

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA BARROW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 576 OF       
 LINE/LOOP NO. 676 TYPE SURVEY      CLIENT HUSKY NPL DATE 21 DY 4 MO 79 YR  
 SURVEYOR T. SHERILL INSTRUMENT DESC/SERIAL NO.      CREW NO. 1182

LINE	△ ⊥ SS ⊙	STATION	VERTICAL						ELEVATION		L/R OR DI	HORIZONTAL		REMARKS
			DISTANCE	<input checked="" type="checkbox"/> FEET	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD		RIGHT TURNED HORIZONTAL ANGLE	LINE	
				<input type="checkbox"/> METERS										
1										0.0		SEA LEVEL	1	
2	△	SEA LEVEL	1270		90 05 50	90		+11.2	11.0				2	
3	△		✓		269 54 00	90							3	
4	⊥	S.I.1	0		90 —	50		-5.0		6.0			4	
5		2	880		89 51 50	9.0		-6.9		4.1			5	
6		3	1760		89 53 40	9.0		-5.7		5.3			6	
7		4	2640		89 54 50	9.0		-4.9		6.1			7	
8		5	3520		89 56 50	9.0		-5.5		5.5			8	
9	⊙	6	4400		89 57 50	9.0		-5.9		5.1			9	
10	⊙		✓		270 02 00	9.0							10	
11													11	
12	△	6	4400		89 56 50	9.0		+4.0	9.7				12	
13	△		✓		270 02 50	9.0							13	
14		7	3520		89 57 40	9.0		-6.4		3.3			14	
15		8	2640		89 56 40	9.0		-6.3		3.4			15	
16		9	1760		89 55 40	9.0		-6.7		3.0			16	
17		10	880		89 48 20	9.0		-6.0		3.7			17	

TI-234715










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# HORIZONTAL AND VERTICAL SURVEY NOTES

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GSI AREA BALLOU STATE/COUNTY ALASKA BOOK NO. 3 PAGE 577 OF       
 LINE/LOOP NO. 676 TYPE SURVEY      CLIENT HUSKY NIP DATE 21 BY 4 MO 79 YR  
 SURVEYOR T. SHERWILL INSTRUMENT DESC/SERIAL NO.      CREW NO. 1182

LINE		STATION	VERTICAL						ELEVATION		LR OR DI	HORIZONTAL		REMARKS	
			DISTANCE	<input checked="" 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										9.7			1		
2		S.P. 11	0		90	—	5.0		-5.0		4.7			2	
3		12	880		89	44	20	9.0	-5.0		4.7			3	
4		13	1760		89	52	10	9.0	-4.9		4.8			4	
5		14	2640		89	53	30	9.0	-3.9		5.8			5	
6		15	3520		89	56	00	9.0	-4.7		5.0			6	
7		16	4400		89	57	10	9.0	-5.2		4.5			7	
8			✓		270	02	30	9.0						8	
9														9	
10		16	4400		89	55	50	9.0		+3.4	7.7			10	
11			✓		270	04	00	9.0						11	
12		17	3520		89	55	00	9.0	-3.6		4.1			12	
13		18	2640		89	52	40	9.0	-3.2		4.5			13	
14		19	1760		89	51	20	9.0	-4.5		3.2			14	
15		20	880		89	44	20	9.0	-5.0		2.7			15	
16		21	0		90	—	5.0		-5.0		2.7			16	
17		22	880		89	42	10	9.0	-4.4		3.3			17	

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA BARLOW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 578 OF       
 LINE/LOOP NO. 676 TYPE SURVEY      CLIENT HUSKY NAR DATE 23 BY 4 MO 79 YR       
 SURVEYOR T. SHERRILL INSTRUMENT DESC/SERIAL NO.      CREW NO. 1182

LINE	  	STATION	VERTICAL						HORIZONTAL		REMARKS			
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE	
			SLOPE	<input checked="" type="checkbox"/> FEET <input type="checkbox"/> METERS					INST	ROD				
1									7.7			1		
2		S.P. 23	1760		89 48 50	9.0		-3.2		4.5			2	
3		24	2640		89 52 00	9.0		-2.7		5.0			3	
4		25	3520		89 54 00	9.0		-2.6		5.1			4	
5		26	4400		89 55 00	9.0		-2.3		5.4			5	
6			✓		270 04 50	9.0							6	
7													7	
8		26	3520		89 56 50	9.0		+5.6	10.8				8	
9			✓		270 03 00	9.0							9	
10		27	2640		89 53 50	9.0		-4.1		6.7			10	
11		28	1760		89 49 20	9.0		-3.5		7.3			11	
12		29	880		89 44 10	9.0		-4.9		5.9			12	
13		30	0		90 —	5.0		-5.0		5.8			13	
14		31	880		89 49 30	9.0		-6.3		4.5			14	
15		32	1760		89 54 50	9.0		-6.3		4.5			15	
16		33	2640		89 56 40	9.0		-6.3		4.5			16	
17		34	3520		89 52 00	9.0		-0.6		10.2			17	

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA BARROW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 579 OF       
 LINE/LOOP NO. 676 TYPE SURVEY      CLIENT Husky NPL DATE 23 DY 4 MO 29 YR  
 SURVEYOR T. SHEDDEN INSTRUMENT DESC/SERIAL NO.      CREW NO. 1182

LINE	△ ⊕ SS ⊙	STATION	VERTICAL							HORIZONTAL		REMARKS			
			DISTANCE	FEET METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			LR OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINE
											INST				
1										10.8			1		
2	⊙	S.P. 35	4400			89 53 00	9.0		+0.4		11.2			2	
3	⊙		✓			270 07 00	9.0							3	
4														4	
5	△	35	5024			89 56 10	9.0		+2.9	13.9				5	
6	△		✓			270 03 50	9.0							6	
7		36	4144			89 56 00	9.0		-3.8		10.1			7	
8		37	3264			89 56 10	9.0		-5.1		8.8			8	
9		38	2384			89 54 20	9.0		-5.0		8.9			9	
10		39	1504			89 52 10	9.0		-5.5		8.4			10	
11		40	624			89 42 30	9.0		-5.8		8.1			11	
12	⊕	40 + 624	0			90 —	5.0		-5.0		8.9			12	
13		41	256			89 14 30	9.0		-5.6		8.3			13	
14		42	1136			89 43 50	9.0		-3.6		10.3			14	
15		43	2016			89 48 40	9.0		-2.3		11.6			15	
16		44	2896			89 48 40	9.0		+0.7		14.6			16	
17		45	3776			89 44 20	9.0		+8.5		22.4			17	

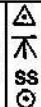









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# HORIZONTAL AND VERTICAL SURVEY NOTES

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GSI AREA BARLOW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 580 OF       
 LINE/LOOP NO. 676 TYPE SURVEY      CLIENT HUSKY NIK DATE 23 BY 4 MO 79 YR  
 SURVEYOR T. SHELLILL INSTRUMENT DESC/SERIAL NO.      CREW NO. 1182

LINE		STATION	VERTICAL							HORIZONTAL		REMARKS		
			DISTANCE	<input checked="" type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		LR OR DI		RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE 					HORIZ 	INST				
1									13.9			1		
2		SP 46	4656		89 45 40	9.0	+10.8		24.7			2		
3			✓		270 14 10	9.0						3		
4												4		
5		46	4400		89 54 50	9.0	+2.0	26.5				5		
6			✓		270 05 10	9.0						6		
7		47	3520		89 53 00	9.0	-1.6		24.9			7		
8		48	2640		89 51 00	9.0	-2.0		24.5			8		
9		49	1760		89 45 40	9.0	-1.6		24.9			9		
10		50	880		89 36 10	9.0	-2.9		23.6			10		
11		51	0		90 —	5.0	-5.0		21.5			11		
12		52	880		89 48 30	9.0	-6.0		20.5			12		
13		53	1760		89 56 10	9.0	-7.0		19.5			13		
14		54	2640		89 58 10	9.0	-7.5		19.0			14		
15		55	3520		90 01 10	9.0	-9.9		16.6			15		
16		56	4400		90 02 40	9.0	-12.2		14.3			16		
17			✓		109 57 00	9.0						17		

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA BARLOW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 581 OF       
 LINE/LOOP NO. 676 TYPE SURVEY      CLIENT Husky NPL DATE 23 DY 4 MO 79 YR  
 SURVEYOR T. SHERWIN INSTRUMENT DESC/SERIAL NO.      CREW NO. 1182

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL						HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	ELEVATION		RIGHT TURNED HORIZONTAL ANGLE		LINE
				SLOPE				HORIZ	INST			
1									14.3		1	
2	Δ	51 56	3520		89 51 30	9.07	+0.1	14.3			2	
3	Δ		✓		270 08 20	9.0					3	
4		57	2640		89 55 30	9.0	-5.4		8.9		4	
5		58	1760		90 10 00	9.0	-14.1		0.2		5	
6		59	880		90 04 00	9.0	-10.0		4.3		6	
7	⊕	60	0		90 —	5.0	-5.0		9.3		7	
8		61	880		90 20 10	9.0	-14.2		0.1		8	
9		62	1760		90 10 20	9.0	-14.2		0.1		9	
10		63	2640		90 06 00	9.0	-13.4		0.9		10	
11		64	3520		90 04 30	9.0	-13.4		0.9		11	
12	⊙	65	4400		90 03 30	9.07	-13.3		1.0		12	
13	⊙		✓		269 56 10	9.0					13	
14											14	
15	Δ	65	4400		89 58 50	9.0	+7.3	8.2			15	
16	Δ		✓		270 00 50	9.0					16	
17		66	3520		89 57 40	9.0	-6.4		1.8		17	

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA BALLOU STATE/COUNTY ALASKA BOOK NO. 3 PAGE 582 OF         
 LINE/LOOP NO. 676 TYPE SURVEY        CLIENT HUSKY NR DATE 23 BY 4 MO 79 YR  
 SURVEYOR T. SHERILL INSTRUMENT DESC/SERIAL NO.        CREW NO. 1182

LINE	  	STATION	VERTICAL						ELEVATION		L/R OR DI	HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input checked="" type="checkbox"/> METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST		ROD	RIGHT TURNED HORIZONTAL ANGLE		LINE
1										8.2			1		
2		SP. 67	2640			89 56 40	9.0	-6.3					2		
3		68	1760			89 54 20	9.0	-6.0					3		
4		69	880			89 49 30	9.0	-6.3					4		
5		70	0			90 —	5.0	-5.0					5		
6		71	880			89 32 10	9.0	-1.9					6		
7		<sup>ST. 1123</sup> E. SIMPSON WELL	1003			90 02 20	1.0	-1.7					7	E. SIMPSON WELL DRILL PAD TOP OF CEYLAR STRUCTURE	
8		72	1760			89 51 30	9.0	-4.6					8		
9		73	2640			89 54 10	9.0	-4.4					9		
10		74	3520			89 55 30	9.0	-4.1					10		
11		75	4400			89 58 40	9.0	-7.1		1.0			11		
12			✓			270 01 00	9.0						12		
13													13		
14		75	2500			90 —	4.1	+4.1	5.0				14	TAIL SPREAD	
15			✓			270 —	4.1						15	1-6 SEA LEVEL	
16		SEA LEVEL	0			90 —	5.0	-5.0					16		
17		SEA LEVEL	0			90 —	5.0	-5.0		9.0			17	SEA LEVEL	

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1.2 SEA LEVEL - 1182
to 1.2 MISTIE