

### VERTICAL AND HORIZONTAL SURVEY NOTES

GSI AREA Wainwright STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 95 OF \_\_\_\_\_  
 LINE/LOOP NO. 708 TYPE SURVEY \_\_\_\_\_ CLIENT Husky DATE 28 DY 1 MO 80 YR  
 SURVEYOR Powellton INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1282

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	LINE
				▲ SLOPE	▲ HORIZ					INST	ROD				
1															
2	△	80354	4785		90 30 30	11.4									SP 1
3	△				269 29 28	11.4	+53.7		70.4						T.S. 1 - T.S. 6 =
4	⊎	4 + 825				55									Scale level
5		2	3965		90 34 05	13.0									
6		3	2195		90 31 00	11.4									
7		4	825		89 57 40	11.4									
8		5	495		89 55 20	11.4									
9		6	1815		90 56 40	22.0									
10		7	3135		90 45 40	11.4									
11		8	4455		90 32 10	11.4									
12	⊙	9	5775		90 25 06	11.4									
13	⊙				269 34 50	11.4	-52.4								
14															
15	△	9	6600		90 27 27	11.4			81.1						
16	△	9			269 32 06	11.4	+63.6								
17	⊎	14				55									

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 SYMBOLS    △ = BACKSIGHT    ⊎ = INSTRUMENT SET-UP    SS = SIDESHOT    ⊙ = FORESIGHT

### HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA Wainwright STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 96 OF \_\_\_\_\_  
 LINE/LOOP NO. 708 TYPE SURVEY \_\_\_\_\_ CLIENT Husky DATE 28 BY 1 MO 80 YR  
 SURVEYOR Pendleton 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	FINAL ELEVATION DIFF	ELEVATION		LR OR DI		RIGHT TURNED HORIZONTAL ANGLE	LINE
			SLOPE	HORIZ					INST	ROD				
1												1		
2		10	5280		90 34 15	11.4						2		
3		11	3960		90 45 50	11.4						3		
4		12	2640		91 07 00	11.4						4		
5		13	1320		91 40 10	<del>11.4</del>	H.R.	-60.4		90.7		5		
6		14	1320		89 22 00	11.4						6		
7		16	2640		89 35 10	11.4						7		
8	⊙	17	2960		89 42 12	11.4						8		
9	⊙				270 17 26	11.4		9.2		90.3		9		
10												10		
11	Δ	17	3960		99 51 42	11.4			92.1			11		
12	Δ				270 07 45	11.4		+1.3				12		
13	⊖	20				5.5						13		
14		18	2640		89 44 30	11.4						14		
15		19	1320		89 29 50	11.4						15		
16		21	1320		90 33 50	11.4				67.9		16		
17		22	2640		90 42 40	22.0	H.R.	-57.6		37.5		17		

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA Wainwright STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 97 OF \_\_\_\_\_  
 LINE/LOOP NO. 708 TYPE SURVEY \_\_\_\_\_ CLIENT Husky DATE 28 DY 1 MO 80 YR  
 SURVEYOR Pouelleton INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1182

LINE	△ ↑ SS ⊙	STATION	VERTICAL						HORIZONTAL			REMARKS		
			DISTANCE		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												1		
2		23	3960		90 14 50	11.4						2		
3		24	5280		89 57 25	11.4						3		
4	⊙	25	6600		89 58 15	11.4						4		
5	⊙				270 01 31	11.4						5		
6												6		
7	Δ	<del>23</del> 25	1100		89 02 24	11.4						7		
8	Δ				270 <sup>37</sup> 07 08	11.4						8		
9	↑	80340				5.5						9		
10	⊙	80340	0		90 —	5.5			72.3			10		
11	⊙				270 —				71.5	=	80340	11		
12									= 0.8	=	Mistie	12		
13												13		
14												14		
15												15		
16												16		
17												17		

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### HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA Wainwright STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 98 OF \_\_\_\_\_  
 LINE/LOOP NO. 708 TYPE SURVEY \_\_\_\_\_ CLIENT Haley DATE 28 DY 1 MO 80 YR  
 SURVEYOR Pendleton 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											84.0		25A	1	
2	Δ	25 A	4985			90 02 50	11.4							2	
3	Δ					269 56 46	11.4							3	
4	π	28 + 1025				✓	65							4	
5		26	3665			90 09 25	11.4							5	
6		27	2345			90 33 40	11.4							6	
7		28	1025			90 57 30	11.4							7	
8		<del>29 29</del> 29	295			88 48 50	11.4							8	
9		30	1615			90 02 50	11.4							9	
10		31	2935			90 22 50	11.4							10	
11		32	4255			90 20 20	11.4							11	
12	⊙	33	5575			90 14 43	11.4							12	
13	⊙	34	6895			<del>90 02 50</del> 278 02 50	11.4							13	
14	⊙					269 58 50	11.4							14	
15														15	
16	Δ	34	5280			90 17 47	11.4							16	
17	Δ					269 41 52	11.4							17	

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### VERTICAL AND HORIZONTAL SURVEY NOTES

5

GSI AREA Wainwright STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 99 OF \_\_\_\_\_  
 LINE/LOOP NO. 708 TYPE SURVEY \_\_\_\_\_ CLIENT Husky DATE 28 DY 1 MO 80 YR  
 SURVEYOR Pond/etw INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1182

LINE	△ ↗ SS ⊙	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	↗	38				55							2		
3		35	3960		90	1120	11.4						3		
4		26	2640		90	1020	11.4						4		
5		37	1320		90	0000	11.4						5		
6		39	1320		89	4623	11.4						6		
7		40	2640		90	0005	11.4						7		
8	⊙	41	3960		89	5720	11.4						8		
9	⊙				270	0834	11.4						9		
10													10		
11	↖	41	4785		90	1414							11		
12					269	4510	11.4						12		
13	↗	44 + 825			90	1445							13		
14		42	3465		90	1445	11.4						14		
15		43	2145		90	3300	4.0						15		
16		44	825		90	1410	11.4						16		
17		45	495		89	3425	11.4						17		

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### HORIZONTAL AND VERTICAL SURVEY NOTES

6

GSI AREA Wainwright STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 100 OF \_\_\_\_\_  
 LINE/LOOP NO. 708 TYPE SURVEY \_\_\_\_\_ CLIENT Husky DATE 29 DY 1 MO 80 YR  
 SURVEYOR Pendleton 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	FINAL ELEVATION DIFF	ELEVATION		LR OR DI		RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE					HORIZ	INST				
1												1		
2	⊙	46	1815		90 08 38	11.4						2		
3	⊙	47			269 51 20	11.4						3		
4	⊙											4		
5	Δ	46	2745		90 21 23	11.4						5		
6	Δ				269 38 20	11.4						6		
7	⊗	47 + 825	2145		<del>89 48 5</del>	5.5						7		
8		<del>48</del> 47	825		89 48 52	11.4						8		
9		48	495		89 49 10	11.4						9		
10		49	1815		90 36 30	11.4 22.6						10		
11	⊙	50	3135		90 14 00	11.4						11		
12	⊙				269 46 00	11.4						12		
13												13		
14	Δ	50	1815		90 12 04	11.4						14		
15	Δ	495			269 47 36	11.4						15		
16	⊗	51 + 825				5.5						16		
17		51	495		89 48 20	11.4						17		

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# HORIZONTAL AND VERTICAL SURVEY NOTES

7

GSI AREA Wainwright STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 101 OF \_\_\_\_\_  
 LINE/LOOP NO. 708 TYPE SURVEY \_\_\_\_\_ CLIENT Husky DATE 29 DY 1 MO 80 YR  
 SURVEYOR Pendleton INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. \_\_\_\_\_

LINE	△ ↕ SS ⊙	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			825									1			
2		52	<del>1815</del> 2145		90 34 30	11.4						2			
3		53	<del>3135</del> 3465		90 12 00	11.4						3			
4		54	<del>4455</del> 4785		90 02 05	11.4						4			
5		55	<del>5775</del> 6105		89 57 50	11.4						5			
6	⊙	55 + 495	6270	5280	89 53 13	11.4						6			
7	⊙				270 06 38	11.4						7			
8												8			
9	△	55 + 495	6105		89 59 25	11.4						9			
10	△				270 00 16	11.4						10			
11	↕	60				5.5						11			
12		56	5280		90 05 10	11.4						12			
13		57	3960		90 06 30	11.4						13			
14		58	2640		90 05 35	11.4						14			
15		59	1320		89 59 20	11.4						15			
16		61	1320		89 49 20	11.4						16			
17		62	2640		89 46 40	11.4						17			

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA Wainwright STATE/COUNTY A.K. BOOK NO. \_\_\_\_\_ PAGE 102 OF \_\_\_\_\_  
 LINE/LOOP NO. 708 TYPE SURVEY \_\_\_\_\_ CLIENT Husky DATE 29 DY 1 MO 80 YR  
 SURVEYOR Pendleton 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	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		63	3960			89 28 05	11.4					2			
3	⊙	63 + 495	4455			89 29 48	11.4					3			
4	⊙					270 29 58	11.4					4			
5												5			
6	Δ	63 + 495	750			89 30 12	11.4					6			
7	Δ					270 29 28	11.4					7			
8	⊗	80356										8			
9	⊙	80356	0			90 —	5.5			1945		9			
10	Δ		0			270 —	5.5			1922 =	80356	10			
11										± 1.7 =	Mistie	11			
12												12			
13												13			
14												14			
15												15			
16												16			
17												17			

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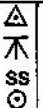







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# VERTICAL AND HORIZONTAL SURVEY NOTES

9

GSI AREA Wainwright STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 103 OF \_\_\_\_\_  
 LINE/LOOP NO. 708 TYPE SURVEY \_\_\_\_\_ CLIENT Husky DATE 29 DY 1 MO 80 YR  
 SURVEYOR Pendleton 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															
2		63+495A	6105		89 37 17	11.4									
3					270 22 28	11.4									
4		68				5.5									
5		64	5280		89 34 10	11.4									
6		65	3960		89 32 40	11.4									
7		66	2640		90 05 15	11.4									
8		67	1320		91 09 40	11.4									
9		69	1320		89 35 26	11.4									
10		69+512	1837		89 32 10	11.4									
11		84 L-705	1862		89 29 33	11.4									
12		70	2640		89 43 04	11.4									
13					270 16 47	11.4									
14															
15															
16															
17															

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA Wainwright STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 104 OF \_\_\_\_\_  
 LINE/LOOP NO. 708 TYPE SURVEY \_\_\_\_\_ CLIENT Husky DATE 29 DY 1 MO 80 YR  
 SURVEYOR Pendleton INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1182

LINE	  	STATION	VERTICAL						ELEVATION		LR OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD				
			SLOPE	HORIZ										
1														
2		70	<del>1678</del> 835	89 45 35	11.4									
3			<del>7674</del> 835	270 14 16	11.4									
4		80301			5.5									
5		80301	0	90 —	5.5				168.0					
6			0	270 —	5.5				<del>167.7</del> =	80301				
7									± .3 =	Mistie				
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														

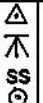


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**VERTICAL AND HORIZONTAL SURVEY NOTES**

GSI AREA Wainwright STATE/COUNTY A.K. BOOK NO. \_\_\_\_\_ PAGE 105 OF \_\_\_\_\_  
 LINE/LOOP NO. 708 TYPE SURVEY \_\_\_\_\_ CLIENT Husky DATE 29 DY 1 MO 80 YR  
 SURVEYOR Pendleton INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1182

LINE	 △ SS ⊙	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															
2	△	70A	3960			89 57 06	11.4					165.6	"	70A	1
3	⊙					270 02 30	11.4			173.6					2
4	⊗	73					8.5								3
5		71	2140			90 00 10	11.4								4
6		72	1320			89 55 58	11.4								5
7		73.1	<del>2140</del> 1320			89 32 00	11.4					173.0			6
8		2	<del>3960</del> 2640			89 41 10	11.4					170.8			7
9		3	<del>5280</del> 3960			89 36 10	11.4					196.9			8
10		4	<del>6600</del> 5280			89 52 00	11.4					175.0			9
11		5	<del>7920</del> 6600			89 52 10	11.4					178.1			10
12		6	7920			89 57 05	11.4					170.2			11
13															12
14															13
15															14
16															15
17															16

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