

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA BARLOW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 592 OF       
 LINE/LOOP NO. 672 TYPE SURVEY      CLIENT Husley N/A DATE 25 DY 4 MO 79 YR  
 SURVEYOR T. SHEPHERD INSTRUMENT DESC/SERIAL NO.      CREW NO. 1182

LINE	<input type="checkbox"/> $\Delta$ <input type="checkbox"/> $\nabla$ <input type="checkbox"/> SS <input type="checkbox"/> $\odot$	STATION	VERTICAL						ELEVATION		LR OR DR	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										
1									0.0		SEA LEVEL	1		
2	$\Delta$	SEA LEVEL	4400		90 02 40	9.0 ?	+12.2	12.2				2	TS.1 - 6 =	
3	$\Delta$				269 57 00	9.0 }						3	SEA LEVEL	
4		S.P.1	1760		89 54 00	9.0	-5.9		6.3			4		
5		2	880		89 47 50	9.0	-5.9		6.3			5		
6	$\nabla$	3	0		90 —	5.10	-5.0		7.2			6		
7		4	880		89 46 40	9.0	-5.6		6.6			7		
8		5	1760		89 50 40	9.0	-4.2		8.0			8		
9		6	2640		89 54 30	9.0	-4.6		7.6			9		
10		7	3520		89 55 50	9.0	-4.5		7.7			10		
11	$\odot$	8	4400		89 56 40	9.0 }	-4.4		7.8			11		
12	$\odot$				270 03 10	9.0 }						12		
13												13		
14	$\Delta$	8	4400		89 58 20	9.0 ?	+6.7	14.5				14		
15	$\Delta$				270 01 20	9.0 }						15		
16		9	3520		89 57 50	9.0	-6.5		8.0			16		
17		10	2640		89 57 00	9.0	-6.6		7.9			17		

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SYMBOLS

$\Delta$  = BACKSIGHT

$\nabla$  = INSTRUMENT SET-UP

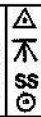




SS = SIDESHOT

$\odot$  = FORESIGHT

## HORIZONTAL AND VERTICAL SURVEY NOTES

2

GSI AREA Baldow STATE/COUNTY ALASKA BOOK NO. 3 PAGE 593 OF       
 LINE/LOOP NO. 672 TYPE SURVEY      CLIENT Husky APR DATE 25 BY 4 MO 79 YR  
 SURVEYOR T. SHERILL INSTRUMENT DESC/SERIAL NO.      CREW NO. 1182

LINE	   	STATION	VERTICAL						ELEVATION		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	L/R OR D/I	RIGHT TURNED HORIZONTAL ANGLE		LINE
				SLOPE 										
1									14.5			1		
2		S.P. 11	1760		89 52 00	90	-4.8		9.7			2		
3		12	880		89 47 10	90	-5.7		8.8			3		
4		13	0		90 —	50	-50		9.5			4		
5		14	880		89 57 10	90	-8.3		6.2			5		
6		15	1760		89 54 40	90	-6.2		8.3			6		
7		16	2640		89 57 40	90	-7.1		7.4			7		
8		17	3520		90 00 00	90	-8.7		5.8			8		
9		18	4400		90 01 10	90	-10.2		4.3			9		
10					269 58 40	90						10		
11												11		
12		18	3520		90 02 40	90	+11.6	15.9				12		
13					269 57 00	90						13		
14		S.P. 18 + 182107L S.P. 21 + 410764WS	3338		90 03 00	90	-11.7		4.2			14		
15		S.P. 81-L-75XWS	3370		90 03 00	90	-11.7		4.7			15		
16		19	2640		90 02 50	90	-11.0		4.9			16		
17		20	1760		89 50 40	90	-4.2		11.7			17		

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# HORIZONTAL AND VERTICAL SURVEY NOTES

3

GSI AREA BARLOW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 594 OF       
 LINE/LOOP NO. 622 TYPE SURVEY      CLIENT HUSKY NPA DATE 25 DY 4 MO 79 YR  
 SURVEYOR T. SHELLIV INSTRUMENT DESC/SERIAL NO.      CREW NO. 1182

LINE	  	STATION	VERTICAL						ELEVATION		LR OR DR	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 										
1									15.9				1	
2		S.P. 21	880		90 08 10	9.0	-11.1		4.8				2	
3		22	0		90 —	5.0	-5.0		10.9				3	
4		23	880		90 03 50	9.0	-10.0		5.9				4	
5		24	1760		90 03 10	9.0	-10.6		5.3				5	
6		25	2640		90 02 10	9.0	-10.5		5.4				6	
7		26	3520		89 57 50	9.0	-6.5		9.4				7	
8		27	4400		90 01 10	9.0	-10.2		5.7				8	
9			✓		269 58 40	9.0							9	
10													10	
11		27	4400		89 57 20	9.0	+5.3	11.0					11	
12			✓		270 02 30	9.0							12	
13		28	3520		89 55 50	9.0	-4.5		6.5				13	
14		29	2640		89 53 50	9.0	-4.1		6.9				14	
15		30	1760		89 52 50	9.0	-5.3		5.7				15	
16		31	880		89 52 20	9.0	-7.0		4.0				16	
17		32	0		90 —	5.0	-5.0		6.0				17	






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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA BARLOW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 595 OF 4  
 LINE/LOOP NO. 672 TYPE SURVEY \_\_\_\_\_ CLIENT WUSKEY NPA DATE 25 DY 4 MO 79 YR  
 SURVEYOR T. SHERRILL 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										11.0			1		
2		S.P. 33	880			89 44 10	9.0	-4.9		6.1			2		
3		34	1760			89 52 50	9.0	-5.3		5.7			3		
4		35	2640			89 54 30	9.0	-4.6		6.4			4		
5		36	3520			89 54 40	9.0	-3.3		7.7			5		
6	⊙	37	4400			89 55 20	9.0	-2.7		8.3			6		
7	⊙		✓			270 04 30	9.0						7		
8													8		
9	Δ	37	4400			90 05 10	9.0	+15.3	23.6				9		
10	Δ		✓			269 54 40	9.0						10		
11		38	3520			90 04 40	9.0	-13.5		10.1			11		
12		39	2640			90 08 30	9.0	-15.4		8.2			12		
13		40	1760			90 13 40	9.0	-15.9		7.7			13		
14		41	880			90 22 10	9.0	-14.7		8.9			14		
15	⊙	42	0			90 —	5.0	-5.0		18.6			15		
16	WT	42 + 386 / 672 30 + 755 / 626	392			90 43 30	9.0	-14.0		9.6			16		
17		30 / 6-626	8060			90 17 00	9.0	-14.2		9.4			17		











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# HORIZONTAL AND VERTICAL SURVEY NOTES


GSI AREA BARROW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 596 OF 5  
 LINE/LOOP NO. 672 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY NFR DATE 25 DY 4 MO 79 YR  
 SURVEYOR T. SHERKILL INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 182

LINE	   	STATION	VERTICAL						ELEVATION		L/R 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 										
1									23.6				1	
2		S.P. 43	880		90 22 00	90	-14.6		9.0				2	
3		44	1760		90 10 20	90	-14.2		9.4				3	
4		45	2640		90 07 00	90	-14.2		9.4				4	
5		46	3520		90 05 40	90	-14.6		9.0				5	
6		47	4400		90 04 40	90	-14.7		8.9				6	
7			✓		269 55 10	90							7	
8													8	
9		47	4400		89 57 00	90	+4.9	13.8					9	
10			✓		270 02 50	90							10	
11		48	3520		89 57 00	90	-5.7		8.1				11	
12		49	2640		89 56 20	90	-6.0		7.8				12	
13		50	1760		89 54 00	90	-5.9		7.9				13	
14		51	880		89 46 10	90	-5.4		8.4				14	
15		52	0		90 —	50	-5.0		8.8				15	
16		53	880		89 44 40	90	-5.1		8.7				16	
17		54	1760		89 53 10	90	-5.4		8.4				17	

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SYMBOLS

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 = INSTRUMENT SET-UP

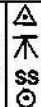







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 = FORESIGHT

## HORIZONTAL AND VERTICAL SURVEY NOTES

6

GSI AREA BARROW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 597 OF       
 LINE/LOOP NO. 672 TYPE SURVEY      CLIENT Husky MR DATE 25 BY 6 MO 79 YR  
 SURVEYOR T. SHERILL 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		L/R OR DI		RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE 					HORIZ 	INST				
1									13.8			1		
2		S.P. 55	2640		89 55 10	9.0	-5.1			8.7		2		
3		56	3520		89 57 00	9.0	-5.7			8.1		3		
4		57	4400		89 57 20	9.0	-5.3			8.5		4		
5			✓		270 02 30	9.0						5		
6												6		
7		57	4400		89 57 10	9.0	+5.2		13.7			7		
8			✓		270 02 30	9.0						8		
9		58	3520		89 57 20	9.0	-6.0			7.7		9		
10		59	2640		89 54 40	9.0	-4.8			8.9		10		
11		60	1760		89 49 30	9.0	-3.6			10.1		11		
12		61	880		89 51 00	9.0	-6.7			7.0		12		
13		62	0		90 —	6.0	-5.0			8.7		13		
14		63	880		89 42 20	9.0	-4.5			9.2		14		
15		64	1760		89 53 30	9.0	-5.5			8.2		15		
16		65	2640		89 53 20	9.0	-3.7			10.0		16		
17		66	3520		89 55 10	9.0	-3.8			9.9		17		














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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA Barrow STATE/COUNTY ALASKA BOOK NO. 3 PAGE 598 OF         
 LINE/LOOP NO. 672 TYPE SURVEY        CLIENT Husky MR DATE 25 BY 4 MO 79 YR  
 SURVEYOR T. SHERRILL 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					ROD
1									13.7				1		
2		SR 67	4400		89 56 10	90 } 90 }	-3.8		9.9				2		
3			✓		270 03 40	90 }							3		
4													4		
5		67	4400		89 57 10	90 } 90 }	+5.1	15.0					5		
6			✓		270 02 40	90 }							6		
7		68	3520		89 57 00	90	-5.7		9.3				7		
8		69	2640		89 53 40	90	-4.0		11.0				8		
9		70	1760		89 53 00	90	-5.4		9.6				9		
10		71	880		89 45 20	90	-5.2		9.8				10		
11		72	0		90 —	5.0	-5.0		10.0				11		
12		73	880		89 46 40	90	-5.6		9.4				12		
13		74	1760		89 53 00	90	-5.4		9.6				13		
14		75	2640		89 54 00	90	-4.3		10.7				14		
15		76	3520		89 51 00	90	+0.5		15.5				15		
16		77	4400		89 47 30	90 }	+7.2		22.2				16		
17			✓		270 12 10	90 }							17		

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA BARROW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 599 OF       
 LINE/LOOP NO. 672 TYPE SURVEY      CLIENT HUSKY NPL DATE 25 BY 4 MO 79 YR  
 SURVEYOR T. SHERRILL INSTRUMENT DESC/SERIAL NO.      CREW NO. 1182

LINE	△ ↕ SS ⊙	STATION	VERTICAL						ELEVATION		L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINE	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
				/ SLOPE 	/ HORIZ 										
1										22.2			1		
2	△	S.P. 77	3520		90 02 00	9.0		+11.0	33.2				2		
3	△		✓		269 57 40	9.0							3		
4		78	2640		89 58 50	9.0		-8.0		25.2			4		
5		79	1760		89 53 30	9.0		-5.6		27.6			5		
6		80	880		89 37 30	9.0		-3.2		30.0			6		
7	5	81	0	9.	90 —	5.0		-5.0		28.2			7		
8		82	880		90 02 30	9.0		-9.6		23.6			8		
9		83	1760		89 54 10	9.0		-6.0		27.2			9		
10		84	2640		89 50 40	9.0		-1.7		31.5			10		
11	0	85	3520		89 58 50	9.0		-7.7		25.5			11		
12	0		✓		270 00 50	9.0							12		
13													13		
14	△	85	4400		89 50 40	9.0		-3.0	22.5				14		
15	△		/		270 08 50	9.0							15		
16		86	3520		89 49 40	9.0		+1.8		24.3			16		
17		87	2640		89 49 40	9.0		-0.9		21.6			17		

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA BARLOW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 600 OF 9  
 LINE/LOOP NO. 672 TYPE SURVEY \_\_\_\_\_ CLIENT Husky NPL DATE 25 BY 4 MO 79 YR  
 SURVEYOR T. SHERWILL INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ 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	UR OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINE		
				SLOPE	HORIZ									INST
1									22.5			1		
2		S.P. 88	1760			89 44 30	9.0	-1.0		21.5			2	
3		89	880			89 25 50	9.0	-0.2		22.3			3	
4		90	0			90 —	5.0	-5.0		17.5			4	
5		91	880			89 39 00	9.0	-3.6		18.9			5	
6		92	1760			90 02 00	9.0	-10.0		12.5			6	
7		$\frac{92 + 5871672}{2} = 92 + 3531628$ S.P. 10 - L628	2347			90 09 10	10.0	-16.1		6.4			7	
8		S.P. 10 - L628	1980			89 53 30	9.0	-5.2		17.3			8	
9		S.P. 93	2690			90 10 10	9.0	-16.8		5.7			9	
10			✓			269 49 30	9.0						10	
11													11	
12		93	2720			89 56 20	9.0	+6.1	11.8				12	
13			✓			270 03 10	9.0						13	
14		S.P. 6 - L628	0			90 —	5.0	-5.0		6.8			14	
15		S.P. 3 - L628	2690			89 56 30	9.0			5.2	INT - PREVIOUS		15	REFER L-6 P. 396
16		S.P. 3 - L628	✓			270 03 00	9.0	-6.4		5.4	TIE		16	
17											+0.2 MISTIE		17	













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# HORIZONTAL AND VERTICAL SURVEY NOTES

10

GSI AREA BARLOW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 601 OF         
 LINE/LOOP NO. 672 TYPE SURVEY        CLIENT MUSKY NAR DATE 26 DAY 4 MO 79 YR  
 SURVEYOR T. STERN INSTRUMENT DESC/SERIAL NO.        CREW NO. 1182

LINE	  	STATION	VERTICAL						ELEVATION		L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION					
				SLOPE 	HORIZ 					INST					ROD
1										5.7			1	P-600	
2		SP 93	4400			89 57 30	9.0	+5.5	11.2				2		
3			✓			270 02 20	9.0						3		
4		94	3520			89 56 30	9.0	-5.2		6.0			4		
5		95	2640			89 56 00	9.0	-5.8		5.4			5		
6		96	1760			89 54 00	9.0	-5.9		5.3			6		
7		97	880			89 49 30	9.0	-6.3		4.9			7		
8		98	0			90 —	5.0	-5.0		6.2			8		
9		99	880			89 57 00	9.0	-6.7		4.5			9		
10		100	1760			89 56 40	9.0	-7.2		4.0			10		
11		101	2640			89 57 00	9.0	-6.6		4.6			11		
12		102	3520			89 57 50	9.0	-6.5		4.7			12		
13		103	4400			89 58 00	9.0	-6.3		4.9			13		
14			✓			270 01 40	9.0						14		
15													15		
16		103	1760			90 04 10	9.0	+1.1	16.0				16		
17			✓			269 55 40	9.0						17		





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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA BALDWIN STATE/COUNTY ALABAMA BOOK NO. 3 PAGE 102 OF       
 LINE/LOOP NO. 672 TYPE SURVEY      CLIENT MUSKEY NRI DATE 26 BY 4 MO 79 YR       
 SURVEYOR T. SHERRILL INSTRUMENT DESC/SERIAL NO.      CREW NO. 1102

LINE	   	STATION	VERTICAL						ELEVATION		HORIZONTAL		REMARKS	
			DISTANCE	FEET METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD	LR OR DR		RIGHT TURNED HORIZONTAL ANGLE
				SLOPE	HORIZ									
1									16.0					
2		SP 104	880		90 08 00	90	-11.0		5.0					
3		105	0		90 —	5.0	-5.2		11.0					
4		106	880		90 08 20	90	-11.1		4.9					
5		107	1760		90 02 20	90	-10.1		5.9					
6		108	2640		90 05 50	90	-12.3		2.7					
7		109	3520		90 04 00	90	-12.8		3.2					
8		110	4400		90 03 00	90	-12.6		3.4					
9			✓		264 54 50	90								
10														
11		110	4400		89 58 10	90	+6.5	9.9						
12			✓		270 01 30	90								
13		111	3520		89 56 30	90	-5.2		4.7					
14		112	2640		89 56 00	20	-5.8		4.1					
15		113	1760		89 51 40	90	-4.7		5.2					
16		114	880		89 39 40	90	-3.8		6.1					
17		115	0		90 —	5.0	-5.0		4.9					

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# HORIZONTAL AND VERTICAL SURVEY NOTES

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GSI AREA BARROW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 603 OF         
 LINE/LOOP NO. 672 TYPE SURVEY        CLIENT HUSKY AMR DATE 26 BY 4 MO 79 YR  
 SURVEYOR T. SHERRILL INSTRUMENT DESC/SERIAL NO.        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	<input checked="" type="checkbox"/> FEET <input type="checkbox"/> METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST					ROD
				SLOPE 	HORIZ 										
1												1			
2		S.P. 116	880		89 47 30	9.0	-5.8		4.1			2			
3		117	1760		89 54 30	9.0	-6.1		3.8			3			
4		118	2640		89 56 50	9.0	-6.4		3.5			4			
5		119	3520		89 57 10	9.0	-5.8		4.1			5			
6	○	120	4400		89 54 40	9.0	-2.0		7.9			6			
7	○		✓		270 05 00	9.0						7			
8												8			
9	Δ	120	4400		89 56 00	9.0	+3.6	11.5				9			
10	Δ		✓		270 03 50	9.0						10			
11		121	3520		89 55 40	9.0	-4.3		7.2			11			
12		122	2640		89 53 40	9.0	-4.0		7.5			12			
13		123	1760		89 55 20	9.0	-6.6		4.9			13			
14		S. SIMPSON WELL	1513		89 51 00	0.0	+4.0		15.5			14	TOP OF CASING CONTROL VALVE		
15		124	880		89 44 10	9.0	-4.9		6.6			15			
16	π	125	0		90 —	5.0	-5.0		6.5			16			
17		126	880		89 48 30	9.0	-6.0		5.5			17			

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# HORIZONTAL AND VERTICAL SURVEY NOTES

13

GSI AREA Barrow STATE/COUNTY ALASKA BOOK NO. 3 PAGE 604 OF         
 LINE/LOOP NO. 672 TYPE SURVEY        CLIENT Husky NPL DATE 26 DY 4 MO 79 YR  
 SURVEYOR T. SHERRILL INSTRUMENT DESC/SERIAL NO.        CREW NO. 1102

LINE	△ ⊕ SS ⊙	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										11.5			1	
2		S.P. 127	1760		89 55 00	9.0	-6.4			5.1			2	
3		128	2640		89 53 30	9.0	-3.9			7.6			3	
4		129	3520		89 57 40	9.0	-6.4			5.1			4	
5	⊙	130	4400		90 01 20	9.0?	-10.5			1.0			5	
6	⊙		✓		269 58 20	9.0							6	
7													7	
8	△	130	2640		90 03 00	9.0	+11.2		12.2				8	
9	△		✓		269 56 50	9.0							9	
10		131	1760		90 03 40	9.0	-10.8			1.4			10	
11		132	880		89 43 50	9.0	-4.9			7.3			11	
12	⊕	133	0		90 —	5.0	-5.0			7.3			12	
13		T.S.1	880		90 00 00	4.0	-4.0			8.2			13	
14		T.S.2	1760		90 00 50	4.0	-4.4			7.8			14	
15		T.S.3	2640		90 01 00	4.0	-4.6			7.6			15	
16		T.S.4	3520		90 00 20	4.0	-4.1			8.1			16	
17		T.S.5	4400		90 00 30	4.0	-4.2			8.0			17	
		T.S.6	5280		90 00 40	4.0	-4.5			7.7				

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# HORIZONTAL AND VERTICAL SURVEY NOTES

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GSI AREA Barrow STATE/COUNTY ALASKA BOOK NO. 3 PAGE 605 OF         
 LINE/LOOP NO. 672 4th LINE TYPE SURVEY        CLIENT Husky MR DATE 26 BY 4 MO 70 YR  
 SURVEYOR T. STEWART INSTRUMENT DESC/SERIAL NO.        CREW NO. 1102

LINE	△ SS ○	STATION	VERTICAL							HORIZONTAL		REMARKS		
			DISTANCE	FEET METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE
				SLOPE	HORIZ					INST	ROD			
1										1.0				
2	△	130	2640		90 03 00	9.0		+11.2	12.2					
3	△		✓		269 56 50	9.0								
4	△	133	0		90 —	5.0		-5.0						
5	○	△ CARB	15,831		89 57 10	6.0		+1.4		22.0		△ CARB - USED	FOR CHECK ONLY - DID NOT ADJ. VALUES.	
6	○		✓		270 02 30	6.0				23.7		△ CARB - 1102		
7												MISTIE		
8										± 1.7				
9										7.3		133		
10	△	133	8250		90 00 10	9.0	+0	+8.4	15.7					
11	△		✓		269 59 30	9.0								
12	△	123 + 550	0		90 —	5.0		-5.0						
13	○	113	8,800		90 00 50	9.0		-9.8		5.9			FOR CHECK ONLY	
14	○		✓		269 59 00	9.0								
15														
16														
17														

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