

STADIA SURVEY NOTES

AREA IKPIKPUK - Key Creek STATE or PROVINCE North Slope PAGE No. 1
 LINE No.(s) KD-100 PARTY No. _____ DATE 21 Day MAR Mo. 77 Yr. BOOK No. _____
 SURVEYOR JOEL SWANSON RODMANTIM VAN ALBEN 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																58.0			
2																LINE - INT = SP-2100			
3												60.3				LINE - 99 AND SP-4T			
4																660-100 = PIPE MARKER			
5		0		90								65.3		Δ		SP4 + 660 = SP21 - LINE			
6																99			
7		660		90	22	31						-10.0	74.8	-14.8		-51.0	SP 4		
8																			
9		1980		90	42	45						-15.0	24.6	-39.2		25.8	3		
10																			
11		3300		89	58	01						-15.0	7.9	-12.9		52.4	2		
12																			
13		4620		89	46	05						-15.0	74.2	74.2		69.1	0	1 PIPE MARKER	
14					270	13	26					-15.0	73.5	73.5			0	64.2	
15					270	06	20					-5.0					0		
16																			
17		1160		89	25	50						+5.0	-6.6	-6.6		62.8	57.3	Δ	TAIL
18					270	32	59					+5.0	-6.2					Δ	
19																			
20																			

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STADIA SURVEY NOTES

AREA IKPIKPUK - Key Creek STATE or PROVINCE North Slope PAGE No. 2
 LINE No.(s) HD-100 PARTY No. 1182 DATE 21 Day MAR Mo. 77 Yr. BOOK No. _____
 SURVEYOR J.S. RODMAN T.V. 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		<u>15/10</u>		<u>90</u>	<u>26</u>	<u>41</u>			<u>-15.0</u>	<u>-26.7</u>	<u>-26.7</u>		<u>36.1</u>			<u>TAIL</u>
2		<u>15/10</u>														<u>PIN FLAGS</u>
3																<u>PULLED</u>
4																
5																
6																
7																
8		<u>4620</u>		<u>89</u>	<u>46</u>	<u>05</u>			<u>15.0</u>	<u>-4.2</u>	<u>-4.2</u>		<u>65.3</u>			<u>Δ SP 4+660'</u>
9				<u>270</u>	<u>13</u>	<u>26</u>			<u>15.0</u>	<u>-3.5</u>	<u>-3.5</u>					<u>Δ</u>
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA IKPIK PUK - Key Creek STATE or PROVINCE North slope PAGE No. 3
 LINE No.(s) 100 PARTY No. 1182 DATE 21 Day MAR Mo. 77 Yr. BOOK No. _____
 SURVEYOR J.S. RODMAN T.V. WEATHER: _____ P.T.S. No. _____

1520
 3582
 100

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.	ROD			
1			TAKE OFF FROM PAGE #1				5P-21	OF	LINE 99			60.3				56.0
2		0							5 ²			65.3		Δ	5P4	+660
3																LINE INT = 5P-21+00
4		660		89	48	55			-10.0	+21	-7.9		57.4		5	2-99 = 5P-4+660
5																L-100 = PIPE MARK
6		1980		90	16	30			-15.0	-9.5	-24.4		40.9		6	
7																
8		3300		90	16	18			-15.0	-15.4	-30.4		34.9		7	
9																
10		4620		90	07	27			-15.0	-24.6	-24.6		41.0	0	8	
11				269	52	56			-15.0	-24.0	-24.2			0		35.6
12				269	48	50			-10.0					0		35.7
13																
14		2640		89	32	14			+15.0	-6.5	-6.5	34.5	29.1	Δ	10	
15				270	27	42			+15.0	-6.4	-6.4			Δ		
16				270	14	53			+5.0					Δ		
17																
18		1320		89	34	59			-15.0	+9.2	-5.4		29.3		9	
19																
20		1320		89	43	23			-15.0	+6.4	-8.6		26.0		11	

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STADIA SURVEY NOTES

AREA IMPIKPOK - HEY CREEK STATE or PROVINCE North 5/6 pr. ALASKA PAGE No. 4
 LINE No. (s) KD-100 PARTY No. 1182 DATE 21 Day MAR Mo. 77 Yr. BOOK No. _____
 SURVEYOR J.S. RODMAN T.V. 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		2640		89 35 44								0	12		
2				89 22 31				-15.0	+13.9		48.6	0		43.0	
3				270 37 41				-15.0	+14.1			0		43.1	
4				270 24 41				-5.0							
5															
6		4785		90 02 09				+15.0	+17.5		65.9	Δ	15	+825	
7				269 58 10				+15.0	+17.1			Δ			
8				269 51 12				+5.0				0			
9															
10		3465		90 07 03				-15.0	-7.1	-21.9	44.9		13		
11															
12		2145		90 44 11				-15.0	-27.6	-42.8	23.4		14		
13															
14		825		90 08 31				-10.0	-2.2	-12.2	53.2		15		
15															
16		495		89 57 43				-15.0	+0.3	-14.7	51.2		16		
17															
18		1815		90 20 14				-15.0	-10.7	-25.6	40.2		17		
19															
20															

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STADIA SURVEY NOTES

AREA IKPIKDUK - Key Creek STATE or PROVINCE North slope, ALASKA PAGE No. 5
 LINE No.(s) 40-100 PARTY No. 1182 DATE 21 Day Mar Mo. 77 Yr. BOOK No. _____
 SURVEYOR JOEL SWANSON RODMAN TIM VAN ALEN 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.			ROD
1		3135		90 26 16				-15.0	-38.7		27.1	0	18		
2				269 33 47				-15.0	38.7			0		22.0	
3				269 22 50				-5.0				0		22.2	
4															
5		2640		90 24 25				+15.0	+33.6		60.5	55.0	Δ	20	H.I.=5.5
6				269 36 08				+15.0	+33.2				Δ		
7				269 23 20				+5.0					Δ		
8															
9		1320		90 54 00				-15.0	-20.7	-35.3		24.8		19	
10															
11		1320		90 24 27				-15.0	-9.4	-24.4		36.1		21	
12															
13		2640		90 27 17				-15.0	21.8	-35.8		24.7		22	
14															
15		3960		90 19 10				-15.0	-22.1	-36.3		23.3		23	
16															
17		5280		90 01 18				-15.0	-16.4			44.5	0	24	38.4
18				269 59 10				-15.0	-15.7				0		38.7
19															
20															

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STADIA SURVEY NOTES

AREA IKRINKAIK - KEY CREEK STATE or PROVINCE North slope PAGE No. 6
 LINE No.(s) HD-100 PARTY No. 1182 DATE 21 Day MAR Mo. 77 Yr. BOOK No. _____
 SURVEYOR J.S. RODMAN T.V. 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		0		90					15.0			49.4	44.0	Δ	24	
2																
3		1320		90	36	34			-15.0	-14.0	-29.0		20.4		25	
4																
5		2640		90	10	51			-15.0	-8.3	-23.3		26.3		26	
6																
7		3960		90	13	42			-15.0	-30.5	-30.5		18.9	0	27	12.2
8					269	46	10		-15.0	-30.6	-30.6			0		12.6
9																
10		2883		90	00	57			115.0	115.6		34.5		Δ	29	+243
11					269	59	09		115.0	115.5				Δ		
12																
13		1563		90	03	20			-15.0	-1.5	-16.5		28.2		28	
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA IKPIKPIK - KEY CREEK STATE or PROVINCE North Slope PAGE No. 7
 LINE No.(s) 40-100 PARTY No. 1182 DATE 21 Day MAR Mo. 77 Yr. BOOK No. _____
 SURVEYOR J.S. RODMAN T.V. 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.	ROD		
1		243		90	06 25				-10.0	03	-10.5		24.0	29	
2														7	
3		1088		90	17 13				-10.0	-5.4	-15.4		19.2	30	
4															
5		2408		89	58 23				-15.0	+1.1	-13.2		20.7	31	
6															
7		3728		89	37 20				-15.0	+9.9			44.6	0 32	37.7
8				270	23 07				-15.0	+10.4				0	38.1
9															
10		0		90					+6.1				50.7	Δ 32	
11															
12															
13															
14		1320		90	33 09				-15.0	-12.2	-27.7		03.2	33	
15															
16		2640		90	13 20				-15.0	-10.2	-25.2		25.6	34	
17															
18				90	09 04				-15.0	-25.1			25.0	0 35	18.4
19		3960		269	51 22				-15.0	-24.6				0	18.9
20				269	42 57				-5.0					0	

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STADIA SURVEY NOTES

AREA IKPIKDUK - KEY CREEK STATE or PROVINCE NORTH slope, ALASKA PAGE No. 8
 LINE No.(s) 100 PARTY No. 1182 DATE 22 Day MAR Mo. 77 Yr. BOOK No. _____
 SURVEYOR JOEL SWANSON RODMAN TIM VAN ALLEN 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.	ROD		
1										BS.	35	36, 37	ALL		
2										WATER LEVEL			SAME ELEV.		
3													25.8	35	
4		836		89 52 45					+15.0	+13.2		39°		Δ	37 + 8.25'
5				270 07 10					+15.0	+13.2				Δ	
6				269 46 22					+10.0					Δ	
7															
8		495		90 13 55					-10.0	-2°	-12°		27'	38	
9															
10		1815		90 01 13					-15.0	-0.6	-15°		23.5	39	
11															
12		3135		89 54 26					-15.0	+5.1	-9°		29.5	40	
13															
14		4455		89 54 54					-15.0	-8.0			30.6	0	41 22.6
15				270 04 20					-15.0	-9.0				0	23.1
16				269 56 51					-5.0	-9.1				0	
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA IKPIKDUK - KEY CREEK STATE or PROVINCE North slope, ALASKA PAGE No. 9
 LINE No.(s) KD-100 PARTY No. 1182 DATE 22 Day MAR Mo. 77 Yr. BOOK No. _____
 SURVEYOR Joel SWANSON RODMAN TIM VAN ALLEN WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Incl. 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													30.6	0	41		
3																	
4		4785		90 00	27			415.0	+0.6	+15.1	45.5			Δ	44+	825	
5				269	59	53		415.0	+0.2	-14.7				Δ			
6																	
7		3465		90 02	31			415.0	-2.5	-17.3			28.2		42		
8																	
9																	
10																	
11		825		90 28	46			410.0	-0.9	-16.9			28.4		44		
12																	
13		2145		90 08	21			415.0	-5.8	-20.2			25.4		43		
14																	
15		495		90 15	04			415.0	-2.2	-7.2			38.3		45		
16																	
17		1815		89 57	58			415.0	+1.1	-73.9			31.7		46		
18																	
19		2970		89 56	26			415.0	+3.1	-11.7			33.2		4	TAIL	
20																	

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STADIA SURVEY NOTES

AREA IMPIKDUK - Key Creech STATE or PROVINCE North Slope ALASKA PAGE No. 11
 LINE No.(s) 100 PARTY No. 1182 DATE 22 Day MAR Mo. _____ Yr. BOOK No. _____
 SURVEYOR Joel Swanson RODMAN T.M. Lawless 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. I.P.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		<u>4185</u>		<u>90 00 34</u>					<u>-15.0</u>	<u>-0.8</u>	<u>-15.3</u>		<u>0</u>	<u>41</u>		
3				<u>269 59 47</u>					<u>-15.0</u>	<u>-0.3</u>	<u>-14.8</u>	<u>28.3</u>	<u>0</u>			
4												<u>30.6</u>				
5												<u>- 2.3</u>		<u>REF TO pg 9 line</u>		
6														<u>#1</u>		
7																
8																
9																
10																
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