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Wyoming		Sheep Rock		Wyoming	Albany		19N	71W12W		L.O. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									7594.9								
246	330		39°48'	+12.9°	8.9	-		-8.9		7586.0		+222	+244	354,591	435,476		
247	655		40°-	+12.9°	12.2	-		-12.2		7582.7		+395	+522	354,764	435,754		
248	980		45°5.2'	+12.9°	11.4	0H	-4.9	-16.3		7578.6	TP	+520	+831	354,889	436,063	Curve	
248	980				5.1	90°40'	-11.4	-16.5			TP						
	990		242°38.7'-180°	+12.9°	+5.3	89°-	-17.3	-12.0	7566.6		BS	+247	+959				
	990				+3.6	89°6'	-15.6	-12.0			BS						
249	660		245°28'	+12.9°	5.9	89°-	+11.5	+5.6		7572.2		-133	-646	355,003	436,376		
250	330		" "	"	2.8	-		-2.8		7563.8		-67	-323	355,069	436,699		
251	0				5.4	-		-5.4		7561.2	X	0	0	355,136	437,022		
252	330		50°28'	+12.9°	3.1	-		-3.1		7563.5		+148	+295	355,284	437,317		
253	660		47°48'	+12.9°	4.8	TH	+3.3	-1.5		7565.1		+323	+576	355,459	437,598		
BM	480		45°12'	+12.9°	6.0	89°-	+8.4	+2.4		7569.0		+254	+408	355,390	437,430	BJPU 355,395+437,410 U.S.G.S. (elev.) 7569	
254	990		46°38'	+12.9°	9.4	89°50'	+2.9	-6.5		7560.1	TP	+502	+853	355,638	437,875		
254	990				11.4	TH	+5.0	-6.5			TP						
	660		207°7.3'-180°	+12.9°	+2.7	-		+2.7	7562.8		BS	+505	+424				
	660				+6.0	TH	-3.3	+2.7			BS						
255	330		209°33'	+12.9°	5.4	-		-5.4		7557.4		-243	-223	355,900	438,076		
256	0				5.4	-		-5.4		7557.4	X	0	0	356,143	438,299		
257	325		11°5'	+12.9°	2.0	-		-2.0		7560.8		+297	+132	356,440	438,431		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
9/17/79		G. Cotcamp		R. Turner		6834		RWT		4	23					
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER								
Wyoming		Sheep Rock	Wyoming	Albany	19N.	71W.		L. O. Davis								
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									7562.8							
258	650		5°46.8'	+12.9°	6.6	TH	+3.3	-3.3			TP	+616	+208	356,759	438,507	curve
258	650				5.3	89°50'	+1.9	-3.4		7559.4	TP					
	660		187°40.4' - 180°	+12.9°	+2.9	-		+2.9			BS	+618	+232			
	660				+6.2	TH	-3.3	+2.9	7562.3		BS					
259	330		187°40.4'	+12.9°	8.9	-		-8.9		7553.4		-309	-116	357,068	438,623	
260	0				5.4	-		-5.4		7556.9	X	0	0	357,377	438,739	
261	330		20°15.1'	+12.9°	11.2	-		-11.2		7551.1		+276	+180	357,653	438,919	
262	660		"	"	11.8	91°-	-11.5	-23.3		7539.0		+553	+361	357,930	439,100	
263	990		20°15.1'	+12.9°	9.4	91°-	-17.3	-26.7		7535.6	TP	+829	+591	358,206	439,280	
263	990				6.5	91°10'	-20.2	-26.7			TP					
	985		193°53.2' - 180°	+12.9°	+9.4	-		+9.4	7545.0		BS	+879	+444			Curve
	985				+14.3	TH	-4.9	+9.4			BS					
264	660		191°17'	+12.9°	12.0	-		-12.0		7533.0		-602	-270	358,483	439,454	
265	330		"	"	5.9	-		-5.9		7539.1		-301	-135	358,784	439,589	
266	0				5.4	-		-5.4		7539.6	X	0	0	359,085	439,724	
267	330		13°1'	+12.9°	10.8	-		-10.8		7534.2		+297	+144	359,382	439,868	
268	660		13°22.5'	+12.9°	12.5	BS	-3.3	-15.8		7529.2	TP	+592	+292-3	359,677	440,013	
268	660				4.3	91°-	-11.5	-15.8			TP					
	1320		183°16' - 180°	+12.9°	+10.4	91°-	+23.0	+33.4			BS	+1268	+368-2			
	1320				+6.5	91°10'	+26.9	+33.4	7562.6		BS					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 9/17/79	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Turner	PARTY NUMBER 6834	NOTES CHECKED BY R WT	LINE NO. 4	PAGE 24
AREA Wyoming	TOPO MAP Sheep Rock	STATE Wyoming	COUNTY Albany	TWP 19N/20N	RANGE 71W	PPM
			PARTY MANAGER L.O. Davis			

STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									7562.6					
269	990		182° 52'	+12.9°	13.9	91°-	-17.3	-31.2		7531.4		-953	-269	359,992 440,110
270	660		" "	"	7.5	91°-	-11.5	-19.0		7543.6		-635	-179	360,310 440,200
271	330		" "	"	13.7	-	-	-13.7		7548.9		-318	-90	360,627 440,289
272	0				5.4	-	-	-5.4		7557.2	↑	0	0	360,945 440,379
273	128		358° 58'	+12.9°	1.5	-	-	-1.5		7561.1	✓	+125	+26	361,070 440,405
273	312		24° 20'	+12.9°	12.0	-	-	-12.0			TP	+248.9	+189	361,184 440,568
273	312				13.6	7H	+1.6	-12.0		7,550.6	TP			
	660		221° 35.4' - 180°	+12.9°	+9.4	87° 50'	-24.9	-15.5			BS	+383.9	+537	
	660				+14.3	87° 24'	-29.9	-15.6	7535.0		BS			
274	330		221° 35.4'	+12.9°	5.6	87° 36'	+14.9	+8.8		7543.8		-192	-269	361,366 440,836
275	0				5.4	-	-	-5.4		7529.6	π	0	0	361,558 441,105
276	330		41° 36'	+12.9°	7.7	93°-	-17.2	-24.9		7510.1		+192	+269	361,750 441,374
277	690		29° 32'	+12.9°	6.2	92°-	-22.3	-28.5		7506.5		+472	+432	362,030 441,537
278	953		21° 34.9'	+12.9°	6.2	91° 30'	-24.9	-31.1		7503.9	TP	+786.9	+540	362,335 441,645
278	953				14.5	91°-	-16.6	-31.1			TP			
	620		197° 42' - 180°	+12.9°	+5.4	89°-	-10.8	-5.4	7498.5		BS	+534.9	+316	
	620				+1.8	89° 26'	-7.2	-5.4			BS			
279	320		187° 12'	+12.9°	6.8	-	-	-6.8		7491.7		-301	-110	362,559 441,851
280	0				5.4	-	-	-5.4		7493.1	π	0	0	362,860 441,961

horiz. correct. y = -26'
x = -35'

361,070 + 440,405 (E)
E-W fence (elev) 7559'

sharp curve

curve

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 9/18/79	INSTRUMENT MAN G. Cotcamp	ROD MAN R Turner	PARTY NUMBER 6834	NOTES CHECKED BY RWT	LINE NO. 4	PAGE 25
AREA Wyoming	TOPO MAP Sharp Rock	STATE Wyoming	COUNTY Albany	TWP 20 N.	RANGE 71 W.	PPM
PARTY MANAGER L. Davis						

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.	
									7498.5					
281	322		336° 55.5'	+12.9°	14.8	91° 14'	-6.9	-21.7			TP	+317.9	-57	363,168 441,904
281	322				134	91° 30'	-8.9	-21.8		7476.7	TP			
	970		199° 36' +180°	+12.9°	+1.3	89° -	-16.9	-15.6	7461.1		BS	+860.9	+448	
	970				+9.7	88° 30'	-25.4	-15.7			BS			S-curve
282	650		188° 10'	+12.9°	14.7	89° 30'	+5.7	-9.0		7452.1		-607	-234	363,412 442,118
283	330		192° 35'	+12.9°	8.4	-	-	-8.4		7452.7		-298	-142	363,721 442,210
284	0				5.4	-	-	-5.4		7455.7	TP	0	0	364,019 442,352
285	330		2° 1'	+12.9°	14.6	92° -	-11.5	-26.1		7435.0		+319	+85	364,338 442,437
286	660		"	"	11.1	91° -	-11.5	-22.6		7438.5		+638	+170	364,657 442,522
287	980		0° 11.4'	+12.9°	10.9	-	-	-10.9		7450.2	TP	+955.9	+222	364,965 442,574
287	980				6.0	BH	-4.9	-10.9			TP			curve
	540		158° 25.9' +180°	+12.9°	+7.9	89° -	-9.4	-1.5	7448.7		BS	+534.9	-81	
	540				+1.2	TH	-2.7	-1.5			BS			
288	210		155° 2'	+12.9°	8.9	-	-	-8.9		7439.8		-205	+44	365,285 442,537
BM	42		130° 56.5'	+12.9°	1.7	-	-	-1.7		7447.0		-34	+25	365,456 442,518
TP	0				5.4	-	-	-5.4		7443.3	TP	0	0	365,490 442,493
289	120		19° 36'	+12.9°	14.1	94° -	-8.4	-22.5		7426.2		+101	+64	365,591 442,557
290	450	448	25° 24'	+12.9°	8.1	96° -	-46.8	-54.9		7393.8		+352	+278	365,842 442,771
291	780	778	23° 48'	+12.9°	13.4	94° -	-54.3	-67.7		7381.0	TP	+624.9	+464	366,105 442,961
291	780				14.8	93° 54'	-52.9	-67.7			TP			split sta. - steep hills curve

365,460-442,490 (elev) 7447' U.S.G.S. 75Fv 1953

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.	PAGE						
9/18/79		G. Cotcamp		R. Turner		6834		RWT			4	27						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
Wyoming		Indian Guide		Wyoming	Albany		20N	71W		L.O. Davis								
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS		
												LAT.	DEP.	Y	X			
									7248.5									
303	155		176° 10'	+13.7°	4.9	87° -	+8.1	+3.2		7251.7		-153	-27	369,049	445,243			
0	π				5.4	-		-5.4		7243.1	π	0	0	369,202	445,270	split sta - steep hill		
304	175		23° 44'	+14.1°	11.4	93° -	-9.1	-20.5		7228.0		+138	+107	369,340	445,377			
305	505	504	30° 29'	+14.1°	5.5	93° -	-26.4	-31.9		7216.6		+359	+354	369,561	445,624			
306	810	809	37° 54.1'	+14.1°	10.6	92° 50'	-40.0	-50.6			TP	+498	-9	+638	+4	369,691	445,912	sharp curve
306	810				14.7	92° 32'	-35.8	-50.5		7198.0	TP							
	622	621	198° 35.9' - 180°	+14.1°	+9.5	87° 40'	-25.3	-15.8	7182.2		BS	+522	-9	+335	+6		curve	
	622				+13.1	87° 20'	-28.9	-15.8			BS							
-11-	568	567	194° 34'	+14.1°	9.9	87° 30'	+24.8	+14.9		7197.1		-498	-272	369,706	445,981	N-S fence (elev) 7198'		
307	330		185° -	+14.1°	4.0	88° -	+11.5	+7.5		7189.7		-312	-108	369,892	446,145			
308	0				5.4	-		-5.4		7176.8	π	0	0	370,204	446,253			
309	330		339° 84'	+14.9°	8.8	-		-8.8		7173.4		+328	-37	370,532	446,216			
310	660		339° 84'	+14.9°	11.7	-		-11.7		7170.5	TP	+656	-9	-74	+4	370,851	446,183	
310	660				8.4	84	-3.3	-11.7			TP						T.P. opposite station	
	335	334	200° 38.7' - 180°	+14.9°	+12.3	85° -	-29.1	-16.8	7153.7		BS	+273	-9	+192	+6			
	335				+11.7	85° 6'	-28.5	-16.8			BS							
BM	215	214	225° 42'	+14.9°	3.7	85° -	+18.7	+15.0		7168.7		-107	-186	371,008	446,195	USGS 8-JPV 1953 (elev) 7170'		
311	0				5.4	-		-5.4		7148.3	π	0	0	371,115	446,381	7169.8		
312	330	328	29° 5'	+14.9°	2.0	96° -	-34.3	-36.3		7117.4		+238	+226	371,353	446,607			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 9/18/79	INSTRUMENT MAN G Cotcamp	ROD MAN R Turner	PARTY NUMBER 6834	NOTES CHECKED BY Ransom Turner	LINE NO. 4	PAGE 28 of 28
AREA WYOMING-LARAMIE	TOPO MAP	STATE Wyoming	COUNTY Albany	TWP 20 N	RANGE 71 W	PPM
PARTY MANAGER L.O. Davis						

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									7153.7					
313	643		40° 34.9'	+144°	12.9	94° -	-44.7	-57.6		7096.1	TP	+368 -9	+525 +5	371,474 446,911
313	643	641			5.5	94° 40'	-52.1	-57.6			TP			
	660		237° 55.9' -120°	+144°	+0.8	87° -	-34.5	-33.7			BS	+200 -8	+628 +6	
	660	659			+4.7	86° 40'	-38.3	-33.6	7062.5		BS			
314	330		242° 14'	+144°	3.6	88° -	+11.5	+7.9		7070.4		-76	-321	371,590 447,224
315	0				54	-		-5.4		7057.1	X	0	0	371,666 447,545
316	330		69° 10'	+144°	11.0	91° -	-5.8	-16.8		7045.7		+37	+328	371,703 447,873
317	660		66° 22'	+144°	7.7	92° -	-23.0	-30.7		7031.8		+106	+651	371,772 448,196 EOL # 4
TP	1030	1028	236° 41.6'	+144°	4.4	86° 30'	+62.8	+58.4		7120.9	TP	-333-8	-973	371,325 446,572
TP	1030				13.3	86° -	+71.7	+58.4			TP			
	472	470	27° 19' +180°	+144°	+5.7	95° 20'	+43.7	+49.4	7170.3		BS	-351	-313	
	472				+8.4	95° -	+41.0	+49.4			BS			
X	0				54	-		-5.4		7164.9	X	0	0	370974 446,259
BM	65		279° 26'	+144°	1.8	-		-1.8		7168.5		+26	-59	371,000 446,200
														(elev) 7170' U.S.G.S. 8 JAN 1953
														371,000 + 446,200 (6)
														horiz. correct. y = -178' x = +61'