

VERTICAL SURVEY NOTES

GSI AREA LOOKOUT RIDGE STATE/COUNTY ALASKA BOOK NO. _____ PAGE 405 OF _____
 LINE/LOOP NO. 742 TYPE SURVEY _____ CLIENT Alaska Oil DATE 7 DY 9 MO 80 YR
 SURVEYOR D. Helander INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1182

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL						HORIZONTAL		REMARKS	
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	ELEVATION		L/R OR DI		RIGHT TURNED HORIZONTAL ANGLE
			SLOPE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS HORIZ				INST	ROD			
1		ELEVATION TAKEOFF FROM TBM 80203			SP 100						1	RLSU = 1297.27
2											2	
3	Δ	100	11440		89 07 58	15.0	1087.0	1081.0			3	
4	✓				270 51 44						4	
5	✗	113				5.0		1082.0			5	
6	S	94	16720		88 09 36	11.4					6	
7	S	95	15840		88 27 06	11.4					7	
8	S	96	14960		88 26 17	11.4					8	
9	S	97	13200 / 14080		88 51 30	11.4					9	
10	S	98	12320 / 13200		89 06 40	11.4					10	
11	S	99	11440 / 12320		89 04 34	11.4					11	
12	S	101	10560		89 14 50	11.4					12	
13	S	102	9680		89 19 58	11.4					13	
14	S	103	8800		89 25 29	11.4					14	
15	S	104	7920		89 31 04	11.4					15	
16	S	105	7040		89 36 58	11.4					16	
17	S	106	6160		89 41 01	11.4					17	

WORKED BY Don K Helander CHECKED BY 1ST _____ 2ND _____
 SYMBOLS Δ = BACKSIGHT ⊕ = INSTRUMENT SET-UP SS = SIDESHOT ⊙ = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA LOOKOUT RIDGE STATE/COUNTY ALASKA BOOK NO. _____ PAGE 406 OF _____
 LINE/LOOP NO. 742 TYPE SURVEY _____ CLIENT Alusky 612 DATE 7 DY 9 MO 80 YR
 SURVEYOR D. NELANDER INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1182

LINE	 	STATION	VERTICAL						ELEVATION		L/R OR DI	HORIZONTAL		REMARKS
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD		RIGHT TURNED HORIZONTAL ANGLE	LINE	
			SLOPE	HORIZ										
1	S	107	5280		89 46 41	11.4							1	
2	S	108	4900		89 52 42	11.4							2	
3	J	109	3520		90 01 45	11.4							3	
4	S	110	2640		90 07 19	11.4							4	
5	P	111	1760		90 12 47	11.4							5	
6	S	112	880		90 28 46	11.4							6	
7	S	114	880		89 09 59	11.4							7	
8	S	115	1760		89 25 45	11.4							8	
9	S	116	2640		89 31 56	11.4							9	
10	P	117	3520		89 27 36	11.4							10	
11	S	118	4400		89 27 09	11.4							11	
12	S	119	5280		89 33 15	11.4							12	
13	S	120	6160		89 35 27	26.4							13	
14	S	121	7040		89 35 28	26.4				1111-B	✓		14	
15	S	122	7920		89 36 22	26.4							15	
16	S	123	8800		89 37 52	29.4							16	
17	S	124	9680		89 35 56	26.4							17	

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SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

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GSI AREA LOOKOUT RIDGE STATE/COUNTY ALASKA BOOK NO. _____ PAGE 707 OF _____
 LINE/LOOP NO. 742 TYPE SURVEY _____ CLIENT HUSKY OIL DATE 7 DY 4 MO 80 YR
 SURVEYOR D. Melande INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1182

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊕	STATION	VERTICAL						ELEVATION		LR OR DI	HORIZONTAL		REMARKS
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD		RIGHT TURNED HORIZONTAL ANGLE	LINE	
			SLOPE	HORIZ										
1	S	125	10560		89 22 23	11.9							1	
2	F	126	11440		89 05 03	11.9							2	
3	⊕	126+385	11825		89 03 03	10.0	"		1275.23				3	
4	✓				270 56 40								4	
5													5	
6	Δ	126+385	495		89 40 55 90 48 57	5.0	5"						6	
7	✓				270 29 04								7	
8	⊕	127				5.0							8	
9	⊕	80202	32		89 13 23	5.0	20"						9	ELEV. 1277.42
10	✓				270 46 44								10	
11													11	
12													12	
13													13	
14													14	
15													15	
16													16	
17													17	

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HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA Lookout Ridge STATE/COUNTY Alaska BOOK NO. _____ PAGE 408 OF _____
 LINE/LOOP NO. 742 TYPE SURVEY T-2 CLIENT Husky Oil DATE 8 DY 4 MO 80 YR
 SURVEYOR Lindley INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1182

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LINE	 	STATION	VERTICAL						ELEVATION		L/R OR DI	HORIZONTAL RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD				
			SLOPE 	<input type="checkbox"/> FEET <input type="checkbox"/> METERS HORIZ 										
1												1	1273.42	
2		80202	13232.0	11553 12043	Take off TBM 80202 891553 3784342	15.0			1115.78			2		
3		127	13200		891529	15.0						3		
4		128	12320		892806	11.4						4		
5		129	11490		894949	11.4						5		
6		130	10560		901103	11.4						6		
7		131	9680		902947	11.4						7		
8		132	8800		903242	26.4						8		
9		133	7920		903322	26.4						9		
10		134	7040		903031	11.4						10		
11		135	6160		900130	11.4						11		
12		136	5280		904153	11.4						12		
13		137	4400		905834	11.4						13		
14		138	3520		911313	11.4						14		
15		139	2640		912928	11.4						15		
16		140	1760		912801	11.4						16		
17		141	880		911341	11.4						17		

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HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA Lookout Ridge STATE/COUNTY Alaska BOOK NO. _____ PAGE 409 OF _____
 LINE/LOOP NO. 742 TYPE SURVEY T-2 CLIENT Husky Oil DATE 8 DY 7 MO 80 YR
 SURVEYOR Lindley INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1182

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LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL						ELEVATION		LR OR DR	HORIZONTAL RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD				
			SLOPE 	HORIZ 										
1												1		
2	⊥	142	0		5.6							2		
3		143	880	88°25'18"	11.4							3		
4		144	1760	88°43'51"	11.4							4		
5		145	2140	88°53'09"	11.4							5		
6		146	3520	88°59'59"								6	4 Rod	
7												7		
8	⊙	145	2640	88°52'50"	12.0				1155.57			8		
9				27107'20"								9		
10												10		
11	Δ	145	2640	90°14'33"	12.0			1178.62				11		
12				26945'23"								12		
13		146	1760	90°23'18"	11.4							13		
14		147	880	90°07'15"	11.4							14		
15	⊥	148	0		5.3							15		
16	⊙	TBM 80201	1330 1340	90°27'39"	10.0				1157.38			16	1060	
17				26932'21"								17		

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HORIZONTAL AND VERTICAL SURVEY NOTES

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GSI AREA LOOKOUT RIDGE STATE/COUNTY ALASKA BOOK NO. _____ PAGE 410 OF _____
 LINE/LOOP NO. 742 TYPE SURVEY _____ CLIENT HUSKY DATE 9 DY 4 MO 80 YR
 SURVEYOR CHAMBERLIN INSTRUMENT DESC/SERIAL NO. T-2 CREW NO. 1182

LINE		STATION	VERTICAL						HORIZONTAL		REMARKS	
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	ELEVATION		LR OR DR		RIGHT TURNED HORIZONTAL ANGLE
			SLOPE 	<input type="checkbox"/> FEET <input type="checkbox"/> METERS HORIZ 				INST	ROD			
1												
2		80201 TBM	1340		90°20'00"	12.8		1180.6				
3					269°39'44"							
4		148				55						
5												
6		149	880		89°51'52"	11 1/2						
7		150	1760		89°56'02"	11 1/2						
8		151	2640		89°46'22"	11 1/2						
9		152	3520		89°34'46"	11 1/2						
10		153	4400		89°24'46"	11 1/2						
11		154	5280		89°25'59"	11 1/2						
12		155	6160		89°28'59"	11 1/2						
13		156	7040		89°27'34"	11 1/2 26 1/2 22 1/2					Hi Rod	
14		157	8920-7920		89°31'02"	26 1/2					Hi Rod	
15		158	9800-8900		89°30'34"	11 1/2						
16		X 742/731	8851		89°30'03"	11 1/2		1247.88				
17		237	8860		89°30'46"	11 1/2		1246.06			731	

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HORIZONTAL AND VERTICAL SURVEY NOTES

7

GSI AREA LOOKOUT RIDGE STATE/COUNTY PAIC BOOK NO. _____ PAGE 411 OF _____
 LINE/LOOP NO. 742 TYPE SURVEY _____ CLIENT MUSICK DATE 9 DY 4 MO 80 YR
 SURVEYOR LINDLEY INSTRUMENT DESC/SERIAL NO. T-2 CREW NO. 1182

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊕	STATION	VERTICAL						ELEVATION		LR OR DR	HORIZONTAL RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD				
			SLOPE 	<input type="checkbox"/> FEET <input type="checkbox"/> METERS HORIZ 										
1												1		
2		159	9680		89° 24' 42"	11 1/4						2		
3												3		
4	⊕	159 + 279	9959		89° 25' 07"	15 1/2				1268.95		4		
5					270 35' 03"	15 1/2						5		
6												6		
7	Δ	159 + 279	0		90°	5 1/2				1274.45		7		
8												8		
9		TBM 80148	149		90° 31' 56"	5 1/2				1268.1		9		
10		160	601		91° 29' 49"	4 1/2	7 1/2					10		
11		161	1481		91° 47' 25"	4 1/2	7 1/2					11		
12		162	2361		92° 01' 28"	4 1/2	7 1/2					12		
13		163	3241		91° 41' 02"	4 1/2	7 1/2					13		
14		164	4121		91° 30' 06"	4 1/2	7 1/2					14		
15		165	5001		91° 15' 51"	4 1/2	7 1/2					15		
16		166	5881		91° 13' 03"	4 1/2	7 1/2					16		
17		167	6761		90° 59' 52"	4 1/2	7 1/2					17		

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HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA LOOKOUT RIDGE STATE/COUNTY AK BOOK NO. _____ PAGE 412 OF _____
 LINE/LOOP NO. 742 TYPE SURVEY _____ CLIENT HUSKY DATE 9 DY 4 MO 80 YR
 SURVEYOR LINDLEY INSTRUMENT DESC/SERIAL NO. T-2 CREW NO. 1182

LINE		STATION	VERTICAL						ELEVATION		L/R OR DI	HORIZONTAL		REMARKS
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD		RIGHT TURNED HORIZONTAL ANGLE	LINE	
				SLOPE										
1													1	
2		168	7641			90° 59' 07"	44	75					2	
3		169	8521			90° 57' 33"	44	75					3	
4		170	9401			90° 48' 56"	44	75					4	
5													5	
6	⊙	171	10281			90° 38' 25"	15				1146.74		6	
7						269° 21' 35"	15						7	
8													8	
9	Δ	171	5587			89° 19' 32"	15			1095.33			9	
10						270° 40' 28"	15						10	
11	⊗	80200	0			90°	55				1089.33		11	177 + 307 24° EQ L
12													12	
13		172	4707			89° 29' 14"	11	4					13	
14		173	3827			89° 27' 14"	26	4					14	H. Rod
15		174	2947			89° 23' 34"	22	5					15	H.R.
16		175	2067			89° 17' 40"	11	4					16	
17		176	1187			89° 05' 34"	11	4					17	

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SYMBOLS Δ = BACKSIGHT ⊗ = INSTRUMENT SET-UP SS = SIDESHOT ⊙ = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

9

GSI AREA LOOKOUT RIDGE STATE/COUNTY AK BOOK NO. _____ PAGE 413 OF _____
 LINE/LOOP NO. 742 TYPE SURVEY _____ CLIENT HUSKY DATE 9 DY 4 MO 80 YR
 SURVEYOR CHAMBERLIN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. _____

LINE	 	STATION	VERTICAL						HORIZONTAL		REMARKS	
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			RIGHT TURNED HORIZONTAL ANGLE
			SLOPE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS HORIZ					INST	ROD		
1												
2		177	307	88°36'44"	11±							
3		178	580	90°03'10"	11±							
4		179	#1460	90°30'46"	11±							
5		180	2340	90°20'24"	11±							
6		181	3220	90°34'05"	11±							
7		182	4100	90°22'20"	11±							
8		183	4980		11± 265							Hand SKIP
9		184	5860									SKIP
10		185	6740	90°19'73"	11±							
11		186	7620	90°08'36"	11±							
12		187	8500	90°05'08"	15°							
13				219°54'55"	15°							
14												
15												
16												
17												

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HORIZONTAL AND VERTICAL SURVEY NOTES

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GSI AREA LOOKOUT RIDGE STATE/COUNTY AK BOOK NO. _____ PAGE 414 OF _____
 LINE/LOOR NO 742 TYPE SURVEY _____ CLIENT HUSKY DATE 9 DY 4 MO 80 YR
 SURVEYOR CHAMBERLIN INSTRUMENT DESC/SERIAL NO. T-2 CREW NO. 1182

LINE		STATION	VERTICAL						HORIZONTAL		REMARKS	
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			RIGHT TURNED HORIZONTAL ANGLE
			SLOPE 	<input type="checkbox"/> FEET <input type="checkbox"/> METERS HORIZ 					INST	ROD		
1									1056.62		1	
2	Δ	182	2640		89° 44' 57"	7 1/2		1652.42			2	
3											3	
4	Δ	183	1760		91° 03' 46"	0 0			1019.89	1019	4	
5		184	880		92° 21' 24"	0 0			1016.25	1016 1015	5	
6											6	
7	\odot	185	0		90°	5 1/2			1046.92		7	1046.07
8											8	
9	Δ	187	6160		89° 31' 41"	11 1/4					9	
10					270° 28' 57"	11 1/4					10	
11											11	
12		188	5280		89° 31' 50"	11 1/4					12	
13		189	4400		89° 34' 13"	11 1/4					13	
14		190	3520		89° 42' 23"	11 1/4					14	
15		191	2640		89° 33' 55"	11 1/4					15	
16		192	1760		89° 47' 38"	11 1/4					16	
17		193	880		89° 54' 05"	11 1/4					17	

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SYMBOLS Δ = BACKSIGHT ∇ = INSTRUMENT SET-UP SS = SIDESHOT \odot = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

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GSI AREA LOOKOUT RIDGE STATE/COUNTY AK BOOK NO. _____ PAGE 415 OF _____
 LINE/LOOP NO. 742 TYPE SURVEY _____ CLIENT HUSKEY DATE 10 DY 4 MO 80 YR
 SURVEYOR CHAMBERLIN INSTRUMENT DESC/SERIAL NO. T-2 CREW NO. 1182

LINE		STATION	VERTICAL						ELEVATION		HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD	UR OR DR	RIGHT TURNED HORIZONTAL ANGLE		LINE
				SLOPE										
1		194	0		—	5.2						1		
2		195	880		89° 53' 24"	11 1/4						2		
3		196	1760		89° 50' 28"	11 1/4						3		
4		197	2640		89° 52' 08"	11 1/4						4		
5		198	3520		89° 51' 08"	11 1/4						5		
6		199	4400		89° 54' 51"	11 1/4						6		
7		200	5280		89° 58' 25"	5.2						7		
8					270° 01' 39"							8		
9												9		
10		200	5280		90° 19' 31"	5 1/2						10		
11					269° 40' 12"	5 1/2						11		
12												12		
13		201	4400		90° 17' 12"	11 1/4						13		
14		202	3520		90° 15' 31"	11 1/4						14		
15		203	2640		90° 23' 54"	11 1/4						15		
16		204	1760		90° 32' 46"	11 1/4						16		
17		205	880		90° 57' 45"	11 1/4						17		

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HORIZONTAL AND VERTICAL SURVEY NOTES

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GSI AREA LOOKOUT RIDGE STATE/COUNTY AK BOOK NO. _____ PAGE 416 OF _____
 LINE/LOOP NO. 742 TYPE SURVEY _____ CLIENT HUSKY DATE 10 DAY 4 MO 80 YR
 SURVEYOR CHAMBERLIN INSTRUMENT DESC/SERIAL NO. T-2 CREW NO. 1182

LINE	 	STATION	VERTICAL						ELEVATION		L/R OR DI	HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST		ROD	RIGHT TURNED HORIZONTAL ANGLE		LINE
				SLOPE	HORIZ										
1													1		
2		206												2	
3		207	880			89°43'57"	11±							3	
4		208	1760			90°00'44"	11±							4	
5		209	2640			89°52'40"	11±							5	
6		210	3520			89°49'21"	11±							6	
7		211	4400			89°42'07"	11±							7	
8														8	
9		212	5280			89°36'18"	15°							9	
10						270°23'45"	15°							10	
11														11	
12		212	4400 4895			90°26'03"	11±							12	
13						269°33'25"	11±							13	
14														14	
15		213	4015			90°22'52"	11±							15	
16		214	3135			90°14'31"	11±							16	
17		215	2255			90°21'10"	11±							17	

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HORIZONTAL AND VERTICAL SURVEY NOTES

13

GSI AREA LOOKOUT RIDGE STATE/COUNTY AK BOOK NO. _____ PAGE 417 OF _____
 LINE/LOOP NO. 742 TYPE SURVEY _____ CLIENT MUSKY DATE 10 DY 4 MO 80 YR
 SURVEYOR LINDLEY INSTRUMENT DESC/SERIAL NO. T-2 CREW NO. 1182

LINE	SYMBOL	STATION	VERTICAL					HORIZONTAL			REMARKS		
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	ELEVATION		RIGHT TURNED HORIZONTAL ANGLE			
			SLOPE	HORIZ				INST	ROD				
1											1		
2		216	1375		90°36'07"	11 1/2						2	
3		217	495		89°33'25"	11 1/2						3	
4	⌘	217 + 495										4	
5		218	385		89°54'05"	11 1/2						5	
6		219	1265		90°10'56"	11 1/2						6	
7		220	2145		89°59'08"	11 1/2						7	
8		221	3025		89°57'20"	11 1/2						8	
9		222	3905		90°06'17"	11 1/2						9	
10												10	
11	⊙	223	4785		90°03'01"	11 1/2						11	
12					269°56'37"	11 1/2						12	
13												13	
14	Δ	223	4400		89°48'04"	11 1/2						14	
15					270°11'51"	11 1/2						15	
16												16	
17		224	3520		89°46'54"	11 1/2						17	

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HORIZONTAL AND VERTICAL SURVEY NOTES

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GSI AREA Lookout Ridge STATE/COUNTY Alaska BOOK NO. _____ PAGE 418 OF _____
 LINE/LOOP NO. 292 TYPE SURVEY T-2 CLIENT HU DATE _____ DY _____ MO _____ YR _____
 SURVEYOR _____ INSTRUMENT DESC/SERIAL NO. _____ CREW NO. _____

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ○	STATION	VERTICAL						HORIZONTAL		REMARKS		
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			RIGHT TURNED HORIZONTAL ANGLE	
			SLOPE	HORIZ					INST	ROD			
1											1		
2		225	2640		89°53'04"	11±						2	
3		226	1760		90°11'15"	11±						3	
4		227	880		89°44'14"	11±						4	
5		228 X 742/129	1087		90°01'23"	11±			1097.69			5	
6		193 L-729	1080		89°50'58"	11±			1100.96			6	
7		193 / 228				5±						7	
8		Tbm 80158	1482		89°45'50"	4L						8	
9		229	880		91°35'34"	11±						9	
10												10	
11		229 + 385	1265		92°17'27"	15°						11	
12					267°42'10"	15°						12	
13												13	
14			440		86°26'34"	6°						14	
15					273°33'40"	6°						15	
16												16	
17		229 + 825										17	

TI-23471B

WORKED BY _____ CHECKED BY 1ST _____ 2ND _____

SYMBOLS Δ = BACKSIGHT = INSTRUMENT SET-UP SS = SIDESHOT ○ = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

15

GSI AREA _____ STATE/COUNTY _____ BOOK NO. _____ PAGE 419 OF _____
 LINE/LOOP NO. 742 TYPE SURVEY _____ CLIENT _____ DATE ____DY ____MO ____YR
 SURVEYOR _____ INSTRUMENT DESC/SERIAL NO. _____ CREW NO. _____

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> \odot	STATION	VERTICAL						HORIZONTAL		REMARKS	
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			RIGHT TURNED HORIZONTAL ANGLE
			SLOPE	HORIZ					INST	ROD		
1												
2		230	55		106° 15' 47"	0°						NEED OFFSET
3		231	935		97° 16' 31"	11±						?
4												
5	\odot	232	1815		95° 40' 08"	11±						
6					264° 20'	11±						
7					19' 30"							
8	Δ		1360		90° 33' 33"	11±						
9					269° 26' 00"	11±						
10												
11		233	495		98° 45' 33"	15°						NEED OFFSET
12	Δ	233 + 495										
13	\odot	234	385		89° 53' 17"	4°						OS?
14					270° 06' 18"	4°						
15												
16	Δ	234	1135		91° 11' 04"	4°						
17					265 49 30	4°						

TI-28471B

WORKED BY _____ CHECKED BY 1ST _____ 2ND _____

SYMBOLS Δ = BACKSIGHT Δ = INSTRUMENT SET-UP SS = SIDESHOT \odot = FORESIGHT

STADIA SURVEY NOTES

16

AREA LOOKOUT RIDGE STATE _____ PAGE No. 420
 LINE No. 742 PARTY No. 1182 DATE 9 Day 4 Mo. 80 Yr. BOOK No. _____
 SURVEYOR LINDLEY RODMAN _____ WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		1135		89° 59' 51"					40				Δ	234		
				270° 00' 31"												
		255		94° 11' 04"					40				κ	235 + 255		
									50							
		390 490		93° 06' 45"					40				○	235 + 645		
				266° 52' 40"					40							
		3260		07° 04' 32"					40				Δ	235 + 645		
				272° 55' 09"					40							
		3025		87° 42' 12"					11 1/2					236		
		2145		88° 43' 35"					11 1/2					237		
		1265		88° 48' 24"					11 1/2					238		
		385		90° 14' 45"					11 1/2					239		
		0							5 1/2				κ	239 + 385		
		495		91° 31' 11"					11 1/2					240		

WORKED BY _____ CHECKED BY _____ 2nd _____

STADIA SURVEY NOTES

AREA: LOOKOUT RIDGE STATE: AK PAGE No. 421
 LINE No. 742 PARTY No. _____ DATE _____ Day _____ Mo. _____ Yr. _____ BOOK No. _____
 SURVEYOR _____ RODMAN _____ WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		1375		91°38'10"					11 1/2						241	
		2255		91°08'50"					11 1/2						242	
		3135		91°17'53"					11 1/2						243	
		4015		91°02'27"					11 1/2 22.5						244	
		4895		91°08'00"					11 1/2						245	
		5775		91°09'21"					11 1/2					○	246	
				768°50'09"					11 1/2							
▲	246	4400		90°37'46"					11 1/2							
	245			2692140												
	247	2520		905222					22.5							
	248	2640		90°57'45"					26.4							H. Rod
	249	1760		90°37'15"					22.5							H.M. Rod
	250	880		90°22'40"					11.4							
7	251	0							5.1							
8	252	880		89°57'07"					11.0							
	253			2700237					19.3							

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STADIA SURVEY NOTES

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AREA LOOKOUT RIDGE STATE _____ PAGE No. 422

LINE No. 742 PARTY No. _____ DATE _____ Day _____ Mo. _____ Yr. _____ BOOK No. _____

SURVEYOR _____ BODMAN _____ WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.			
1	252	0													
	253	880		911806											
	254	1260		913927											
	255	2640		913626											
	256	3520		910159											
	257	4400		904454											
	258	5280		904531											
	259	6160		904151											
	260	7040		903716											
	261	7920		903105											
	262	8800		902452											
				2693429											

EOC

WORKED BY _____ CHECKED BY _____ 2nd _____