

STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE Alaska PAGE No. 1
 LINE No.(s) 29 PARTY No. 182 DATE 7 Day 2 Mo. 1975 Yr. BOOK No. 1
 SURVEYOR A. Jensen RODMAN Bul Morahan WEATHER: cold-windy 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			▲B.S. OF.S. -S.S.
1	Survey started from N2-29 - Pipe set															
2	at intersection of Lines 29 & 30 by Party 184															
3	in March of 1974. Continue line 29 South.															
4																
5		TOP	of 3" Pipe -									132.9	○	N2-29		
6	N	660	90°43' 04"						+0.0	+8.3	141.2		△			
7		0	-						-4.7			136.5	○			
8	S	660	90 48 07						-4.0	-13.2		128.0	○	SP	136	
9	N	2380	88 15 50						+4.0	-68.1	599		△			
10	N	1060	✓				F		-2.0			57.9		SP	137	
11	S															
12	S	274	94°31'58"						-5.0	-26.6		33.3		SP	138	
13			SP-138 offset 330' South along line													
14	S	1590	90 20 23						-70.0	-19.4		40.5	○	SP	139	
15																
16	N	3325	91 06 08						+10.0	+73.9	114.4		△			
17	N	2020	91 31 27						70.0	-63.7		50.7		SP	140	
18	N	685	95 21 33						70.0	73.7		40.7		SP	142	
19																
20	S	630	✓						-4.7			109.7		SP	142	

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 3
 LINE No.(s) 29 PARTY No. 1182 DATE 7 Day 2 Mo. 1972 Yr. BOOK No. 1
 SURVEYOR A Jensen RODMAN Paul Monahan WEATHER: Cold-windy 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															
2	N	735		91 38	55				+5.0	+26.1	74.3	48.2	⊙	SP 49	
3	S	650		90 15	56				-5.0	-8.0		66.3	⊙	(SP-150 + 330')	
4			(short spread from S.P. 49 to SP 150)												
5	N	660		89 52	42				+6.0	+3.6	69.9		Δ		
6	N	990		89 53	30				-4.0	-2.1		67.8		SP 150	
7															
8	S	330		91 08	53				-4.0	-10.6		59.3		SP 151	
9															
10	S	1650		90 08	54				-4.0	-8.3		68.6	⊙	SP 152	
11			(SP-152 to S.P. 153 is a short spread)												
12	N	330		93 25	36				+4.0	+23.7	85.3		Δ		} 1 Group short
13		0							-5.2	-5.2				Gr. 1	
14	S	660		90 44	37				-4.0	-12.6		72.7	⊙	SP 153	
15	N	1980		90 18	25				+4.0	+14.6	87.3		Δ		
16	N	660		91 00	19				4.0	-15.6		71.7		SP 154	
17		0												Gr. 2	
18															
19	S	660		89 28	59				-4.0	+2.0		89.3	⊙	SP- 153	
20			Stopped Surveying for the day - Dark												

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 2
 LINE No.(s) 29 PARTY No. 1182 DATE 7 Day 2 Mo. 1975 Yr. BOOK No. 1
 SURVEYOR A. Jensen RODMAN Bert Monahan WEATHER: COLD - Windy 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												114.4			
2	S	1950		L					-8.3			106.1	SP	143	
3															
4	S	2280		L					-9.2			125.2	○	N4-4	
5															
6															
7	N	1980			98° 03' 46"				+4.4	+6.6	111.8		△		
8	N	1320			90 10 12				-4.0	-7.9		103.9	SP	144	
9		0			-				-5.2			106.6	SP	145	
10	S	330			90 09 33				-4.0	-4.9		106.9	SP	145A	
11															
12	S	1650			89 47 37				-4.0	+1.9		113.7	○	SP 146	
13	N	660			90 34 40				+4.0	+10.6	124.3		△		
14	S	660			90 22 12				-4.0	-8.3		116.0	SP	147	
15	S	1980			90 03 14				-2.7	-4.6		119.7	○	SP 148	
16														○	N4-5
17															
18															
19	N	112			-				+2.9	+2.9	122.6		△		
20	S	1165			93 25 10				-5.0	-74.4		48.2	○	SP 149	

TI-588B SP-149-20 - SP-150 = 990' - short by 330' (In old River channel)
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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 4
 LINE No.(s) 29 PARTY No. 1182 DATE 9th Day 2 Mo. 25 Yr. BOOK No. 1
 SURVEYOR A. Jensen RODMAN Mike WEATHER: Clear-still-very cold -25°F 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			Cont. of Elevation						Survey on line 29					
2														
3										89.3	⊙	SP	153	
4	N	1220		90 42 34				+4.0	use	+27.3	116.6	⊙	use	
5		1880		90 38 47				+5.0		+26.2	115.3	⊙	rod on top of snow	
6		3200												
7	N	1880		90 21 28				-15.0		-44.3		72.3	SP	154
8														
9	N	485		91 53 50				-4.0		-20.0		96.6	SP	156
10														
11	S	830		91 42 04				-5.0		-29.6		87.0	SP	157
12	S	2160		90 35 31				-5.0		-27.3		89.3	⊙	SP 158
13	N	1900		90 58 49				5.0		+37.5	126.8		⊙	
14	N	810		91 16 26				74.0		-33.0		94.8	SP	159
15	S	230		✓				75.1				121.7	⊙	SP 160
16														
17		0						+4.5			126.2		⊙	= SP-159+990'
18	S	330		91 52 40				-5.0		-15.1		111.1	SP	160
19	S	1640		90 55 29				-5.0		-31.5		94.7	⊙	SP 161
20	N	1390		90 39 26				+10.0		+25.9	120.6		⊙	

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 3
 LINE No.(s) 29 PARTY No. 1182 DATE 9 Day 2 Mo. 25 Yr. BOOK No. 1
 SURVEYOR Art Jansen RODMAN Mike WEATHER: Clear-Skull-Very Cold P.T.S. No. -25 and drapping feet

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												120.6			
2		0		✓											
3	S	1300		89 51 40							-5.2	115.4		SP	162
4	N	1600		✓							-5.0	-1.8	118.8	⊙	SP 163
5	N	330		91 05 00							+12.6		131.4	Δ	
6											-4.0				
7	S	985		✓											
8	N	1400		90 13 15											
9		0													
10	N	660		✓											
11															
12		0		✓											
13	S	1340		89 17 58											
14	N	1334		90 41 07											
15		0		✓											
16	S	1000		89 39 07											
17	N	1670		90 08 20											
18				✓											
19	N	1360		✓											
20	S	1340		89 44 15											
	N	20		✓											

6.5 x 2
8.0 x 2

7.0 x 2

+

6.7 x 2
6.67 x 2

8.35 x 2

6.8 x 2
6.7 x 2

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 6
 LINE No.(s) _____ PARTY No. 1182 DATE 9 Day 2 Mo. 25 Yr. BOOK No. 1
 SURVEYOR Art Jensen RODMAN Mike WEATHER: Cold - Breeze 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														
2	N	1770		90 25 54				+5.0	+18.3	195.9	177.5	⊙	3P 171	
3	N	421		91 34 56				-5.0	-16.6	179.2			5P 172	
4													5P 172	
5														
6	S	900		✓				-5.8		190.0			5P 173	
7														
8	S	980		✓				-3.2		192.6		⊙	N4-7	
9														= 5P 173 + 82.4 ft.
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														

8.85 x 2

See next page for tie

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 7
 LINE No.(s) 29 PARTY No. 1182 DATE 9 Day 2 Mo. 73 Yr. BOOK No. 1
 SURVEYOR A. Jensen RODMAN Mike WEATHER: clear, still - Dawn cold P.T.S. No. -35 F°

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																
2												218.0	○		Trig. Sta. INK	
3																
4	N	735		89° 29' 43"						+5.0	-1.5	216.5		△		
5																
6	S	1800		90 29 07						-7.5	-22.7	193.8	○		N4-7 c	
7				sighting center of flag												
8	S	1800		90 33 50						-5.0	-22.7	193.8	○		ck. shot	
9				sighting Rod on top of Re-Bar												
10				Re: Page 6 Line 8												
11												* 192.6			N4-7	
12																
13												Tie =			- 1.2	
14																
15				This elevation was run from Trig Sta. Bluff - 12.88 Miles												
16																
17				.5 $\sqrt{12.88} = 3.583 \times .5 = 1.79 =$ allowable mistie; therefore the												
18				1.2 ft. mistie above is well within limits.												
19				A. Jensen												
20																

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STADIA SURVEY NOTES

AREA NAVAL PETROLEUM RESERVE #4 STATE or PROVINCE NORTH SLOPE ALASKA PAGE No. 1
 LINE No.(s) 29 PARTY No. 182 DATE 7 Day 2 Mo. 25 Yr. BOOK No. 1
 SURVEYOR T FOX RODMAN P MONOCHROMWEATHER: CLEAR 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			PROFILE OF LINE 29, CARRY ELEVATION FROM INTERSECTION													
2			OF LINE 29-184-74 AND LINE 30-184-74													
3			ELEVATION OF PIPE													
4	NE	660		90°43'07"	1.25				70.0	+8.3	+8.3	141.2	132.9	Δ	SP 135A	X LINE 29 LINE 30
5		0							4.7	-4.7		136.5		-		NA-13 π
6	SW	660		90°48'07"	1.40				4.0	-9.3	-13.3	127.9		0	SP 136A	TOP OF FLAG
7	NE	2380		88°15'49"	3.03				4.0	-72.0	-68.0	59.9		Δ		
8	"	1060	-		0.00				2.0	0.00	-2.0	57.9		-	SP 137	π @ SP 137+1060
9	S	274		94°31'58"	7.88				5.0	-21.6	-26.6	33.3		-	SP 138	
10	"	1590		90°20'28"	0.59				70.0	-9.4	-19.4	40.5		0	SP 139	
11	N	3325		91°06'08"	1.92				+10.0	+63.8	+73.8	114.3		Δ		
12	"	2020		91°31'27"	2.66				-10.0	-53.8	-63.8	50.5		-	SP 140	
13	"	685		95°21'33"	9.30				-10.0	-63.7	-73.7	40.6		-	SP 141	
14		0														SP 141+685 π
15	S	630	-						-4.7	0.00	-4.7	109.6		-	SP 142	
16	"	1950	-						-8.3	0.00	-8.3	106.0		-	SP 143	
17	"	2280	-						-9.2	0.00	-9.2	105.1		0	NA-4	SP 143+330 TRIP
18		1980		90°03'46"	0.11				+4.4	+3.4	+6.6	111.7		Δ		
19		1320		90°10'12"	0.30				-4.0	-3.9	-7.9	103.8		-	SP-144	
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 2
 LINE No.(s) 29 PARTY No. 182 DATE 7 Day 2 Mo. 75 Yr. BOOK No. 1
 SURVEYOR _____ 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												111.7				HZ CARRIED FRD
3		0											106.5			SP 145 ↑
4		330		90°09'33"	0.28					-4.0	-0.9	-4.9	106.8	-		SP 145A
5		1650		89°47'37"	0.36					-4.0	+6.0	+2.0	113.7	0		SP 146
6		660		90°34'40"	1.01					+4.0	+6.7	+0.7	124.4	Δ		
7		0														
8		660		90°22'11"	0.65					-5.2		-5.2	119.2	-		SP 146+660
9		1980		90°03'14"	0.10					-4.0	-4.3	-8.3	116.1	-		SP 147
10		1120	-							-2.7	-1.9	-4.6	119.8	0		SP 148 = N4-5
11		1165		93°25'10"	5.96					+2.9	0.00	+2.9	122.7	Δ		
12		735		91°40'36"	2.93					-5.0	-6.4	-74.4	48.3	0		SP 149
13		650	-							+4.7	+21.5	+26.2	74.5	Δ		
14		660		89°52'42"	0.21					-7.2	0.00	-7.2	67.3	0		SP 150+330
15		990		89°53'36"						+5.0	-1.4	+3.6	70.9	Δ		SP 150+990
16		330		91°08'33"						-4.0		-2.1	68.8	-		SP 150
17		1650		90°08'51"	0.26					-4.0		-10.6	60.3	-		SP 151
18		330		93°25'53"	5.98					-4.0	-4.2	-8.2	62.7	0		SP 152
19		660		90°44'40"	1.30					+4.0	+19.7	+23.7	86.4	Δ		
20		1980		90°18'16"	0.53					-4.0	-8.6	-12.6	73.8	0		SP 153
										+4.0	+10.5	+14.5	88.3	Δ		

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 3
 LINE No.(s) 29 PARTY No. 182 DATE 7 Day 2 Mo. 25 Yr. BOOK No. 1
 SURVEYOR _____ 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. O.P.S. - S.S.	Station	REMARKS	
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD				
1												88.3				CARRIED FRD	
2		660		91°00'10"	1.75			-4.0	-13.7	-15.6		72.7	-	SP154			
3		660		89°28'59"	0.90			-4.0	+5.9	+1.9		90.2	•	SP155			
4																	
5				STOPPED FOR DAY - DARKNESS													
6																	
7				CONTINUED ON PAGE 7													
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	

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STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE ALASKA PAGE No. 4
 LINE No.(s) 29 PARTY No. 182 DATE 8 Day 2 Mo. 75 Yr. BOOK No. 1
 SURVEYOR _____ RODMAN _____ WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ΔB.S. OF.S. - S.S.	Station	REMARKS		
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD					
1																		
2			ELEVATIONS GOING NORTH FROM INTERSECTION OF															
3			LINES 29 & 58 ALONG LINE 29															
4																		
5																		
6																		
7		0																
8		0														FROM PAGE 11		
9	N	660														159.2	0	SP 185+660 N4-9
10	"	1980																Δ
11	S	1980																-
12	S	990																0
13	S	660																Δ
14		0																-
15	N	660																-
16	N	1980																0
17	S	1350																Δ
18	S	330																-
19		0																-
20	N	990																0

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 5
 LINE No.(s) _____ PARTY No. _____ DATE B Day 2 Mo. 75 Yr. BOOK No. 1
 SURVEYOR _____ 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																	FROM PAGE 4
2	S	1320		89°09'12"	1.48				+4.0		-15.5	117.1		Δ			
3		0							-5.9		-5.9	111.2		-			SP 178 K
4	N	1320		90°28'35"	0.83				-6.0		-17.0	100.1		⊙			SP 177
5																	
6								QUIT	FOR								DAY DARK CONT ON PAGE 6
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	

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STADIA SURVEY NOTES

AREA NAVAL PET 4 STATE or PROVINCE AK PAGE No. 6
 LINE No.(s) 29 PARTY No. 183 DATE 9 Day 2 Mo. 75 Yr. BOOK No. 1
 SURVEYOR JENSEN RODMAN MONOHON WEATHER: COLD CLEAR 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												FROM PAGE 65	100.1		SP 177	
2	S	660		91°11'0"					+6.0		+19.6	119.7		Δ		
3	N	660		90°03'08"					-4.0		-4.6		115.1	⊙	SP 176	
4	S	990		89°55'47"					+4.0		+2.8	117.9		Δ		
5		330		91°00'28"					+4.0		-9.8		108.1	-	SP 175	
6		1650		89°38'38"					-4.0		+6.3		124.2	⊙	SP 174	
7		850		94°01'55"					+4.0		+63.6	187.8		Δ		
8		382.5		89°05'38"					0.0		+6.0		193.8	⊙	SP 173+82.4=N4-7	
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

ELEVATION FOR N4-7
 TIED TO Δ INK ON PAGE 10

STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE ALASKA PAGE No. 7
 LINE No.(s) 29 PARTY No. 182 DATE 9 Day 2 Mo. 75 Yr. BOOK No. 1
 SURVEYOR _____ RODMAN _____ WEATHER: CLEAR COLD 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			CONT FRSM			PAGE			3						
2															
3		1880		90°38'47"				+5.0		+26.2			90.2	SA	SP 155
4		1'		90°42'34"				+4.0	BEST	+27.3	117.5			ACK	ON STADIA ROD
5		3200		90°31'28"				-15.0		-44.3			73.2	-	SP 154 CK LONG STADIA
6															
7		485		91°53'50"				-4.0		-20.0			97.5	-	SP 156
8		830		91°42'04"				-5.0		-29.6			87.9	-	SP 157
9		2200		90°35'31"				-5.0		-27.7			89.8	0	SP 158
10		1900		90°58'49"				+5.0		+37.5	127.3			Δ	
11		810		91°16'26"				-14.0		-32.0			95.3	-	SP 159
12		230	-					-5.1		-5.1			122.2	0	SP 159+1990=N4-6
13		0						+4.5		+4.5	126.7			Δ	
14		330		92°52'40"				-5.0		-21.5			105.2	-	SP 160
15		1640		90°55'29"				-5.0		-31.5			95.2	0	SP 161
16		1390		90°39'26"				+10.0		+25.9	121.1			Δ	
17		0						-5.0		-5.0			116.1	-	SP 162
18		1300		89°51'40"				-5.0		-1.8			119.3	0	SP 163
19															
20															

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 8
 LINE No.(s) 29 PARTY No. 182 DATE 9 Day 2 Mo. 75 Yr. BOOK No. 1
 SURVEYOR _____ RODMAN _____ WEATHER: CLEAR COLDER -30°F P.T.S. No. _____

W Z	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																	
2																	
3		1600	-										119.3				SP 163
4		330		91°05'00"													
5		985	-										121.7				SP 164
6		1400		90°13'15"													
7		660	-										119.0				SP 165
8		0															
9		1340		89°17'58"													
10		1340		98°41'07"													
11		0															
12		1000		89°39'07"													
13		1670		90°08'20"													
14																	
15		1360	-														
16		1340		89°44'15"													
17		0															
18																	
19																	
20																	

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STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE ALASKA PAGE No. 9
 LINE No.(s) 29 PARTY No. 102 DATE 9 Day 2 Mo. 75 Yr. BOOK No. 1
 SURVEYOR _____ RODMAN _____ WEATHER: -35°F P.T.S. No. _____

W Z 	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		B.S. O.F.S. - S.S.	Station	REMARKS	
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc- tion	Center Hair			INST.	ROD				
1																	
2													178.0		SP 171		
3		1770		90°25'54"					+5.0	+18.3	196.3			Δ			
4		421		91°34'56"					-5.0	-16.6			179.7	-	SP 172		
5		900	-						-5.8	-5.8			190.5	-	SP 173		
6		980	-						-3.2	-3.2			193.1	o	SP 173+82.4 = NA-7		
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	

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STADIA SURVEY NOTES

AREA NAVAL PET 4 STATE or PROVINCE ALASKA NORTH SLOPE PAGE No. 10
 LINE No.(s) 29 PARTY No. _____ DATE 9 Day 2 Mo. 75 Yr. BOOK No. 1
 SURVEYOR _____ 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																
3																
4												218.0	⊙			ANK TRI STATION
5		735		89°29'43"					+5.0		-1.5	216.5	Δ			
6		1800		90°33'50"					-5.0		-22.7	193.8	⊙			SP 173+824=N4-7
7																
8		RE PAGE 9, LINE 6										*193.1				N4-7
9																
10											TIE =	-0.7				
11																
12																THIS ELEVATION WAS RUN FROM TRI-STATION "BLUFF" = 12.88 MI.
13																
14																0.5√12.88 = 1.79 ALLOWABLE ERROR THEREFOR 1.2 IS WELL WITHIN LIMITS
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 11
 LINE No.(s) 29 PARTY No. 182 DATE 10 Day 2 Mo. 75 Yr. BOOK No. 1
 SURVEYOR T. FOX RODMAN P. MONOHON WEATHER: COLD -41° HAZY 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														
2									CONT ON P 12					
3											112.7		N4-11=SP 193	
4		660		92°52'53"	5.02			+3.4	+33.0	37.2 36.5	149.2	Δ		
5		330		90°37'00"	1.08			-5.0	-3.6	-8.6	140.6	○		
6		660		89°50'40"	0.27			+5.0	-1.8	+3.2	143.8	Δ		
7		330		94°30'09"	7.82			-4.0	-25.8	-29.8	114.0	-	SP 192	
8		660		89°28'58"	0.87 0.90			-5.0	+5.9	+0.9	144.7	○	SP 191+330	
9		2300		90°01'05"	0.03			+6.2	+0.7	+6.9	151.6	Δ		
10		2640		89°52'41"	0.21			-15.1	+5.2	-9.5	142.1	-	SP 191	
11		1320		90°04'26"	0.13			-20.5	-1.7	-22.2	129.4	-	SP 190	
12		0						-5.5		-5.5	146.1	-	SP 189=N4-10	
13		1320		90°32'01"	0.93			-20.5	-12.3	-32.8	118.8	-	SP 188	
14		2640		90°31'59"	0.93			-4.5	-24.6	-29.1	122.5	○	SP 187	
15		760		91°05'11"	1.89			+4.0	+14.4	+18.4	140.9	Δ		
16		580		91°33'05"	2.70			-8.0	-15.7	-23.7	117.2	-	SP 186	
17		1230		89°00'29"	1.74			-3.1	+21.4	+18.3	159.2	○	N4-9=SP 195+660	
18									CONT ON PAGE 4					
19														
20														

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 12
 LINE No.(s) 29 PARTY No. 182 DATE 2 Day 12 Mo. 75 Yr. BOOK No. 1
 SURVEYOR FOX RODMAN MONOHON WEATHER: COLD -55°F 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.			
1															
2											262.2				
3										275.6	260.2			SP 199	
4		173.5		93°05'46"	5.39			+4.0	+9.4	+13.4	273.6		Δ		
5		0						-4.9				268.7			
6		1146.5		93-30				-6.0		75.9		270.7	✓	N4-15=198+1146.5 1037	
7		1320.0		86°57'07"	5.31			+6.0	-70.1	-14.0	133.7	197.7	✓	SP 198	
8		0						-5.0					Δ		
9		1320.0		90°06'01"	0.18			-4.0	-2.4	-6.4		128.7	π	SP 197	
10		1494.0		90°10'48"	0.31			-3.4	-4.6	-8.0		126.3	-	SP 196	
11		1806.0		89°32'51"	0.79			+3.4	-4.3	-10.9	114.8	125.7	0	N4-14=SP195+1146	
12		660		90°25'27"	0.74			-4.0	-4.9	-8.9		105.9	-	SP 195	
13		0						-3.4		-3.4		111.4	π	SP 194+660	
14		660		89°57'53"	0.09			-22.3	+0.6	-21.7		92.1	-	SP 194	
15		1980		89°57'51"	0.09			-3.4	+1.8	-1.6 ^{2.1}		112.7	0	N4-11=SP193	
16										(2.2)					
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 75-29X-1
 LINE No.(s) 75-29X- PARTY No. 1195 DATE 22 Day MAY Mo. 1975 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. IPPISCH WEATHER: More Good DAWN SNOW 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	Correction	Center Hair			INST.	ROD			
1			TAKE OFF FROM			S.P.	199	-LINE	29	X (PARTY 1182-75)						
2												262.2				(REFER L-3 P.12)
3	N	1400	✓			B	10.8	+7.0		+17.8	280.0		Δ	S.P. 199-		
4		0	✓						5.0	-5.0	275.0		π	200		
5	S	1320	✓						12.6	-12.6	263.0			201		
6		2640		90° 05' 54"					14.0	-18.5	261.8		○	202		
7	N	3135	✓			B	5.2	+16.7		+20.9	282.4		Δ			
8		1815	✓			B	14.2	-9.2		-23.4	259.0			203		
9		495		90° 34' 22"					14.0	-18.9	263.5			204		
10		0	✓						5.0	-5.0	277.4		π	204 + 495		
11	S	825	✓						11.8	-11.8	270.6			205		
12		2145		90° 10' 55"					14.0	-20.8	261.6			206		
13		3465	✓						4.4	-4.4	278.0		○	207		
14	N	2640	✓						7.3	+3.3	281.3		Δ			
15		1320	✓						8.2	-8.2	273.1			208		
16		0	✓						5.0	-5.0	276.3		π	209		
17	S	1320	✓			T	7.0	+6.6		-0.4	280.9			210		
18		2640	✓			T	5.7	+13.2		+7.5	288.8		○	211		
19	N	1815	✓			T	4.6	-9.2		-4.6	284.2		Δ			
20		495	✓						7.8	-7.8	276.4			212		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 75-29X-2
 LINE No.(s) 75-29X PARTY No. 1195 DATE 77 Day WED Mo. 1977 Yr. BOOK No. _____
 SURVEYOR T. SHERKILL RODMAN R. IFFISCH WEATHER: SNOW - AS USUAL 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	Correction	Center Hair			INST.	ROD			
1												289.2				
2		0	✓						5.0	-5.0	279.2	π	212 + 495		↑	
3	S	825	✓						6.3	-6.3	277.9	π	213			
4		2145	✓			T	3.8	+10.7		+6.9	291.1	0	214			
5	N	2640	✓			T	6.3	-13.2		-6.9	284.2	Δ				
6		1320	✓						6.4	-6.4	277.6	π	215			
7		0	✓						5.0	-5.0	279.2	π	216			
8	S	1320	✓						6.2	-6.2	278.0	π	217			
9		2640	✓			T	2.2	+13.2		+6.0	290.2	0	218			
10	N	3405	✓						6.4	+6.4	296.6	Δ				
11		2145	✓						4.3	-4.3	292.2	π	219			
12		825	✓						5.6	-5.6	291.0	π	220			
13		0	✓						5.0	-5.0	291.6	π	220 + 825			
14	S	495	✓						14.6	-14.6	282.0	π	221			
15		1815	✓			B	10.4	-9.2		-19.6	277.0	π	222			
16		3135	✓			B	3.2	-15.7		-18.9	277.7	π	223			
17		3300	✓						5.2	-5.2	291.4	0	223 + 165			
18	N	2310	✓			B	11.4	+11.5		+22.9	314.3	Δ				
19		1155	✓			B	14.8	-5.8		-20.6	293.7	π	224			
20		0	✓						5.0	-5.0	309.3	π	224 + 1155		✓	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 75-298-3
 LINE No.(s) 75-29X PARTY No. 1195 DATE 22 Day MAY Mo. 1975 Yr. BOOK No. _____
 SURVEYOR T. SKERRILL RODMAN R. PRISON WEATHER: SNOW P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction				INST.	ROD			
1											314.3					
2	S	165	✓					4.8		-4.8	309.5		51.225			
3		148.5	✓					4.6		-4.6	309.7		226			
4		280.5	✓					10.1		-10.1	304.2	⊙	227			
5	N	247.5	✓			T	11.6	-12.4		-0.8	303.4	Δ				
6		115.5	✓					10.4		-10.4	293.0		228			
7		0	✓					5.0		-5.0	298.4		228+165			
8	S	165	✓					14.7		-14.7	288.7		229			
9		148.5	✓			B	9.0	-7.4		-16.4	287.0		230			
10		280.5	✓			T	6.3	+14.0		+7.7	311.1	⊙	231			
11	N	264.0	89°56'00"					5.0		+1.9	313.0	Δ				
12		132.0	✓					6.2		-6.2	306.8		232			
13		0	✓					5.0		-5.0	308.0	π	233			
14	S	137.0	✓					2.8		-2.8	310.2		234			
15		264.0	✓			T	12.9	+13.2		+0.3	313.3	⊙	235			
16	N	264.0	✓			B	10.8	+13.2		+24.0	337.3	Δ				
17		132.0	90°	25'10"				14.0		-23.7	313.6		236			
18		0	✓					5.0		-5.0	332.3	π	237			
19	S	132.0	89°	37'03"				2.0		+6.8	344.1		238			
20		264.0	89°	32'00"				2.0		+19.5	356.8	⊙	239			

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STADIA SURVEY NOTES

AREA N.P.R.-4 STATE or PROVINCE ALASKA PAGE No. 75-29X-4
 LINE No.(s) 75-29X PARTY No. 1195 DATE 22 Day MAY / Mo. 1975 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. IOPISCH WEATHER: SNOW 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												356.8				
2	N	2845	✓	91° 09' 12"				14.0		+57.2	414.0		Δ	SA 239		
3		1320	✓	91° 16' 53"				14.0		-43.5		370.5		240		
4		0	✓					5.0		-5.0		409.0		π	240+825	
5	S	495	✓					6.4		-6.4		407.6			241	
6		930	✓					7.7		-7.7		406.3			WT. 59/29X	
7		1815	✓					5.2		-5.2		408.8		○	242	
8	N	2145	✓					14.8		+14.8	423.6		Δ			
9		825	✓					6.5		-6.5		417.1			243	
10		0	✓					5.0		-5.0		418.6		π	243+1815	
11	S	495	✓					11.4		-11.4		412.2			244	
12		1815	✓	90° 38' 45"				14.0		-34.5		389.7		○	245	
13	N	2640	✓	87° 51' 56"				2.0		-96.3	292.8		Δ			
14		1320	✓	89° 08' 10"				2.0		+17.9		310.7			246	
15		0	✓					5.0		-5.0		287.8		π	247	
16	S	1320	✓					T 3.7	+6.6	+2.9		295.7			248	
17		2640	✓					T 9.8	+13.2	+3.4		296.2		○	249	
18	N	2640	✓	90° 02' 40"				14.0		+16.0	312.2		Δ			
19		1320	✓					9.7		-9.7		302.5			250	
20		0	✓					5.0		-5.0		309.2		π	251	

Instrument provided

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 75-294-5
 LINE No.(s) 75-29X PARTY No. 1195 DATE 27 Day MAY Mo. 1975 Yr. BOOK No. _____
 SURVEYOR T. S. HERRILL RODMAN R. IAPISCH WEATHER: SNOW P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	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				INST.	ROD			
1											312.2					
2	S	1320	90°	49' 22"				14.0	-33.0	-33.0		279.2		S.P. 252		
3		2640	90°	25' 20"				14.0	-33.5	-33.5		278.7		253		
4		3960	✓				B	33	-12.8			289.1		254		
5	N	1660	✓					7.6		+7.6	296.7					
6		346	✓					5.1		-5.1		291.6		255		
7		0	✓					5.0		-5.0		291.7		255 + 34		
8	S	980	94°	26' 02"				14.0		-82.8		206.9		256		
9		2280	✓					77		-7.7		289.0		257		
10	N	2145	90°	44' 10"				14.0		+41.6	330.6					
11		825	✓					11.0		-11.0		319.6		258		
12		0	✓					5.0		-5.0		325.6		258 + 825		
13	S	425	✓					9.6		-9.6		321.0		259		
14		1815	✓					11.4		-11.4		319.2		260		
15		3135	✓					11.2		-11.2		319.4		251		
16	N	2145	✓				T	13.4	-10.7			322.1				
17		825	✓					11.2		-11.2		310.9		252		
18		0	✓					5.0		-5.0		317.1		1.52 152		
19		495	✓					13.6		-13.6		308.9		1.53		
20		1815	✓					3.2		-3.2		318.9		1.54		

Zoned ground

✓

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STADIA SURVEY NOTES

AREA M.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 75-29X-6
 LINE No.(s) 75-29X PARTY No. 1195 DATE 22 Day MAY Mo. 1975 Yr. BOOK No. _____
 SURVEYOR T. SHERILL RODMAN R. APPISCH 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	Correction	Center Hair			INST.	ROD			
1												322.1				
2	S	3135		70°17'32"				14.0		-30.3		291.8		T.S.5		I
3		3455		91°33'59"				14.0		-108.4		213.7		T.S.6		E.O.L.
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NAVAL PETROLEUM RESERVE #4 STATE or PROVINCE NORTH SLOPE, ALASKA PAGE No. 1
 LINE No.(s) 29 PARTY No. 182 DATE 7 Day 2 Mo. 75 Yr. BOOK No. 1
 SURVEYOR T. FOX RODMAN P. McNAHON WEATHER: Clear, Windy P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAM 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			PROFILE OF LINE 29 CARRY ELEVATION FROM INTERSECTION OF E. LINE 29-184-79													
2			AND LINE 30-184-79 (IRON PIPE 2")													
3			ELEVATION TOP OF PIPE													
4	NE	660		90°-43'	1.25			0.0		+8.3	+8.3		132.9		Δ	SP135 A.X. LINE 29
5		0						-4.7		-4.7					-	N.4-2 X
6	SW	660		90°-00'	1.40			7.0		-9.3	-13.3				○	SP136 TOP OF FLAG
7	NE	2380		88°-15'	3.08			4.0		+72.0	+68.0				Δ	
8	- -	1060						2.0			-2.0				-	SP137 137+1060 X
9	S	274		94-31'				5.0			-26.4				-	SP138 138+274
10	- -	1590		90°-20'	5.92			70.0		+9.4	-19.4				○	SP139
11	N	3325		91-06-00'	4.92			70.0		+62.0	+74.0				Δ	
12	- -	2020		91-31-27'				70.0			-63.7				-	SP140
13	- -	685		95-21-31'				70.0			-74.0				-	SP141
14		630														SP141+ 685 X
15	-S-	630						4.7			-4.7				-	SP142
16	- -	1950						8.3			-8.3				-	SP143
17	- -	2280						9.2			-9.2					
18	1310	900		90°-03'				4.4		2.2	+6.9				⊙	N.4-4 143+300 TOP OF REBAR
19		930		90°-09'											-	
20		1320		90°-10'-12"				4.0							-	SP144

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STADIA SURVEY NOTES

AREA NAVAL PETROLEUM RESERVE #1 STATE or PROVINCE NORTHSLOPE ALASKA PAGE No. 2
 LINE No.(s) 29 PARTY No. 182 DATE 7 Day 2 Mo. 75 Yr. BOOK No. 1
 SURVEYOR A. JENSEN RODMAN R. MANOHON WEATHER: CLEAR, WINDY 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.	ROD			
1																
2				89-47-37												
3		0									-5.2				145	X
4		330		91-09-33							-4.0				145.0	
5		1650		89-47-37 0036							-4.0	-5.9		0	146	
6		660		90-34-40.01							4.0	6.7	+10.7	A		
7		0									5.7		-5.2	-	146	+660 X
8		660		90-22-11							4.0			-	147	
9		1980		91-35-11.0009							2.7	1.9		0	148	N4-S
10	N	112.0	-								2.9			A		
11		1160		92-35-50"							5.0			0	149	
12		735		92-40-20"							4.7			A		
13		650									-2			0	150	+330
14		660		89-52-42"							5.0			A		
15		990		89-57-36"							4.0			-	150	
16		330		91-08-23"							4.0			-	151	100+990 X
17		1500		90-08-51"							2.0			0	152	
18		330		93-25-52"							4.0			A		
19		660		90-44-40"							3.0			0	153	
20		1980		90-18-18"							4.0			A		

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2nd _____

STADIA SURVEY NOTES

AREA NAVAL PETROLEUM RESERVE #4 STATE or PROVINCE NORTH SLOPE, ALASKA PAGE No. 3
 LINE No.(s) 29 PARTY No. 182 DATE 7 Day 2 Mo. 75 Yr. BOOK No. 1
 SURVEYOR A. JENSEN RODMAN P. MONOHON WEATHER: CLEAR, WINDY 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															
2		660		9100-10									-	154	154+660 =
3		660		89-2859									0	155	
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA NAVAL PETROLEUM RESERVE #2 STATE or PROVINCE NORTH SLOPE, ALASKA PAGE No. 4
 LINE No.(s) 29 PARTY No. 187 DATE 8 Day 2 Mo. 1975 Yr. BOOK No. 1
 SURVEYOR T. FOX RODMAN P. MANDON WEATHER: OVERCAST, WINDY, COLD P.T.S. No. _____

LINE	Bearing of Sight	Stadio 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																
2																
3																
4																
5																
6																
7		0														
8		0														⊙ 183+660 N TOP RESER
9	N	660		92° 42' 03"												Δ 185
10	-11-	1980		90° 48' 52"												⊙ 184
11	S	1980		89° 58' 08"												Δ
12	S	990		89° 55' 47"												- 183+530 14-8
13	S	660		90° 21' 37"												- 183
14		0		90° 20' 13"												- 182+660 X
15	N	660		90° 20' 13"												- 182
16	N	1980		90° 16' 15"												⊙ SP181
17	S	1350		90° 33' 14"												Δ
18	S	330		91° 56' 01"												- SP 180
19		0														- 179+990 X
20	N	990		90° 03' 10" 15"												⊙ SP 179

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STADIA SURVEY NOTES

AREA NAVAL PETROLEUM RESERVE #4 STATE or PROVINCE NORTH SLOPE, ALASKA PAGE No. 5
 LINE No.(s) R9 PARTY No. 182 DATE 8 Day 2 Mo. 75 Yr. BOOK No. 1
 SURVEYOR T. FOX RODMAN P. MONOHAN WEATHER: OVERCAST, WINDY, COLD. 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															
2	S	1320		89°-09'-12"											△
3		0													
4	N	1320		90°-28'-35"											- SP178 X - SP177
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA NAVAL PETROLEUM RESERVE #4 STATE or PROVINCE NORTH SLOPE, ALASKA PAGE No. 6
 LINE No.(s) 29 PARTY No. 183 DATE 9 Day 2 Mo. 25 Yr. BOOK No. 1
 SURVEYOR _____ RODMAN _____ WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadio Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	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				INST.	ROD			
1																
2	S	660		91°11'00"				+6.00						A	SP 177	
3	N	660		90°03'08"				-4.00						o	SP 176	
4	S	990		89°55'47"				+4.00						Δ		
5		330		91°00'28"				+4.00						-	SP 175	
6		1650		89°38'38"				-4.0						o	SP 174	
7				94°01'55"				+4.0						Δ		
8		3825		89°05'38"				0.0						o	SP 173 = 82.4	N4-7
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 7
 LINE No.(s) 29 PARTY No. _____ DATE 9 Day 2 Mo. _____ Yr. BOOK No. 1
 SURVEYOR _____ 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.	ROD		
1															
2															
3		1890		90° 38' 57"						+5.0			Δ	SP 155	011 114-5
4				90° 42' 34"						14.0			Δ	SP 155	
5				90° 31' 28"						+15.0			-	SP 154	
6															
7	NE	480		91° 53' 50"						+4.0			-	SP 156	
8	SW	830		91° 42' 04"						-5.0			-	SP 157	
9		2200 2160		90° 35' 31"						-5.0			0	SP 158	
10	NE	1920		90° 58' 49"						+5.0			Δ		
11		810		91° 16' 26"						-14.0			-	SP 159	
12	S	230								-5.1			0	SP 159 + 990 114-5	
13		330		91° 52' 40"						5.0				SP 160	
14		0								+4.5			Δ		
15	S	330		92° 52' 40"						5.0			-	SP 160	
16		1690		90° 55' 29"						-5.0			0	SP 161	
17		1390		90° 39' 26"						+1.0			Δ		
18		0								5.0				SP 162	
19		1890		89° 51' 45"						-5.0			0	SP 163	
20		1300													

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 8
 LINE No.(s) 29 PARTY No. _____ DATE 9 Day 2 Mo. _____ Yr. BOOK No. 1
 SURVEYOR _____ 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																
2																
3		1600	-													
4		330	-	91°05'00"												Δ SP163
5		985	-	90°13'15"												- SP164
6		1400	-	90°13'15"												⊙ SP165
7		1460	-													- SP166 N OFFSET HOLE
8		1340	-	89°17'58"												⊙ SP167
9		0														- SP166 X
10		1340		89°17'58"												⊙ SP167
11		1340 1300		90°41'07"												Δ
12		0														- SP168
13		1000		89°39'09"												⊙ SP168+990
14		1670 1700		90°08'20"												Δ
15			-													Δ CK
16		6.0 1360	-													⊙ SP169
17		1340		89°44'15"												⊙ SP1715
18		0														⊙ SP170
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 9
 LINE No.(s) _____ PARTY No. _____ DATE _____ Day _____ Mo. _____ Yr. BOOK No. 1
 SURVEYOR _____ RODMAN _____ WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadio 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																
2															SP 171	
3		1770		90°25'24"					75.0					Δ SP1		
4		421		91°34'56"					-5.0					- SP172		
5		900	-						-5.8					- SP172		
6		980	-						-3.2					⊙ SP173+82.4	NA-7	
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 10
 LINE No.(s) _____ PARTY No. _____ DATE _____ Day _____ Mo. _____ Yr. BOOK No. 1
 SURVEYOR _____ 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																
2																
3																
4																
5		735		89°29'43"					5.0					Δ		DINK
6				90°29'07"					7.5					⊙		N4-7 7.5 FLAG
7		800		90°33'50"					5.0					⊙		FLAG at N4-7 15
8																7.5' above Papan
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE ALASKA PAGE No. 11
 LINE No.(s) 29 PARTY No. 182 DATE 10 Day 2 Mo. 75 Yr. BOOK No. 1
 SURVEYOR FOX RODMAN MONOHAN WEATHER: COLD 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.	ROD			
1																
2																
3																
4																
5	SW	660		90°52'53"							+3.4			Δ	SP 193 = N4-11	
6	N	330		90°37'00"							-5.0			○	SP 192	
7		660		89°50'40"							+5.0			Δ	SP 192	
8		330		24-30-00							-4.0			-	SP 192	
9				89°50'40"							-5.0			○	SP 192	
10		660		89°28'58"							-5.0			○	191+830	
11		2970		90°01'08"							+6.2			Δ		
12		2640		89-52-41							15.1			-	SP 191	
13		1320		90-04-26					20.5		15.0			-	SP 190	
14		0									5.5			Δ	SP 189	
15		1320		90-32-01							20.5			-	SP 188	
16		2640		90-32-59							4.0			○	SP 187	
17		960		91°05'11"							4.0			Δ		
18		580		91-33-45							8.0			-	SP 186	
19		1230		89-06-23							3.1			○	N4-9, 85+660	
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 12
 LINE No.(s) _____ PARTY No. _____ DATE 11 Day 2 Mo. 25 Yr. BOOK No. 1
 SURVEYOR _____ 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																
2																
3																
4		330		91°48'55"											+4.0	Δ SP199
5		0														- N4-15 198+790
6		990		91°47'33"											-7.5	- SP198
7		1190		91°25'02"											5.0	⊙ intermediate pt
8		1120		86-15'29"											6.6	Δ 198
9		0													5.5	- SP197
10		1320		90°05'35"											4.0	⊙ SP196
11		660		89-16'21"											4.0	Δ 195+660 X
12		660		91-08-02											4.0	- 195
13		1320		90-11-50											4.0	Δ
14		0													5.2	X 194
15		1320		89-58-30											3.9	⊙ N4-11/SP193
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 13
 LINE No.(s) 29 PARTY No. _____ DATE 2 Day 12 Mo. 75 Yr. BOOK No. 1
 SURVEYOR _____ 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.	ROD		
1															
2															
3															
4		173.5		93-05-46											
5		0													
6		1146.5													
7		1320		86-57-07											
8		0													
9		1320		90°06'01"											
10		1494		90°10'98"											
11		1806		89°-32-51											
12		660		90°-25-27'											
13		0													
14		600		89-57-53											
15		1980		89-57-51											
16															
17															
18															
19															
20															

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