

Volume V

BOREHOLE LOGS FOR THE BEAUFORT SEA

ESSO Resources Canada Ltd. 1974

0306-34413

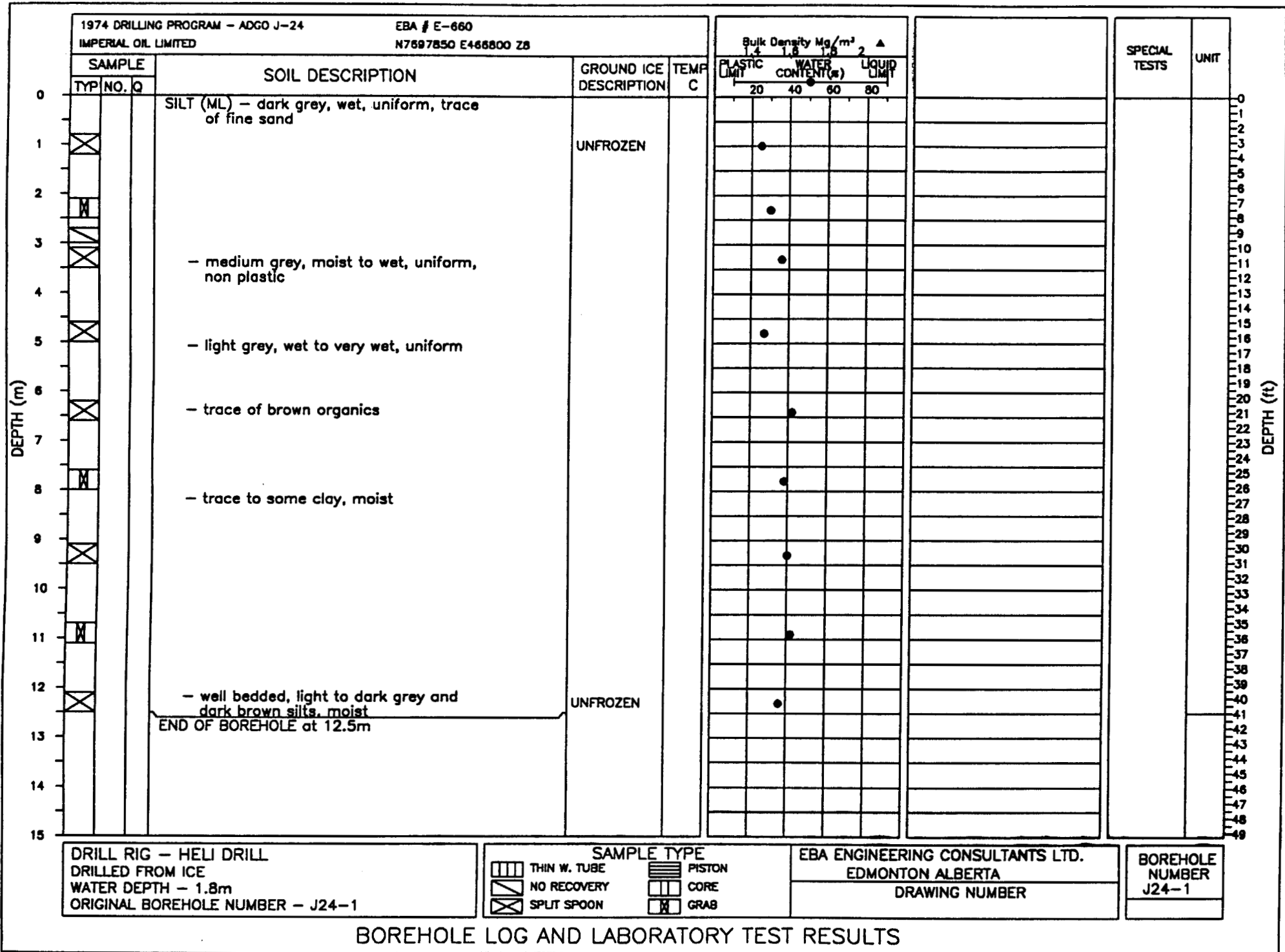
May, 1988



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ESSO RESOURCES CANADA LTD.

<u>APPENDIX</u>	<u>YEAR OF STUDY</u>	<u>CONSULTANT</u>	<u>CONSULTANT'S JOB NO.</u>
	1974	EBA	E-660



1974 DRILLING PROGRAM - ADGO J-24 IMPERIAL OIL LIMITED				EBA # E-860 N7897850 E466800 Z8		Bulk Density Mg/m^3 ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO. Q											
0		SILT (ML) - light grey, uniform, very wet, non plastic										0
1												1
2	X		UNFROZEN			40						2
3												3
4	X											4
5	X	- moist, sandy				40						5
6	X	- silty clay lense				40						6
7												7
8	X	- well bedded, light to dark grey - trace of brown organics				40						8
9												9
10												10
11	X					40						11
12	X	- some organics	UNFROZEN			40						12
13		END OF BOREHOLE at 12.6m										13
14												14
15												15

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.0m
 ORIGINAL BOREHOLE NUMBER - J24-2

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 J24-2

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - ADGO F-28				EBA # E-660									
IMPERIAL OIL LIMITED				N7705181 E466985 Z8									
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)	
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
			SILT (ml) - slight trace of very fine sand, black, very wet	SEASONALLY FROZEN								0	
												1	
												2	
				trace of ice UNFROZEN								3	
												4	
												5	
												6	
												7	
												8	
												9	
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												19	
												20	
												21	
			- black, trace of clay, no sand, soft, wet to saturated	UNFROZEN								22	
			END OF BOREHOLE at 6.7m									23	
												24	
												25	
												26	
												27	
												28	
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												48	
												49	

DRILL RIG - MOBIL B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 4.0m
 ORIGINAL BOREHOLE NUMBER - 101-A

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 A101-A

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - ADGO F-28

EBA # E-660

IMPERIAL OIL LIMITED

N7705221 E466910 Z8

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				SILT (ml) - black, wet to saturated	UNFROZEN								0
1													1
2													2
3													3
4													4
5													5
6													6
7													7
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48													48
49													49

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 2.15m
 ORIGINAL BOREHOLE NUMBER - 101-B

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE
 NUMBER
 A101-B

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - ADGO F-28 IMPERIAL OIL LIMITED				EBA # E-660 N7705058 E468561 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2						SPECIAL TESTS		UNIT		
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT								
TYP	NO.	Q														
0				SILT (ml) - medium to dark grey	FROZEN											0
1	X															1
2																2
3																3
4	X			- dark grey to black, moist, very loose, possibly micaceous	UNFROZEN											4
5				- some black organic layers, wet												5
6	X															6
7	X															7
8	X															8
9																9
10	X															10
11	X			- trace of clayey silt pockets, non to low plastic												11
12																12
13	X															13
14	X			END OF BOREHOLE at 14.0m	UNFROZEN											14
15																15

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 DRILLED FROM ISLAND
 ORIGINAL BOREHOLE NUMBER - 101-C

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 A101-C

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7706511 E466294 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO.	Q											
0			SILT (CL) - black, saturated, very loose	UNFROZEN								0	
1													1
2													2
3													3
4													4
5													5
6													6
7													7
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9													9
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14													14
15												15	
DRILL RIG - MOBILE B-61 AUGER DRILLED FROM ICE WATER DEPTH - 2.1m ORIGINAL BOREHOLE NUMBER - 102				THIN W. TUBE NO RECOVERY SPLIT SPOON PISTON CORE GRAB				EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER		BOREHOLE NUMBER GI102			

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND
IMPERIAL OIL LIMITED

EBA # E-660
N7706646 E467255 Z8

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				SILT (ML) - dark grey to black, saturated, very loose, trace of very fine sand									0
1													1
2					UNFROZEN								2
3				- no sand									3
4				END OF BOREHOLE at 4.0m									4
5													5
6													6
7													7
8													8
9													9
10													10
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14													14
15													15

DRILL RIG - MOBILE B-61 AUGER
DRILLED FROM ICE
WATER DEPTH - 4.0m
ORIGINAL BOREHOLE NUMBER - 103

SAMPLE TYPE
☐ THIN W. TUBE ☐ PISTON
☐ NO RECOVERY ☐ CORE
☐ SPLIT SPOON ☒ GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
GI103

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND
IMPERIAL OIL LIMITED

EBA / E-660
N7706925 E469213 ZB

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				SILT (ml) - dark grey, clayey, wet to saturated, very loose	UNFROZEN		20	40	60	80			0
1													1
2													2
3													3
4													4
5													5
6													6
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END OF BOREHOLE at 4.1m

DRILL RIG - MOBILE B-61 AUGER
DRILLED FROM ICE
WATER DEPTH - 2.6m
ORIGINAL BOREHOLE NUMBER - 104

SAMPLE TYPE
 THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON
 PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
GI104

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND
IMPERIAL OIL LIMITED

EBA # E-660
N7707208 E469306 ZB

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	BULK DENSITY (Mg/m ³)				SPECIAL TESTS	UNIT	DEPTH (ft)	
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
0				SILT (ml) – sandy (very fine), trace of clay to clayey, dark grey to black, saturated, very loose	UNFROZEN								0	
1														1
2														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
13														13
14														14
15														15
				END OF BOREHOLE at 5.0m									16	
													17	
													18	
													19	
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DRILL RIG - MOBILE B-61 AUGER
DRILLED FROM ICE
WATER DEPTH - 2.6m
ORIGINAL BOREHOLE NUMBER - 104A

SAMPLE TYPE
☐ THIN W. TUBE ☐ PISTON
☐ NO RECOVERY ☐ CORE
☐ SPLIT SPOON ☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
G1104A

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-860 N7707564 E469664 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.8 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - dark grey to black, saturated, very loose to loose	UNFROZEN								0
1												1
2												2
3												3
4			- trace of clay									4
5			END OF BOREHOLE at 4.9m									5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
15												15

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 1.8m
 ORIGINAL BOREHOLE NUMBER - 104B

SAMPLE TYPE

☐ THIN W. TUBE

☐ NO RECOVERY

☐ SPLIT SPOON

☐ PISTON

☐ CORE

☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1104B

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7707517 E466162 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT(%)	LIQUID LIMIT			
TYP	NO.	Q									
0			SILT (ml) - dark grey, saturated, very loose to loose	UNFROZEN							
1											
2			- trace of clay								
3											
4			END OF BOREHOLE AT 3.7m								
5											
6											
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10											
11											
12											
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14											
15											

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 3.0m
 ORIGINAL BOREHOLE NUMBER - 105

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 GI105

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-860 N7708888 E466649 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)									
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT													
TYP	NO.	Q																			
0			SILT (ml) - trace of clay, saturated, very loose, trace of organics, dark grey to black	UNFROZEN								0									
1																				1	
2																					2
3																					3
4												4									
5			END OF BOREHOLE at 4.6m									5									
6												6									
7												7									
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DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 3.7m
 ORIGINAL BOREHOLE NUMBER - 106

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1106

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N0000000 E000000 Z8										
SAMPLE			SOIL DESCRIPTION			GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2 PLASTIC LIMIT WATER CONTENT (%) LIQUID LIMIT 20 40 60 80				SPECIAL TESTS	UNIT	DEPTH (ft)
TYP	NO.	Q												
0			SILT (ml) - some clay to 1m, very loose to loose, saturated			UNFROZEN								0
1														1
2														2
3														3
4			END OF BOREHOLE at 4.9m											4
5														5
6														6
7														7
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49			49											

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 3.4m
 ORIGINAL BOREHOLE NUMBER - 107

SAMPLE TYPE

THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON

PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE
 NUMBER
 GI107

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA / E-660 N7711890 E467525 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)																																																																																																																														
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT																																																																																																																																		
TYP	NO.	Q																																																																																																																																								
0			SILT (CL) - some clay, saturated, very loose to loose, wet	UNFROZEN								0																																																																																																																														
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DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 3.2m
 ORIGINAL BOREHOLE NUMBER - 108

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1108

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA / E-660 N7713044 E468092 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2					SPECIAL TESTS	UNIT			
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT							
TYP	NO.	Q													
0			SILT (ml) - very loose, saturated, dark grey	UNFROZEN									0		
1															1
2															2
3															3
4													4		
5													5		
6													6		
7													7		
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DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 3.4m
 ORIGINAL BOREHOLE NUMBER - 109

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1109

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-880 N7713104 E469284 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - trace of clay, wet to saturated, very loose to loose, grey	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
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48												48
49												49

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 3.0m
 ORIGINAL BOREHOLE NUMBER - 110

SAMPLE TYPE

THIN W. TUBE

NO RECOVERY

SPLIT SPOON

PISTON

CORE

GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1110

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7713110 E470111 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - wet, loose dark grey	UNFROZEN								0
1												1
2			- some fine sand 1.8 to 2.7m									2
3												3
4			END OF BOREHOLE at 4.0									4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
15												15

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 2.8m
 ORIGINAL BOREHOLE NUMBER - 111

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1111

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA / E-660 N7713157 E471129 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
			SILT (ml) - loose, wet dark grey	UNFROZEN								0
												1
												2
												3
												4
												5
												6
												7
												8
												9
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												48
												49

DEPTH (m)

0

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

DRILL RIG -- MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH -- 2.7m
 ORIGINAL BOREHOLE NUMBER -- 112

SAMPLE TYPE

☐ THIN W. TUBE

☐ NO RECOVERY

☐ SPLIT SPOON

☐ PISTON

☐ CORE

☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1112

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712369 E471297 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2						SPECIAL TESTS	UNIT	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT(%)	LIQUID LIMIT						
TYP	NO.	Q												
0			SILT (ml) - trace of clay, loose, saturated, dark grey	UNFROZEN									0	
1														1
2			SAND-GRAVEL and SILT (sm) - saturated coarse sand, fine gravel											2
3	M		SAND and GRAVEL (SM) - silty, trace of clay, fine to medium, grey, saturated											3
4			SILT (ml) - gravelly to 3.6m, some clay, black, saturated											4
5			END OF BOREHOLE at 4.3m										5	
6													6	
7													7	
8													8	
9													9	
10													10	
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12													12	
13													13	
14													14	
15													15	

DRILL RIG - HELI GRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.5m
 ORIGINAL BOREHOLE NUMBER - 113A

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE
 NUMBER
 G113A

DEPTH (m) DEPTH (ft)

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712257 E472177 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				PLASTIC LIMIT WATER CONTENT(%) LIQUID LIMIT 20 40 60 80				SPECIAL TESTS		UNIT		DEPTH (ft)	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C														
TYP	NO.	Q																	
0			SILT (ml) - wet, loose dark grey	UNFROZEN														0	
1			- trace of sand and gravel from 0.3 to 0.8m															1	
2																		2	
3																		3	
4																		4	
5			END OF BOREHOLE at 4.3m															5	
6																		6	
7																		7	
8																		8	
9																		9	
10																		10	
11																		11	
12																		12	
13																		13	
14																		14	
15																		15	

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.5m
 ORIGINAL BOREHOLE NUMBER - 113B

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE
 NUMBER
 G1113B

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712302 E471787 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT(%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - wet, loose dark grey	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
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45												45
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49												49

DRILL RIG - HELI DRILL DRILLED FROM ICE WATER DEPTH - 2.3m ORIGINAL BOREHOLE NUMBER - 113C	SAMPLE TYPE ☐ THIN W. TUBE ☐ PISTON ☐ NO RECOVERY ☐ CORE ☐ SPLIT SPOON ☐ GRAB	EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER	BOREHOLE NUMBER G113C
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712248 E470597 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO.	Q											
0			SILT (ml) - wet, loose, dark grey, some sand from 0.2 to 2.5m	UNFROZEN								0	
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15												15	
END OF BOREHOLE at 4.3m												16	
												17	
												18	
												19	
												20	
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												48	
												49	

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.4m
 ORIGINAL BOREHOLE NUMBER - 113D

SAMPLE TYPE

☐ THIN W. TUBE

☐ NO RECOVERY

☐ SPLIT SPOON

☐ PISTON

☐ CORE

☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G113D

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N0000000 E000000 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - some fine sand, loose, wet	UNFROZEN								0
1			- no sand below 0.9m									1
2												2
3												3
4			END OF BOREHOLE at 4.0m									4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
15												15

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.7m
 ORIGINAL BOREHOLE NUMBER - 113E

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 GI113E

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712625 E470513 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - loose, wet dark grey	UNFROZEN								0
1			- trace of sand									1
2			SAND (3m) - with some silt fine, uniform loose, wet to saturated									2
3			SILT (ml) - trace of sand									3
4			END OF BOREHOLE at 4.3m									4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
15												15

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.6m
 ORIGINAL BOREHOLE NUMBER - 113F

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1113F

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7711578 E470591 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT(%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - loose, wet, dark grey	UNFROZEN								0
1			- trace of sand at 0.6 to 0.8m									1
2												2
3												3
4												4
5			END OF BOREHOLE at 4.3m									5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
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49												49

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.4m
 ORIGINAL BOREHOLE NUMBER - 113H

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE
 NUMBER
 G113H

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712060 E470942 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)		
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT						
TYP	NO.	Q												
0			SILT (ml) - loose, wet	UNFROZEN								0		
1			GRAVEL (GW) - fine to coarse, well graded, trace of sand and silt, saturated										1	
2														2
3														3
4														4
5			SAND (sp) - trace of gravel, fine, uniform, organic rich, loose to compact									5		
6			SILT (ml) - loose, wet, dark grey									6		
7			END OF BOREHOLE at 5.8m									7		
8												8		
9												9		
10												10		
11												11		
12												12		
13												13		
14												14		
15												15		

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.4m
 ORIGINAL BOREHOLE NUMBER - 1131

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☒ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G11131

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM -- GARRY ISLAND
IMPERIAL OIL LIMITED

EBA # E-660
N7711721 E470222 ZB

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				SILT (ml) -- very loose to loose, wet, dark grey	UNFROZEN		20	40	60	80			0
1													1
2				— trace of sand at 1.2m									2
3													3
4				— trace of gravel at 3.7m									4
5				END OF BOREHOLE at 4.3m									5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
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													49

DRILL RIG -- HELI DRILL
DRILLED FROM ICE
WATER DEPTH -- 2.46m
ORIGINAL BOREHOLE NUMBER -- 113G

SAMPLE TYPE
☐ THIN W. TUBE ☐ PISTON
☐ NO RECOVERY ☐ CORE
☐ SPLIT SPOON ☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
G1113G

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712753 E471246 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - loose, wet, dark grey	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
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												47
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												49

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.43m
 ORIGINAL BOREHOLE NUMBER - 113J

SAMPLE TYPE

☐ THIN W. TUBE

☐ NO RECOVERY

☐ SPLIT SPOON

☐ PISTON

☐ CORE

☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1113J

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712495 E470887 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT(%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - loose to compact, moist, dark grey	UNFROZEN								0
1			- some organics									1
2												2
3												3
4			GRAVEL (gm) - some sand, fine to coarse, some silt									4
5			SILT (ml) - loose to compact, moist, dark grey									5
6												6
7												7
8												8
9			END OF BOREHOLE at 8.84m									9
10												10
11												11
12												12
13												13
14												14
15												15

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.43m
 ORIGINAL BOREHOLE NUMBER - 113K

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1113K

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND				EBA # E-660		IMPERIAL OIL LIMITED				N7711799 E421197 ZB			
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)	
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
						20	40	60	80				
0			SILT (ml) - some fine sand, loose, dark grey	UNFROZEN								0	
1												1	
2												2	
3												3	
4												4	
5												5	
6												6	
7												7	
8												8	
9												9	
10												10	
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43												43	
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45												45	
46												46	
47												47	
48												48	
49												49	

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.1m
 ORIGINAL BOREHOLE NUMBER - 113L

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G113L

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7711899 E470600 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO.	Q											
0			SILT (ml) - loose, wet, dark grey	UNFROZEN								0	
1													1
2			SAND (SM) - trace of silt and fine gravel, medium to coarse, saturated										2
3			SILT (ml) - loose, wet, dark grey										3
4			END OF BOREHOLE at 4.27m									4	
5												5	
6												6	
7												7	
8												8	
9												9	
10												10	
11												11	
12												12	
13												13	
14												14	
15												15	

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.43m
 ORIGINAL BOREHOLE NUMBER - 113M

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☒ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 GI113M

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7711998 E471702 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT(%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SAND (sm) - with fine gravel, trace of silt	UNFROZEN								0
1			SILT (ml) - trace of fine sand									1
2			GRAVEL (gm) - some sand, trace of silt, fine to medium									2
3			SAND (SM) - some silt, trace of gravel, fine									3
4			SILT (ml) - trace of fine sand, dark grey, loose, wet									4
5												5
6			END OF BOREHOLE at 5.94m									6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
15												15

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.31m
 ORIGINAL BOREHOLE NUMBER - 113N

SAMPLE TYPE

☐ THIN W. TUBE

☐ NO RECOVERY

☐ SPLIT SPOON

☐ PISTON

☐ CORE

☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 GI113N

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7711600 E471600 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO. Q											
0		SAND (sm) - some silt, medium, uniform, wet. loose	UNFROZEN									0
1		SILT (ml) - very loose, saturated, dark grey										1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
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47												47
48												48
49												49

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.1m
 ORIGINAL BOREHOLE NUMBER - 1130

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☒ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1130

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7711600 E470900 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - loose, wet, dark grey	UNFROZEN								0
1			- trace of sand and gravel									1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
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40												40
41												41
42												42
43												43
44												44
45												45
46												46
47												47
48												48
49												49

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.4m
 ORIGINAL BOREHOLE NUMBER - 113P

SAMPLE TYPE

THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON

PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1113P

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-860 N7711300 E471300 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - loose to compact, moist to wet, dark grey	UNFROZEN								0
1												1
2												2
3												3
4												4
5			END OF BOREHOLE at 4.7m									5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
15												15

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.0m
 ORIGINAL BOREHOLE NUMBER - 113Q

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G113Q

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712495 E471597 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - loose to compact, moist to wet, dark grey	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
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37												37
38												38
39												39
40												40
41												41
42												42
43												43
44												44
45												45
46												46
47												47
48												48
49												49

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.4m
 ORIGINAL BOREHOLE NUMBER - 113R

SAMPLE TYPE

☐ THIN W. TUBE

☐ NO RECOVERY

☐ SPLIT SPOON

☐ PISTON

☐ CORE

☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G113R

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712100 E471300 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO.	Q											
0			SAND (SM) - some gravel and silt, saturated, loose	UNFROZEN								0	
1			GRAVEL (gm) - trace of silt, fine to coarse										1
2			SAND (sm) - some silt, fine, uniform, saturated, very loose										2
3			SILT (ml) - loose, wet to saturated, dark grey										3
4			END OF BOREHOLE at 4.3m									4	
5												5	
6												6	
7												7	
8												8	
9												9	
10												10	
11												11	
12												12	
13												13	
14												14	
15												15	
16												16	
17												17	
18												18	
19												19	
20												20	
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36												36	
37												37	
38												38	
39												39	
40												40	
41												41	
42												42	
43												43	
44												44	
45												45	
46												46	
47												47	
48												48	
49												49	

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.4m
 ORIGINAL BOREHOLE NUMBER - 113S

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☒ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G113S

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712796 E470340 Z8													
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲								SPECIAL TESTS	UNIT	DEPTH (ft)	
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT									
0			SAND (sm) - some silt, wet, loose, fine	UNFROZEN												0	
1			SILT (ml) - wet loose, dark grey, some fine sand to 0.9m														
2																2	
3																3	
4																4	
5			END OF BOREHOLE at 4.6m													5	
6																6	
7																7	
8																8	
9																9	
10																10	
11																11	
12																12	
13																13	
14																14	
15																15	

DRILL RIG - HELI DRILL
DRILLED FROM ICE
WATER DEPTH - 2.7m
ORIGINAL BOREHOLE NUMBER - 113T

SAMPLE TYPE

☐ THIN W. TUBE

☐ NO RECOVERY

☐ SPLIT SPOON

☐ PISTON

☐ CORE

☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
G113T

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712889 E470718 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2											
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT							SPECIAL TESTS	UNIT	
TYP	NO.	Q															
0			SILT (ml) - moist to saturated, very loose, dark grey	UNFROZEN													
1																	
2			SAND (sm) - some silt, fine saturated														
3			SILT (ml) - saturated, very loose dark grey, some organics at 2.6m														
4			END OF BOREHOLE at 4.1m														
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.6m
 ORIGINAL BOREHOLE NUMBER - 113U

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1113U

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712300 E470917 ZB												
DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲					SPECIAL TESTS	UNIT			
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT							
0				SAND-SILT (sm-mi) - medium grey brown, undifferentiated	UNFROZEN		1.4	1.6	1.8	2				0		
1																1
2																2
3																3
4																4
5																5
6																6
7																7
8																8
9																9
10				END OF BOREHOLE at 3.4m										10		
11																11
12																12
13																13
14																14
15																15
16																16
17																17
18																18
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44													44			
45													45			
46													46			
47													47			
48													48			
49													49			

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.3m
 ORIGINAL BOREHOLE NUMBER - 113-U-(6-600)

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G113U6A

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712300 E471100 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT(%)	LIQUID LIMIT					
TYP	NO. Q											
0												0
		SAND-SILT (sm-mi) - medium grey brown, undifferentiated	UNFROZEN									1
												2
												3
												4
												5
												6
												7
												8
												9
												10
												11
3		END OF BOREHOLE at 3.4m										12
												13
												14
												15
												16
												17
												18
												19
												20
												21
												22
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												49
15												

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.3m
 ORIGINAL BOREHOLE NUMBER - 113-U-6

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 GI113U6

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712400 E471200 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2					SPECIAL TESTS	UNIT		
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT(%)	LIQUID LIMIT						
TYP	NO.	Q												
0			SAND-SILT (sm-mi) - medium grey brown, undifferentiated	UNFROZEN									0	
1														
2													2	
3													3	
4			END OF BOREHOLE at 3.4m										4	
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
13														13
14														14
15														15

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.3m
 ORIGINAL BOREHOLE NUMBER - 113-T-7

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE
 NUMBER
 G1113T7

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712300 E471300 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			NO Returns	UNFROZEN								0
1			SILT (ml) - medium grey, lenses of medium grained sand									1
2			- clayey, traces of sand and gravel									2
3			END OF BOREHOLE at 2.6m									3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
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48												48
49												49

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.28m
 ORIGINAL BOREHOLE NUMBER - 113-U-8

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1113U8

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712200 E470900 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2								SPECIAL TESTS		UNIT	
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT		WATER CONTENT(%)		LIQUID LIMIT								
TYP	NO. Q				20	40	60	80									
0		SILT (ml) - dark grey, highly organic, trace of silty fine sand	UNFROZEN														0
1																	1
2		SAND (sm) - dark grey, silty, fine grained, some organic lenses															2
3		SILT (ml) - medium grey, some trace of fine sand															3
4		END OF BOREHOLE at 3.4m															4
5																	5
6																	6
7																	7
8																	8
9																	9
10																	10
11																	11
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13																	13
14																	14
15																	15

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.3m
 ORIGINAL BOREHOLE NUMBER - 113-V-4

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G113V4

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED					EBA # E-660 N7712300 E471200 ZB							
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
			SILT (ml) - grey, trace of organics and clay - some fine sand - traces of sand and gravel - high clay content END OF BOREHOLE at 3.51m	UNFROZEN								0
												1
												2
												3
												4
												5
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DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.43m
 ORIGINAL BOREHOLE NUMBER - 113-U-7

SAMPLE TYPE	
☐ THIN W. TUBE ☐ NO RECOVERY ☐ SPLIT SPOON	☐ PISTON ☐ CORE ☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G113U7

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712200 E471000 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2			SPECIAL TESTS	UNIT	DEPTH (ft)
DEPTH (m)	SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT			
	TYP	NO. Q									
0			No Returns								0
1											1
2	X		SAND (SM) - dark grey, fine to medium grained sand, trace of silt and fine gravel, trace fo organics	UNFROZEN							2
3			SILT (ml) - some clay, trace of fine sand								3
4			END OF BOREHOLE at 3.8m								4
5											5
6											6
7											7
8											8
9											9
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DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.3m
 ORIGINAL BOREHOLE NUMBER - 113-V-5

SAMPLE TYPE

THIN W. TUBE

NO RECOVERY

SPLIT SPOON

PISTON

CORE

GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1113V5

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND
IMPERIAL OIL LIMITED

EBA # E-660
N7712200 E471100 Z8

DEPTH (m)	SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO. Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0			No Returns									0
1												1
2			SILT-SAND (ml-sm) - medium grey, trace of fine sand grading into medium sand									2
3	X		SAND (SM) - medium grained, some organic lenses	UNFROZEN								3
4			END OF BOREHOLE at 3.4m									4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
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49												49

DRILL RIG - HELI DRILL
DRILLED FROM ICE
WATER DEPTH - 2.3m
ORIGINAL BOREHOLE NUMBER - 113-V-6

SAMPLE TYPE
☐ THIN W. TUBE ☐ PISTON
☐ NO RECOVERY ☐ CORE
☒ SPLIT SPOON ☒ GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
G1113V6

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM -- GARRY ISLAND

IMPERIAL OIL LIMITED

EBA # E-660

N7712200 E471200 ZB

DEPTH (m)	SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO. Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0			No Returns	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
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44												44
45												45
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47												47
48												48
49												49

DRILL RIG -- HELI DRILL

DRILLED FROM ICE

WATER DEPTH -- 2.3m

ORIGINAL BOREHOLE NUMBER -- 113-V-7

SAMPLE TYPE

THIN W. TUBE

NO RECOVERY

SPLIT SPOON

PISTON

CORE

GRAB

EBA ENGINEERING CONSULTANTS LTD.

EDMONTON ALBERTA

DRAWING NUMBER

BOREHOLE NUMBER

G113V7

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712200 E471300 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2			SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	WATER CONTENT (%)					
TYP	NO.	Q				PLASTIC LIMIT	LIQUID LIMIT	SHRINKAGE LIMIT			
			No Returns								0
											1
											2
											3
			SILT (ml) - medium grey, clayey								4
			SAND (SP) - medium grained to coarse, traces of silt and clay	UNFROZEN							5
											6
											7
											8
											9
			END OF BOREHOLE at 3.4m								10
											11
											12
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DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.3m
 ORIGINAL BOREHOLE NUMBER - 113-V-8

SAMPLE TYPE
☐ THIN W. TUBE ☐ PISTON
☐ NO RECOVERY ☐ CORE
☒ SPLIT SPOON ☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G113V8

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712200 E471400 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			No Return	UNFROZEN								0
1												1
2			SAND (sm) - dark grey, fine AND SILT (ml) - trace of sand, clay, undifferentiated below 2.0m									2
3												3
4			END OF BOREHOLE at 3.4m									4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
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40												40
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42												42
43												43
44												44
45												45
46												46
47												47
48												48
49												49

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.4m
 ORIGINAL BOREHOLE NUMBER - 113-V-9

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE
 NUMBER
 G113V9

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712200 E471563 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT-SAND (ml-sm) - very fine grained, undifferentiated, overburden	UNFROZEN								0
1												1
2			GRAVEL (gm) - medium to fine grained									2
3			SILT-SAND (ml) - fine									3
4			END OF BOREHOLE at 3.4m									4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
15												15

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.1m
 ORIGINAL BOREHOLE NUMBER - 113-V-(9+600)

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☒ SPLIT SPOON

☐ PISTON
☐ CORE
☒ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G113V9A

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712100 E470800 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2			SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO. Q										
0		No Returns									0
1											1
2	X	SAND-GRAVEL (sp) - poorly graded gravelly sand, dark grey, trace of silt	UNFROZEN		•						2
3	X	SAND (sm) - medium to coarse sand with silt			•						3
4	X	GRAVEL (gm) - fine grained, trace of silt and organics			•						4
5		SILT (ml) - dark grey with black organics, undifferentiated									5
6		END OF BOREHOLE at 4.6m									6
7											7
8											8
9											9
10											10
11											11
12											12
13											13
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42											42
43											43
44											44
45											45
46											46
47											47
48											48
49											49

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.4m
 ORIGINAL BOREHOLE NUMBER - 113-W-3

SAMPLE TYPE

THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON

PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G113W3

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712100 E470900 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	WATER CONTENT (%)							
TYP	NO. Q				PLASTIC LIMIT	LIQUID LIMIT	20	40	60			
		No Returns	UNFROZEN									0
		SILT (ml) - medium grey, some organics										1
		GRAVEL (gm) - well graded, sandy, trace of organics and silt										2
		SILT-SAND (sm-ml) - undifferentiated										3
		END OF BOREHOLE at 3.5m										4
												5
												6
												7
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												48
												49

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.4m
 ORIGINAL BOREHOLE NUMBER - 113-W-4

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G113W4

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-860 N7712100 E471000 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2			SPECIAL TESTS	UNIT	DEPTH (ft)	
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO. Q											
0		SILT (ml) - grey, trace of fine gravel and coarse sand at 1.5m	UNFROZEN								0	
1												1
2		GRAVEL-SAND (gm) - medium to fine grained, trace of organics and silt										2
3												3
4		SILT (ml) - medium grey, clayey									4	
5		END OF BOREHOLE at 4.5m									5	
6											6	
7											7	
8											8	
9											9	
10											10	
11											11	
12											12	
13											13	
14											14	
15											15	

DRILL RIG - HELI DRILL DRILLED FROM ICE WATER DEPTH - 2.4m ORIGINAL BOREHOLE NUMBER - 113-W-5	SAMPLE TYPE THIN W. TUBE NO RECOVERY SPLIT SPOON PISTON CORE GRAB	EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER	BOREHOLE NUMBER G113W5
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712100 E471100 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT-SAND (ml-sm) - fine grained, overburden	UNFROZEN								0
1												1
2			GRAVEL (gm) - medium grey brown									2
3			SAND-SILT (sm-ml) - undifferentiated									3
4			END OF BOREHOLE at 3.4m									4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
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												41
												42
												43
												44
												45
												46
												47
												48
												49

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.4m
 ORIGINAL BOREHOLE NUMBER - 113-W-6

SAMPLE TYPE

☐ THIN W. TUBE

☐ NO RECOVERY

☐ SPLIT SPOON

☐ PISTON

☐ CORE

☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1113W6

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712100 E471200 ZB									
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)	
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
0			SAND-SILT (sm-mi) - medium grey brown, undifferentiated	UNFROZEN		1.4	1.6	1.8	2			0	
1												1	
2			GRAVEL (gm) - grey brown									2	
3			SAND-SILT (sm-mi) - undifferentiated									3	
4			END OF BOREHOLE at 3.2m									4	
5												5	
6												6	
7												7	
8												8	
9												9	
10												10	
11												11	
12												12	
13												13	
14												14	
15												15	
DRILL RIG - HELI DRILL DRILLED FROM ICE WATER DEPTH - 2.3m ORIGINAL BOREHOLE NUMBER - 113-W-7				SAMPLE TYPE THIN W. TUBE NO RECOVERY SPLIT SPOON PISTON CORE GRAB				EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER				BOREHOLE NUMBER GI113W7	

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND
IMPERIAL OIL LIMITED

EBA # E-660
N7712100 E471300 Z8

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				SILT-SAND (ml-sm) - fine, undifferentiated	UNFROZEN								0
1													1
2				GRAVEL (gm) - medium to fine									2
3				SAND-SILT (sm-ml) - undifferentiated									3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11				END OF BOREHOLE at 3.1m									11
12													12
13													13
14													14
15													15

DRILL RIG - HELI DRILL
DRILLED FROM ICE
WATER DEPTH - 2.3m
ORIGINAL BOREHOLE NUMBER - 113-W-8

SAMPLE TYPE
☐ THIN W. TUBE ☐ PISTON
☐ NO RECOVERY ☐ CORE
☐ SPLIT SPOON ☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
GI113W8

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712100 E471400 ZB													
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲								SPECIAL TESTS	UNIT	DEPTH (ft)	
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT(s)		LIQUID LIMIT								
			SILT-SAND (ml-sm) - fine, undifferentiated overburden	UNFROZEN		20	40	60	80							0	
																1	
																2	
																3	
			GRAVEL (gm) - fine to medium grained, medium grey brown													4	
			SILT-SAND (ml-sm) - fine													5	
																6	
																7	
																8	
																9	
																10	
			END OF BOREHOLE at 3.4m													11	
																12	
																13	
																14	
																15	
																16	
																17	
																18	
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																48	
																49	

DRILL RIG - HELI DRILL
DRILLED FROM ICE
WATER DEPTH - 2.3m
ORIGINAL BOREHOLE NUMBER - 113-W-9

SAMPLE TYPE

THIN W. TUBE

NO RECOVERY

SPLIT SPOON

PISTON

CORE

GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA

DRAWING NUMBER

BOREHOLE NUMBER
GI113W9

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712100 E471500 Z8		Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO. Q											
0		SILT-SAND (ml-sm) - fine, undifferentiated, overburden	UNFROZEN									0
1		GRAVEL (gm) - medium to fine										1
2		SAND-SILT (sm-ml) - medium grey brown, undifferentiated										2
3		END OF BOREHOLE @ 3.1m										3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
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DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.3m
 ORIGINAL BOREHOLE NUMBER - 113-W-10

SAMPLE TYPE

☐ THIN W. TUBE

☐ NO RECOVERY

☐ SPLIT SPOON

☐ PISTON

☐ CORE

☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G13W10

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712100 E471683 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT-SAND (ml-sm) - fine, undifferentiated, overburden	UNFROZEN								0
1			GRAVEL (gm) - medium to fine									1
2			SILT-SAND (ml-sm) - undifferentiated, fine									2
3												3
4			END OF BOREHOLE at 3.4m									4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
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40												40
41												41
42												42
43												43
44												44
45												45
46												46
47												47
48												48
49												49

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.1m
 ORIGINAL BOREHOLE NUMBER - 113-W(10+600)

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G13W10A

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED					EBA # E-660 N7712000 E470600 ZB								
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)	
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
0			SILT-SAND (ml-sm) - fine, undifferentiated, overburden	UNFROZEN								0	
1													1
2													2
3			GRAVEL (gm) - medium grey brown, fine to medium									3	
4			SAND-SILT (sm-ml) - undifferentiated									4	
5												5	
6												6	
7			END OF BOREHOLE at 6.4m									7	
8												8	
9												9	
10												10	
11												11	
12												12	
13												13	
14												14	
15												15	

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.1m
 ORIGINAL BOREHOLE NUMBER - 113-X-1

SAMPLE TYPE			
	THIN W. TUBE		PISTON
	NO RECOVERY		CORE
	SPLIT SPOON		GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA

BOREHOLE NUMBER
 G113X1

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND
IMPERIAL OIL LIMITED

EBA # E-660
N7712000 E470700 ZB

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				SILT-SAND (ml-sm) - very fine, undifferentiated, overburden	UNFROZEN		20	40	60	80			0
1													1
2													2
3				GRAVEL (gm) - medium grey brown, fine to medium									3
4				SAND-SILT (sm-mi) - undifferentiated									4
5				END OF BOREHOLE at 4.9m									5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
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													46
													47
													48
													49

DRILL RIG - HELI DRILL
DRILLED FROM ICE
WATER DEPTH - 2.1m
ORIGINAL BOREHOLE NUMBER - 113-X-2

SAMPLE TYPE
☐ THIN W. TUBE ☐ PISTON
☐ NO RECOVERY ☐ CORE
☐ SPLIT SPOON ☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
G1113X2

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712000 E470800 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2			SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT			
TYP	NO.	Q									
0			SILT-SAND (ml-sm) - very fine, undifferentiated	UNFROZEN							0
1											1
2											2
3											3
4											4
5											5
6											6
7											7
8											8
9											9
10											10
11											11
12											12
13											13
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40											40
41											41
42											42
43											43
44											44
45											45
46											46
47											47
48											48
49											49

DRILL RIG - HELI DRILL DRILLED FROM ICE WATER DEPTH - 2.1 ORIGINAL BOREHOLE NUMBER - 113-X-3	SAMPLE TYPE ☐ THIN W. TUBE ☐ PISTON ☐ NO RECOVERY ☐ CORE ☐ SPLIT SPOON ☐ GRAB	EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER	BOREHOLE NUMBER G1113X3
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712000 E470900 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (m)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT-SAND (ml-sm) - fine, undifferentiated, overburden	UNFROZEN								0
1												1
2												2
3			GRAVEL (gm) - medium grey brown, medium to fine grained									3
4			SAND-SILT (sm-mi) - undifferentiated									4
5			END OF BOREHOLE at 4.9m									5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
15												15

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.4m
 ORIGINAL BOREHOLE NUMBER - 113-X-4

SAMPLE TYPE

THIN W. TUBE

NO RECOVERY

SPLIT SPOON

PISTON

CORE

GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G113X4

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712000 E471000 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT-SAND (ml-sm) - fine, undifferentiated, overburden	UNFROZEN								0
1												1
2												2
3			GRAVEL (gm) - medium grey brown, fine grained									3
4			SAND-SILT (sm-ml) - undifferentiated									4
5			END OF BOREHOLE at 4.6m									5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
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43												43
44												44
45												45
46												46
47												47
48												48
49												49

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.3m
 ORIGINAL BOREHOLE NUMBER - 113-X-5

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 GI113X5

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA / E-680 N7712000 E471100 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT-SAND (ml-sm) - fine, undifferentiated, overburden	UNFROZEN								0
1												1
2												2
3			GRAVEL (gm) - medium grey brown, fine to medium grained									3
4			SAND-SILT (sm-ml) - undifferentiated									4
5			END OF BOREHOLE at 4.3m									5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
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45												45
46												46
47												47
48												48
49												49

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.3m
 ORIGINAL BOREHOLE NUMBER - 113-X-6

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1113X6

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712000 E471200 Z8		Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT-SAND (ml-sm) - fine, undifferentiated, overburden	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
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48												48
49												49

DRILL RIG - HELI DRILL DRILLED FROM ICE WATER DEPTH - 2.3m ORIGINAL BOREHOLE NUMBER - 113-X-7	SAMPLE TYPE ☐ THIN W. TUBE ☐ PISTON ☐ NO RECOVERY ☐ CORE ☐ SPLIT SPOON ☐ GRAB	EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER	BOREHOLE NUMBER G1113X7
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712000 E471300 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT-SAND (ml-sm) - fine, undifferentiated, overburden	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
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47												47
48												48
49												49

DRILL RIG - HELI DRILL DRILLED FROM ICE WATER DEPTH - 2.1m ORIGINAL BOREHOLE NUMBER - 113-X-8	SAMPLE TYPE ☐ THIN W. TUBE ☐ PISTON ☐ NO RECOVERY ☐ CORE ☐ SPLIT SPOON ☐ GRAB	EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER	BOREHOLE NUMBER G113XB
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712000 E471400 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT-SAND (ml-sm) - fine grained, undifferentiated, overburden	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
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47												47
48												48
49												49

DRILL RIG - HELI DRILL DRILLED FROM ICE WATER DEPTH - 2.0m ORIGINAL BOREHOLE NUMBER - 113-X-9	SAMPLE TYPE THIN W. TUBE NO RECOVERY SPLIT SPOON PISTON CORE GRAB	EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER	BOREHOLE NUMBER G1113X9
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712000 E471500 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2						SPECIAL TESTS		UNIT		
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT(%)	LIQUID LIMIT								
TYP	NO.	Q														
0				SILT-SAND (ml-sm) - fine, undifferentiated, overburden	UNFROZEN											
1																
2				GRAVEL (gm) - medium grey brown, fine												
3				SAND-SILT (sm-ml) - undifferentiated												
4																
5																
6																
7				END OF BOREHOLE at 6.5m												
8																
9																
10																
11																
12																
13																
14																
15																

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.1m
 ORIGINAL BOREHOLE NUMBER - 113-X-10

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☒ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G113X10

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712000 E471600 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT-SAND (ml-sm) - fine grained, undifferentiated, overburden	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
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DRILL RIG - HELI DRILL DRILLED FROM ICE WATER DEPTH - 2.1m ORIGINAL BOREHOLE NUMBER - 113-X-11	SAMPLE TYPE ☐ THIN W. TUBE ☐ PISTON ☐ NO RECOVERY ☐ CORE ☐ SPLIT SPOON ☐ GRAB	EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER	BOREHOLE NUMBER G113X11
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7712000 E471800 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT-SAND (ml-sm) - very fine grained, undifferentiated, overburden	UNFROZEN								0
1												1
2			GRAVEL (gm) - fine, medium grey brown SAND-SILT (sm-ml) - undifferentiated									2
3												3
4												4
5			END OF BOREHOLE at 4.9m									5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
15												15

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.1m
 ORIGINAL BOREHOLE NUMBER - 113-X-12

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G113X12

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA / E-660 N7711900 E470800 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT-SAND (ml-sm) - medium grey brown, undifferentiated	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
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48												48
49												49

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.4m
 ORIGINAL BOREHOLE NUMBER - 113-Y-3

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1113Y3

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-860 N7711900 E470900 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT-SAND (ml-sm) - medium grey brown, undifferentiated	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
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42												42
43												43
44												44
45												45
46												46
47												47
48												48
49												49

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.4m
 ORIGINAL BOREHOLE NUMBER - 113-Y-4

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1113Y4

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA / E-860 N7711900 E471000 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT-SAND (ml-sm) - medium grey brown, undifferentiated	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
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42												42
43												43
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47												47
48												48
49												49

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.3m
 ORIGINAL BOREHOLE NUMBER - 113-Y-5

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE
 NUMBER
 G113Y5

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7711900 E471100 ZB		Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)		
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT WATER CONTENT (%) LIQUID LIMIT								
TYP	NO.	Q				20	40	60	80					
0			SAND-SILT (sm-mi) - medium grey brown, undifferentiated	UNFROZEN								0		
1														1
2														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11			END OF BOREHOLE at 3.4m									11		
12														12
13														13
14														14
15														15
16														16
17														17
18														18
19														19
20														20
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44														44
45														45
46														46
47														47
48														48
49														49

DRILL RIG - HELI DRILL
 DRILLED FROM ICE
 WATER DEPTH - 2.15m
 ORIGINAL BOREHOLE NUMBER - 113-Y-6

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1113Y6

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7713242 E472109 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - trace of clay, none to low plasticity, wet to saturated, very loose	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
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39												39
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42												42
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44												44
45												45
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47												47
48												48
49												49

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 2.6m
 ORIGINAL BOREHOLE NUMBER - 114

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1114

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7713318 E473088 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - wet, loose, dark grey	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
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39												39
40												40
41												41
42												42
43												43
44												44
45												45
46												46
47												47
48												48
49												49

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 2.7m
 ORIGINAL BOREHOLE NUMBER - 115

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1115

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7711573 E472970 Z8		Bulk Density Mg/m^3 ▲			SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO. Q										
0											0
1		SILT (ml) - moist, layered, trace of organics, dark brown	FROZEN								1
2			UNFROZEN								2
3											3
4		END OF BOREHOLE at 3.7m									4
5											5
6											6
7											7
8											8
9											9
10											10
11											11
12											12
13											13
14											14
15											15

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 1.54m
 ORIGINAL BOREHOLE NUMBER - 116B

SAMPLE TYPE

THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON

PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 GI116B

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7715270 E473061 ZB		Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO.	Q											
0			SILT (ML) - wet to saturated, loose to very loose, dark grey	UNFROZEN								0	
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
			END OF BOREHOLE at 5.2m										16
												17	
												18	
												19	
												20	
												21	
												22	
												23	
												24	
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												48	
												49	

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 3.0m
 ORIGINAL BOREHOLE NUMBER - 117

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G117

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7713407 E475008 Z8		Bulk Density Mg/m ³ ▲			SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT			
TYP	NO.	Q									
0			SILT (ml) - loose, finely layered, wet to saturated	UNFROZEN							0
1											1
2											2
3											3
4											4
5											5
6											6
7											7
8											8
9											9
10											10
11											11
12											12
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44											44
45											45
46											46
47											47
48											48
49											49

DRILL RIG - MOBILE B-61 AUGER DRILLED FROM ICE WATER DEPTH - 2.7m ORIGINAL BOREHOLE NUMBER - 118	SAMPLE TYPE ☐ THIN W. TUBE ☐ PISTON ☐ NO RECOVERY ☐ CORE ☐ SPLIT SPOON ☐ GRAB	EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER	BOREHOLE NUMBER G1118
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7713533 E476991 Z8		Bulk Density Mg/m ³ ▲			SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT			
TYP	NO.	Q									
0			SILT (ml) - loose to very loose, wet to saturated, dark grey	UNFROZEN							0
1											1
2											2
3											3
4											4
5											5
6											6
7											7
8											8
9											9
10											10
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43											43
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49											49

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 2.7m
 ORIGINAL BOREHOLE NUMBER - 119

SAMPLE TYPE

THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON

PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 GI119

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7713637 E479054 ZB		Bulk Density Mg/m ³ ▲					SPECIAL TESTS	UNIT	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT WATER CONTENT(%) LIQUID LIMIT							
TYP	NO.	Q				1.4	1.6	1.8	2.0				
0			SILT (ml) - very loose, saturated, dark grey	UNFROZEN									0
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
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43													43
44													44
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47													47
48													48
49													49

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 2.9m
 ORIGINAL BOREHOLE NUMBER - 120

SAMPLE TYPE

THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON

PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 GI120

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7713675 E480047 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)																																																																																										
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT																																																																																														
TYP	NO.	Q																																																																																																				
0			SILT (ml) - loose to very loose, wet to saturated, slight trace of clay, dark grey	UNFROZEN								0																																																																																										
1												END OF BOREHOLE at 3.8									1																																																																																	
2																					END OF BOREHOLE at 3.8									2																																																																								
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DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 2.9m
 ORIGINAL BOREHOLE NUMBER - 121

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 G1121

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - GARRY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7711685 E480148 Z8													
SAMPLE			SOIL DESCRIPTION			GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2 PLASTIC LIMIT WATER CONTENT (%) LIQUID LIMIT 20 40 60 80								SPECIAL TESTS	UNIT
TYP NO. Q																	
0			SILT (ml) - dark grey, moist to wet, loose to compact			UNFROZEN											
1																	
2																	
3																	
4			END OF BOREHOLE at 4.1m														
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

DEPTH (m)

0

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

DEPTH (ft)

0

1

2

3

4

5

6

7

8

9

10

11

12

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14

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DRILL RIG - MOBILE B-61 AUGER
DRILLED FROM ICE
WATER DEPTH - 2.6m
ORIGINAL BOREHOLE NUMBER - 122

SAMPLE TYPE

THIN W. TUBE

NO RECOVERY

SPLIT SPOON

PISTON

CORE

GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA

DRAWING NUMBER

BOREHOLE NUMBER
G1122

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - NETSERK IMPERIAL OIL LIMITED				EBA # E-660 N7714131 E466727 ZB		Bulk Density Mg/m ³ ▲					SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO.	Q											
0				SILT (ml) - very loose, saturated, dark grey	UNFROZEN								0
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
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42													42
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47													47
48													48
49													49

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 3.7m
 ORIGINAL BOREHOLE NUMBER - 201

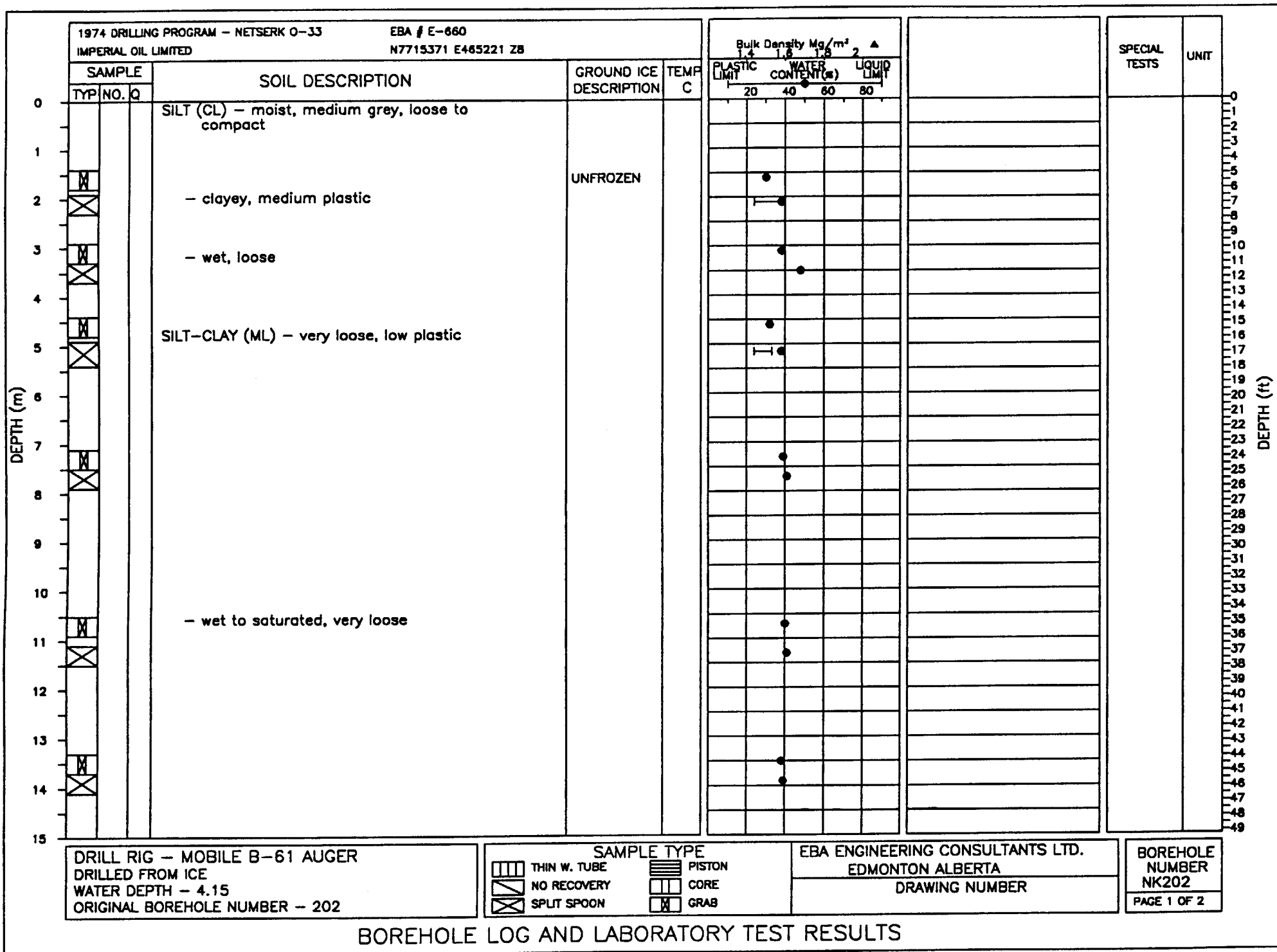
SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 NK201

BOREHOLE LOG AND LABORATORY TEST RESULTS



1974 DRILLING PROGRAM - NETSERK O-33

IMPERIAL OIL LIMITED

EBA # E-660

N7715371 E465221 Z8

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
15				SILT-CLAY (ML) - (cont'd)									50
16													51
17													52
18				SAND (SM) - uniform, fine, saturated, compact, dark grey									53
19				SILT-CLAY (ml) (TILL) - compact, moist, some fine to coarse gravel and clean sand lenses									54
20				END OF BOREHOLE at 20.5m	UNFROZEN								55
21													56
22													57
23													58
24													59
25													60
26													61
27													62
28													63
29													64
30													65
													66
													67
													68
													69
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													73
													74
													75
													76
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													87
													88
													89
													90
													91
													92
													93
													94
													95
													96
													97
													98

DRILL RIG - MOBILE B-61 AUGER

DRILLED FROM ICE

WATER DEPTH - 4.15

ORIGINAL BOREHOLE NUMBER - 202

SAMPLE TYPE

THIN W. TUBE

NO RECOVERY

SPLIT SPOON

PISTON

CORE

GRAB

EBA ENGINEERING CONSULTANTS LTD.

EDMONTON ALBERTA

DRAWING NUMBER

BOREHOLE NUMBER NK202

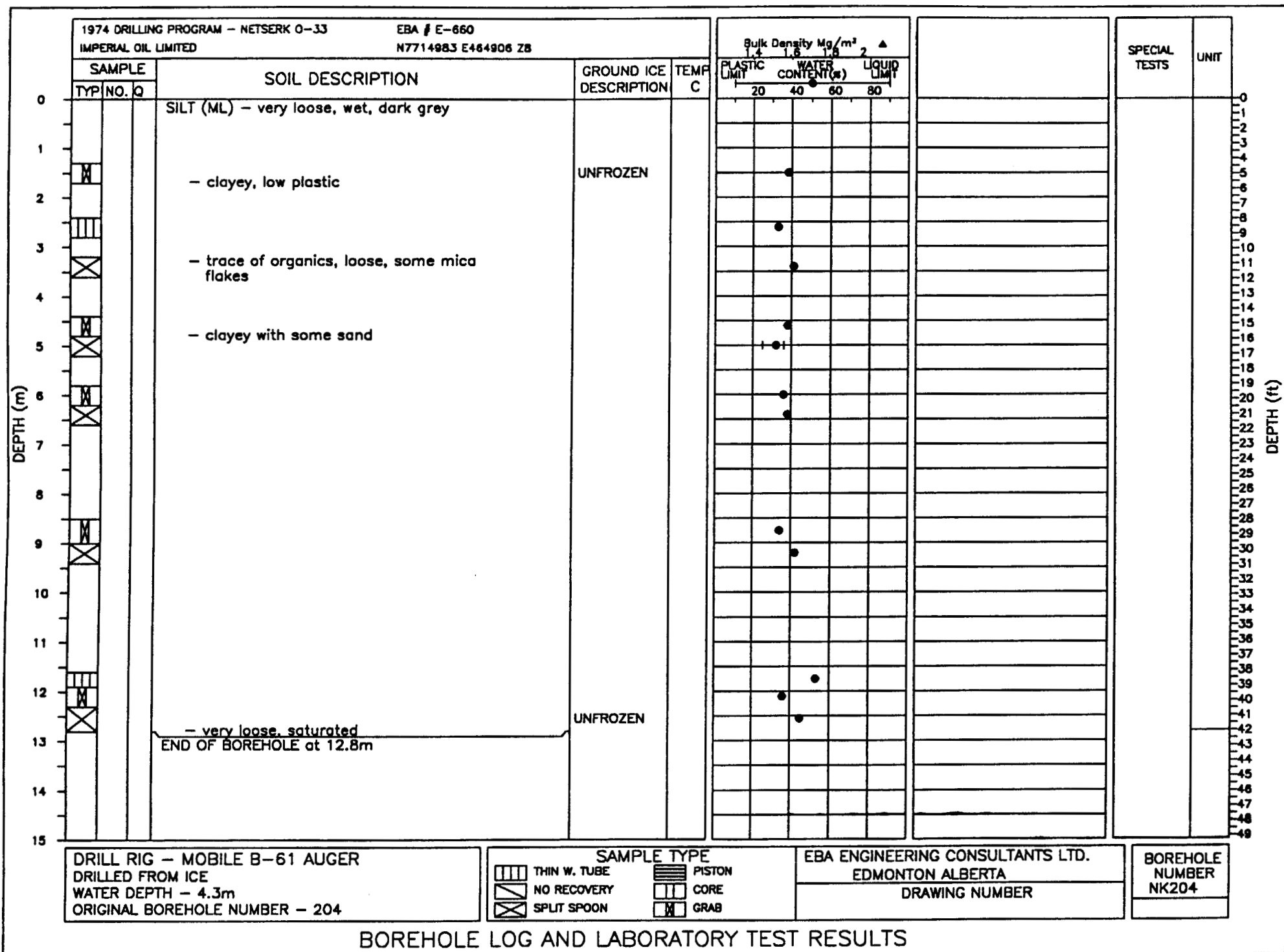
PAGE 2 OF 2

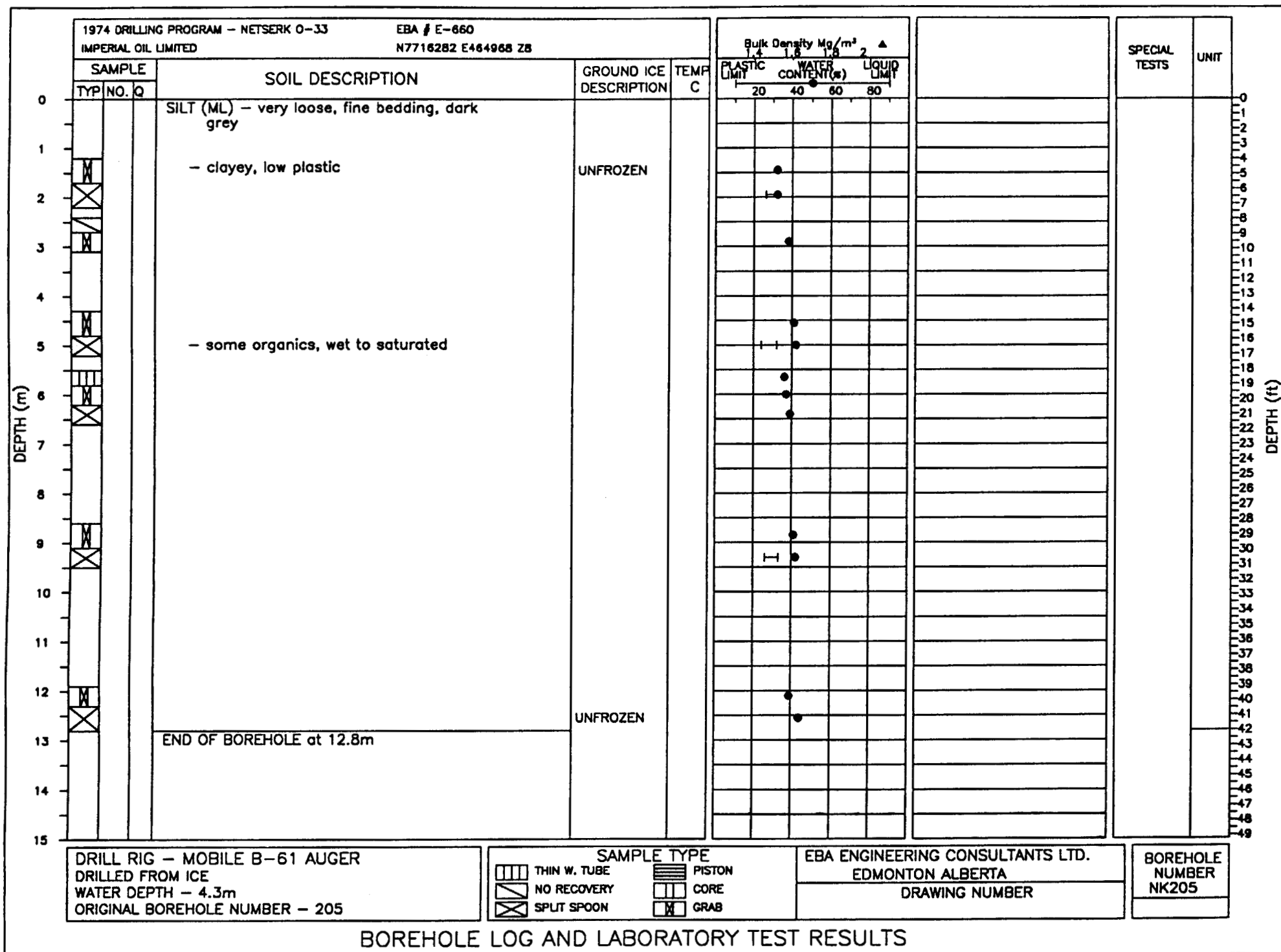
BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - NETSERK O-33				EBA # E-660											
IMPERIAL OIL LIMITED				N7715759 E415536 Z5											
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲			SPECIAL TESTS	UNIT	DEPTH (ft)				
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT							
			SILT (ml) - trace of clay, very loose, saturated, black								0				
			- medium grey	UNFROZEN							1				
											2				
											3				
											4				
											5				
			- low plastic								6				
											7				
											8				
											9				
											10				
											11				
											12				
											13				
											14				
											15				
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											22				
											23				
											24				
											25				
											26				
											27				
											28				
											29				
			- trace of fine sand, moist, crumbly								30				
											31				
											32				
											33				
											34				
											35				
											36				
											37				
											38				
											39				
			- trace of clay wet to saturated	UNFROZEN							40				
											41				
											42				
			END OF BOREHOLE at 12.8m								43				
											44				
											45				
											46				
											47				
											48				
											49				

DRILL RIG - MOBILE B-61 AUGER DRILLED FROM ICE WATER DEPTH - 4.3m ORIGINAL BOREHOLE NUMBER - 203	SAMPLE TYPE THIN W. TUBE NO RECOVERY SPLIT SPOON PISTON CORE GRAB	EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA	BOREHOLE NUMBER NK203
		DRAWING NUMBER	

BOREHOLE LOG AND LABORATORY TEST RESULTS





1974 DRILLING PROGRAM - NETSERK O-33				EBA # E-660											
IMPERIAL OIL LIMITED				N7717193 E464715 ZB											
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲					SPECIAL TESTS	UNIT	DEPTH (ft)		
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT							
0			SILT (ml) - moist, organic layers, wet non plastic, medium grey										0		
1													1		
2			- clayey silt, low plastic	UNFROZEN									2		
3													3		
4													4		
5													5		
6													6		
7													7		
8													8		
9			- non plastic										9		
10													10		
11													11		
12													12		
13													13		
14													14		
15			SILT-CLAY (CL) - very micaceous, low plastic										15		

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 4.3m
 ORIGINAL BOREHOLE NUMBER - 206

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 NK206
 PAGE 1 OF 2

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - NETSERK O-33 IMPERIAL OIL LIMITED				EBA # E-660 N7717193 E464715 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0					SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT WATER CONTENT (%) LIQUID LIMIT							
TYP	NO.	Q				20	40	60	80				
M			SILT-CLAY (CL) - (cont'd)										50
													51
													52
													53
													54
													55
													56
													57
													58
													59
			- wet, non plastic, black organic layers, medium grey										60
			- medium plastic										61
			END OF BOREHOLE at 19.2m										62
													63
													64
													65
													66
													67
													68
													69
													70
													71
													72
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													96
													97
													98

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 4.3m
 ORIGINAL BOREHOLE NUMBER - 206

SAMPLE TYPE	
THIN W. TUBE PISTON	CORE GRAB
NO RECOVERY SPLIT SPOON	

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 NK206
 PAGE 2 OF 2

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - NETSERK O-33 IMPERIAL OIL LIMITED				EBA # E-660 N7717550 E465065 ZB		Bulk Density Mg/m³ ▲ 1.4 1.6 1.8 2.0 PLASTIC LIMIT 20 40 60 80 WATER CONTENT (%) 20 40 60 80 LIQUID LIMIT 20 40 60 80			SPECIAL TESTS	UNIT												
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C																		
DEPTH (m)		TYP	NO.	Q																		
0					SILT (ML) - very loose, moist, some layering, some mica flakes, medium plastic			UNFROZEN														
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9					- medium to dark grey, clayey, low plastic (CL)																	
10																						
11																						
12					END OF BOREHOLE 11.7m			UNFROZEN														
13																						
14																						
15																						

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 4.6m
 ORIGINAL BOREHOLE NUMBER - 207

SAMPLE TYPE	
THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 NK207

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - NETSERK 0-33 IMPERIAL OIL LIMITED				EBA # E-660 N7716836 E484364 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0				SPECIAL TESTS	UNIT
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO. Q										
0											0
1	X										1
2	X										2
3											3
4	X										4
5	X										5
6	X										6
7											7
8	X										8
9											9
10											10
11	X										11
12											12
13											13
14											14
15											15

DRILL RIG - MOBILE B-61 AUGER DRILLED FROM ICE WATER DEPTH - 4.6m ORIGINAL BOREHOLE NUMBER - 208	SAMPLE TYPE THIN W. TUBE NO RECOVERY SPLIT SPOON PISTON CORE GRAB	EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER	BOREHOLE NUMBER NK208
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - NETSERK IMPERIAL OIL LIMITED				EBA # E-660 N7722147 E465398 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0				SPECIAL TESTS	UNIT	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - wet, loose to compact, dark grey	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
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DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 5.8m
 ORIGINAL BOREHOLE NUMBER - 209

SAMPLE TYPE

THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON

PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 NK209

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM NETSERK NORTH E-30 IMPERIAL OIL LIMITED				EBA # E-660 N7727040 E466141 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0				SPECIAL TESTS	UNIT					
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT								
TYP	NO.	Q														
0			SILT (ML) - very loose, moist to wet, trace of clay, some mica flakes, medium grey, low plastic	UNFROZEN							0					
1																1
2																2
3	X															3
4																4
5																5
6	X															6
7																7
8																8
9																9
10																10
11	X															11
12			- moist, trace of very fine sand lenses, low plastic	UNFROZEN							12					
13																13
14																14
15																15
16																16
17																17
18																18
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97											97					
98											98					
99											99					
100											100					

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 7.2m
 ORIGINAL BOREHOLE NUMBERS - 210

SAMPLE TYPE

THIN W. TUBE

NO RECOVERY

SPLIT SPOON

PISTON

CORE

GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 NK210

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM NETSERK NORTH E-30 IMPERIAL OIL LIMITED				EBA # E-660 N7727540 E466141 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0			PLASTIC LIMIT WATER CONTENT (%) LIQUID LIMIT 20 40 60 80			SPECIAL TESTS	UNIT			
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C											
0	TYP	NO. Q														
0			SILT-CLAY (ml-CL) -very loose, moist, trace of organics, fine layering, dark grey, low plastic	UNFROZEN												
1																
2																
3			- no organics, some sand													
4			SILT (ml) - trace of clay													
5																
6																
7			- trace of organics, wet													
8																
9																
10																
11																
12			SAND-SILT (ML) - very fine sand, compact to sandy, non plastic													
13																
14																
15																

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 7.3m
 ORIGINAL BOREHOLE NUMBERS - 211

SAMPLE TYPE	
THIN W. TUBE NO RECOVERY SPLIT SPOON PISTON CORE GRAB	

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 NK211
 PAGE 1 OF 2

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM NETSERK NORTH E-30 IMPERIAL OIL LIMITED				EBA # E-660 N7727540 E466141 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)		
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT							
TYP	NO. Q													
15	III	SILT (ml) - trace of clay, organic layers, moist, compact, dark grey to black										50		
16														51
17														52
18														53
19														54
20														55
21														56
22														57
23														58
24														59
25														60
26														61
27														62
28														63
29														64
30											65			
	X	END OF BOREHOLE at 20.3m	UNFROZEN									66		
												67		
												68		
												69		
												70		
												71		
												72		
												73		
												74		
												75		
												76		
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												96		
												97		
												98		

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 7.3m
 ORIGINAL BOREHOLE NUMBERS - 211

SAMPLE TYPE

THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON

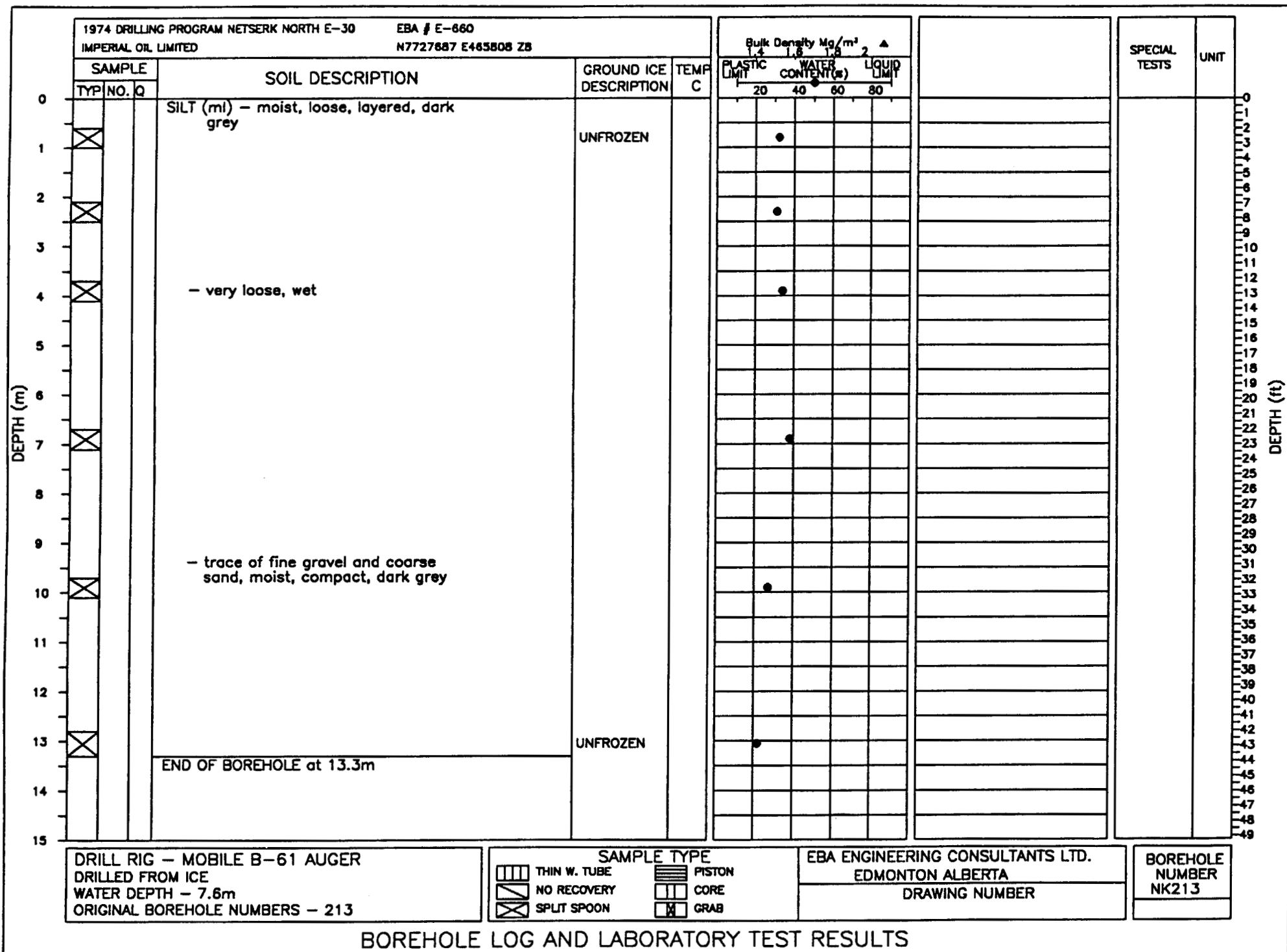
PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 NK211
 PAGE 2 OF 2

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM NETSERK NORTH E-30 IMPERIAL OIL LIMITED				EBA # E-660 N7727540 E466641 ZB										
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)		
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT						
0			No Recovery	UNFROZEN								0		
1													1	
2													2	
3			SILT-CLAY (CL) - trace of clay, layered, moist, dark grey, medium plastic, very soft										3	
4													4	
5													5	
6			- trace of organics and trace of sand										6	
7													7	
8													8	
9													9	
10													10	
11													11	
12													12	
13				UNFROZEN								13		
14			END OF BOREHOLE at 13.4m										14	
15													15	
DRILL RIG - MOBILE B-61 AUGER DRILLED FROM ICE WATER DEPTH - 7.5m ORIGINAL BOREHOLE NUMBERS - 212					SAMPLE TYPE THIN W. TUBE NO RECOVERY SPLIT SPOON PISTON CORE GRAB				EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER				BOREHOLE NUMBER NK212	
BOREHOLE LOG AND LABORATORY TEST RESULTS														



1974 DRILLING PROGRAM - ISSIGAK IMPERIAL OIL LIMITED				EBA # E-660 N7733554 E463894 ZB		Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - wet, loose, trace of organics	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
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DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 9.1m
 ORIGINAL BOREHOLE NUMBER - 301

SAMPLE TYPE

THIN W. TUBE

NO RECOVERY

SPLIT SPOON

PISTON

CORE

GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 IK301

BOREHOLE LOG AND LABORATORY TEST RESULTS

EBA / E-660
N7739459 E462190 Z8

DEPTH (m)

DEPTH (ft)

SAMPLE TYPE			
	THIN W. TUBE		PISTON
	NO RECOVERY		CORE
	SPLIT SPOON		GRAB

BOREHOLE
NUMBER
IK302

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - ISSIGAK J-56 IMPERIAL OIL LIMITED				EBA # E-660 N7739961 E462192 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0 PLASTIC LIMIT WATER CONTENT(%) LIQUID LIMIT 20 40 60 80				SPECIAL TESTS	UNIT	DEPTH (ft)						
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C														
TYP	NO.				Q													
0			No Recovery	UNFROZEN												0		
1			CLAY (TILL) (cl) - silty, some fine to medium gravel, some sand, low plastic, stiff, horizontal shear planes														1	
2																		2
3																		3
4																		4
5			CLAY-SILT (CL) - trace of fine gravel, moist to hard, layered, medium plasticity, dark grey	UNFROZEN												5		
6			SILT (ml) - trace of clay, some gravel, moist, layered dark grey														6	
7																		7
8																		8
9																		9
10			CLAY-SILT (CL) - medium plastic, dark grey, moist, stiff														10	
11																		11
12			END OF BOREHOLE at 11.3m														12	
13																	13	
14																	14	
15																15		

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 12.6m
 ORIGINAL BOREHOLE NUMBER - 303

SAMPLE TYPE	
THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 IK303

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - ISSIGAK J-56 IMPERIAL OIL LIMITED				EBA # E-660 N7739963 E462703 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0			PLASTIC LIMIT WATER CONTENT (%) LIQUID LIMIT 20 40 60 80			SPECIAL TESTS	UNIT		
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C										
TYP	NO.	Q													
0			SILT-CLAY (CL) - some fine gravel, trace of organics, dry to moist, finely layered, compact - medium plastic			UNFROZEN									0
1															1
2	X														2
3	X		CLAY (CL) - silty, medium plastic, trace of shell fragments			UNFROZEN									3
4															4
5	X														5
6			- trace of fine gravel			UNFROZEN									6
7															7
8	X														8
9			SILT-CLAY (ml) - trace sand, compact			UNFROZEN									9
10	X														10
11															11
12			END OF BOREHOLE at 11.1m												12
13															13
14															14
15															15
16															16
17															17
18															18
19															19
20															20
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44			44												
45			45												
46			46												
47			47												
48			48												
49			49												

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 12.8m
 ORIGINAL BOREHOLE NUMBER - 304

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 IK304

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - ISSIGAK J-56				EBA / E-660									
IMPERIAL OIL LIMITED				N7739961 E461693 Z8									
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)	
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
			SILT (ml) - trace of fine gravel, wood fragments, wet, layered, dark grey, very loose	UNFROZEN								0	
													1
													2
													3
													4
													5
													6
													7
													8
													9
													10
			- clayey, some fine sand lenses, some organics, loose, moist to wet									11	
												12	
												13	
												14	
			- some sand, very fine, saturated, trace of organics									15	
												16	
												17	
			- trace of clay, moist, compact, layered, dark grey									18	
												19	
												20	
												21	
												22	
												23	
												24	
												25	
												26	
			- high plastic (CH)									27	
												28	
												29	
												30	
												31	
												32	
												33	
												34	
												35	
			- fissured, salt stains, compact, crumbly, moist, dark grey	UNFROZEN								36	
													37
			END OF BOREHOLE at 11.3m										38
													39
													40
													41
													42
													43
													44
													45
													46
												47	
												48	
												49	

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 12.6m
 ORIGINAL BOREHOLE NUMBER - 305

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 IK305

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - ISSIGAK IMPERIAL OIL LIMITED				EBA # E-660 N7740458 E462183 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SAND-SILT (sm) - layers of fine silty sand and silt, with a trace of clay, wet, compact	UNFROZEN								0
1												1
2	X											2
3	X		SILT (ml) - some clay, some fine gravel, compact	FROZEN V _x - V _s 5 - 20%								3
4	X											4
5	X		CLAY (CL)-SILT (ml) - trace of sand, medium plastic, soil generally unfrozen between lenses and around crystals	V _x - V _s 5 - 70%								5
6												6
7												7
8			- clayey, trace of fine to medium gravel, low plastic	V _x - V _s 5 - 50% lenses to 75mm								8
9												9
10			CLAY (CL) - silty, moist, dark grey, medium plastic	V _s - V _x 20% lenses to 38mm								10
11	X											11
12			END OF BOREHOLE at 11.2m									12
13												13
14												14
15												15

DRILL RIG - MOBILE B-61 AUGER DRILLED FROM ICE WATER DEPTH - 12.9m ORIGINAL BOREHOLE NUMBER - 306	SAMPLE TYPE THIN W. TUBE NO RECOVERY SPLIT SPOON PISTON CORE GRAB	EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER	BOREHOLE NUMBER IK306
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - ISSIGAK IMPERIAL OIL LIMITED				EBA # E-860 N7737854 E484238 Z8		Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			CLAY (TILL) (cl) - some fine to medium sand, firm, moist to wet, low plasticity, dark grey	UNFROZEN								0
1			- trace of sand and medium gravel									1
2												2
3												3
4			- no sand									4
5												5
6												6
7			END OF BOREHOLE at 7.2m									7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
15												15

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 8.7m
 ORIGINAL BOREHOLE NUMBER - 308

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 IK308

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - ISSIGAK IMPERIAL OIL LIMITED				EBA # E-660 N7738617 E467867 ZB		Bulk Density Mg/m ³ ▲					SPECIAL TESTS	UNIT		
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT WATER CONTENT(%) LIQUID LIMIT								
TYP	NO.	Q				1.4	1.6	1.8	2					
						20	40	60	80					
0			SILT (ml) - some sand	UNFROZEN									0	
			SILT-CLAY (ml) - non to low plastic, very soft, wet, dark grey, trace of sand and gravel											1
														2
														3
														4
														5
														6
														7
														8
														9
			CLAY (TILL) (cl) - some sand and trace of gravel, firm, wet, dark grey										10	
													11	
													12	
													13	
													14	
													15	
													16	
													17	
													18	
													19	
													20	
													21	
													22	
			END OF BOREHOLE at 7.0m										23	
													24	
													25	
													26	
													27	
													28	
													29	
													30	
													31	
													32	
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													48	
													49	

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 10.4m
 ORIGINAL BOREHOLE NUMBER - 312

SAMPLE TYPE

☐ THIN W. TUBE

☐ NO RECOVERY

☐ SPLIT SPOON

☐ PISTON

☐ CORE

☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 IK312

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - ISSIGAK IMPERIAL OIL LIMITED					EBA # E-660 N7739639 E469617 Z8					Bulk Density Mg/m ³ ▲ 1.4 1.8 2.2					SPECIAL TESTS	UNIT	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT									
TYP	NO.	Q															
0			SILT (ml) - very loose, saturated, some black organics, dark grey	UNFROZEN													0
1																	1
2																	2
3																	3
4																	4
5																	5
6																	6
7																	7
8																	8
9																	9
10																	10
11																	11
12																	12
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43																	43
44																	44
45																	45
46																	46
47																	47
48																	48
49																	49

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 11.6m
 ORIGINAL BOREHOLE NUMBER - 313

SAMPLE TYPE	
THIN W. TUBE NO RECOVERY SPLIT SPOON PISTON CORE GRAB	EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER BOREHOLE NUMBER IK313

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - ISSIGAK IMPERIAL OIL LIMITED				EBA # E-660 N7741298 E468495 Z8		Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT WATER CONTENT (%) LIQUID LIMIT							
TYP	NO.	Q				20	40	60	80				
0			SAND-GRAVEL (sm) - silty	UNFROZEN								0	
			CLAY (TILL) (cl) - silty, trace of medium gravel and sand, saturated										1
1			SILT (ml) - clayey, soft, wet, some organics, low plasticity										2
													3
2													4
													5
3			- trace of clay and organics										6
													7
4													8
5													9
			- some organics, shells, some coarse sand, moist, firm to stiff									10	
6												11	
7												12	
8			END OF BOREHOLE at 7.9m									13	
9												14	
10												15	
11												16	
12												17	
13												18	
14												19	
15												20	
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DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 12.6m
 ORIGINAL BOREHOLE NUMBER - 314

SAMPLE TYPE

☐ THIN W. TUBE

☐ NO RECOVERY

☐ SPLIT SPOON

☐ PISTON

☐ CORE

☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 IK314

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - ISSIGAK IMPERIAL OIL LIMITED				EBA # E-660 N7741714 E469155 Z8		Bulk Density Mg/m ³ ▲					SPECIAL TESTS	UNIT			
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT WATER CONTENT (%) LIQUID LIMIT									
TYP	NO.	Q				20	40	60	80						
0			SILT (ml) - trace of clay, dark grey, moist, loose to compact, trace of organics	UNFROZEN									0		
1															1
2															2
3															3
4															4
5															5
6			END OF BOREHOLE at 6.4m										6		
7															7
8															8
9															9
10															10
11															11
12															12
13															13
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												49			

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 12.5m
 ORIGINAL BOREHOLE NUMBER - 3148

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 IK3148

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PELLY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7715646 E477921 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2					SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO.	Q											
0			SILT (ml) - very loose, saturated, dark grey - trace of fine gravel and sand at 1.1m	UNFROZEN									0
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13			END OF BOREHOLE at 4.0m										13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
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47													47
48													48
49													49

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 2.7m
 ORIGINAL BOREHOLE NUMBER - 401

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PY401

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PELLY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7715890 E479039 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - dark grey, loose, wet	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
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47												47
48												48
49												49

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 2.6m
 ORIGINAL BOREHOLE NUMBER - 401B

SAMPLE TYPE

☐ THIN W. TUBE

☐ NO RECOVERY

☐ SPLIT SPOON

☐ PISTON

☐ CORE

☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PY401B

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PELLY ISLAND

IMPERIAL OIL LIMITED

EBA # E-660

N7718095 E478028 Z8

SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)	
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
						20	40	60	80				
			SILT (ml) - very loose, saturated dark grey	UNFROZEN								0	
													1
													2
													3
													4
													5
													6
													7
													8
													9
													10
													11
													12
													13
													14
			END OF BOREHOLE at 4.2m									15	
												16	
												17	
												18	
												19	
												20	
												21	
												22	
												23	
												24	
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												48	
												49	

DRILL RIG - MOBILE B-61 AUGER

DRILLED FROM ICE

WATER DEPTH - 2.6m

ORIGINAL BOREHOLE NUMBER - 401C

SAMPLE TYPE

THIN W. TUBE

NO RECOVERY

SPLIT SPOON

PISTON

CORE

GRAB

EBA ENGINEERING CONSULTANTS LTD.

EDMONTON ALBERTA

DRAWING NUMBER

BOREHOLE NUMBER

PY401C

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PELLY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7716479 E478015 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2					SPECIAL TESTS	UNIT	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT(%)	LIQUID LIMIT					
TYP	NO.	Q											
0			SILT-SAND (ml) - loose, dark grey	UNFROZEN								0	
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13			END OF BOREHOLE at 4.1m									13	
14												14	
15												15	
16												16	
17												17	
18												18	
19												19	
20												20	
21												21	
22												22	
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43												43	
44												44	
45												45	
46												46	
47												47	
48												48	
49												49	

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 2.6m
 ORIGINAL BOREHOLE NUMBER - 401E

SAMPLE TYPE

▨ THIN W. TUBE	▨ PISTON
▨ NO RECOVERY	▨ CORE
▨ SPLIT SPOON	▨ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PY401E

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PELLY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7716890 E478503 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - very loose, saturated, dark grey	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
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47												47
48												48
49												49

DRILL RIG - MOBILE B-61 AUGER DRILLED FROM ICE WATER DEPTH - 2.7m ORIGINAL BOREHOLE NUMBER - 402	SAMPLE TYPE ☐ THIN W. TUBE ☐ PISTON ☐ NO RECOVERY ☐ CORE ☐ SPLIT SPOON ☐ GRAB	EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER	BOREHOLE NUMBER PY402
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PELLY ISLAND IMPERIAL OIL LIMITED					EBA # E-660 N7718193 E474972 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
DEPTH (m)	SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
	TYP	NO. Q											
0			SILT (ml) - very loose, saturated, dark grey	UNFROZEN									0
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
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47													47
48													48
49													49

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 3.5m
 ORIGINAL BOREHOLE NUMBER - 403

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☒ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PY403

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PELLY ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7717371 E474403 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0					SPECIAL TESTS	UNIT	DEPTH (ft)		
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT							
TYP	NO.	Q													
0			SILT (ml) - very loose to loose, wet to saturated, dark grey	UNFROZEN									0		
1															1
2															2
3															3
4															4
5															5
6															6
7															7
8															8
9															9
10															10
11															11
12															12
13															13
14															14
15			END OF BOREHOLE at 4.9m										15		
															16
															17
															18
															19
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DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 3.4m
 ORIGINAL BOREHOLE NUMBER - 404

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PY404

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7739290 E524590 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - moist, very loose, trace of organics, dark grey	UNFROZEN								0
1												1
2												2
3			- very organic, trace of fine to coarse gravel									3
4				FROZEN, Nbe								4
5			END OF BOREHOLE at 5.0m	Vx 50%								5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
15												15

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 1.7m
 ORIGINAL BOREHOLE NUMBER - 700

SAMPLE TYPE

☐ THIN W. TUBE

☐ NO RECOVERY

☐ SPLIT SPOON

☐ PISTON

☐ CORE

☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN700

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738445 E524145 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2			SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT			
TYP	NO.	Q									
0			SAND-GRAVEL (GW) - fine to coarse sand, fine to medium gravel, well graded	SEASONALLY FROZEN							0
1											1
2			SAND (sm) - trace of fine gravel	UNFROZEN							2
3			SILT (ml) - medium grey, dry and hard								3
4											4
5			SAND (SM) - fine grained, uniform, wet, some silt	UNFROZEN							5
6			END OF BOREHOLE at 5.9m								6
7											7
8											8
9											9
10											10
11											11
12											12
13											13
14											14
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47											47
48											48
49											49

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 1.4m
 ORIGINAL BOREHOLE NUMBER - 701

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN701

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738800 E524490 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)	
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT						
TYP	NO. Q												
0		SAND (sm) - light grey brown, medium grained	FROZEN									0	
1		GRAVEL (gm) - trace of medium grained gravel											1
2		SILT-SAND (ml) - medium grey brown silt, very slight trace of sand											2
3		END OF BOREHOLE at 3.2m											3
4												4	
5												5	
6												6	
7												7	
8												8	
9												9	
10												10	
11												11	
12												12	
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												48	
												49	

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 1.1m
 ORIGINAL BOREHOLE NUMBER - 702

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN702

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7739160 E524840 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYPE	NO.	Q										
0			SILT (ml) - sandy, dark grey, very fine, wet, loose with a trace of organics and fine sand	UNFROZEN								0
1			SAND (sm) - very fine, dark grey, silty, saturated, loose, trace of organics									1
2			SILT (ml) - some fine sand, very wet, loose, dark grey									2
3			SAND (sm) - silty, very fine saturated, loose									3
4			SILT (ml) - dark grey, wet, loose, trace of organics									4
5			END OF BOREHOLE at 5.0m									5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
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47												47
48												48
49												49

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 1.7m
 ORIGINAL BOREHOLE NUMBER - 703

SAMPLE TYPE

THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON

PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN703

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7739515 E525190 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2					SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT 20	WATER CONTENT (%) 40	LIQUID LIMIT 60 80					
TYP	NO.	Q											
0			SILT (ml) - dark grey, some fine sand, wet										0
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
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47													47
48													48
49													49

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 1.7m
 ORIGINAL BOREHOLE NUMBER - 704

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA

DRAWING NUMBER

BOREHOLE
 NUMBER
 PLN704

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7739870 E525540 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2						SPECIAL TESTS	UNIT			
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT(%)	LIQUID LIMIT								
TYP	NO.	Q														
0			SILT (ml) - some very fine sand, saturated, dark grey. loose	UNFROZEN										0		
1																1
2																2
3																3
4			SAND (sm) - trace of silt, fine to medium, saturated, dark grey											4		
5																5
6																6
7																7
8			SILT (ml) - some very fine sand, moist to wet, saturated to compact											8		
9																9
10																10
11																11
12			END OF BOREHOLE at 8.1m											12		
13																13
14																14
15																15
16														16		
17														17		
18														18		
19														19		
20														20		
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46														46		
47														47		
48														48		
49														49		

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 1.7m
 ORIGINAL BOREHOLE NUMBER - 705

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE
 NUMBER
 PLN705

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738715 E524745 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2			SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO. Q										
0		SAND (SM) - medium brown grey, slightly silty, uniform, saturated	SEASONALLY FROZEN								0
1											1
2		- some silt and clay	UNFROZEN								2
3											3
4											4
5											5
6		- silty									6
7		END OF BOREHOLE at 7.2m									7
8											8
9											9
10											10
11											11
12											12
13											13
14											14
15											15
16											16
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48											48
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DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 1.1m
 ORIGINAL BOREHOLE NUMBER - 706

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN706

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738225 E524760 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO. Q										
0		SAND (SP-SM) - light grey brown, medium grained sand, well graded	SEASONALLY FROZEN								0
1			UNFROZEN								1
2		SILT (ml) - dark grey, some fine sand									2
3		SAND (SM) - some gravel, some silt, dark grey brown, fine to coarse grained, saturated									3
4											4
5		- fine to medium grained, trace of silt									5
6											6
7											7
8											8
9											9
10											10
11											11
12		END OF BOREHOLE at 11.7m									12
13											13
14											14
15											15

DRILL RIG - MAYHEW 1000 MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 1.1m
 ORIGINAL BOREHOLE NUMBER - 707

SAMPLE TYPE

THIN W. TUBE

NO RECOVERY

SPLIT SPOON

PISTON

CORE

GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN707

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7737840 E524780 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT			
TYP	NO.	Q									
0			No Recovery	UNFROZEN							
1											
2											
3											
4			SAND (SM) - light brown grey, fine grained, uniform, saturated, some silt								
5											
6											
7											
8											
9											
10											
11											
12											
13			SILT (ml) - dark grey, trace of very fine sand, saturated, very loose								
14			END OF BOREHOLE at 14.0m								
15											

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 1.8m
 ORIGINAL BOREHOLE NUMBER - 708

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☒ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN708

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738985 E525065 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO. Q											
0		SAND-SILT (SM) - fine to medium, saturated, brown	UNFROZEN									0
1												1
2												2
3		- silty, fine, brown										3
4		SILT (ml) - some fine sand to sandy, trace of organics, moist, compact										4
5												5
6												6
7												7
8		- sandy to sand and silt, fine										8
9		END OF BOREHOLE at 8.2m										9
10												10
11												11
12												12
13												13
14												14
15												15

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 1.7m
 ORIGINAL BOREHOLE NUMBER - 709

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN709

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND
IMPERIAL OIL LIMITED

EBA / E-660
N7738960 E525245 Z8

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				SILT-SAND (ml) - brown and fissured, some organics, fine grained	UNFROZEN								0
1													1
2													2
3													3
4													4
5													5
6				SILT (ml) - grey brown, moist to wet, some sand									6
7													7
8				- decreasing in sand content with depth									8
9				END OF BOREHOLE at 8.2m									9
10													10
11													11
12													12
13													13
14													14
15													15

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
DRILLED FROM ICE
WATER DEPTH - 1.8m
ORIGINAL BOREHOLE NUMBER - 710

SAMPLE TYPE
☐ THIN W. TUBE ☐ PISTON
☐ NO RECOVERY ☐ CORE
☐ SPLIT SPOON ☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
PLN710

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED					EBA # E-660 N7738085 E524555 Z8						
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT			
0			Not Sampled								0
1			- organic rich sand recovered from the outside of hollow stem auger								1
2											2
3			SAND-SILT (sm) - very loose, medium grained sand interbedded with silt, grey brown, moist to wet silt								3
4	X		SAND (SM) - loose medium sand, medium brown, uniform, silty	UNFROZEN							4
5	X										5
6			- medium to fine, some silt to silty, very loose	UNFROZEN							6
7											7
8											8
9											9
10			END OF BOREHOLE at 8.8m								10
11											11
12											12
13											13
14											14
15											15

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 3.1m
 ORIGINAL BOREHOLE NUMBER - 711

SAMPLE TYPE	
THIN W. TUBE NO RECOVERY SPLIT SPOON	PISTON CORE GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE
 NUMBER
 PLN711

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7737930 E524400 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT(%)	LIQUID LIMIT					
TYP	NO. Q											
0		SAND (SM) - some silt, some organics, fine to medium grained, grey brown, very loose										0
1												1
2	X		UNFROZEN									2
3												3
4												4
5		- fine grained, trace of silt and organics, medium brown										5
6												6
7		- finer and siltier with depth										7
8												8
9												9
10												10
11		SILT (ml) - sandy END OF BOREHOLE at 10.9m	FROZEN, Vx									11
12												12
13												13
14												14
15												15

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 5.0m
 ORIGINAL BOREHOLE NUMBER - 712

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN712

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738625 E523770 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SAND (SM) - silty, fine, grey brown, saturated, very loose	UNFROZEN								0
1												1
2												2
3												3
4			- silty, becoming finer and siltier with depth									4
5												5
6												6
7												7
8			SAND-SILT (sm)	FROZEN, Nbe								8
9			END OF BOREHOLE at 8.2m									9
10												10
11												11
12												12
13												13
14												14
15												15

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 3.7m
 ORIGINAL BOREHOLE NUMBER - 713

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN713

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738460 E523500 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0				SPECIAL TESTS	UNIT	DEPTH (ft)	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO.	Q											
0			SILT-SAND (SM) - gravelly, clayey, till-like, dark grey	UNFROZEN								0	
1													1
2													2
3			- non plastic										3
4			SILT (ml) - very fine grained										4
5													5
6													6
7			- sandy, dark grey, brown, trace of gravel										7
8													8
9			SAND (sm) - silty, very fine moist										9
10													10
11			CLAY (cl) - silty, some sand, stiff, moist, medium plasticity										11
12			END OF BOREHOLE at 12.0m									12	
13												13	
14												14	
15												15	

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 3.8m
 ORIGINAL BOREHOLE NUMBER - 714

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN714

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738215 E523630 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO.	Q											
0			SILT (ml) - dark grey, clayey, wet, low non plastic	UNFROZEN								0	
1													1
2			CLAY (cl) - dark grey, silty, low plasticity, wet										2
3			SILT (ml) - some clay, dark grey brown, highly organic, wet, increasing fine sand content with depth										3
4													4
5													5
6			SAND (sm) - silty, fine									6	
7												7	
8			SILT (ml) - dark grey to black, organic silt, moist, low plasticity									8	
9			END OF BOREHOLE at 8.7m									9	
10												10	
11												11	
12												12	
13												13	
14												14	
15												15	

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 4.1m
 ORIGINAL BOREHOLE NUMBER - 715

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN715

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738010 E523765 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				PLASTIC LIMIT WATER CONTENT(%) LIQUID LIMIT 20 40 60 80				SPECIAL TESTS		UNIT		DEPTH (ft)	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C														
TYP	NO.	Q																	
			SAND (sm) - very silty, trace of clay, fine, dark grey brown, moist	UNFROZEN														0	
																		1	
																		2	
																		3	
																		4	
																		5	
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																		49	

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 4.1m
 ORIGINAL BOREHOLE NUMBER - 716

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☒ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE
 NUMBER
 PLN716

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7739005 E524675 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2					SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO.	Q											
0			SILT (ml) - dark grey, some fine sand and gravel	UNFROZEN									0
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
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DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 1.5m
 ORIGINAL BOREHOLE NUMBER - 717

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN717

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738635 E524840 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2					SPECIAL TESTS	UNIT	
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT	▲					
TYP	NO. Q												
0													0
1		SAND (SM) - medium brown, fine grained, trace of silt, saturated											1
2		- some silt, trace gravel											2
3		- gravelly, silty, gap graded	UNFROZEN										3
4													4
5		SAND-SILT (SM) - some fine to medium gravel	UNFROZEN										5
6													6
7		SILT-SAND (ml) - medium brown, very fine											7
8													8
9													9
10		SAND (sm) - medium brown, fine sand END OF BOREHOLE at 9.8m											10
11													11
12													12
13													13
14													14
15													15

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 1.5m
 ORIGINAL BOREHOLE NUMBER - 718

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA

DRAWING NUMBER

BOREHOLE NUMBER
 PLN718

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738395 E525045 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2					SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO.	Q											
0			SAND (sm) - silty, medium brown, very fine to fine, saturated	UNFROZEN								0	
1			SILT (ml) - medium brown, some very fine sand, saturated										1
2													2
3			SAND (SM) - silty, very fine grained, medium brown, moist										3
4													4
5													5
6			- some silt to silty										6
7													7
8													8
9													9
10													10
11			- silty, very fine saturated										11
12													12
13			END OF BOREHOLE at 13.0m									13	
14												14	
15												15	

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 1.4m
 ORIGINAL BOREHOLE NUMBER - 719

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN719

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738000 E525060 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2					SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT	▲					
TYP	NO. Q												
0		SILT (ml) - medium brown, some gravel											0
1													1
2													2
3		- some very fine sand SAND (SM) - silty, fine, grey brown											3
4													4
5													5
6													6
7		- fine, some silt, medium brown											7
8													8
9		SILT (ml) - some sand, grey brown END OF BOREHOLE at 9.0m											9
10													10
11													11
12													12
13													13
14													14
15													15

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 2.0m
 ORIGINAL BOREHOLE NUMBER - 720

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE
 NUMBER
 PLN720

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND
IMPERIAL OIL LIMITED

EBA # E-660
N7738425 E524545 Z8

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				SAND (SM) - fine grained, trace of silt, medium brown			20	40	60	80			0
1													1
2				- trace to some silt									2
3													3
4													4
5				- silty, fine to very fine, medium brown									5
6													6
7													7
8													8
9				- moist, very fine									9
10													10
11													11
12													12
13													13
14													14
15													15

NOTE: END OF BOREHOLE at 15.4m

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
DRILLED FROM ICE
WATER DEPTH - 1.4m
ORIGINAL BOREHOLE NUMBER - 721

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
PLN721

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7737925 E524060 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2					SPECIAL TESTS	UNIT
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - trace of very fine sand, dark grey									
1												
2												
3												
4												
5												
6												
7			- some silty sand (SM), moist, organic rich, black rootlets, becoming no sand	UNFROZEN								
8												
9												
10			- trace of sand, grey brown									
11												
12			- some clean fine sand lenses									
13												
14			- no sand									
15			SAND (sm) - fine to very fine, silty, moist									
16			END OF BOREHOLE at 13.7m									
17												
18												
19												
20												
21												
22												
23												
24												
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DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 3.0m
 ORIGINAL BOREHOLE NUMBER - 722

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN722

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7737540 E523995 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - moist to wet, light grey	UNFROZEN								0
1												1
2			- trace of very fine sand									2
3			- 150mm sand layer	Nbe								3
4												4
5			SAND (sm) - fine, some silt, saturated, medium grey to brown									5
6			SILT (ml) - some very fine sand, organic smell, medium grey									6
7												7
8												8
9			- sandy									9
10												10
11												11
12			SAND (sm) - fine, some silt, saturated, medium brown									12
13			END OF BOREHOLE at 12.2m									13
14												14
15												15

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 4.6m
 ORIGINAL BOREHOLE NUMBER - 723

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN723

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED					N7737345 E524285 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2			SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - wet, organic smell, medium grey	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
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47												47
48												48
49												49

DRILL RIG - MAYHEW 1000 OR MOBILE B-61 DRILLED FROM ICE WATER DEPTH - 4.6m ORIGINAL BOREHOLE NUMBER - 724	SAMPLE TYPE ☐ THIN W. TUBE ☐ PISTON ☐ NO RECOVERY ☐ CORE ☐ SPLIT SPOON ☐ GRAB	EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER	BOREHOLE NUMBER PLN724
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7737355 E524800 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2					SPECIAL TESTS	UNIT			
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT 20	WATER CONTENT (%) 40 60 80	LIQUID LIMIT 80							
TYP	NO.	Q													
0			SILT (ml) - sandy (fine), trace of fine gravel, saturated, organic smell, medium to dark grey	UNFROZEN									0		
1															1
2			SAND (sm) - fine, silty, saturated, medium brown										2		
3															3
4															4
5															5
6															6
7															7
8															8
9															9
10															10
11															11
12			END OF BOREHOLE at 12.2m										12		
13															13
14															14
15															15
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												48			
												49			

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 4.6m
 ORIGINAL BOREHOLE NUMBER - 725

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN725

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7737360 E525200 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0			SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT			
TYP	NO.	Q									
0			SILT (ml) - trace of very fine sand, moist, medium grey	UNFROZEN							0
1											1
2			- sandy								2
3											3
4											4
5											5
6											6
7			SAND (sm) - fine, silty, saturated, medium brown								7
8											8
9			- silty to some silt								9
10											10
11											11
12			END OF BOREHOLE at 12.2m								12
13											13
14											14
15											15

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 4.6m
 ORIGINAL BOREHOLE NUMBER - 726

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN726

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7736980 E524820 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0				SPECIAL TESTS	UNIT	DEPTH (ft)	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO.	Q											
0			SILT (ml) - some organic smell, moist, medium grey	UNFROZEN								0	
1												1	
2												2	
3												3	
4												4	
5												5	
6												6	
7												7	
8												8	
9												9	
10												10	
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43												43	
44												44	
45												45	
46												46	
47												47	
48												48	
49												49	
DRILL RIG - MAYHEW 1000 OR MOBILE B-61 DRILLED FROM ICE WATER DEPTH - 4.0m ORIGINAL BOREHOLE NUMBER - 727				SAMPLE TYPE ☐ THIN W. TUBE ☐ PISTON ☐ NO RECOVERY ☐ CORE ☐ SPLIT SPOON ☐ GRAB				EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER				BOREHOLE NUMBER PLN727	

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738645 E525055 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO. Q											
0		SAND (sm) - fine, silty, medium brown	UNFROZEN									0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
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39												39
40												40
41												41
42												42
43												43
44												44
45												45
46												46
47												47
48												48
49												49

DRILL RIG - MAYHEW 1000 OR MOBILE B-61 DRILLED FROM ICE WATER DEPTH - 3.0m ORIGINAL BOREHOLE NUMBER - 728	SAMPLE TYPE THIN W. TUBE NO RECOVERY SPLIT SPOON PISTON CORE GRAB	EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER	BOREHOLE NUMBER PLN728
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7739240 E525075 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO. Q											
0		SILT (ml) - trace of fine sand, organic smell, medium grey	UNFROZEN									0
1		SAND (sm) - fine to very fine, some silt, medium brown										1
2												2
3		SILT (ml) - very sandy, dark grey, roots and organics										3
4												4
5		SAND (sm) - fine to very fine, silty, organic smell, medium grey										5
6												6
7		- layers of sandy silt										7
8												8
9		- silty, fine										9
10												10
11												11
12												12
13												13
14												14
15		NOTE: END OF BOREHOLE at 15.1m										15

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 1.7m
 ORIGINAL BOREHOLE NUMBER - 729

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN729

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7739270 E525355 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2			SPECIAL TESTS	UNIT	DEPTH (ft)							
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT										
TYP	NO.	Q																
0			SAND (sm) - some silt, medium grey brown	UNFROZEN							0							
1																		1
2																		2
3			SILT (ml) - some very fine sand, medium grey															3
4			- some sand to sandy															4
5																		5
6			SAND (SP-SM) - silty, fine, some fine gravel															6
7																		7
8			SILT (ml) - sandy (fine), medium grey															8
9																		9
10																		10
11																		11
12			- trace of sand and clay non to low plastic															12
13			END OF BOREHOLE at 13.1m								13							
14											14							
15											15							

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 2.1m
 ORIGINAL BOREHOLE NUMBER - 730

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN730

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED					EBA # E-660 N7739660 E525755 Z8						
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT			
0			SILT (ml) - moist, medium grey	UNFROZEN							0
1											1
2											2
3											3
4											4
5											5
6											6
7											7
8											8
9											9
10											10
11											11
12											12
13											13
14											14
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44											44
45											45
46											46
47											47
48											48
49											49

DRILL RIG - MAYHEW 1000 OR MOBILE B-61
 DRILLED FROM ICE
 WATER DEPTH - 3.0m
 ORIGINAL BOREHOLE NUMBER - 731

SAMPLE TYPE			
THIN W. TUBE	NO RECOVERY	SPLIT SPOON	PISTON CORE GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE
 NUMBER
 PLN731

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND				EBA # E-660													
IMPERIAL OIL LIMITED				N7737990 E528480 Z8													
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲						SPECIAL TESTS	UNIT	DEPTH (m)	DEPTH (ft)		
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT									
			SAND (sm) - fine, some silt, medium brown	UNFROZEN										0			
			SILT (ml) - medium grey											1			
														2			
														3			
														4			
														5			
														6			
														7			
														8			
														9			
														10			
														11			
														12			
														13			
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														28			
														29			
														30			
														31			
														32			
														33			
														34			
														35			
			SAND (sm) - very fine to fine, silty											36			
														37			
														38			
														39			
														40			
														41			
														42			
														43			
			- fine											44			
														45			
														46			
														47			
			END OF BOREHOLE at 14.3											48			
														49			

DRILL RIG - MAYHEW 1000
 DRILLED FROM ICE
 WATER DEPTH - 2.4m
 ORIGINAL BOREHOLE NUMBER - 750

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN750

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7737490 E528480 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - trace of fine sand, medium grey	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
15												15
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												39
												40
												41
												42
												43
												44
												45
												46
												47
												48
												49

DRILL RIG - MAYHEW 1000 DRILLED FROM ICE WATER DEPTH - 3.4m ORIGINAL BOREHOLE NUMBER - 751	SAMPLE TYPE ☐ THIN W. TUBE ☐ PISTON ☐ NO RECOVERY ☐ CORE ☐ SPLIT SPOON ☐ GRAB	EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER	BOREHOLE NUMBER PLN751
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7736990 E528480 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO. Q											
0		SAND (sm) - fine, silty, micaceous, immature	UNFROZEN									0
1												1
2		SILT (ml) - trace of sand, medium grey brown										2
3												3
4												4
5		- non plastic, moist, no sand										5
6												6
7												7
8		- trace of clay, low to non plastic										8
9												9
10												10
11												11
12												12
13		- medium grey, moist, non plastic										13
14		END OF BOREHOLE at 14.0m										14
15												15

DRILL RIG - MAYHEW 1000
 DRILLED FROM ICE
 WATER DEPTH - 2.7m
 ORIGINAL BOREHOLE NUMBER - 752

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN752

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7736490 E528480 ZB		Bulk Density Mg/m ³ ▲					SPECIAL TESTS	UNIT	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT(%)	LIQUID LIMIT					
TYP	NO.	Q											
0			SILT (ml) - sandy, soft, moist, non plastic, medium grey brown	UNFROZEN									0
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
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40													40
41													41
42													42
43													43
44													44
45													45
46													46
47													47
48													48
49													49
END OF BOREHOLE at 13.1m													

DRILL RIG - MAYHEW 1000
 DRILLED FROM ICE
 WATER DEPTH - 3.7m
 ORIGINAL BOREHOLE NUMBER - 753

SAMPLE TYPE

THIN W. TUBE

NO RECOVERY

SPLIT SPOON

PISTON

CORE

GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN753

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7735990 E528480 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - trace of fine sand, non plastic, moist, medium grey	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
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40												40
41												41
42												42
43												43
44												44
45												45
46												46
47												47
48												48
49												49

DRILL RIG - MAYHEW 1000
 DRILLED FROM ICE
 WATER DEPTH - 3.0m
 ORIGINAL BOREHOLE NUMBER - 754

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☒ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN754

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7735490 E528480 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2					SPECIAL TESTS	UNIT	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO.	Q											
0			SILT (ml) - some fine sand, medium grey	UNFROZEN									0
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
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39													39
40													40
41													41
42													42
43													43
44													44
45													45
46													46
47													47
48													48
49													49

DRILL RIG - MAYHEW 1000
 DRILLED FROM ICE
 WATER DEPTH - 3.6m
 ORIGINAL BOREHOLE NUMBER - 755

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN755

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND
IMPERIAL OIL LIMITED

EBA # E-660
N7736990 E527980 Z8

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0	M			SAND (SM) - fine, silty, medium brown grey	UNFROZEN		20	40	60	80			0
1													1
2	M			- some silt (SP-SM)									2
3	M			SILT (ml) - medium grey									3
4													4
5	M												5
6	M												6
7													7
8	M												8
9	M												9
10													10
11	M												11
12	M												12
13	M												13
14				END OF BOREHOLE at 13.7m	UNFROZEN								14
15													15

DRILL RIG - MAYHEW 1000
DRILLED FROM ICE
WATER DEPTH - 3.0m
ORIGINAL BOREHOLE NUMBER - 757

SAMPLE TYPE
 THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON
 PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
PLN757

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND
IMPERIAL OIL LIMITED

EBA # E-660
N7736990 E526980 Z8

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				SAND (sm) - fine to very fine, silty, medium grey brown	UNFROZEN								0
1				- some silt (SP-SM)									1
2													2
3				SILT (ml) - sandy (fine), medium grey									3
4													4
5				- some sand to sandy									5
6													6
7													7
8													8
9													9
10													10
11				- dark grey to black, organic									11
12				SAND (sm) - fine silty, dark grey									12
13					UNFROZEN								13
14				END OF BOREHOLE at 13.4m									14
15													15

DRILL RIG - MAYHEW 1000
DRILLED FROM ICE
WATER DEPTH - 3.4m
ORIGINAL BOREHOLE NUMBER - 759

SAMPLE TYPE
 THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON
 PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
PLN759

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7737990 E527980 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2			SPECIAL TESTS	UNIT	DEPTH (ft)	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SAND (sm) - fine, silty medium brown	UNFROZEN							0	
1			- trace of silt (SP-SM)									1
2			SILT (ml) - trace of sand, medium grey									2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10										10		
11			SAND (SM) - fine to very fine, silty, medium brown	FROZEN, Nbe	20						11	
12												12
13												13
14												14
15												15
16												16
17												17
18												18
19												19
20												20
21										21		
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36										36		
37										37		
38										38		
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41										41		
42										42		
43										43		
44										44		
45										45		
46										46		
47										47		
48										48		
49										49		

DRILL RIG - MAYHEW 1000
 DRILLED FROM ICE
 WATER DEPTH - 1.7m
 ORIGINAL BOREHOLE NUMBER - 760

SAMPLE TYPE

THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON

PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN760

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA / E-660 N7738490 E528480 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0				SPECIAL TESTS	UNIT	
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO. Q											
0												0
		SILT (ml) - trace of very fine sand, medium grey	UNFROZEN									1
1												2
												3
2												4
		- no sand										5
3												6
												7
4												8
												9
5												10
												11
6												12
												13
7												14
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												44
												45
												46
												47
												48
												49

DRILL RIG - MAYHEW 1000
 DRILLED FROM ICE
 WATER DEPTH - 2.7m
 ORIGINAL BOREHOLE NUMBER - 761

SAMPLE TYPE

▨	THIN W. TUBE	▨	PISTON
▧	NO RECOVERY	▨	CORE
▩	SPLIT SPOON	▨	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE
 NUMBER
 PLN761

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7737990 E528980 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0 PLASTIC LIMIT WATER CONTENT(%) LIQUID LIMIT 20 40 60 80					SPECIAL TESTS		UNIT	
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C										
TYP	NO. Q													
0		SILT (ml) - sandy, medium grey	UNFROZEN											0
1														1
2														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
13		- some sand to sandy SAND (sm) - fine, silty, medium grey	UNFROZEN											13
14		END OF BOREHOLE at 13.7m												14
15														15

DRILL RIG - MAYHEW 1000
 DRILLED FROM ICE
 WATER DEPTH - 3.0m
 ORIGINAL BOREHOLE NUMBER - 762

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN762

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7745000 E530800 ZB		Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - medium grey, trace of organics, moist, low to non plastic	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
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32												32
33												33
34												34
35												35
36												36
37												37
38												38
39												39
40												40
41												41
42												42
43												43
44												44
45												45
46												46
47												47
48												48
49												49

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 6.7m
 ORIGINAL BOREHOLE NUMBER - 801

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN801

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7743000 E528500 Z8		Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - sandy (fine), organic smell									0
1			- no sand									1
2												2
3												3
4			- clayey silt with some sand	UNFROZEN								4
5												5
6												6
7												7
8												8
9												9
10			- medium grey, trace of very fine sand									10
11												11
12			END OF BOREHOLE at 11.7m									12
13												13
14												14
15												15

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 5.2m
 ORIGINAL BOREHOLE NUMBER - 802

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN802

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7742300 E527800 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO. Q											
0		SILT (ml) - trace of fine sand, medium grey										0
1			UNFROZEN									1
2												2
3												3
4		- no sand, some organics										4
5												5
6												6
7												7
8												8
9		- some fine sand										9
10												10
11												11
12		- some fine to medium gravel, trace of shells END OF BOREHOLE at 11.6m	UNFROZEN									12
13												13
14												14
15												15

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 5.2m
 ORIGINAL BOREHOLE NUMBER - 803

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PLN803

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7737945 E524023 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2			SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT			
TYP	NO.	Q									
0			CLAY (cl) - sandy, and silty, medium plasticity, soft	UNFROZEN							0
1											1
2											2
3											3
4											4
5											5
6											6
7											7
8											8
9											9
10											10
11											11
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47											47
48											48
49											49

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 3.7m
 ORIGINAL BOREHOLE NUMBER - LINE 602,TH68

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN60268

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED					EBA # E-660 N7738278 E524342 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0			SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SAND (SM) - silty, fine, uniform, loose to medium dense, medium grey									0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
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47												47
48												48
49												49

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 2.1m
 ORIGINAL BOREHOLE NUMBER-LINE602,TH70+75

SAMPLE TYPE

☐

 THIN W. TUBE

☐

 NO RECOVERY

☐

 SPLIT SPOON

☐

 PISTON

☐

 CORE

☐

 GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN60270

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738352 E524409 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0			SPECIAL TESTS	UNIT	DEPTH (ft)
DEPTH (m)	SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT			
	TYP	NO. Q									
0			SILT (ml) - organic, dark brown								0
1			SAND-GRAVEL (SP) - trace of silt, fine, medium to light grey								1
2			- (GP)	UNFROZEN							2
3											3
4											4
5			- some gravel (SP)								5
6											6
7											7
8											8
9											9
10											10
11											11
12											12
13											13
14			CLAY (cl) - silty, trace of fine sand, dark grey to black								14
15											15

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 0.9m
 ORIGINAL BOREHOLE NUMBER - LINE 602,TH71

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN60271
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA / E-660 N7738352 E524409 ZB		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
15			CLAY (cl) - (cont'd)									50
16												51
17												52
18												53
19												54
20												55
21												56
22												57
23												58
24												59
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												98

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 0.9m
 ORIGINAL BOREHOLE NUMBER - LINE 602,TH71

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☒ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN60271
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-680 N7738486 E524528 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2			SPECIAL TESTS	UNIT	DEPTH (ft)	
DEPTH (m)	SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
	TYP	NO. Q										
0			SILT (ml) - very organic, dark grey black	UNFROZEN							0	
1			SAND (sm) - silty, very fine uniform, medium grey									1
2			- some silt (SP-SM)									2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
15			CLAY (cl) - silty, dark grey								15	

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 1.2m
 ORIGINAL BOREHOLE NUMBER - LINE 602,TH72

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN60272
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738486 E524528 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT(%)	LIQUID LIMIT					
TYP	NO. Q											
15		CLAY (cl) - (cont'd)										50
16												51
17												52
18												53
19												54
20												55
21												56
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												97
												98
		END OF BOREHOLE at 27.4m										

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 1.2m
 ORIGINAL BOREHOLE NUMBER - LINE 602,TH72

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN60272
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738624 E524654 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2					SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO.	Q											
0			ORGANIC SILTS (ol)										0
1			SAND (SP-SM) - medium to fine grained, wet, trace of silt, light grey										1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
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42													42
43													43
44													44
45													45
46													46
47													47
48													48
49													49

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 1.2m
 ORIGINAL BOREHOLE NUMBER - LINE 602,TH73

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN60273
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738624 E524654 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
15			SAND (SP-SM) - (cont'd)									50
			SILT-SAND (ml) - fine, medium grey									51
16												52
												53
17												54
												55
18												56
												57
19												58
												59
20												60
												61
21												62
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22												64
												65
23												66
												67
24												68
												69
25												70
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26												72
												73
27												74
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28												76
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29												78
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30												80
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												94
												95
												96
												97
												98

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 1.2m
 ORIGINAL BOREHOLE NUMBER - LINE 602,TH73

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☒ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN60273
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7739167 E525144 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO. Q											
0		SAND (sm) - silty, trace of clay, fine grained, low plasticity, loose and wet, grey	UNFROZEN									0
1												1
2		CLAY (cl) - silty, trace of sand, soft and wet, medium plasticity										2
3		END OF BOREHOLE at 2.1m										3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
15												15
16												16
17												17
18												18
19												19
20												20
21												21
22												22
23												23
24												24
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27												27
28												28
29												29
30												30
31												31
32												32
33												33
34												34
35												35
36												36
37												37
38												38
39												39
40												40
41												41
42												42
43												43
44												44
45												45
46												46
47												47
48												48
49												49

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 1.5m
 ORIGINAL BOREHOLE NUMBER - LINE 602,TH77

SAMPLE TYPE

THIN W. TUBE

NO RECOVERY

SPLIT SPOON

PISTON

CORE

GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN60277

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7739570 E525512 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			CLAY (cl) - silty, dark grey	UNFROZEN								0
1			SILT-SAND (ml)									
2												2
3												3
4												4
5												5
6												6
7			END OF BOREHOLE at 6.1m									7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
15												15

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 2.0m
 ORIGINAL BOREHOLE NUMBER - LINE 602,TH80

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN60280

DEPTH (m) DEPTH (ft)

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND
IMPERIAL OIL LIMITED

EBA # E-660
N7739701 E525629 Z8

SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (m)	DEPTH (ft)
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
			CLAY (cl) - sandy and silty, light grey	UNFROZEN								0	0
			END OF BOREHOLE at 0.9m									1	3
												2	7
												3	10
												4	13
												5	16
												6	20
												7	23
												8	26
												9	30
												10	33
												11	36
												12	40
												13	43
												14	46
												15	49

DRILL RIG - SEISMIC
DRILLED FROM ICE
WATER DEPTH - 2.4m
ORIGINAL BOREHOLE NUMBER - LINE 602,TH81

SAMPLE TYPE
 THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON
 PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
PN60281

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7739832 E525752 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2					SPECIAL TESTS	UNIT	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO.	Q											
0			CLAY (cl) - silty, light grey, trace of sand	UNFROZEN									0
1			NO RECOVERY - 0.9 to 15.4m										1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
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45													45
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47													47
48													48
49													49

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 2.7m
 ORIGINAL BOREHOLE NUMBER - LINE 602,TH82

SAMPLE TYPE

THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON

PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN60282
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7739832 E525752 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2					SPECIAL TESTS	UNIT			
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT							
TYP	NO.	Q													
15			SAND (sm) - fine, light brown, trace of silt										50		
16															51
17															52
18															53
19															54
20															55
21															56
22															57
23															58
24															59
25															60
26															61
27															62
28															63
29															64
30			END OF BOREHOLE at 27.4m										65		
													66		
													67		
													68		
													69		
													70		
													71		
													72		
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													97		
													98		

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 2.7m
 ORIGINAL BOREHOLE NUMBER - LINE 602,TH82

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA

DRAWING NUMBER

BOREHOLE NUMBER
 PN60282

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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA / E-660 N7738564 E525569 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
DEPTH (m)	SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
	TYP	NO. Q										
0			CLAY (cl) - sandy, silty, low plasticity, dark grey, loose and wet	UNFROZEN								0
1												1
2			- traces of sand, very fine medium plasticity									2
3			END OF BOREHOLE AT 2.5m									3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
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DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 1.3m
 ORIGINAL BOREHOLE NUMBER - LINE 727,TH25

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE
 NUMBER
 PN72725

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738682 E525432 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SAND (sm) - trace of silt, loose and wet, fine grained, light grey, becoming silty and clayey, low plasticity	UNFROZEN								0
1			CLAY (cl) - sandy and silty, fine sand, loose and wet, low to medium plasticity									1
2			END OF BOREHOLE AT 1.5m									2
3												3
4												4
5												5
6												6
7												7
8												8
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47												47
48												48
49												49

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 1.5m
 ORIGINAL BOREHOLE NUMBER - LINE 727,TH26

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN72726

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738797 E525292 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0			SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT			
TYP	NO.	Q									
0			SAND (sc) - fine grained, loose and wet, light grey, some silt	UNFROZEN							0
1			- some clay to clayey, low plasticity								1
2			CLAY (cl) - silty, trace of sand, low plastic, hard and wet								2
			END OF BOREHOLE AT 2.1m								3
4											4
5											5
6											6
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DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 1.5m
 ORIGINAL BOREHOLE NUMBER - LINE 727,TH27

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN72727

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND				EBA # E-660															
IMPERIAL OIL LIMITED				N7738915 E525158 Z8															
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲						SPECIAL TESTS	UNIT	DEPTH (ft)					
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT											
			SAND (SM) - fine to medium, loose and wet, some silt, brown	UNFROZEN										0					
															1				
															2				
			CLAY (cl) - silty, trace of sand, medium plasticity, soft to hard and wet											3					
			END OF BOREHOLE AT 2.1m											4					
														5					
														6					
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DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 1.5m
 ORIGINAL BOREHOLE NUMBER - LINE 727,TH28

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN72728

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7739027 E525023 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - sandy, some clay, low plasticity, loose and wet	UNFROZEN								0
1			- medium to light grey									1
2			END OF BOREHOLE AT 1.5m									2
3												3
4												4
5												5
6												6
7												7
8												8
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47												47
48												48
49												49

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 1.5m
 ORIGINAL BOREHOLE NUMBER - LINE 727,TH29

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN72729

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7739267 E524742 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0					SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO.	Q											
0			CLAY (cl) - silty, trace of sand, light to medium brown, loose, wet, low plasticity - some silt	UNFROZEN									0
1													1
2			END OF BOREHOLE at 2.4m										2
3													3
4													4
5													5
6													6
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15			15										

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 1.5m
 ORIGINAL BOREHOLE NUMBER - LINE 727,TH31

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN72731

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND
IMPERIAL OIL LIMITED

EBA # E-660
N7738187 E524545 Z8

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				SAND (sp-sm) - trace of silt, fine to medium, loose and wet light brown	UNFROZEN								0
1	M			- silty (SM)									1
2				SILT (ml) - sandy, trace of clay low plasticity, loose and wet									2
3				CLAY (cl) - silty, medium plasticity soft and wet									3
4				END OF BOREHOLE AT 2.6m									4
5													5
6													6
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DRILL RIG - SEISMIC
DRILLED FROM ICE
WATER DEPTH - 1.7m
ORIGINAL BOREHOLE NUMBER - 602-A-1

SAMPLE TYPE
☐ THIN W. TUBE ☐ PISTON
☐ NO RECOVERY ☐ CORE
☒ SPLIT SPOON ☒ GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
PN602A1

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND
IMPERIAL OIL LIMITED

EBA # E-660
N7738117 E524546 Z8

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				SAND (sc) - very fine, silty and clayey, low plasticity, loose and wet	UNFROZEN								0
1				CLAY (cl) - some sand, silty, loose and wet, low plastic, medium grey									1
2				END OF BOREHOLE AT 1.5m									2
3													3
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DRILL RIG - SEISMIC
DRILLED FROM ICE
WATER DEPTH - 6.1m
ORIGINAL BOREHOLE NUMBER - 602-A-2

SAMPLE TYPE
☐ THIN W. TUBE ☐ PISTON
☐ NO RECOVERY ☐ CORE
☐ SPLIT SPOON ☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE
NUMBER
PN602A2

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738036 E524547 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			CLAY (cl) - sandy and silty, loose and wet, light grey	UNFROZEN								0
1												1
2			END OF BOREHOLE at 1.5m									2
3												3
4												4
5												5
6												6
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DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 5.5m
 ORIGINAL BOREHOLE NUMBER - 602-A-3

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☒ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN602A3

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738145 E524224 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			CLAY (cl) - silty, some sand, dark to medium grey, loose and wet	UNFROZEN								0
1			- low plasticity									1
2			END OF BOREHOLE AT 2.1m									2
3												3
4												4
5												5
6												6
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DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 4.9m
 ORIGINAL BOREHOLE NUMBER - 602-B-1

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN602B1

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND				EBA # E-660															
IMPERIAL OIL LIMITED				N7738165 E524241 ZB															
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲						SPECIAL TESTS	UNIT	DEPTH (ft)					
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT											
						1.4	1.6	1.8	2										
						20	40	60	80										
0			CLAY (cl) - silty, some sand, loose medium to highly plastic	UNFROZEN										0					
1														1					
2														2					
3														3					
4														4					
5														5					
6														6					
7														7					
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DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 5.5m
 ORIGINAL BOREHOLE NUMBER - 602-B-2

SAMPLE TYPE

☐ THIN W. TUBE

☐ NO RECOVERY

☐ SPLIT SPOON

☐ PISTON

☐ CORE

☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN602B2

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738194 E524265 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0					SPECIAL TESTS	UNIT			
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT							
TYP	NO.	Q													
0			SAND (sm) - silty, medium grained, loose and wet, light brown	UNFROZEN									0		
1			END OF BOREHOLE AT 1.2m										1		
2															2
3															3
4															4
5															5
6															6
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14															14
15												15			

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 3.4m
 ORIGINAL BOREHOLE NUMBER - 602-B-3

SAMPLE TYPE

THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON

PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN602B3

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738231 E524299 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0			SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT			
TYP	NO.	Q									
0			SAND (SP) - medium grain, loose and wet, trace of silt	UNFROZEN							0
1			- traces of clay, low plasticity, loose and wet								1
2			END OF BOREHOLE at 1.5m								2
3											3
4											4
5											5
6											6
7											7
8											8
9											9
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DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 3.4m
 ORIGINAL BOREHOLE NUMBER - 602-B-4

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN602B4

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND
IMPERIAL OIL LIMITED

EBA # E-660
N7738467 E524123 ZB

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				SAND (sp-sm) - medium to coarse, trace of silt, loose and damp, light grey									0
1													1
2				- some silt (SM)	UNFROZEN								2
3				END OF BOREHOLE AT 1.5m									3
4													4
5													5
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DRILL RIG - SEISMIC
DRILLED FROM ICE
WATER DEPTH - 1.2m
ORIGINAL BOREHOLE NUMBER - 602-C-1

SAMPLE TYPE
☐ THIN W. TUBE ☐ PISTON
☐ NO RECOVERY ☐ CORE
☒ SPLIT SPOON ☒ GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
PN602C1

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738461 E524015 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SAND (sm) - fine grained loose and wet, trace of silt and gravel, low plasticity	UNFROZEN								0
1												1
2												2
3			CLAY (cl) - silty, low to medium plasticity, loose and wet, medium grey									3
4			END OF BOREHOLE AT 3.1m									4
5												5
6												6
7												7
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14												14
15												15

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 1.5m
 ORIGINAL BOREHOLE NUMBER - 602-C-2

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN602C2

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738454 E523893 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO.	Q											
0			GRAVEL (gm) - some sand, medium grained	UNFROZEN								0	
1			CLAY (cl) - silty, medium plasticity, loose and wet										1
2			END OF BOREHOLE AT 2.4m										2
3												3	
4												4	
5												5	
6												6	
7												7	
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48												48	
49												49	

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 1.8m
 ORIGINAL BOREHOLE NUMBER - 602-C-3

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN602C3

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND				EBA # E-660													
IMPERIAL OIL LIMITED				N7738453 E523803 Z8													
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲								SPECIAL TESTS	UNIT	DEPTH (ft)	
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT									
						1.4	1.6	1.8	2.0								
						20	40	60	80								
0			SAND (sm) - some silt, fine, loose and wet, light grey, low plasticity	UNFROZEN												0	
1			SILT (ml) - sandy, clayey, low plasticity loose and wet													1	
2			CLAY (cl) - silty, medium to high plasticity, soft and wet, trace of gravel throughout													2	
3			END OF BOREHOLE AT 3.0m													3	
4																4	
5																5	
6																6	
7																7	
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DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 4.0m
 ORIGINAL BOREHOLE NUMBER - 602-C-4

SAMPLE TYPE

☐ THIN W. TUBE

☐ NO RECOVERY

☐ SPLIT SPOON

☐ PISTON

☐ CORE

☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN602C4

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738453 E523803 ZB		Bulk Density Mg/m ³ ▲					SPECIAL TESTS	UNIT			
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT							
TYP	NO.	Q													
0			SAND (sp-sm) - trace of silt, loose and damp, medium to coarse, light brown	UNFROZEN									0		
1															1
2			END OF BOREHOLE at 1.5m										2		
3															3
4															4
5															5
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DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 1.2m
 ORIGINAL BOREHOLE NUMBER - 602-D-1

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN602D1

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED					EBA # E-660 N7738828 E524518 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT						
TYP	NO. Q												
0			SAND (sp-sm) - traces of silt, loose and damp, medium to coarse, light grey	UNFROZEN									0
1													1
2			END OF BOREHOLE at 1.5m										2
3													3
4													4
5													5
6													6
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DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 0.9m
 ORIGINAL BOREHOLE NUMBER - 602-D-2

SAMPLE TYPE	
☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN602D2

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND
IMPERIAL OIL LIMITED

EBA # E-660
N7738998 E525000 Z8

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				SAND (SM) - some silt, fine to medium, loose and wet, light brown	UNFROZEN								0
1													1
2													2
3				END OF BOREHOLE AT 2.6m									3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
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48													48
49													49

DRILL RIG - SEISMIC
DRILLED FROM ICE
WATER DEPTH - 1.7m
ORIGINAL BOREHOLE NUMBER - 602-E-1

SAMPLE TYPE
☐ THIN W. TUBE ☐ PISTON
☐ NO RECOVERY ☐ CORE
☐ SPLIT SPOON ☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
PN602E1

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND				EBA # E-660															
IMPERIAL OIL LIMITED				N7739091 E525084 ZB															
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲					SPECIAL TESTS	UNIT	DEPTH (ft)						
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT											
			SAND (sm) - some silt, very fine, loose and wet, light grey	UNFROZEN									0						
													1						
													2						
													3						
													4						
			CLAY (cl) - silty, medium to highly plastic, soft to firm, wet										5						
													6						
													7						
			END OF BOREHOLE at 2.7m										8						
													9						
													10						
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													49						

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 2.0m
 ORIGINAL BOREHOLE NUMBER - 602-E-2

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN602E2

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7739167 E525144 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SAND (sm) - very fine, loose and wet low plasticity, trace of clay	UNFROZEN								0
1			CLAY (cl) - silty, medium to dark grey, medium to high plasticity, traces of sand, loose and wet									1
2			END OF BOREHOLE at 2.4m									2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
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49												49

DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 1.5m
 ORIGINAL BOREHOLE NUMBER - 602-E-3

SAMPLE TYPE

☐ THIN W. TUBE
☐ NO RECOVERY
☐ SPLIT SPOON

☐ PISTON
☐ CORE
☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PN602E3

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND
IMPERIAL OIL LIMITED

EBA # E-660
N7738501 E524946 Z8

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				SAND (sm) - some silt, loose and wet, fine to medium grained, brown	UNFROZEN								0
1													1
2				END OF BOREHOLE at 1.5m									2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
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13													13
14													14
15													15

DRILL RIG - SEISMIC
DRILLED FROM ICE
WATER DEPTH - 1.5m
ORIGINAL BOREHOLE NUMBER - 602-F-1

SAMPLE TYPE
 THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON
 PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
PN602F1

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND IMPERIAL OIL LIMITED				EBA # E-660 N7738508 E525054 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2						SPECIAL TESTS		UNIT	
SAMPLE		SOIL DESCRIPTION		GROUND ICE DESCRIPTION		TEMP C		PLASTIC LIMIT WATER CONTENT (%) LIQUID LIMIT							
TYP NO. Q								20 40 60 80							
0		SAND (sm) - fine to medium grained, some silt, loose and wet, light brown		UNFROZEN											
1															
2		CLAY (cl) - silty, some sand, low to medium plasticity, soft and wet													
3		END OF BOREHOLE AT 2.1m													
4															
5															
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DRILL RIG - SEISMIC
 DRILLED FROM ICE
 WATER DEPTH - 1.5m
 ORIGINAL BOREHOLE NUMBER - 602-F-2

SAMPLE TYPE

THIN W. TUBE

NO RECOVERY

SPLIT SPOON

PISTON

CORE

GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA

DRAWING NUMBER

BOREHOLE NUMBER
 PN602F2

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND
IMPERIAL OIL LIMITED

EBA # E-660
N7738513 E525170 Z8

DEPTH (m)	SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO. Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0			SAND (SP-SM) - some silt, light brown, fine to medium grained, loose and damp									0
1												1
2			- trace of silt	UNFROZEN								2
3			CLAY (cl) - silty, dark grey, medium plasticity, soft and wet									3
4			END OF BOREHOLE at 3.0m									4
5												5
6												6
7												7
8												8
9												9
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49												49

DRILL RIG - SEISMIC
DRILLED FROM ICE
WATER DEPTH - 1.5m
ORIGINAL BOREHOLE NUMBER - 602-F-3

SAMPLE TYPE
☐ THIN W. TUBE ☐ PISTON
☐ NO RECOVERY ☐ CORE
☐ SPLIT SPOON ☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
PN602F3

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN ISLAND
IMPERIAL OIL LIMITED

EBA # E-660
N7738515 E525260 Z8

SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
			SAND (SM) - some silt, fine grained, loose and wet, light grey	UNFROZEN								0
			- siltier									1
			CLAY (cl) - very silty, trace of sand medium plasticity, loose and wet									2
			END OF BOREHOLE AT 2.1m									3
												4
												5
												6
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DRILL RIG - SEISMIC
DRILLED FROM ICE
WATER DEPTH - 1.5m
ORIGINAL BOREHOLE NUMBER - 602-F-4

SAMPLE TYPE
☐ THIN W. TUBE ☐ PISTON
☐ NO RECOVERY ☐ CORE
☐ SPLIT SPOON ☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
PN602F4

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN E-17
IMPERIAL OIL LIMITED

EBA # E-660
N7740343 E 525910 Z8

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				CLAY (cl) - silty, trace of sand, medium grey, soft	UNFROZEN								0
1													1
2													2
3													3
4													4
5													5
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DRILL RIG - MAYHEW 1000
DRILLED FROM ICE
WATER DEPTH - 1.7m
ORIGINAL BOREHOLE NUMBER - E17-1

SAMPLE TYPE
☐ THIN W. TUBE ☐ PISTON
☐ NO RECOVERY ☐ CORE
☐ SPLIT SPOON ☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
PNE171

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN E-17					EBA # E-660																		
IMPERIAL OIL LIMITED					N7740310 E525910 Z8																		
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲									SPECIAL TESTS	UNIT	DEPTH (ft)						
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT															
						20	40	60	80														
0			CLAY (cl) - silty, trace of sand, medium plastic, soft	UNFROZEN													0						
1																	1						
2																	2						
3																	3						
4																	4						
5																	5						
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DRILL RIG - MAYHEW 1000
 DRILLED FROM ICE
 WATER DEPTH - 1.5m
 ORIGINAL BOREHOLE NUMBER - E17-2

SAMPLE TYPE

THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON

PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PNE172

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - PULLEN E-17					EBA # E-660																		
IMPERIAL OIL LIMITED					N7740310 E525910 Z8																		
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲									SPECIAL TESTS	UNIT	DEPTH (ft)						
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT															
						20	40	60	80														
0			CLAY (cl) - silty, trace of sand, medium plastic, soft	UNFROZEN													0						
1																	1						
2																	2						
3																	3						
4																	4						
5																	5						
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DRILL RIG - MAYHEW 1000
 DRILLED FROM ICE
 WATER DEPTH - 1.5m
 ORIGINAL BOREHOLE NUMBER - E17-2

SAMPLE TYPE

☐ THIN W. TUBE

☐ NO RECOVERY

☐ SPLIT SPOON

☐ PISTON

☐ CORE

☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 PNE172

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - BREAKERS SHOAL IMPERIAL OIL LIMITED					EBA # E-660 N7744935 E538595 Z8							
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲ PLASTIC LIMIT WATER CONTENT (%) LIQUID LIMIT				SPECIAL TESTS	UNIT	
TYP	NO.	Q				20	40	60	80			
0			SAND (sm) - fine SILT (ml) - grey brown, trace of organics	UNFROZEN								0
1												1
2												2
3												3
4												4
5												5
6												6
7			END OF BOREHOLE at 6.6m									7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
15												15

DRILL RIG - MOBILE B-61 AUGER
 DRILL FROM ICE
 WATER DEPTH - 3.2m
 ORIGINAL BOREHOLE NUMBER - 405

SAMPLE TYPE	
THIN W. TUBE NO RECOVERY SPLIT SPOON	PISTON CORE GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA

DRAWING NUMBER

BOREHOLE NUMBER
 BS405

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - BREAKERS SHOAL IMPERIAL OIL LIMITED				EBA # E-660 N7741400 E538460 Z8		Bulk Density Mg/m ³ ▲					SPECIAL TESTS	UNIT	
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC WATER LIQUID LIMIT CONTENT(%) LIMIT							
TYP	NO.	Q				1.4 20	1.6 40	1.8 60	2.0 80				
0			SAND (sm) - fine SILT (ml) - grey brown	UNFROZEN									0
1													1
2													2
3													3
4													4
5													5
6													6
7			END OF BOREHOLE at 6.6m										7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15

DRILL RIG - MOBILE B-61 AUGER
 DRILL FROM ICE
 WATER DEPTH - 4.1m
 ORIGINAL BOREHOLE NUMBER - 406

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 BS406

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - BREAKERS SHOAL IMPERIAL OIL LIMITED					EBA # E-660 N7741400 E538460 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT						
TYP	NO. Q												
0			SILT (ml) - grey brown	UNFROZEN								0	
1												1	
2												2	
3												3	
4												4	
5												5	
6												6	
7												7	
8												8	
9												9	
10												10	
11												11	
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49												49	

DRILL RIG - MOBILE B-61 AUGER
 DRILL FROM ICE
 WATER DEPTH - 4.3m
 ORIGINAL BOREHOLE NUMBER - 407

SAMPLE TYPE

THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON

PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 BS407

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - BREAKERS SHOAL
IMPERIAL OIL LIMITED

EBA # E-660
N7739900 E539550 ZB

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				SILT (ml) - grey brown	UNFROZEN								0
1													1
2													2
3													3
4													4
5													5
6													6
7				- trace of fine sand to sandy									7
8													8
9				END OF BOREHOLE at 8.2m									9
10													10
11													11
12													12
13													13
14													14
15													15

DRILL RIG - MOBILE B-61 AUGER
DRILL FROM ICE
WATER DEPTH - 5.5m
ORIGINAL BOREHOLE NUMBER - 408

SAMPLE TYPE
 THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON
 PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
BS408

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - BREAKERS SHOAL
IMPERIAL OIL LIMITED

EBA # E-660
N7745350 E537525 Z8

SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲			SPECIAL TESTS	UNIT	DEPTH (ft)
TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT			
			SILT (m) - grey brown	UNFROZEN							0
											1
											2
											3
											4
											5
											6
											7
											8
											9
											10
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											45
											46
											47
											48
											49

END OF BOREHOLE at 7.2m

DRILL RIG - MOBILE B-61 AUGER
DRILL FROM ICE
WATER DEPTH - 5.6m
ORIGINAL BOREHOLE NUMBER - 409

SAMPLE TYPE
 THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON
 PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
BS409

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - BREAKERS SHOAL
IMPERIAL OIL LIMITED

EBA # E-660
N7744480 E535825 Z8

DEPTH (m)	SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲			SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO. Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT			
0			SILT (ml) - slightly organic smell, medium grey								0
1											1
2											2
3				UNFROZEN							3
4			- shells, organics								4
5											5
6											6
7											7
8											8
9											9
10			- trace of organics								10
11											11
12											12
13			- trace of clay, fine sand lens, some organics								13
14											14
15											15

DRILL RIG - MOBILE B-61 AUGER
DRILL FROM ICE
WATER DEPTH - 6.1m
ORIGINAL BOREHOLE NUMBER - 410

SAMPLE TYPE
☐ THIN W. TUBE
☐ NO RECOVERY
☒ SPLIT SPOON
☐ PISTON
☐ CORE
☒ GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
BS410
PAGE 1 OF 2

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - BREAKERS SHOAL IMPERIAL OIL LIMITED				EBA # E-660 N7744480 E535825 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2			SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT			
TYP	NO.	Q									
15			SILT (ml) - (cont'd)								50
16			- some very fine sand, black								51
17											52
18											53
19			- sandy, some clay, organics	UNFROZEN							54
20			END OF BOREHOLE at 19.4m								55
21											56
22											57
23											58
24											59
25											60
26											61
27											62
28											63
29											64
30											65
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											98

DRILL RIG - MOBILE B-61 AUGER
 DRILL FROM ICE
 WATER DEPTH - 6.1m
 ORIGINAL BOREHOLE NUMBER - 410

SAMPLE TYPE

☐ THIN W. TUBE	☐ PISTON
☐ NO RECOVERY	☐ CORE
☐ SPLIT SPOON	☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 BS410
 PAGE 2 OF 2

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - BREAKERS SHOAL IMPERIAL OIL LIMITED				EBA # E-660 N7746600 E538480 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
TYP	NO.	Q										
0			SILT (ml) - moist, some organics, medium grey									0
1												1
2				UNFROZEN								2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10			- trace of organics, medium grey									10
11												11
12			- finely layered, grass blades and organics									12
13			END OF BOREHOLE at 12.8m	UNFROZEN								13
14												14
15												15

DRILL RIG - MOBILE B-61 AUGER
 DRILL FROM ICE
 WATER DEPTH - 6.6m
 ORIGINAL BOREHOLE NUMBER - 411

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 BS411

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - BREAKERS SHOAL IMPERIAL OIL LIMITED				EBA # E-660 N7747955 E539195 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO. Q											
0												0
1												1
2												2
3												3
4												4
5												5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
15												15

DRILL RIG - MOBILE B-61 AUGER DRILL FROM ICE WATER DEPTH - 5.9m ORIGINAL BOREHOLE NUMBER - 412	SAMPLE TYPE THIN W. TUBE NO RECOVERY SPLIT SPOON PISTON CORE GRAB	EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER	BOREHOLE NUMBER BS412
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - BREAKERS SHOAL
IMPERIAL OIL LIMITED

EBA / E-660
N7748620 E539505 Z8

DEPTH (m)	SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT			WATER CONTENT (%)	LIQUID LIMIT	SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO. Q				1.5	1.0	0.5					
0			SILT (ml) – medium grey, moist										0
1													1
2			– no recovery										2
3			SAND (sm) – saturated, silty, very fine, medium grey	UNFROZEN									3
4													4
5			– some medium gravel										5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13				UNFROZEN									13
14			END OF BOREHOLE at 14.0m										14
15													15

DRILL RIG - MOBILE B-61 AUGER
DRILL FROM ICE
WATER DEPTH - 5.8m
ORIGINAL BOREHOLE NUMBER - 413

SAMPLE TYPE
 THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON
 PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
BS413

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - BREAKERS SHOAL
IMPERIAL OIL LIMITED

EBA # E-660
N7749530 E539930 Z8

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				SILT (ml) - medium grey brown			20	40	60	80			0
1													1
2													2
3													3
4													4
5				- sandy									5
6													6
7				- trace of sand									7
8													8
9				SAND (SM) - silty, some clay	UNFROZEN								9
10													10
11													11
12				- fine, medium grey to grey brown, some silt	UNFROZEN								12
13													13
14													14
15				END OF BOREHOLE at 14.6m									15

DRILL RIG - MOBILE B-61 AUGER
DRILL FROM ICE
WATER DEPTH - 5.2m
ORIGINAL BOREHOLE NUMBER - 414

SAMPLE TYPE
 THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON
 PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
BS414

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - BREAKERS SHOAL
IMPERIAL OIL LIMITED

EBA / E-660
N7746590 E535730 Z8

DEPTH (m)	SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO. Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0			SILT (ml) - trace of fine sand, some organics, moist, medium	UNFROZEN								0
1												1
2			- no sand									2
3												3
4												4
5			END OF BOREHOLE at 4.9m									5
6												6
7												7
8												8
9												9
10												10
11												11
12												12
13												13
14												14
15												15
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												49

DRILL RIG - MOBILE B-61 AUGER
DRILL FROM ICE
WATER DEPTH - 6.4m
ORIGINAL BOREHOLE NUMBER - 501

SAMPLE TYPE
☐ THIN W. TUBE ☐ PISTON
☐ NO RECOVERY ☐ CORE
☐ SPLIT SPOON ☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
BS501

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - KADOK
IMPERIAL OIL LIMITED

EBA # E-660
N7747570 E549730 Z8

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				No Recovery									0
1													1
2													2
3	X			SILT (ML) - moist, medium plastic	UNFROZEN			45					3
4	X												4
5				CLAY-SILT (cl) - moist, some organics									5
6	X												6
7	X												7
8	X			- trace of organics, moist, stratified, medium grey brown, non plastic									8
9													9
10													10
11	X			SAND (SP) - clean, medium to fine, trace of silt, uniform	UNFROZEN								11
12				END OF BOREHOLE at 11.0m									12
13													13
14													14
15													15

DRILL RIG - MOBILE B-61 AUGER
DRILLED FROM ICE
WATER DEPTH - 10.2m
ORIGINAL BOREHOLE NUMBER - 416

SAMPLE TYPE
 THIN W. TUBE
 NO RECOVERY
 SPLIT SPOON
 PISTON
 CORE
 GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
KA416

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - KADOK IMPERIAL OIL LIMITED				EBA # E-660 N7747635 E549238 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2.0				PLASTIC LIMIT WATER CONTENT (%) LIQUID LIMIT		SPECIAL TESTS	UNIT		
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C										
TYP	NO.	Q													
0			SILT (ml) - trace of clay, trace of fine sand, slight plasticity, medium grey brown	UNFROZEN										0	
1	X														1
2															2
3	X		CLAY-SILT (ML) - medium plastic												3
4	X														4
5	X														5
6	X														6
7															7
8	X														8
9	X		- low plasticity												9
10															10
11															11
12	X														12
13			SAND (SP-SM) - medium grain size, trace of silt												13
14															14
15														15	

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 10.1m
 ORIGINAL BOREHOLE NUMBER - 419

SAMPLE TYPE

THIN W. TUBE	PISTON
NO RECOVERY	CORE
SPLIT SPOON	GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 KA419
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - BREAKERS SHOAL
IMPERIAL OIL LIMITED

EBA # E-660
N7749840 E533370 Z8

DEPTH (m)	SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	Bulk Density Mg/m ³ ▲				SPECIAL TESTS	UNIT	DEPTH (ft)
	TYP	NO.	Q				PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT				
0				SILT (ml) - sandy (fine), some organics									0
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
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													48
													49

DRILL RIG - MOBILE B-61 AUGER
DRILL FROM ICE
WATER DEPTH - 8.38m
ORIGINAL BOREHOLE NUMBER - 502

SAMPLE TYPE
☐ THIN W. TUBE ☐ PISTON
☐ NO RECOVERY ☐ CORE
☐ SPLIT SPOON ☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
EDMONTON ALBERTA
DRAWING NUMBER

BOREHOLE NUMBER
BS502

BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - KADOK IMPERIAL OIL LIMITED				EBA # E-660 N7747635 E549238 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2			SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE			SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT			
TYP	NO.	Q									
15	M		END OF BOREHOLE at 15.3m	UNFROZEN							50
16											51
17											52
18											53
19											54
20											55
21											56
22											57
23											58
24											59
25											60
26											61
27											62
28											63
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											95
											96
											97
											98

DRILL RIG - MOBILE B-61 AUGER
 DRILLED FROM ICE
 WATER DEPTH - 10.1m
 ORIGINAL BOREHOLE NUMBER - 419

SAMPLE TYPE

☐ THIN W. TUBE

☐ NO RECOVERY

☐ SPLIT SPOON

☐ PISTON

☐ CORE

☐ GRAB

EBA ENGINEERING CONSULTANTS LTD.
 EDMONTON ALBERTA
 DRAWING NUMBER

BOREHOLE NUMBER
 KA419
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BOREHOLE LOG AND LABORATORY TEST RESULTS

1974 DRILLING PROGRAM - KADOK IMPERIAL OIL LIMITED				EBA # E-660 N7747075 E549865 Z8		Bulk Density Mg/m ³ ▲ 1.4 1.6 1.8 2				SPECIAL TESTS	UNIT	DEPTH (ft)
SAMPLE		SOIL DESCRIPTION	GROUND ICE DESCRIPTION	TEMP C	PLASTIC LIMIT	WATER CONTENT (%)	LIQUID LIMIT					
TYP	NO. Q											
0		SILT (ML) - some organics, moist, medium grey										0
1												1
2	X		UNFROZEN									2
3	X											3
4	X											4
5	X											5
6	X											6
7												7
8	X	- some marine shells										8
9	X	SILT-CLAY (ml) - trace of fine sand	UNFROZEN									9
10												10
11												11
12		SAND (sm)										12
13		END OF BOREHOLE at 12.5m										13
14												14
15												15

DRILL RIG - MOBILE B-61 AUGER DRILLED FROM ICE WATER DEPTH - 9.9m ORIGINAL BOREHOLE NUMBER - 420	SAMPLE TYPE THIN W. TUBE NO RECOVERY SPLIT SPOON PISTON CORE GRAB	EBA ENGINEERING CONSULTANTS LTD. EDMONTON ALBERTA DRAWING NUMBER	BOREHOLE NUMBER KA420
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BOREHOLE LOG AND LABORATORY TEST RESULTS