

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA Wainwright STATE/COUNTY AK. BOOK NO. _____ PAGE 106 OF _____
 LINE/LOOP NO. 13410 TYPE SURVEY _____ CLIENT Husky DATE 30 DY 1 MO 90 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 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	Δ	80360	340		90 —	4.75			165.6	160.9	=	80360	2	
3	Δ				270 —	4.75							3	
4	⊕	6				5.5				160.9			4	
5		5	1320		89 39 00	11.4				162.3			5	
6		4	2640		90 04 40	11.4				150.8			6	
7		3	3960		90 01 20	16.0				148.4			7	
8		2	5280		90 01 40	11.4				152.3			8	
9		1	6600		89 54 38	11.4				165.4			9	
10	⊙	8-360	340		90 —	4.75				160.9			10	
11	⊙	8-360			270 —	4.75				160.9	=	80360	11	
12										2.0	=	Mistie	12	
13													13	
14													14	
15													15	
16													16	
17													17	








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

VERTICAL AND HORIZONTAL SURVEY NOTES

GSI AREA Wainwright STATE/COUNTY A.K. BOOK NO. _____ PAGE _____
 LINE/LOOP NO. 134XW TYPE SURVEY _____ CLIENT Husky DATE 30 DY _____
 SURVEYOR Pendleton INSTRUMENT DESC/SERIAL NO. _____ CREW NO. _____

LINE		STATION	VERTICAL						ELEVATION		L/R OR DI	HORIZON RIGHT TURN HORIZON ANGLE
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD		
			SLOPE 	<input type="checkbox"/> FEET <input type="checkbox"/> METERS HORIZ 								
1		SPIA -1	0		90	5.5						
2		F.S. 1 -1			270	5.5						
3		SPIA -1	0			5.5						
4		T.S. 1*	1320		90 13 50	11.9						
5		T.S. 2	2640		89 55 20	11.9						
6		T.S. 3	3960		89 58 30	11.4						
7		T.S. 4	5280		90 00 50	11.4						
8		T.S. 5	6600		90 02 10	11.9						
9		T.S. 6	7920		90 01 15	11.9						
10												
11												
12												
13												
14												
15												
16												
17												

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HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA Waiconwright STATE/COUNTY AK BOOK NO. _____ PAGE 108 OF _____
 LINE/LOOP NO. 134XL TYPE SURVEY _____ CLIENT Husky DATE 30 BY 1 MO 80 YR
 SURVEYOR Pendleton INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1182

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LINE	△ ↕ SS ⊙	STATION	VERTICAL						HORIZONTAL			REMARKS		
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		LUR OR DI		RIGHT TURNED HORIZONTAL ANGLE	LINE
			SLOPE	HORIZ					INST	ROD				
1														
2	△	803600	390		90 —	4.75	+4.8				160.9	=	80360	2
3	△				270 —	4.75								3
4	⊕	6				5.5								4
5		7	1320		90 27 26	11.9								5
6		8	2640		90 40 50	11.4								6
7		9	3960		90 44 30	11.4								7
8		10	5280		90 34 60	11.4								8
9		10 + 369	5648		90 27 00	11.4						160.9 = 163 + 200	L-706	9
10		43 L-706	5652		90 25 00	11.4								10
11	⊙	11	6600		90 20 25	11.4	-4.6							11
12	⊙				269 39 42	11.4								12
13														13
14	△	11	5280		89 48 51	11.4	-6.3							14
15	△				270 11 12	11.4								15
16	⊕	15				5.5								16
17		12	3960		89 53 20	11.4								17

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HORIZONTAL AND VERTICAL SURVEY NOTES

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GSI AREA Wainwright STATE/COUNTY AK BOOK NO. _____ PAGE 109 OF _____
 LINE/LOOP NO. 134XW TYPE SURVEY _____ CLIENT Husky DATE 30 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	<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	LINE
				SLOPE	HORIZ					INST	ROD				
1													1		
2		13	2640			90 16 30	11.4							2	
3		14	1320			90 05 30	11.4							3	
4		16	1320			89 23 00	11.4							4	
5		17	2640			89 28 50	11.4							5	
6	⊙	17+495	3135			89 33 08	11.4	+13.3						6	
7	⊙					270 26 57	11.4							7	
8														8	
9	Δ	17+495	6105			89 57 02	11.4	+5.4						9	
10	Δ					270 02 59	11.4							10	
11	⊕	22				89 59 30	5.5							11	
12		18	5280			89 59 30	11.4							12	
13		19	3960			89 57 16	11.4							13	
14		20	2640			89 55 20	11.4							14	
15		21	1320			89 47 30	11.4							15	
16		23	1320			89 47 55	11.4							16	
17		24	2640			89 59 00	11.4							17	

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HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA Wainwright STATE/COUNTY Alk. BOOK NO. _____ PAGE 10 OF _____
 LINE/LOOP NO. 1342W TYPE SURVEY _____ CLIENT Husky DATE 30 BY 1 MO 80 YR _____
 SURVEYOR Perdleton 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 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		25	3960		89 53 40	11.4								2	
3	⊙	26	5280		89 47 08	11.4	+9.0							3	
4	⊙				270 12 57	11.4								4	
5														5	
6	Δ	26	3465		89 48 55	11.4	+0.0							6	
7	Δ				270 11 00	11.4								7	
8	⊗	28 + 825				5.5								8	
9		27	2145		89 56 50	11.4								9	
10		28	825		90 31 30	11.4								10	
11		29	495		89 48 50	11.4								11	
12		30	1815		90 23 00	11.4								12	
13		31	3135		90 35 50	22.0								13	
14		32	4455		30 39 10	11.4								14	
15	⊙	33	5775		90 26 48	11.4	-55.7							15	
16	⊙				269 33 09	11.4								16	
17														17	

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HORIZONTAL AND VERTICAL SURVEY NOTES

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GSI AREA Wain STATE/COUNTY A-K BOOK NO. _____ PAGE 111 OF _____
 LINE/LOOP NO. 134XW TYPE SURVEY _____ CLIENT Husky DATE 30 DY 1 MO 80 YR
 SURVEYOR Pendleton INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1182

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> T <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 DR		RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE					HORIZ	INST				
1												1		
2	Δ	33	3135		90 30 16	11.4		+38.8					2	
3	Δ				769 29 40	11.4							3	
4	T	35+995				5.5							4	
5		34	1815		90 18 20	22.0							5	
6		35	495		89 37 00	11.4							6	
7		36	825		89 24 50	11.4							7	
8	⊙	37	2145		89 40 07	11.4		+1.2					8	
9	⊙				270 20 09	11.4							9	
10													10	
11													11	
12													12	
13													13	
14													14	
15													15	
16													16	
17													17	

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

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA Wainwright STATE/COUNTY AK BOOK NO. _____ PAGE 112 OF _____
 LINE/LOOP NO. 134XW TYPE SURVEY _____ CLIENT Husky DATE 30 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
				/ \					/ \	/ \				
1												1		
2	△	37	1320		89 12 48	11.4							2	
3	△				270 47 00	11.4							3	
4	↗	38				5.5							4	
5		39	1320		90 40 10	11.4							5	
6		40	2640		90 17 00	11.4							6	
7		41	3960		90 07 20	11.4							7	
8	⊙	41 + 825	4785		89 40 57	11.4							8	
9	⊙				270 19 04	11.4							9	
10													10	
11	△	41 + 825	5775		89 33 55	11.4							11	
12	△				270 26 03	11.4							12	
13	↗	46				5.5							13	
14		42	5280		89 36 10	11.4							14	
15		43	3960		89 50 20	11.4							15	
16		44	2640		89 42 00	11.4							16	
17		45	1320		89 28 40	11.4							17	

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VERTICAL AND HORIZONTAL SURVEY NOTES

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GSI AREA Wainwright STATE/COUNTY AK BOOK NO. _____ PAGE 113 OF _____
 LINE/LOOP NO. _____ TYPE SURVEY _____ CLIENT Husky DATE 30 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 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															
2		47	1320			89 45 30	11.4							2	
3		48	2640			89 49 30	11.4							3	
4	⊙	49	3960			89 27 18	11.4							4	
5	⊙					290 32 52	11.4							5	
6														6	
7	Δ	49	5280			96 06 16	11.4			-127.6				7	
8	Δ					769 53 41	11.4							8	
9	⊙	53					5.5							9	
10		56	3960			90 12 50	11.4							10	
11		51	2640			91 18 30	11.4							11	
12		52	1320			89 54 40	11.4							12	
13		54	1320			90 39 20	11.4							13	
14		55	2640			90 01 30	11.4							14	
15		56	3960			90 07 40	11.4							15	
16		57	5280			90 08 00	11.4							16	
17														17	

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

HORIZONTAL AND VERTICAL SURVEY NOTES

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GSI AREA Weinwright STATE/COUNTY A.K. BOOK NO. _____ PAGE 114 OF _____
 LINE/LOOP NO. 1342W TYPE SURVEY _____ CLIENT Husky DATE 31 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			RIGHT TURNED HORIZONTAL ANGLE	
				SLOPE					HORIZ	INST			ROD
1													
2	<input checked="" type="checkbox"/>	58	6400			90 09 09	11.4						
3	<input checked="" type="checkbox"/>	58+ 495	7095			90 00 03	11.4						
4	<input checked="" type="checkbox"/>					269 59 44	11.4						
5													
6	<input checked="" type="checkbox"/>	58+ 495	4785			89 52 24	11.4						
7	<input checked="" type="checkbox"/>					270 07 26	11.4						
8	<input checked="" type="checkbox"/>	62					5.5						
9		59	3960			89 50 10	11.4						
10		60	2640			89 58 00	11.4						
11		61	1320			89 57 20	11.4						
12		63	1320			89 36 40	11.4						
13		64	2640			89 45 50	11.4						
14		65	3960			89 49 10	11.4						
15	<input checked="" type="checkbox"/>	66	5280			89 51 36	11.4						
16	<input checked="" type="checkbox"/>					270 08 36	11.4						
17													

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

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA Wainwright STATE/COUNTY AK BOOK NO. _____ PAGE 115 OF _____
 LINE/LOOP NO. 134XW TYPE SURVEY _____ CLIENT Husky DATE 31 DY 1 MO 80 YR
 SURVEYOR Pendleton INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1182

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> π <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	Δ	66	1225			89 32 58	11.4						2	
3	Δ					270 20 46	11.4						3	
4	π	80362					5.4						4	
5	⊙	80362	0			90 —	5.4					= 80362	5	
6	⊙		0			270 —	5.4			135.8		= 80362	6	
7													7	
8													8	
9	Δ	66A	6600			89 35 18	11.4						9	
10	Δ					270 04 15	11.4			118.5			10	
11	π	71					5.4						11	
12		67	5280			89 57 40	11.4						12	
13		68	3960			89 59 00	11.4						13	
14		69	2640			89 48 20	11.4						14	
15		70	1320			89 46 20	11.4						15	
16		72	1320			89 46 40	11.4						16	
17		73	2640			89 56 00	11.4						17	

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

HORIZONTAL AND VERTICAL SURVEY NOTES

11

GSI AREA Wainwright STATE/COUNTY A.K. BOOK NO. _____ PAGE 116 OF _____
 LINE/LOOP NO. 134xw TYPE SURVEY _____ CLIENT Husky DATE 31 DY 1 MO 80 YR
 SURVEYOR Perez Pendleton 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			L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE 	HORIZ 					INST	ROD				
1													1		
2		74	3960			89° 57' 16"	11.4						2		
3		75	5280			89° 57' 36"	11.4						3		
4	⊙	76	6600			89° 59' 32"	11.4			1087			4		
5	⊙					270° 00' 18"	11.4						5		
6													6		
7	△	76	4125 4125			90° 07' 12"	11.4						7		
8	△					269° 52' 28"	11.4		1286				8		
9	⊥	19+165					5.5						9		
10		77	2805			90° 17' 30"	11.4						10		
11		78	1485			90° 30' 30"	11.4						11		
12		79	165			90° 45' 10"	11.4						12		
13	⊙	80369 80	1155			91° 45' 10"	11.4						13		
14	⊙	81	2475			90° 24' 10"	11.4						14		
15		82	3795			90° 11' 40" 90° 11' 40"	11.4						15		
16		83	5115			90° 07' 20"	11.4						16		
17		75-1	6435			90° 01' 30"	11.4			715.3			17		

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HORIZONTAL AND VERTICAL SURVEY NOTES

12

GSI AREA Wainwright STATE/COUNTY AK. BOOK NO. _____ PAGE 117 OF _____
 LINE/LOOP NO. 134 X W TYPE SURVEY _____ CLIENT Husky DATE 31 DY 1 MO 80 YR
 SURVEYOR Perce & Pennington 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	HORIZ					INST	ROD				
1												1		
2		<u>T3-2</u>	<u>7755</u>		<u>89°55'30"</u>	<u>11.4</u>				<u>128.6</u>			2	
3		<u>T3-3</u>	<u>9075</u>		<u>90 01 30</u>	<u>22.0</u>				<u>109.4</u>			3	
4		<u>T3-4</u>	<u>10395</u>		<u>90 01 20</u>	<u>22.0</u>				<u>104.8</u>			4	
5		<u>T3-5</u>	<u>11715</u>		<u>90 00 45</u>	<u>11.4</u>				<u>117.5</u>			5	
6		<u>T3-6</u>	<u>13035</u>		<u>90 00 40</u>	<u>11.4</u>				<u>118.2</u>			6	
7		<u>80369</u>	<u>270</u>		<u>90°00'00"</u>	<u>9.2</u>				<u>119.4</u>			7	
8					<u>270°00'00"</u>	<u>9.2</u>				<u>139.9</u>	=	<u>80369</u>	8	
9													9	
10													10	
11													11	
12													12	
13													13	
14													14	
15													15	
16													16	
17													17	

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