

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA: TESHEKPUK STATE/COUNTY: ALASKA BOOK NO. 2 PAGE 376 OF       
 LINE/LOOP NO. 628 TYPE SURVEY      CLIENT HUSKY OIL Co. DATE 21 DY 3 MO 79 YR  
 SURVEYOR D. STONE INSTRUMENT DESC/SERIAL NO.      CREW NO.     

LINE	  	STATION	VERTICAL						ELEVATION		L/R OR D/I	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	$\Delta$	T9500-SP-1	0				5.0			26.9				
3	$\Delta$													
4	S.S.	T61	880	89Z	89 47 52	9.0		-5.9		20.8				
5	S.S.	T32	1760		89 56 01	9.0		-6.9		19.8				
6	S.S.	T33	2640		90 00 51	9.0		-9.5		17.2				
7	S.S.	T34	3520		90 00 19	9.0		-9.1		17.6				
8	S.S.	T35	4400		89 58 42	9.0		-6.9		19.8				
9	S.S.	T36	5280		89 58 35	9.0		-6.2		20.5				T5 1/2 S.W. 1/4 L-628
10	X	SP-1	0				5.0		-5.0					
11		SP-2	880		90 26 43	9.0		-15.8		10.9				
12		SP-3	1760		90 15 45	9.0		-17.0		9.7				
13		SP-4	2640		90 11 04	9.0		-17.4		9.				
14	⊙	SP-5	3520		90 00 25	9.0		-17.1		18.9.8				
15	⊙				269 51 50	9.0								
16														
17														

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SYMBOLS

$\Delta$  = BACKSIGHT

$\nabla$  = INSTRUMENT SET-UP

SS = SIDESHOT

⊙ = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA TESHER PUK STATE/COUNTY ALASKA BOOK NO. 2 PAGE 377 OF       
 LINE/LOOP NO. 628 TYPE SURVEY      CLIENT HUSKY Oil Co. DATE 21 DY 3 MO 79 YR  
 SURVEYOR D. STONE INSTRUMENT DESC/SERIAL NO.      CREW NO. 1182

2

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		L/R OR DJI		RIGHT TURNED HORIZONTAL ANGLE	
				SLOPE					HORIZ	INST				ROD
1												1		
2													2	
3	A'	SP5	✓		89 00 11	9.0	+8.8	18.4					3	
4	B'		2640		90 00 01	9.0							4	
5		SP6	1760		89 57 14	9.0	-7.5	10.9					5	
6		SP7	880		89 43 07	9.0	-4.7	13.7					6	
7	A	SP8	0		-	5.0	-5.0	13.4					7	
8		SP9	880		89 25 44	9.0	-0.2	18.2					8	
9		SP10	1760		89 53 47	9.0	-5.8	12.6					9	
10		SP11	2640		89 51 57	9.0	-2.7	15.7					10	
11	B'	SP11 + 194	2834		89 48 36	9.0		18.9					11	SP11 + 194 = Well site
12	D'		✓		210 11 22	9.0	+0.5						12	
13													13	
14													14	
15													15	
16													16	
17													17	

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA TESHKUPUK STATE/COUNTY ALASKA BOOK NO. 2 PAGE 37B OF 3  
 LINE/LOOP NO. 628 TYPE SURVEY \_\_\_\_\_ CLIENT Husky oil co. DATE 23 DY 8 MO 79 YR  
 SURVEYOR D 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		L/R OR D/I		RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE					HORIZ	INST				
1												1		
2		SP11+194	✓		89 57 52	9.0	+2.8	21.8				2		
3			2446		270 08 34	9.0						3		
4		SP12	1760		89 45 51	9.0	-1.7		20.1			4		
5		SP13	880		89 37 01	9.0	-3.0		18.8			5		
6		SP14	0		90 00 00	5.0	-5.0		16.8			6		
7		SP15	880		89 45 45	9.0	-5.3		16.5			7		
8		SP16	1760		89 53 10	9.0	-5.4		16.4			8		
9		SP17	2640		89 58 10	9.0	-7.3		14.5			9		
10			✓		270 02 13	9.0						10		
11		SP17	✓		89 58 36	9.0		21.2				11		
12			4400		270 01 34	9.0	+6.7					12		
13		SP18	3520		89 58 45	9.0	-7.5		13.7			13		
14		SP19	2640		89 58 05	9.0	-7.4		13.8			14		
15		SP20	1760		89 56 58	9.0	-7.4		13.8			15		
16		SP21	880		89 51 52	9.0	-6.9		14.3			16		
17		SP22	0		90 00 00	5.0	-5.0		16.2			17		

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA TESHEKPUK STATE/COUNTY ALASKA BOOK NO. 2 PAGE 379 OF 4  
 LINE/LOOP NO. 620 TYPE SURVEY T II CLIENT HUSKY Oil Co DATE 23 DY 3 MO 29 YR  
 SURVEYOR D. STONE INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1182

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL						ELEVATION		L/R OR D/I	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												1		
2		SP-23	880			89 58 45	9.0		-8.7		21.2	12.5	2	
3		SP-24	1760			89 51 45	15.0		-14.8			6.4	3	
4	⊙	SP-25	2640			89 57 41	9.0						4	
5	⊙		✓			270 02 30	9.0		-7.0			14.2	5	
6													6	
7	A	SP-25				89 53 55	9.0			18.1			7	
8	A		2760			270 06 16	9.0		+3.9				8	
9	⊗	TP-1	0										9	
10	⊙	79065	1800			90 00 00	4.9		-4.8			0 13.3	10	BR-79065 E11.13.30
11	⊙		✓			270 00 00	4.9					13.3	11	Ms Tie =
12													12	
13	Δ	79065	1800			90 00 00	4.9		+4.8	18.1		0.0	13	Δ TK-BR-79065
14	Δ		✓			270 00 00	4.9						14	
15	⊗	TP-1	0										15	
16	⊙	SP-25	2760			89 53 55	9.0		-3.9			14.2	16	
17	⊙		✓			270 06 16	9.0						17	

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA TESHEK PUK STATE/COUNTY ALASKA BOOK NO. 2 PAGE 380 OF       
 LINE/LOOP NO. 628 TYPE SURVEY      CLIENT Husky oil co. DATE 23 DY 3 MO 79 YR.  
 SURVEYOR D. STONE INSTRUMENT DESC/SERIAL NO.      CREW NO. 1182

5

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		L/R OR D/I		RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE					HORIZ	INST				
1												1		
2		SP-15	3520	<del>89 55 27</del>	89 55 27	9.0	+4.0	18.3				2		
3				<del>270 05 42</del>	270 04 42	9.0						3		
4		SP-26	2640		89 53 02	9.0	-3.5	14.0				4		
5		SP-27	1760		89 53 58	9.0	-5.9	12.4				5		
6		SP-28	880		89 41 12	9.0	-4.2	14.1				6		
7		SP-29	0		90 00 00	5.0	-5.0	13.3				7		
8		SP-30	880		89 47 02	9.0	-5.7	12.6				8		
9		SP-31	1760		89 53 05	9.0	-5.4	12.9				9		
10		SP-32	2640		89 57 19	9.0	-6.8	11.5				10		
11		SP-33	3520		89 57 31	9.0						11		
12					270 02 43	9.0	-6.1	12.2				12		
13												13		
14												14		
15												15		
16												16		
17												17		

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA TESHEKPUK STATE/COUNTY ALASKA BOOK NO. 2 PAGE 381 OF 6  
 LINE/LOOP NO. 620 TYPE SURVEY T II CLIENT Husky Oil Co DATE 23 BY 3 MO 12 YR  
 SURVEYOR D. STONE INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. \_\_\_\_\_

LINE	 SS	STATION	VERTICAL							HORIZONTAL		REMARKS	
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		RIGHT TURNED HORIZONTAL ANGLE		LINE
			SLOPE	HORIZ					INST	ROD			
1												1	
2		SP-33	✓		89 57 56	9.0	+6.5	18.6				2	
3			3520		270 02 19	9.0						3	
4		SP-34	2640		89 58 13	9.0	-7.5	11.1				4	
5		SP-35	1760		89 57 09	9.0	-7.5	11.1				5	
6		SP-36	880		89 41 25	9.0	-4.2	14.4				6	
7		SP-37	0		90 00 00	5.0	-5.0	13.6				7	
8		SP-38	880		89 41 38	9.0	-4.3	14.3				8	
9		SP-39	1760		89 41 03	9.0	+0.8	19.4				9	
10		SP-40	2640		89 53 39	9.0						10	
11			✓		270 06 27	9.0	-3.9	14.7				11	
12												12	
13		SP-40	880		89 56 19	9.0	+8.0	22.8				13	
14			✓		270 03 56	9.0						14	
15		SP-41	0		90 00 00	5.0	-5.0	17.8				15	
16		SP-42	880		90 17 36	9.0						16	
17			✓		269 42 35	9.0	-13.5	9.3				17	

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA TESHKEPUK STATE/COUNTY ALASKA BOOK NO. 2 PAGE 382 OF 7  
 LINE/LOOP NO. 628 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKEY OIL CO. DATE 23 BY 3 MO 79 YR  
 SURVEYOR D. 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		L/R OR D/I		RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE					HORIZ	INST				
1												1		
2		SP-42	✓		90 00 22	9.0	+8.8	18.1				2		
3			4400		270 00 01	9.0						3		
4		SP-43	3520		90 04 46	9.0	-13.6		4.5			4		
5		SP-44	2640		90 05 42	9.0	-13.2		4.9			5		
6		SP-45	1760		90 08 19	9.0	-13.1		5.0			6		
7		SP-46	880		89 49 53	9.0	-5.9		12.2			7		
8		SP-47	0		90 00 00	5.0	-5.0		13.1			8		
9		SP-48	880		89 59 09	9.0	-8.8		9.3			9		
10		SP-49	1760		89 54 41	9.0	-6.2		11.9			10		
11		SP-50	2640		89 56 42	9.0	-6.3		11.8			11		
12		SP-51	3520		89 49 36	9.0						12		
13			✓		270 10 32	9.0	+2.0		20.1			13		
14												14		
15												15		
16												16		
17												17		

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA TESHAK PUK STATE/COUNTY ALASKA BOOK NO. 2 PAGE 383 OF 8  
 LINE/LOOP NO. 428 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY OIL CO. DATE 23 DY 3 MO 79 YR  
 SURVEYOR D. STONE INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ 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		SP51	✓		89 50 17	9.0		-1.3	18.8					2
3			3520		270 09 53	9.0								3
4		SP52	2640		89 59 14	9.0		-8.3		10.5				4
5		SP53	1760		89 57 46	9.0		-7.8		11.0				5
6		SP54	880		90 00 32	9.0		-9.1		9.7				6
7		SP55	0		90 00 00	5.0		-5.0		13.8				7
8		79064	3900		90 00 00	9.9		-9.6		E11.9.2		79064 BARR		8
9			✓		270 00 00					E11.9.2		79064-1182		9
10										I 0.0				10
11														11
12														12
13		TK 79064	3900		90 00 00	9.9		+9.6	18.4					13
14			✓		270 00 00	9.9								14
15		SP56	880		90 25 00	9.0		-15.4	3.0					15
16		SP57	1760		90 12 15	9.0		-15.2	3.2					16
17		SP58	2640		90 05 50	9.0		-13.3	5.1					17

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA TESHKPUK STATE/COUNTY ALASKA BOOK NO. 2 PAGE 384 OF 9  
 LINE/LOOP NO. 628 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY Oil Co. DATE 23 DY 3 MO 19 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		L/R OR DIE		RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE					HORIZ	INST				
1												1		
2		SP-59	3520		89 58 41	15.0		-13.4		5.0			2	
3		SP-60	4400		90 00 59	15.0							3	
4					269 59 07	15.0		-15.8		2.6			4	
5													5	
6		SP-60			89 54 43	15.0		+9.3	11.6				6	
7			3520		270 05 24	15.0							7	
8		SP-61	2640		90 01 14	9.0		-9.8		1.8			8	
9		SP-62	1760		90 01 23	9.0		-9.6		2.0			9	
10		SP-63	880		89 55 04	9.0		-7.7		3.9			10	
11		SP-64	0		90 00 00	5.0		-5.0		6.6			11	
12		SP-65	880		89 28 55	9.0		-1.0		10.6			12	
13		SP-66	1760		89 59 07	9.0		-8.5		3.1			13	
14		SP-67	2640		89 53 38	9.0		-4.0		7.6			14	
15		SP-68	3520		89 53 49	9.0							15	
16					270 06 28	9.0		-2.3		9.3			16	
17													17	

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA TESHKUPUK STATE/COUNTY ALASKA BOOK NO. 3 PAGE 385 OF 10  
 LINE/LOOP NO. 628 TYPE SURVEY TII CLIENT HUSKY OIL CO. DATE 23 DY 3 MO 78 YR  
 SURVEYOR STONE INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1182

LINE	SS ⊙	STATION	VERTICAL							HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		L/R OR DI		RIGHT TURNED HORIZONTAL ANGLE
				<input type="checkbox"/> METERS					INST	ROD			
		SLOPE	HORIZ										
1												1	
2	A	SP68	✓		89 57 42	9.0	+6.3	15.2				2	
3	A		3520		270 02 33	9.0						3	
4		SP69	2640		89 56 50	9.0	-6.4		8.8			4	
5		SP70	1760		89 58 14	9.0	-8.0		7.2			5	
6		SP71	880		89 56 44	9.0	-8.2		7.0			6	
7	⊗	SP72	0		90 10 00	5.0	-5.0		10.2			7	
8		SP73	880		89 46 59	9.0	-5.7		9.5			8	
9		SP74	1760		90 01 06	15.0	-15.5		-0.3			9	
10		SP75	2640		90 01 41	9.0	-10.2		5.0			10	
11	⊙	SP75 +550	3190		89 55 30	9.0	-4.5		10.7			11	
12	⊙		✓		270 04 45	9.0						12	
13												13	
14	A	SP75 +550	7174.0 20174.35		89 57 07	9.0						14	
15	Δ		291 ✓		270 03 12	9.0	+1.4	12.3				15	
16	⊙											16	
17	⊙	79063	0		90 00 00		-5.0		ELL 7.5 FIL. 8.4		JAN 79063 79063-1182	17	79063

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA TESHKEPDUK STATE/COUNTY ALASKA BOOK NO. 2 PAGE 386 OF       
 LINE/LOOP NO. 628 TYPE SURVEY      CLIENT HUSKY Oil Co. DATE 24 DY 3 MO 78 YR  
 SURVEYOR D. STONE INSTRUMENT DESC/SERIAL NO.      CREW NO.     

11

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		RIGHT TURNED HORIZONTAL ANGLE		LINE
				SLOPE					HORIZ	INST			
1												1 TAKE OFF-ELL.	
2	Δ	79063	0		90 00 00	5.0	+15.0	12.3				2 79063 = 73	
3												3	
4	⊙	SP.75+550	7174.0		89 57 07	9.0						4	
5	⊙		✓		270 03 12	9.0	-1.6		10.7			5	
6												6	
7	Δ	SP.75+550	✓		89 55 32	9.0						7	
8	Δ		2970		270 04 54	9.0	+4.8	15.5				8	
9		SP.76	2640		89 52 46	9.0	-3.3		12.2			9	
10		SP.77	1760		90 04 24	9.0	-11.2		4.3			10	
11		SP.78	880		89 50 42	9.0	-6.6		8.9			11	
12	Δ	SP.79	0		90 00 00	5.0	-5.0		10.5			12	
13		SP.80	880		90 00 20	9.0	-9.0		6.5			13	
14		SP.81	1760		90 00 04	9.0	-9.0		6.5			14	
15		SP.82	2640		90 00 29	9.0	-9.2		6.3			15	
16	⊙	SP.83	3520		89 53 33	9.0	-2.0		13.5			16	
17	⊙		✓		270 06 46	9.0						17	

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

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA TISHKPOK STATE/COUNTY ALASKA BOOK NO. 2 PAGE 387 OF \_\_\_\_\_  
 LINE/LOOP NO. 628 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY OIL CO. DATE 24 DY 3 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		L/R OR DI		RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1									13.5			1	
2		SP-83	✓		89 52 09	9.0		-1.6	12.0			2	
3			4400		270 08 04	9.0						3	
4		SP-84	3520		89 56 06	9.0		-4.8		7.2		4	
5		SP-85	2640		89 54 02	9.0		-4.3		7.7		5	
6		SP-86	1760		89 50 15	9.0		-3.9		8.1		6	
7		SP-87	880		89 41 45	9.0		-4.3		7.7		7	
8		SP-88	0		90 00 00	5.0		-5.0		7.0		8	
9		SP-89	880		89 48 59	9.0		-6.2		5.8		9	
10		SP-90	1760		89 56 19	9.0		-7.1		4.9		10	
11		SP-91	2640		89 56 35	9.0		-6.2		5.8		11	
12		SP-92	3520		89 58 11	9.0		-6.9		5.1		12	
13		SP-93	4400		89 58 00	9.0		-6.0		6.0		13	
14			✓		270 02 04	9.0						14	
15												15	
16												16	
17												17	

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

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA TESHEKPIK STATE/COUNTY ALASKA BOOK NO. 2 PAGE 388 OF 13  
 LINE/LOOP NO. 628 TYPE SURVEY TT CLIENT HUSKY OIL CO. DATE 24 DY 3 MO 78 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		L/R OR D/I		RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1									6.0			1	
2		SP-93		<del>89 55 48</del> 89 55 48	9.0							2	
3			4400	<del>270 04 84</del> 270 04 84	9.0	+3.0	9.0					3	
4		SP-94	3520	<del>89 54 00</del> 89 54 00	15.0	-8.6		0.4				4	
5		SP-95	2640	89 52 00	9.0	-2.7		6.3				5	
6		SP-96	1760	89 49 31	9.0	-3.6		5.4				6	
7		SP-97	880	89 34 27	9.0	-2.4		6.6				7	
8		SP-98	0	90 00 00	5.0	-5.0		4.0				8	
9		SP-99	880	89 39 06	9.0	-3.6		5.4				9	
10		SP-100	1760	89 50 10	9.0	-3.9		5.1				10	
11		SP-101	2640	89 52 15	9.0	-2.9		6.1				11	
12		SP-102	3520	89 54 50	9.0	-3.5		5.5				12	
13		SP-103	4400	89 56 53	9.0	-4.6		4.4				13	
14				270 03 11	9.0							14	
15												15	
16												16	
17												17	

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SYMBOLS

= BACKSIGHT

= INSTRUMENT SET-UP

ss = SIDESHOT

= FORESIGHT

### STADIA SURVEY NOTES

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AREA TESIHEKPUK STATE or PROVINCE ALASKA PAGE No. 389  
 LINE No.(s) 62B PARTY No. 1182 DATE 24 Day 3 Mo. 79 Yr. BOOK No. 2  
 SURVEYOR STONE RODMAN \_\_\_\_\_ WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.		
1											4.4			
2	S	✓			89 54 02			9.0				Δ	SP-103	
3		4400			270 06 04			9.0	+0.9	5.3		Δ		
4								9.0						
5		3520			89 52 03			9.0	-0.6		4.7		SP-104	
6		2640			89 50 47			9.0	-7.9		- 2.6		SP-105	
7		1760			89 52 53			9.0	-5.3		0.0		SP-106	
8		880			89 46 12			9.0	-5.5		- 0.2		SP-107	
9		0			90 00 00			5.0	-50		0.3	×	SP-108	
10		880			89 30 58			9.0	-1.6		3.7		SP-109	
11		1760			89 29 43			9.0	+6.6		11.9		SP-110	
12	N	2640			89 34 53			9.0	+10.5		15.8	0	SP-111	
13		✓			270 25 22			9.0				0		
14														
15	S	✓			89 49 16			9.0	-2.3	13.6		Δ		
16		3520			270 10 52			9.0				Δ		
17		2640			89 51 00			9.0	-2.0		11.6		SP-112	
18		1760			89 48 14			9.0	-2.9		10.7		SP-113	
19		880			89 35 50			9.0	-8.4		5.2		SP-114	
20		0			90 00 00			5.0	-5.0		8.6	×	SP-115	

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STADIA SURVEY NOTES

15

AREA TESHKPUK STATE or PROVINCE ALASKA PAGE No. 390  
 LINE No.(s) 620 PARTY No. 1102 DATE 24 Day 3 Mo. 79 Yr. BOOK No. 5  
 SURVEYOR STONE RODMAN \_\_\_\_\_ WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												13.6				
2		880			90 11 14				9.0	-11.9		1.7		SP-116		
3		1760			90 08 32				9.0	-13.3		0.3		SP-117		
4		2640			90 05 40				9.0	-13.2		0.4		SP-118		
5		3520			89 55 46				9.0	-4.4		9.2		SP-119		
6		4400			89 56 55				9.0			✓	0	SP-120		
7	N	✓			210 03 14				9.0	-4.6		9.0	0			
8																
9		1920			89 45 12				9.0				Δ	SP-120		
10		✓			270 15 05				9.0	+0.6	2.6		Δ			
11		0			90 00 00				5.0	-5.0		4.6	Δ	TP-		
12		3100			90 00 00				2.3			✓	0	79061		
13		✓			270 00 00				2.3	-2.1		7.5	0			
14																
15																
16		3100			90 00 00				2.3			✓	Δ	79061		
17		✓			270 00 00				2.3	+2.1	9.5		Δ			
18		1920			89 45 12				9.0			✓	0	✓		
19		✓			270 15 05				9.0	-0.6		8.9	0	SP-120		
20																

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### STADIA SURVEY NOTES

16

AREA TESHKPUK STATE or PROVINCE ALASKA PAGE No. 391  
 LINE No.(s) 62B PARTY No. 1182 DATE 24 Day 2 Mo. 78 Yr. BOOK No. 2  
 SURVEYOR STONE RODMAN \_\_\_\_\_ WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											8.9		SP-120		
2	✓				(89 52 43)			9.0				Δ	SP-120		
3		4400			(216 07 25)			9.0	-0.8	8.1		Δ			
4		3520			89 54 34			9.0	-3.2		4.9		SP-121		
5		2640			89 54 12			9.0	-4.4		2.7		SP-122		
6		1760			89 50 10			9.0	-3.9		4.2		SP-123		
7		880			89 42 41			9.0	-4.6		3.5		SP-124		
8		0			90 00 00			5.0	-5.0		3.1	Σ	SP-125		
9		880			89 50 13			9.0	-6.5		1.6		SP-126		
10		1760			89 58 30			9.0	-8.2		0.9		SP-127		
11		2640			89 53 45			9.0	-5.6		2.5		SP-128		
12		3520			89 59 20			9.0	-8.1		0.0		SP-129		
13		4400			(89 58 04)			9.0			✓	0	SP-130		
14	✓				(210 02 08)			9.0	-6.0		1.7	0	✓		
15															
16															
17															
18															
19															
20															

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**STADIA SURVEY NOTES**

AREA TESHUKPUK STATE or PROVINCE ALASKA PAGE No. 392  
 LINE No.(s) GRB PARTY No. 1182 DATE 24 Day 3 Mo. 79 Yr. BOOK No. 2  
 SURVEYOR STONE RODMAN \_\_\_\_\_ WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Δ B.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												1.7				
2	S	✓			(89 57 35)				9.0				Δ	SP130		
3		4400			(270 00 50)				9.0	+7.8	9.3		Δ			
4		3520			89 56 56				9.0	-7.7		1.6		SP131		
5		2640			90 00 12				9.0	-9.0		0.3		SP132		
6		1760			89 56 22				9.0	-7.1		2.2		SP133		
7		880			89 46 12				9.0	-5.5		3.8		SP134		
8		0			90 00 00				9.0	-5.0		4.3	π	SP135		
9		880			89 41 33				9.0	-4.3		5.0		SP136		
10		1760			89 50 21				9.0	-4.0		5.3		SP137		
11		2640			89 54 24				9.0	-4.6		4.7		SP138		
12		3520			(89 55 23)				9.0			✓	0	SP139		
13		✓			(270 04 43)				9.0	-4.0		5.3	0			
14																
15		3464			(90 09 17)				9.0	+17.9	23.2		Δ	SP139		
16		✓			(269 51 13)				9.0		✓		Δ			
17																
18		0			90 00 00				5.0	-5.0		18.2	0	EH 18.2	BARR - 79060	
19													0	EH 19.0	79060 - 1182	
20														VER. TIE	= +0.8	

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STADIA SURVEY NOTES

AREA TESHUKPUK STATE or PROVINCE ALASKA PAGE No. 393  
 LINE No.(s) 628 PARTY No. 1182 DATE 24 Day 3 Mo. 79 Yr. BOOK No. 2  
 SURVEYOR STONE RODMAN: WEATHER: P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. ○F.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair-Read	Reading	Correc-tion			Center Hair	INST.			
1										18.2				TK-EH-18.2	
2		0			90 00 00			5.0	+5.0	23.5		Δ		TK-BARR.79060	
3		0			270 00 00							Δ			
4															
5		3464			90 09 17			9.0	-17.9		5.6	○	SP139		
6					269 57 03			9.0				○			
7															
8		✓			90 09 44			9.0	+20.7	26.8		Δ	SP139		
9		4400			269 50 46			9.0				Δ			
10		3520			90 12 58			9.0	-22.0		4.8		SP140		
11		2140			90 20 00			9.0	-24.2		2.6		SP141		
12		1760			90 19 00			15.0	-24.7		2.1		SP142		
13		880			89 57 00			9.0	-8.2		18.6		SP143		
14		0	✓		90 00 00			5.0	-5.0		21.8	π	SP144		
15		880			89 43 46			9.0	-4.8		22.8		SP145		
16		1760			89 58 06			9.0	-8.0		18.8		SP146		
17		2640			90 03 20			9.0	-11.4		15.9		SP147		
18		3520			90 09 32			9.0	-18.5		8.3		SP148		
19		4400			90 07 12			9.0	-17.5		9.3	○	SP149		
20		✓			269 53 14			9.0	✓			○	✓		

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**STADIA SURVEY NOTES**

AREA TESHERPUK STATE or PROVINCE ALASKA PAGE No. 394  
 LINE No.(s) 62B PARTY No. 1182 DATE 24 Day 3 Mo. 79 Yr. BOOK No. 2  
 SURVEYOR STONE RODMAN \_\_\_\_\_ WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											9.3				
2	v				90 02 26			9.0	+11.5	21.3		Δ	SP-149		
3		4400			263 57 57			9.0	v			Δ			
4		3520			90 03 39			9.0	-12.5		8.0		SP-150		
5		2640			90 06 20			9.0	-13.7		7.6		SP-151		
6		1760			90 12 05			9.0	-15.1		6.2		SP-152		
7		880			90 21 15			9.0	-14.4		6.9		SP-153		
8		0	v		90 00 00			5.0	-5.0		16.3	κ	SP-154		
9		880			89 49 20			9.0	-6.3		15.0		SP-155		
10		1760			89 59 50			9.0	-8.9		12.4		SP-156		
11		2640			90 00 06			9.0	-8.9		12.4		SP-157		
12		3520			90 03 58			9.0	-12.8		8.5		SP-158		
13		4400			90 04 12			9.0	-13.8		7.5	0	SP-159		
14		v			269 56 06			9.0	v			0	v		
15															
16		<del>2720</del>			89 57 48			9.0	+7.0	15.4		Δ	SP-159		
17		1760			210 02 25			9.0	v			Δ			
18		880			89 56 03			9.0	-8.0		7.4		SP-160		
19		0			90 00 00			5.0	-5.0		10.4	κ	SP-161		
20		880			90 00 50			9.0	-9.2		6.2		SP-162		

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**STADIA SURVEY NOTES**

AREA TESHUKPUK STATE or PROVINCE ALASKA PAGE No. 395  
 LINE No.(s) 620 PARTY No. 1182 DATE 24 Day 3 Mo. 79 Yr. BOOK No. 2  
 SURVEYOR STONE RODMAN \_\_\_\_\_ WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.		
1											15.4			
2		1760			90 02 00			9.0	-9.9		5.5	○	SP-163	
3		✓			269 58 13			9.0	✓			○		
4														
5		3000	✓		90 00 00			10.3	+10.1	15.6		▲	SP-163	
6		✓			270 00 00			10.3	✓			▲		
7														
8		0	✓		90 00 00			5.0	-5.0		10.6	○	ELL 10.6	BARR-79059
9					270 00 00			5.0	✓		9.1	○	ELL 9.1	79059-1182
10													VER. TIE = -1.5	
11		0	✓		90 00 00			5.0	+5.0	15.6		▲		
12					270 00 00			5.0				▲		
13														
14		3000			90 00 00			10.3	-10.1		5.5	○	SP-163	
15		✓			270 00 00			10.3				○		
16														
17														
18														
19														
20														

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### STADIA SURVEY NOTES

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AREA TESHORUK STATE or PROVINCE ALASKA PAGE No. 396  
 LINE No.(s) 628 PARTY No. 1182 DATE 29 Day 3 Mo. 79 Yr. BOOK No. 2  
 SURVEYOR STONE RODMAN WEATHER: P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲ B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2	✓				89 53 04				9.0		+5.3	10.8		Δ	SP-163	
3		1760			(270 03 21)				9.0		✓			Δ		
4		880			89 45 15				9.0		-5.2	5.6			SP-164	
5		0			90 00 00				5.0		-5.0	5.8		π	SP-165	
6		788			(89 45 33)				9.0		-5.6	5.2		○	SP-165	SP-165 + 788 = SP-3 L-628 N
7	✓				(270 14 49)				9.0		✓	✓		○		LINE INTERSECTION
8																
9	✓				(89 56 56)				9.0		+6.3	11.5		Δ	SP-165	
10		2732			(270 03 20)				9.0		✓	✓		Δ	+788	
11		3520			89 57 11				9.0		-5.8	5.7			SP-166	
12		2640			89 55 43				9.0		-5.6	5.9			SP-167	
13		1760			89 51 06				9.0		-4.4	7.1			SP-168	
14		880			89 41 53				9.0		-4.4	7.1			T3-1	
15		0	✓		90 00 00				5.0		-5.0	6.5		π	T3-2	
16		880			89 37 43				9.0		-3.3	8.2			T3-3	
17		1760			(89 23 00)				15.0		+4.0	15.5		○	T3-4	
18	✓				(270 36 60)						✓			○		
19																
20																

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2nd \_\_\_\_\_

STADIA SURVEY NOTES

AREA TESHUKPUK STATE or PROVINCE ALASKA PAGE No. 397  
 LINE No.(s) 62B PARTY No. 1102 DATE 24 Day 3 Mo. 79 Yr. BOOK No. 2  
 SURVEYOR STONE RODMAN \_\_\_\_\_ WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. ○F.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion				INST.	ROD			
1																
2								9.0		+3.5	19.0		Δ	T5-A		
3		1760						9.0		✓			Δ			
4		880						9.0		-2.8	16.2			T5-5		
5		0						5.0		-5.0	14.0		⊙	T5-6	NE. EOL-62B	
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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