

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA BARRON STATE/COUNTY ALASKA BOOK NO. 3 PAGE 510 OF
 LINE/LOOP NO. 66B TYPE SURVEY CLIENT HUSKY OIL CO. DATE 10 DY 4 MO 79 YR
 SURVEYOR STONE 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	INST	ROD	LR OR DR	RIGHT TURNED HORIZONTAL ANGLE	
				SLOPE 									
1												1	
2		78369	1786		89 50 22	9.0	+3.8	18.7				2	
3			✓		270 10 05	9.0	✓					3	
4		T56	5280		09 56 15	15.0	-8.7		10.0			4	
5		T35	4400		89 56 10	15.0	-9.7		9.0			5	
6		T34	3520		89 54 20	9.0	-2.9		15.8			6	
7		T33	2640		89 45 59	9.0	+1.9		19.6			7	
8		T32	1760		89 56 04	4.0	-1.9		16.8			8	
9		T31	880		90 05 23	4.0	-5.4		13.3			9	
10		SP-1	0		90 00 00	5.0	-5.0		13.7			10	
11		SP-2	880		89 48 14	9.0	-6.0		12.7			11	
12		SP-3	1760		89 55 08	9.0	-6.4		12.3			12	
13		SP-4	2640		89 57 00	9.0	-6.6		12.1			13	
14		SP-5	3520		89 57 34	9.0	-6.3		12.5			14	
15		SP-6	4400		09 57 50	9.0	+5.6		13.1			15	
16		✓	✓		270 02 30	9.0	✓					16	
17												17	

TI-23471B

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

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA BARROW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 511 OF
 LINE/LOOP NO. 668 TYPE SURVEY CLIENT Husky oil co. DATE 10 DY 4 MO 79 YR
 SURVEYOR STONE INSTRUMENT DESC/SERIAL NO. CREW NO. 1182

LINE	△ ⊕ ⊙	STATION	VERTICAL						HORIZONTAL		REMARKS				
			DISTANCE	□ FEET □ METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		LR OR DR	RIGHT TURNED HORIZONTAL ANGLE	LINE	
				▲ SLOPE	▲ HORIZ					▲					▲
1													1		
2	△	SP-6			89 57 24	9.0	+5.2	18.3					2		
3	△	✓	4400		270 02 43	9.0	✓						3		
4		SP-7	3520		89 57 10	9.0	-5.8						4		
5		SP-8	2640		89 58 05	9.0	-7.4						5		
6		SP-9	1760		89 55 30	9.0	-6.6						6		
7		SP-10	800		89 51 22	9.0	-6.8						7		
8	⊕	SP-11	0		90 00 00	5.0	-5.0						8		
9		SP-12	880		89 54 30	9.0	-7.6						9		
10		SP-13	1760		89 58 00	9.0	-7.9						10		
11		SP-14	2640		89 58 45	9.0	-7.9						11		
12		SP-15	3520		89 44 50	9.0	+6.8						12		
13	⊙	SP-15+190	4310		89 45 10	9.0	+10.1						13		
14	⊙	✓	✓		270 15 00	9.0	✓						14		
15													15		
16													16		
17													17		

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HORIZONTAL AND VERTICAL SURVEY NOTES

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GSI AREA BARROW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 512 OF
 LINE/LOOP NO. 668 TYPE SURVEY CLIENT HUSKY OIL CO. DATE 10 BY 4 MO 79 YR
 SURVEYOR STONE INSTRUMENT DESC/SERIAL NO. CREW NO. 1182

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> \odot	STATION	VERTICAL							HORIZONTAL		REMARKS			
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			LR OR DR	RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE	HORIZ					INST	ROD				
1													1		
2	Δ	SP-15+790	✓		89 50 30	9.0	-3.9	24.5					2		
3	Δ		✓	4490	270 09 37	9.0	✓						3		
4		SP-16		4400	89 50 00	9.0	+4.2						4		
5		SP-17		3520	89 54 10	9.0	-2.8						5		
6		SP-18		2640	89 52 20	9.0	-2.9						6		
7		SP-19		1760	89 48 30	9.0	-3.1						7		
8		SP-20		880	89 43 50	9.0	-5.0						8		
9	∇	SP-21		0	90 00 00	5.0	-5.0						9		
10		SP-22		880	89 44 20	9.0	-5.0						10		
11		SP-23		1760	89 50 15	9.0	-3.9						11		
12		SP-24		2640	89 52 04	9.0	-2.8						12		
13	\odot	SP-25		3520	89 44 17	9.0	+7.4						13		
14	\odot		✓	-	270 15 53	9.0	✓						14		
15													15		
16													16		
17													17		

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HORIZONTAL AND VERTICAL SURVEY NOTES

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GSI AREA BARROW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 513 OF
 LINE/LOOP NO. 668 TYPE SURVEY CLIENT Husky Oil Co. DATE 10 DY 9 MO 79 YR
 SURVEYOR STONE INSTRUMENT DESC/SERIAL NO. CREW NO. 1182

LINE	  	STATION	VERTICAL						HORIZONTAL		REMARKS				
			DISTANCE	<input 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									31.9			1			
2		SP-25	✓		89 43 07	9.0	-13.1	18.8				2			
3			4400		270 16 54	9.0	✓					3			
4		L-659W SP-227133 L-668 SP-251486	3914		89 46 00	9.0	+7.2		26.0			4			
5		SP-22-L-659-W	3916		89 45 45	9.0	+7.6	VERTIC-10.6	26.4		SP-22 E11-25.8	5	E11 SP-22-L699W		
6												6	Ref. page 439		
7		SP-26	3520		89 47 25	9.0	+4.1		22.9			7	Line # 1A PAR. 111		
8		SP-27	2640		89 55 10	9.0	-5.1		13.7			8			
9		SP-28	1760		89 52 30	9.0	-5.1		213.7			9			
10		SP-29	880		89 45 47	9.0	-5.3		213.5			10			
11		SP-30	0		90 00 00	5.0	-5.0		13.8			11			
12		SP-31	880		89 47 28	9.0	-5.8		13.0			12			
13		SP-32	1760		89 56 05	9.0	-6.9		11.9			13			
14		SP-33	2640		89 57 38	9.0	-7.0		11.8			14			
15		L-668 SP-33 + 614 L-666 SP-24 + 659	3254		89 58 47	9.0	-7.6		11.2			15			
16		SP-25-L-666	3261		89 57 26	9.0	-6.4	VERTIC-0.4	12.4		SP-25 E11-12.8	16	E11 SP-25-L-666		
17		SP-34	3520		89 53 40	9.0	-2.3		16.5			17	Ref. Page 503-LINE 16		

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HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA BARRON STATE/COUNTY ALASKA BOOK NO. 3 PAGE 574 OF
 LINE/LOOP NO. 668 TYPE SURVEY CLIENT Husky Oil Co. DATE 10 DY 4 MO 78 YR
 SURVEYOR STONE INSTRUMENT DESC/SERIAL NO. CREW NO. 1182

LINE	 	STATION	VERTICAL						ELEVATION		LR 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										18.8				1	
2		SP-35	4400			89 54 20	15.0	-7.2			11.6			2	
3						270 05 55	15.0							3	
4														4	
5		SP-35				89 54 15	15.0	+7.1		18.7				5	
6			4400			270 05 56	15.0							6	
7		SP-36	3520			89 55 45	9.0	-4.4			14.3			7	
8		SP-37	2640			89 54 40	9.0	-4.8			13.9			8	
9		SP-38	1760			89 49 46	9.0	-3.7			15.0			9	
10		SP-39	880			89 49 46	9.0	-6.4			12.3			10	
11		SP-40	0			90 00 00	5.0	-5.0			13.7			11	
12		SP-41	880			89 43 22	9.0	-4.7			14.0			12	
13		SP-42	1760			89 48 00	9.0	-2.8			15.9			13	
14		SP-43	2640			89 51 27	9.0	-3.0			15.7			14	
15		SP-44	3520			89 52 30	9.0	-1.1			17.6			15	
16		SP-45	4400			89 52 07	9.0	+1.6			20.3			16	
17						270 08 00	9.0							17	

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HORIZONTAL AND VERTICAL SURVEY NOTES

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GSI AREA BARROW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 515 OF
 LINE/LOOP NO. 668 TYPE SURVEY CLIENT Husky oil CO. DATE 10 DY 4 MO 79 YR
 SURVEYOR STONE INSTRUMENT DESC/SERIAL NO. CREW NO. 1182

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> \nearrow <input type="checkbox"/> SS <input type="checkbox"/> \odot	STATION	VERTICAL						ELEVATION		LR OR DI	HORIZONTAL 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	INST					ROD
				SLOPE 	HORIZ 										
1															
2	Δ	SP45			89 53 00	9.0	-0.5	19.8		20.3					
3	Δ		4400		270 07 16	9.0									
4		SP46	3520		89 50 30	9.0	+0.9			20.7					
5		SP47	2640		89 49 10	9.0	-0.5			19.3					
6		SP48	1760		89 52 05	9.0	-4.9			14.9					
7		SP49	880		89 44 40	9.0	-5.1			14.7					
8	\nearrow	SP50	0		90 00 00	5.0	-5.0			14.8					
9		SP51	880		89 50 30	9.0	-6.6			13.2					
10		SP52	1760		90 01 18	9.0	-9.6			10.2					
11		SP53	2640		90 04 20	9.0	-12.2			17.6					
12		SP54	3520		90 02 20	9.0	-11.1			8.7					
13	\odot	SP55	4400		90 03 05	9.0	-12.4			7.4					
14	\odot				269 57 10	9.0									
15															
16															
17															

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HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA BARROW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 516 OF
 LINE/LOOP NO. 668 TYPE SURVEY CLIENT Husky Oil Co. DATE 10 BY 4 MO 29 YR
 SURVEYOR STONE INSTRUMENT DESC/SERIAL NO. CREW NO.

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	FINAL ELEVATION DIFF	ELEVATION			LR OR DI	RIGHT TURNED HORIZONTAL ANGLE
				SLOPE	HORIZ					INST	ROD			
1													1	
2	Δ	SP-55	✓		89 57 01	9.0	+4.7	12.1					2	
3	Δ	✓	4400		270 03 10	9.0	✓						3	
4		SP-56	3520		89 55 50	9.0	-4.5			7.6			4	
5		SP-57	2640		89 55 11	9.0	-5.2			6.9			5	
6		SP-58	1760		89 52 30	9.0	-5.1			7.0			6	
7		SP-59	880		89 44 50	9.0	-5.1			7.0			7	
8	⊥	SP-60	0		90 00 00	5.0	-5.0			7.1			8	
9		SP-61	880		89 47 05	9.0	-5.7			6.4			9	
10		SP-62	1760		89 55 15	9.0	-6.5			5.6			10	
11		SP-63	2640		89 58 37	9.0	-7.8			4.3			11	
12		SP-64	3520		89 55 51	9.0	-4.5			7.6			12	
13	⊙	SP-65	4400		89 56 13	9.0	-3.7			8.4			13	
14	⊙	✓	✓		270 03 50	9.0	✓						14	
15													15	
16													16	
17													17	

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HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA BARROW STATE/COUNTY ALASKA BOOK NO. 3 PAGE 517 OF
 LINE/LOOP NO. 668 TYPE SURVEY CLIENT HUSKY OIL CO. DATE 10 BY 4 MO 19 YR
 SURVEYOR STONE 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	<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										8.4			1		
2	Δ	SP-65			89 51 57	9.0	+4.7	13.1					2		
3	Δ		1760		270 08 21	9.0							3		
4		SP-66	880		89 43 10	9.0	-4.7			8.4			4		
5	⊕	SP-67	0		90 00 00	5.0	-5.0			8.1			5	SP-67-LAST SP.	
6		TS-1	880		90 16 26	9.0	-13.2			-09			6		
7		TS-2	1760		90 06 12	9.0	-12.1			-1.0			7		
8		TS-3	2640		89 56 50	15.0	-12.4			0.7		Ver Tie = 0.7	8	TS-3 TIE SEA-LEVEL	
9		TS-4	3520		90 02 50	9.0	-11.7			1.4			9	Shoot Rod on ICE.	
10		TS-5	4400		89 56 10	9.0	-3.7			9.4			10	TS-5 NOT ON ICE.	
11	⊙	TS-6	5280		89 54 32	9.0	-0.1			13.2			11	TS-6 " " "	
12	⊙				270 05 40	9.0							12		
13													13		
14													14		
15													15		
16													16		
17													17		

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