

GEOLOGICAL REPORT

D. TODD BRIGGS NORTHEAST TATHLINA LAKE NO. 2

N.W.T.

J. C. SPROULE & ASSOCIATES
GEOLOGICAL & EXPLORATION CONSULTANTS

901 EIGHTH AVENUE WEST
CALGARY — ALBERTA

TELEPHONES
2428-24374

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LOGS - Electrical Log, Microlaterolog and Gamma Ray-Neutron Log Visual Log	In Pocket

SUMMARY OF PERTINENT WELL DATA

Well Name: D. Todd Briggs Northeast Tathlina Lake No. 2
Location: 60° 47' 36.50" N. Lat.
 117° 17' 57.30" W. Long.
Elevation: Ground 776'
 K.B. 786'
Total Depth: 2461'
Operator: J. B. White and A. K. Lloyd
Technical Supervision: J. C. Sproule & Associates
 Norman Soul - Geologist
Drilling Contractor: Husky Oil & Refining Ltd. - Rig No. 1
Spudded: January 9, 1957
Abandoned: February 1, 1957
Status: Abandoned
Drilling Data:

Hole Size 13 3/4" from surface to 269'
 9" from 269' to 2433'
 6 1/4" from 2433' to 2461'

<u>Deviation Surveys</u>	188'	1/2°
	240'	1°
	400'	3/4°
	885'	1/4°
	1800'	0

Casing: Surface Casing 253.35' x 10 3/4" x 32.75#,
 Stewart & Lloyd cemented with
 120 sax, Jan. 15/57, at 263' K.B.

Geological Markers:

<u>Formation & Marker</u>	<u>Samples & Core</u>		<u>E-log</u>	
	<u>Depth</u> (Feet)	<u>Elev.</u> (Feet)	<u>Depth</u> (Feet)	<u>Elev.</u> (Feet)
Slave Point	1817	-1031	1814	-1028
Watt Mountain	2034	-1248	2032	-1246
Presqu'ile	2040	-1254	2038	-1252
Pine Point	2120	-1334	2120	-1334

Core Summary:

Core No. 1	2021'-2042'	Rec. 21'
Core No. 2	2043'-2073'	Rec. 30'
Core No. 3	2074'-2104'	Rec. 30'
Core No. 4	2433'-2461'	Rec. 28'

TOTAL

109'

100% RECOVERY

- NR

Summary of Drill Stem Tests:

No. 1	1816'-1829'	Misrun. Packer would not go below 1200'.
No. 2	1816'-1829'	Misrun. Tool would not open.
No. 3	2046'-2073'	V.O. 2 hours. Recovered 48' mud.

Abandonment Program:

Plug No. 1	2390'-2461'	25 sax, displaced with 10 barrels.
Plug No. 2	2000'-2100'	40 sax, displaced with 14 barrels.
Plug No. 3	240'-290'	28 sax, displaced with 2 barrels.
Plug No. 4	5 sax in top of surface casing; welded steel plate on top.	

Logs:

Schlumberger Electrical Log	263'-2458'
Microlaterlog	1800'-2456'
Caliper Log	1800'-2456'
Gamma Ray-Neutron Log	20'-2459'

DAILY CHRONOLOGICAL WELL REPORTWell Name: D. Todd Briggs Northeast Tathlina Lake No. 2

(Operations to 12.00 midnight)

<u>Date</u>	<u>Total Depth</u>	<u>Progress</u>	<u>Days</u>	<u>Remarks</u>
Jan. 9	23	13	1	Drilling rathole - 11 hours. Spudded 8.30 p.m. Drilling 13-3/4" hole Bit No.1 - 3-1/2 hours. Repairs - 4-1/2 hours. Conditioning mud - 4 hours. Servicing - 1 hour.
Jan. 10	188	165	2	Drilling 13-3/4" hole Bit No.1 - 8 hours. Drilling 9" hole Bit No.2 - 14 hours. Repairs - 1 hour. Trip - 1 hour.
Jan. 11	251	63	3	Drilling 9" hole Bit No.2 - 11-1/2 hours. Reaming - 13-3/4" hole Bit No.1 - 7 hours. Servicing Core Barrel - 4-1/4 hours. Trip - 1-1/4 hours.
Jan. 12	269	18	4	Reaming 13-3/4" hole Bit No.1 - 4 hours. Reaming - 13-3/4" hole Bit No.3 - 14-1/4 hours. Drilling - 13-3/4" hole Bit No.3 - 2-1/2 hours. Trips - 1-1/2 hours. Deviation Survey - 1/2 hour. Repairs - 1-1/3 hours.
Jan. 13	470	201	5	Drilling - 9" hole Bit No.4 - 21-1/4 hours. Deviation Survey - 1/4 hour. Trip - 1-1/2 hours. Repairs - 1 hour.
Jan. 14	503	3	6	Drilling - 9" hole Bit No.4 - 4-1/4 hours. Trips - 2 hours. Conditioning hole, circulating - 9-3/4 hours. Unsuccessful casing cement job - 8 hours.

<u>Date</u>	<u>Total Depth</u>	<u>Progress</u>	<u>Days</u>	<u>Remarks</u>
Jan. 15	503	0	7	Conditioning mud - 6 hours. Pulling surface casing - 3 hours. Rigging up to run casing - 2-1/2 hours. Running 8 joints and float shoe = 253.35' x 32.75 lbs., Stewart & Lloyd, HS, 8 thread, 10-3/4" casing to 263" K.B. - 1-1/4 hours. Circulating - 1/2 hour. Cementing casing with 120 sax (14.2 lb/gal. slurry) - 1-1/2 hours. Plug on bottom: 2.56 p.m. Standing cemented - 9-1/4 hours.
Jan. 16	503	0	8	Slacked off casing at 3.15 p.m. Backed off landing joint, installed 1' x 10-3/4" nipple and National Series 600 casing bowl. Installed Sheffer blowout preventer. Pressured up with 500 psi. for 10 minutes. No leaks. Standing cemented - 24 hours.
Jan. 17	970	467	9	Picked up drill collars, measured in, felt cement and plug at 259'. Drilled through shoe at 263' at 2.00 a.m. Casing stood cemented for 35 hours. Drilled 9" hole with Bit No.5. Drilling - 19-3/4 hours. Standing cemented - 1-3/4 hours. Circulating and conditioning mud - 1/2 hour. Repairs - 1/4 hour. Deviation survey - 1/4 hour. Half trip - 1-1/2 hours.
Jan. 18	1166	196	10	Drilling - 8-1/2 hours. Trips - 9 hours. Working on plugged bit - 2 hours. Cleaning to bottom - 4-1/2 hours.
Jan. 19	1495	329	11	Drilling - 16-1/2 hours. Repairs - 4-1/2 hours. Conditioning mud - 2-1/2 hours. Part trip - 1/2 hour.
Jan. 20	1829	334	12	Drilling - 13-3/4 hours. Conditioning mud and circulating - 4-1/2 hours. Trips - 5-1/4 hours. Repairs - 1/2 hour.

<u>Date</u>	<u>Total Depth</u>	<u>Progress</u>	<u>Days</u>	<u>Remarks</u>
Jan. 21	1829	0	13	Conditioning mud and circulating - 15 hours. Making up, running and pulling packer - 5-1/4 hours. Trips - 3-3/4 hours. Unable to get below 1200' with tool.
Jan. 22	1835	6	14	Conditioning mud and circulating - 6-1/2 hour. Testing, D.S.T. No. 2 1816'-1829'. Tool failed to open - 8 hours. Trips - 3-1/2 hours. Repairs - 4-1/2 hours. Circulating - 1 hour. Drilling - 1/2 hour.
Jan. 23	1932	97	15	Drilling - 17-3/4 hours. Circulating - 2-1/2 hours. Trip Time - 3-1/4 hours. Repairs - 1/2 hour.
Jan. 24	2021	89	16	Drilling - 13-1/4 hours. Circulating - 1-3/4 hours. Trip Time - 8-1/4 hours. Servicing Core Barrel - 3/4 hour.
Jan. 25	2063	42	17	Coring - 7-1/2 hours. Circulating - 1-1/4 hours. Reaming - 2 hours. Servicing core barrel and handling core - 2 hours. Trip Time - 11-1/4 hours.
Jan. 26	2074	11	18	Coring - 2 hours. Handling core - 1-1/2 hours. Testing, D.S.T. No. 3 2046'-2073' - 9-1/2 hours. Reaming - 3-1/2 hours. Drilling - 1/4 hour. Circulating - 1/2 hour. Trip time - 6-3/4 hours.
Jan. 27	2128	54	19	Coring - 7-1/4 hours. Handling core - 1-1/2 hours. Circulating - 1/2 hour. Reaming - 4 hours. Crilling - 2-1/2 hours. Trip time - 7-3/4 hours. Repairs - 1/2 hour.

<u>Date</u>	<u>Total Depth</u>	<u>Progress</u>	<u>Days</u>	<u>Remarks</u>
Jan. 28	2219	91	20	Drilling - 13 hours. Trip time - 4-1/2 hours. Circulating - 1/2 hour. Repairs and servicing - 1 hour.
Jan. 29	2320	101	21	Drilling - 20-1/4 hours. Trip time - 3 hours. Circulating - 1/2 hour. Servicing - 1/4 hour.
Jan. 30	2422	102	22	Drilling - 19-1/4 hours. Repairs - 2-3/4 hours. Trip time - 2 hours.
Jan. 31	2461 T.D.	39	23	Drilling - 2 hours. Coring - 3 hours. Circulating 1-3/4 hours. Servicing core barrel and core - 2 hours. Running electrical log and microlaterolog - 8 hours. Trip time - 7-1/4 hours.
Feb. 1	2461	-	24	Running Gamma Ray-Neutron log - 5 hours. Laying down drill cellars - 1-3/4 hours. Running cement plugs - 10-1/4 hours. Tearing out - 7 hours.

BIT RECORD

Well Name: D. Todd Briggs Northeast Tathlina Lake No. 2

No.	Size	Type	Serial No.	Depth		Footage	Hours	
				From	To			
1	13 3/4"	OSC3	18250	Surface	42	34	11 1/2)	Drilling
2	9"	S6	157866	42	158	116	11)	Reaming
3	13 3/4"	OSC3	18394	42	251	209	25 1/2	
4	9"	S6	160184	158	251	93	14 1/4)	Reaming
5	9"	S6	160183	251	269	18	2 1/2)	Drilling
6	9"	OSC1G	94069	269	503	234	25 1/2	
7	9"	OSC1G	94709	503	1055	552	24 1/4	
8	9"	OSC	1700	1055	1495	440	20	
9	9"	OSC	65961	1495	1829	334	13 3/4	
10	6 1/4"	J-10	12597	1829	1932	103	18 1/4	
11	9"	S6	156311	1932	2021	89	13 1/4	
10	6 1/4"	J-10	12597	2021	2042	21	4	Coring
11	9"	S6	156311	2021	2042	21	2)	Reaming
10	6 1/4"	J-10	12597	2042	2043	1	1/12)	Drilling
11	9"	S6	156311	2043	2073	30	5 1/2	Coring
10	6 1/4"	J-10	12597	2043	2073	30	3 1/2)	Reaming
12	9"	OSC	91292	2073	2074	1	1/5)	Drilling
13	9"	OSC	95327	2074	2104	30	7 1/4	Coring
14	9"	MLM	154532	2074	2104	30	4)	Reaming
10	6 1/4"	J-10	12597	2104	2196	42	17)	Drilling
				2196	2320	124	23 3/4	
				2320	2433	113	21 1/4	
				2433	2461	28	3	Coring

Bit No. 10 - Christensen Diamond Core Head cored 109' in 19 3/4 hours.

MUD RECORDWell Name: D. Todd Briggs Northeast Tathlina Lake No. 2

<u>Date</u>	<u>Weight</u> (pounds)	<u>Viscosity</u> (seconds)	<u>Water Loss</u> (c.c.)	<u>Additives</u>
Jan. 9	-	-	-	4300# Magcogel
Jan. 10	10.0	55	-	-
Jan. 11	10.0	59	-	-
Jan. 12	10.0	51	-	-
Jan. 13	10.1	50	-	200# Magcogel
Jan. 14	10.2	50	-	-
Jan. 15	9.8	41	-	500# sodium bicarbonate 100# quebracho 800# Magcogel
Jan. 16	-	-	-	-
Jan. 17	9.6	47	9	500# sodium bicarbonate 150# caustic soda 250# Quebracho 400# Magcogel 700 gal. diesel oil
Jan. 18	10.0	47	7.1	120# Quebracho 60# caustic soda
Jan. 19	10.6	53	6.4	350# Quebracho 75# caustic soda 500# Magcogel 400 gal. diesel oil
Jan. 20	9.9	41	8.3	2500# Magcogel
Jan. 21	10.0	49	6.8	-
Jan. 22	10.3	65	5.5	1000# Magcogel 50# Quebracho
Jan. 23	10.1	84	4.7	50# Quebracho 2500 gal. diesel oil
Jan. 24	10.0	67	5.7	-

<u>Date</u>	<u>Weight</u> (pounds)	<u>Viscosity</u> (seconds)	<u>Water Loss</u> (c.c.)	<u>Additives</u>
Jan. 25	10.1	57	5.4	-
Jan. 26	10.1	49	5.7	-
Jan. 27	10.0	49	5.9	-
Jan. 28	9.8	48	6.2	-
Jan. 29	10.1	55	6.4	1000# Magcogel
Jan. 30	10.2	65	5.2	-
Jan. 31	10.4	65	5.8	-

SURFACE CASING

Well Name: D. Todd Briggs Northeast Tathlina Lake No. 2

Stewart and Lloyd, 10 3/4" x 32.75#, HS, 8 thread

<u>Casing Tally</u>	1	30.85
	2	32.30
	3	33.90
	4	30.40
	5	30.50
	6	30.95
	7	28.65
	8	<u>34.05</u>
		251.50 - 8 joints casing
		<u>1.85</u> - Larkin Float Shoe
		<u>253.35</u>

Cement job January 15, 1957, by Husky Oil Rig No. 1.
 Welded shoe and bottom 4 joints of casing.
 Ran 8 joints of casing to 263' K.B. Bottom of 13 3/4" hole at 269'.
 Running casing 11:30 a.m. to 12:45 p.m.
 Circulating and working casing 12:45 p.m. to 1:15 p.m.
 Started mixing 1:30 p.m.
 Finished mixing 120 sax at 2:12 p.m. Slurry weight 14.2#/gal.(U.S.)
 Cement in pipe 2:18 p.m.
 Started pumping plug 2:29 p.m.
 Plug on bottom 2:44 p.m. Pressure built up to 500 p.s.i.
 Bled off and bumped plug again with 500 p.s.i.
 Obtained positive cement returns.

253.35 x 10 3/4" at 263' K.B., C.120 sax, 3:00 p.m., January 15.

TIME DRILLING RECORDWell Name: D. Todd Briggs Northeast Tathlina Lake No. 2

<u>Depth</u>	<u>Time in Minutes</u>	<u>Depth</u>	<u>Time in Minutes</u>
	<u>Drilling Time</u>		
1815	2, 2, 7, 7, 7,	1940	5, 5, 5, 5, 5, 7, 6, 7, 7, 7,
1820	11, 9, 12, 6, 5, 7, 9, 9, 7, 3,	1950	6, 7, 6, 6, 6, 6, 8, 7, 7, 7,
1830	4, 4, 5, 5, 5, 7, 5, 6, 6, 6,	1960	7, 6, 8, 7, 7, 7, 7, 8, 10, 7,
1840	7, 6, 7, 7, 7, 6, 7, 8, 6, 6,	1970	8, 8, 9, 10, 10, 6, 10, 10, 10, 10,
1850	7, 7, 7, 8, 7, 9, 7, 7, 7, 7,	1980	10, 10, 9, 11, 9, 10, 11, 9, 8, 10,
1860	8, 7, 8, 7, 9, 6, 6, 6, 6, 6,	1990	9, 10, 11, 8, 10, 8, 10, 9, 7, 11,
1870	7, 8, 8, 7, 7, 8, 8, 8, 8, 9,	2000	10, 7, 9, 10, 10, 11, 9, 8, 8, 7,
1880	9, 8, 9, 10, 9, 11, 11, 14, 9, 8,	2010	7, 9, 8, 8, 10, 8, 11, 13, 21, 17,
1890	10, 12, 9, 11, 10, 10, 9, 10, 12, 12,		<u>Coring Time</u>
1900	10, 10, 11, 11, 12, 12, 10, 11, 12, 13,	2020	- , 14, 13, 13, 12, 12, 13, 13, 12, 10,
1910	13, 14, 10, 12, 12, 12, 11, 13, 10, 10,	2030	11, 13, 11, 12, 12, 11, 11, 10, 10, 10,
1920	7, 13, 16, 16, 22, 23, 20, 27, 21, 26,	2040	11, 11, - , 17, 15, 10, 11, 11, 10, 10,
1930	26, 37, 6, 5, 4, 6, 4, 5, 5, 4,	2050	11, 11, 10, 9, 9, 8, 9, 8, 11, 9,
		2060	10, 10, 11, 11, 10, 10, 10, 11, 12, 14,

<u>Depth</u>	<u>Time in Minutes</u>	<u>Depth</u>	<u>Time in Minutes</u>
2070	12, 14, 13, -, 25, 20, 17, 13, 15, 15,	2220	10, 10, 12, 12, 12, 12, 12, 12, 13, 13,
2080	15, 15, 17, 13, 15, 17, 15, 15, 14, 15,	2230	13, 12, 12, 13, 13, 12, 12, 10, 10, 9,
2090	14, 13, 13, 15, 15, 12, 14, 14, 10, 10,	2240	9, 10, 9, 9, 10, 12, 12, 12, 13, 13,
2100	14, 16, 16,	2250	12, 12, 10, 12, 11, 11, 12, 12, 13, 5,
<u>Drilling Time</u>		2260	3, 13, 12, 11, 14, 16, 15, 10, 12, 13,
2100	-, -, -, -, 5, 8, 7, 7, 7, 7,	2270	11, 13, 10, 10, 12, 11, 11, 9, 9, 12,
2110	7, 7, 5, 5, 8, 6, 6, 8, 7, 6,	2280	9, 15, 12, 12, 15, 12, 10, 12, 11, 11,
2120	4, 7, 7, 7, 7, 5, 12, 5, 8, 8,	2290	12, 13, 12, 11, 11, 11, 14, 15, 11, 15,
2130	7, 5, 8, 8, 10, 10, 9, 15, 10, 10,	2300	16, 16, 15, 14, 11, 12, 11, 13, 11, 15,
2140	7, 9, 7, 9, 10, 10, 11, 11, 9, 9,	2310	13, 10, 11, 11, 12, 11, 11, 15, 12, 15,
2150	9, 10, 11, 12, 11, 9, 8, 8, 10, 15,	2320	10, 12, 12, 13, 10, 11, 11, 12, 12, 10,
2160	13, 11, 13, 12, 11, 12, 11, 9, 9, 10,	2330	11, 11, 9, 10, 9, 9, 9, 7, 7, 8,
2170	10, 11, 16, 17, 12, 18, 15, 16, 13, 15,	2340	8, 9, 10, 10, 11, 11, 11, 11, 11, 10,
2180	8, 8, 14, 16, 22, 19, 23, 18, 14, 16,	2350	11, 12, 12, 10, 13, 11, 13, 13, 10, 12,
2190	13, 14, 18, 20, 18½, 14, 8, 8, 7, 6,	2360	12, 11, 12, 10, 10, 12, 11, 12, 12, 14,
2200	5, 7, 7, 6, 5, 6, 8, 8, 8, 9,	2370	10, 11, 13, 12, 9, 9, 6, 11, 8, 10,
2210	8, 7, 10, 10, 8, 7, 9, 10, 12, 12,		

<u>Depth</u>	<u>Time in Minutes</u>
2380	8, 10, 9, 8, 11, 14, 11, 13, 9, 14,
2390	12, 10, 12, 10, 9, 10, 10, 10, 10, 9,
2400	10, 11, 13, 11, 12, 11, 10, 12, 12, 15,
2410	11, 15, 12, 14, 12, 13, 13, 11, 13, 15,
2420	11, 13, 10, 13, 14, 13, 11, 11, 12, 12,
2430	11, 11,

Coring Time

2430	-, -, 16, 6, 6, 5, 7, 5, 6, 6,
2440	5, 5, 5, 6, 7, 4, 4, 6, 7, 6,
2450	7, 8, 7, 6, 6, 6, 6, 8, 5, 7, 7,

SAMPLE DESCRIPTION

Well Name: D. Todd Briggs Northeast Tathlina Lake No. 2

<u>Depth</u> (Feet)	<u>Description</u>
Surface - 35	Sand - medium to coarse grained, quartz, unconsolidated, interbedded with gravel and boulders.
35 - 60	Limestone - light to medium grey, crystalline to finely granular, impure, pyritic, traces of fossils.
60 - 80	Shale - green, soft, fissile, disintegrates in acid but non-calcareous.
80 - 100	Limestone - buff, coarse-grained, highly fossiliferous, interbedded with soft, green shale.
100 - 110	Shale - chocolate brown, soft, non-calcareous, grading into harder brown calcareous shale.
110 - 120	Savings from glacial drift.
120 - 150	Shale - green and greyish green, calcareous, interbedded with greyish green shaly limestone.
150 - 160	Limestone - buff, crystalline.
160 - 170	Limestone - medium to dark grey, crystalline.
170 - 180	Limestone - buff, crystalline and coarsely crystalline, pyritic and fossiliferous.
180 - 200	Limestone - medium to dark grey, crystalline, interbedded with green, limy shale and shaly limestone.
200 - 250	Limestone - buff to medium grey, crystalline, fossiliferous, irregularly interbedded with green shale.
250 - 280	Limestone - grey, argillaceous, finely crystalline.
280 - 300	Limestone - buff to brown, coarsely crystalline, fossiliferous.
300 - 320	Limestone - greenish grey, shaly, pyritic.

<u>Depth</u> (Feet)	<u>Description</u>
320 - 350	Limestone - buff to brown, coarsely crystalline, fossiliferous.
350 - 370	Limestone - buff, dense to microcrystalline, fossiliferous.
370 - 380	Limestone - greenish grey, silty, interbedded with green, calcareous shale.
380 - 400	Limestone - buff, crystalline, fossiliferous, interbedded with greenish grey, shaly limestone.
400 - 410	Limestone - buff to brown, crystalline to coarsely crystalline, fossiliferous.
410 - 420	Limestone - buff, cryptocrystalline to crystalline, fossiliferous.
420 - 430	Shale - green, soft, fossiliferous.
430 - 440	Limestone - grey and greenish grey, shaly, fossiliferous, with thin partings of green shale.
440 - 450	Limestone - buff, cryptocrystalline to crystalline, and limestone - greenish grey, shaly, fossiliferous.
450 - 490	Limestone - grey and greenish grey, shaly. Limestone - buff to brown, cryptocrystalline to crystalline, fossiliferous; minor green shale.
490 - 500	Shale - green, slightly calcareous.
500 - 505	Limestone - buff, dense, very hard. Surface casing set at 763' and shale shaker installed.
505 - 520	Limestone - buff and light to medium grey, dense to microcrystalline.
520 - 560	Limestone - buff to light brown, dense.
560 - 590	Shaly limestone and limy shale - grey to greenish grey.
590 - 610	Limestone - buff to brown, dense to crystalline, interbedded with greenish grey shaly limestone.
610 - 630	Shaly limestone and limy shale - greyish green.
630 - 640	Limestone - buff to brown, medium to coarse grained, fragmental, fossiliferous.
640 - 650	Shaly limestone - greenish grey, interbedded with buff, dense limestone.

<u>Depth</u> (Feet)	<u>Description</u>
650 - 660	Limestone - buff, brown and gray, crystalline, fossiliferous. Limestone - buff, dense to cryptocrystalline.
660 - 670	Shale - greenish grey, calcareous.
670 - 730	Interbedded shaly limestone, greenish grey and limy shale, greyish green and greenish grey.
730 - 740	Limestone - buff to brown, coarsely fragmental with black specks and many fossil fragments interbedded with greyish green calcareous shale and greyish green shaly limestone.
740 - 760	Limestone - buff to brown, speckled, coarsely fragmental to coarsely crystalline, fossiliferous.
760 - 770	Limestone - buff, dense to cryptocrystalline interbedded with shaly limestone and limy shale, grey to greenish grey.
770 - 820	Shale - grey, calcareous, interbedded with shaly limestone, grey and greenish grey.
820 - 830	Limestone - buff, dense to cryptocrystalline.
830 - 860	Shaly limestone and limy shale - grey and greenish grey.
860 - 880	Limestone - buff, dense to cryptocrystalline.
880 - 890	Shaly limestone and limy shale - grey to greenish grey.
890 - 900	Shaly limestone and limy shale - brown.
900 - 910	Shaly limestone and limy shale - grey and brownish grey.
910 - 930	Shaly limestone and limy shale - predominantly grey.
930 - 950	Shale - grey and greenish grey, calcareous.
950 - 960	Shaly limestone - grey, greenish grey and brownish grey.
960 - 980	Shale - grey to greenish grey, calcareous, silty.
980 - 990	Limestone - buff to brown, dense, interbedded with shaly limestone, grey to brownish grey.
990 - 1000	Shale - grey to greenish grey, calcareous, and shaly limestone - grey to greenish grey and brownish grey.
1000 - 1010	Shaly limestones - grey to greyish brown.

<u>Depth</u> (Feet)	<u>Description</u>
1010 - 1020	Shale - grey, calcareous, interbedded with shaly limestone, grey to greyish brown.
1020 - 1030	Shaly limestone - grey to greenish grey and brownish grey, interbedded with shale, grey to greenish grey, calcareous.
1030 - 1060	Limestone - buff to brown, dense to microcrystalline.
1060 - 1080	Shale - grey and greyish brown, calcareous, interbedded with grey shaly limestone.
1080 - 1100	Shale - brown, slightly calcareous, grading into shaly limestone.
1100 - 1120	Shale - grey and greenish grey, calcareous, with thin interbeds of brown, shaly limestone.
1120 - 1150	Shale - grey to greenish grey, calcareous.
1150 - 1160	Shale - as above, with thin bands of limestone, buff, dense to crystalline.
1160 - 1180	Shale - medium to dark grey, micromicaceous, slightly calcareous.
1180 - 1190	Shale - dark grey, non-calcareous.
1190 - 1200	Limestone - buff, dense to crystalline, interbedded with brown non-calcareous shale.
1200 - 1220	Shale - green, calcareous.
1220 - 1230	Shale - brown, slightly calcareous, silty.
1230 - 1240	Shale - greyish green, calcareous.
1240 - 1250	Shale - greyish green and brown, both slightly calcareous.
1250 - 1290	Shale - greyish green, calcareous.
1290 - 1300	Shale and silty shale - medium to dark brown, slightly calcareous.
1300 - 1340	Shale - greyish green, calcareous.
1340 - 1350	Limestone - buff, dense to microcrystalline.
1350 - 1370	Shale - greyish green, calcareous.
1370 - 1380	Limestone - buff to brown, dense to microcrystalline, silty.

<u>Depth</u> (Feet)	<u>Description</u>
1380 - 1390	Shale - greyish green, calcareous, interbedded with limestone, buff, dense and shaly limestone, grey.
1390 - 1470	Shale - greyish green, calcareous.
1470 - 1480	Shale - dark grey to dark brown, slightly calcareous.
1480 - 1530	Shale - greenish grey, calcareous, with few thin bands of limestone, buff, dense.
1530 - 1650	Shale - dark grey to greenish grey, with few thin bands of shaly limestone, grey to greenish grey, and limestone, buff, dense.
1650 - 1710	Shale - grey to greenish grey, calcareous.
1710 - 1720	Shale - grey to greenish grey, calcareous, abundant pyrite crystals.
1720 - 1740	Shale and siltstone - dark brown, calcareous.
1740 - 1780	Shaly limestone - light grey, containing abundant pyrite crystals, interbedded with shale - greyish green, greenish grey and brown, all calcareous.
1780 - 1790	Shaly limestone - light grey, pyritic, and limestone - grey to buff, dense to microcrystalline, interbedded with shale, grey, non-calcareous and greenish grey, slightly calcareous.
1790 - 1810	Shale - grey, non-calcareous and greenish grey, slightly calcareous, abundant pyrite.
1810 - 1815	Shale - grey and greenish grey, slightly calcareous and brown, non-calcareous.
<u>Top of Slave Point</u> - 1814' (E-log)	
1815 - 1830	Limestone - buff, light brown and light grey, cryptocrystalline to crystalline; traces of vuggy porosity, some fair intercrystalline porosity and abundant pin-point porosity after corals and other fossils; irregular partings of dark grey bituminous shale.
1830 - 1835	Limestone - buff to light brown, microcrystalline, traces of pin-point porosity.
1835 - 1885	Limestone - buff to light brown, dense to microcrystalline, no apparent porosity.

<u>Depth</u> (Feet)	<u>Description</u>
1885 - 1890	Limestone - as above, with prominent irregular partings of dark grey to black, bituminous shale; prominent pyrite crystals.
1890 - 1900	Limestone - light grey to light brown, cryptocrystalline to finely crystalline.
1900 - 1910	Limestone - buff to brown, dense to crystalline, irregular dark grey, bituminous shale partings, crystals of pyrite and calcite.
1910 - 1920	Limestone - light grey to light brown, dense, pyritic.
1920 - 1930	Limestone - buff to light brown, dense to microcrystalline, with partings of dark grey, bituminous, non-calcareous shale.
1930 - 1935	Limestone - buff to brown, microcrystalline to crystalline, pyritic.
1935 - 1945	Limestone - buff to light brown, fine to medium grained, fragmental. Limestone - buff, dense to cryptocrystalline.
1945 - 1970	Limestone - brown, medium grained, fragmental, traces of porosity, pyritic, minor thin irregular partings of dark grey bituminous shale.
1970 - 1990	Limestone - buff to brown, dense to microcrystalline.
1990 - 1995	Shale - dark grey, non-calcareous. Limestone - light grey to buff, dense to microcrystalline.
1995 - 2000	Limestone - buff to light brown, dense to microcrystalline.
2000 - 2005	Limestone - brown, dense.
2005 - 2010	Limestone - brown, dense to finely crystalline, apparently fractured, traces of scattered porosity, pyritic, traces of oil staining under fluoroscope.
2010 - 2020	Limestone - light brown, dense to microcrystalline, pyritic, with thin irregular partings of dark grey, calcareous shale.
2020 - 2104	See core descriptions.
2104 - 2110	Limestone - greyish white with pinkish cast, cryptocrystalline to crystalline, no apparent porosity.
2110 - 2120	Limestone - as above, finely crystalline, poor scattered porosity and traces of oil staining.

<u>Depth (Feet)</u>	<u>Description</u>
<u>Top of Pine Point - 2120'</u>	
2120 - 2125	Limestone - dark brown, microcrystalline to crystalline, hard, tight.
2125 - 2155	Limestone - as above, with irregular partings of dark brown, bituminous shale, fossiliferous below 2135'.
2155 - 2160	Limestone - medium brown, crystalline, fossiliferous, traces of poor porosity.
2160 - 2170	Limestone - light brown, fine grained, fragmental, traces of porosity.
2170 - 2185	Limestone - dark brown, microcrystalline, bituminous, fossiliferous (brachiopods).
2185 - 2190	Limestone - brown, crystalline.
2190 - 2200	Limestone - dark brown, argillaceous, bituminous, fossiliferous.
2200 - 2240	Limestone - dark brown, argillaceous, bituminous, with abundant crinoid stems and other fossils.
2240 - 2250	Shale - dark grey, non-calcareous, interbedded with limestone, dark brown, shaly, bituminous, fossiliferous.
2250 - 2260	Limestone - dark brown, shaly, bituminous, fossiliferous.
2260 - 2265	Dolomite - dark brown, crystalline, sugary texture, pin-point porosity, saturated with heavy, dark oil. Drilling time shows two feet of fast drilling from 2259' to 2261'.
2265 - 2270	Limestone - medium to dark brown, shaly, bituminous, fossiliferous.
2270 - 2280	Shale - dark grey, non-calcareous.
2280 - 2320	Limestone - medium to dark brown, crystalline, fossiliferous, bituminous.
2320 - 2330	Shale - soft, green, fissile, calcareous, interbedded with limestone, light to dark brown, cryptocrystalline to crystalline.
2330 - 2360	Limestone - medium to dark brown, shaly, highly fossiliferous.
2360 - 2365	Limestone - buff to light brown, microcrystalline to crystalline, fossiliferous.

<u>Depth</u> (Feet)	<u>Description</u>
2365 - 2370	Limestone - brown to dark brown, microcrystalline to crystalline, resinous lustre, fossiliferous, pyritic.
2370 - 2380	Shale - green, non-calcareous.
2380 - 2390	Limestone - brown to dark brown, coarsely crystalline, highly crinoid traces of porosity and oil staining.
2390 - 2415	Limestone - light brown to dark brown, fine to medium grained, fragmental, many fossil fragments, no apparent porosity.
2415 - 2420	Dolomite - grey, crystalline, porous, no staining, and dolomite - dark brown, finely crystalline, tight.
2420 - 2433	Dolomite - brown, finely crystalline to crystalline, traces of good intercrystalline porosity, no oil staining, prominent dark green, calcareous shale.
2433 - 2461	See Core Description.
2461	Total Depth

CORE DESCRIPTION

Well Name: D. Todd Briggs Northeast Rathlina Lake No. 2

Core No. 1 2021'-2042' Rec. 21'

2021' - 2033'

11'

Limestone - light brown, dense, hard, breaks with semi-conchoidal fracture, vertical cracks filled with calcite and pyrite; thin irregular partings of dark grey, calcareous shale.

2033' - 2034'

1'

Limestone - dark brown, cryptocrystalline; contains small fragments of dark green, calcareous shale at top; base consists of irregularly interbedded limestone and dark green, calcareous shale.

Hatt Mountain (?) Formation - 2034'

2034' - 2040'

6'

Limestone breccia - composed of bright green calcareous shale and buff to light brown crystalline limestone, pyritic.

Presqu'ile (?) Formation - 2040'

2040' - 2042'

2'

Limestone - light grey to light brown, crystalline, fractured, poor porosity, slight staining of live oil at 2041'; irregular partings of green shale.

Core No. 2 2043'-2073' Rec. 30'

2043' - 2070'

27'

Limestone - light grey to light brown, crystalline, poor scattered intercrystalline porosity; many fractures, some filled with calcite and pyrite; stylolitic partings and some irregular partings of bright green shale; scattered live oil staining and bleeding from 2046'-2048', 2049'-2051', 2052.5'-2063' and at 2065'.

2070' - 2073'

3'

Limestone - light to medium brown, crystalline, no apparent porosity or oil staining, stylolitic partings.

Core No. 3 2074'-2104' Rec. 30'

2074' - 2082'

8'

Limestone - dark brown, crystalline, hard, tight, fractured, slight dead oil staining; partings of dark grey bituminous shale and pyrobitumen.

2082' - 2085'

3'

Limestone - brown, dense, fossiliferous; numerous stylolitic partings and irregular partings of green calcareous shale.

2085' - 2094'

9'

Limestone - dark brown, finely crystalline, fossiliferous, bituminous; irregular thin partings of pyrobitumen.

2094' - 2098'

4'

Limestone - brown, crystalline, very fossiliferous, numerous irregular partings of green shale, traces of oil staining.

2098' - 2100'

2'

Limestone - brown, crystalline, fair intercrystalline porosity and fair oil staining.

2100' - 2104'

4'

Limestone - light grey to buff, cryptocrystalline to crystalline, fossiliferous, no apparent porosity; few irregular partings and inclusions of green shale.

Core No. 4 2433'-2461' Rec. 28'

2433' - 2447'

14'

Dolomite - dark brown, crystalline, poor scattered intercrystalline porosity, some scattered open vugs apparently unconnected, traces of oil staining with bleeding oil at 2439', strong sulphurous odor; stylolitic partings.

2447' - 2461'

14'

Dolomite - dark brown, cryptocrystalline to crystalline, hard and tight, strong sulphurous odor; stylolitic partings and very thin partings of dark brown bituminous shale.

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

10548 - 114 St.

EDMONTON, ALBERTA

PHONES: 25624
42562

FULL DIAMETER CORE STUDY

Operator **New** D. Todd Briggs Nominee Account **Field** Tathlina Lake, N.W.T. **Well No.** D. Todd Briggs NE E Tathlina Lake #2
Location Unsurveyed **Formation** Slave Point Lime **Depths** 2021.0' - 2103.5' **Date** Feb. 20, 1957 **Lab No.** 9377

Footage of Slave Point Lime formation cored	109.0'	No. of representative samples selected for analysis	65
<u>FEET OF CORE:</u>			
Received at laboratory for analysis	112.9'	Compared (to tested samples)	2.1'
Extra	3.9'	Dense sections not represented	----
Represented by samples	110.8'	Badly fractured sections not represented	----
<u>SUMMARY OF REPRESENTED SECTIONS:</u>			
		(1) $\frac{\text{represented}}{\text{received}}$ $\frac{112.9}{112.9}$	(2) $\frac{\text{represented}}{\text{cored}}$ $\frac{112.9}{109.0}$
Weighted average porosity	2.55 %	Maximum porosity	10.4 %
Weighted average radial permeability	13.14 md.	Minimum porosity	0.5 %
Weighted average vertical permeability	0.19 md.	Maximum radial permeability	842. md.
Weighted average maximum permeability	13.14 md.	Minimum radial permeability	0.001 md.
Porosity Feet	287.67	Maximum vertical permeability	7.9 md.
		Minimum vertical permeability	0.001 md.

CORE WITH MAXIMUM PERMEABILITY:

	10.0 md. or greater	between 1.0 and 9.9 md. inclusive	less than 1.0 md.
Footage	7.2'	15.6'	90.1'
Weighted average porosity	4.79 %	4.80 %	1.98 %
Weighted average radial permeability	199.03 md.	2.73 md.	0.08 md.
Weighted average vertical permeability	0.34 md.	1.08 md.	0.02 md.
Porosity feet	34.46	74.93	178.28

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

Operator New D. Todd Briggs Nominee Account Well No. D. Todd Briggs Tathlina Lake #2 Lab. No. 9377 Date Feb. 20/57

Sample Number	Midpoint of Sample in Ft.	Representative of Feet	Footage Rep.	Permeability md.		% Porosity	Porosity Feet	Description
				Vertical	Radial			
Core Number 1				2021'-2042'			Recovered 24 Feet	
1	2021.9	2021.0-2023.2	2.2	0.001	0.001	1.0	2.20	C SI
2	2024.1	2023.2-2026.0	2.8	0.001	0.001	1.8	5.04	C SI
3	2027.1	2026.0-2028.2	2.2	0.001	0.001	1.5	3.30	C SI
4	2029.2	2028.2-2031.0	2.8	0.009	0.009	1.0	2.80	C SI
5	2032.3	2031.0-2034.3	3.3	0.001	0.001	0.9	2.97	C SI
6	2034.7	2034.3-2037.5	3.2	0.004	0.22	1.6	5.12	C SI
7	2038.7	2037.5-2039.0	1.5	0.005	1.0	3.3	4.95	C I
Similar to #6		2039.0-2041.1	2.1	0.004	0.22	1.6	3.36	C SI
8	2042.0	2041.1-2043.2	2.1	0.004	0.67	3.3	6.93	C I S
9	2043.5	2043.2-2043.9	0.7	0.77	2.0	6.8	4.76	C I S
10	2044.3	2043.9-2045.0	1.1	2.2	2.3	10.4	11.44	C I S
Extra Core			3.0	---	---	---	---	---
Core Number 2				2043'-2073'			Recovered 29.4 Feet	
11	2044.0	2043.0-2044.5	1.5	0.71	0.92	1.2	1.80	C SI S
12	2045.0	2044.5-2046.0	1.5	0.04	0.13	2.9	4.35	C I S
13	2046.3	2046.0-2046.6	0.6	0.09	0.37	5.8	3.48	C I S
14	2046.8	2046.6-2047.8	1.2	0.005	0.22	2.3	2.76	C I S
15	2048.3	2047.8-2049.0	1.2	0.02	0.04	4.1	4.92	C I S
16	2049.4	2049.0-2049.8	0.8	0.02	2.1	4.9	3.92	C I S
17	2050.2	2049.8-2051.0	1.2	0.003	1.4	1.3	1.56	C SI S
18	2052.0	2051.0-2053.0	2.0	0.004	0.01	2.8	5.60	C I S
19	2054.0	2053.0-2054.3	1.3	0.003	0.006	5.2	6.76	C I S
20	2054.7	2054.3-2056.2	1.9	0.06	0.09	5.6	10.64	C I S
21	2056.7	2056.2-2057.5	1.3	0.13	0.23	5.9	7.67	C I V S
22	2058.0	2057.5-2058.6	1.1	0.06	0.09	5.2	5.72	C I S
23	2059.2	2058.6-2059.5	0.9	2.0	8.3	4.9	4.41	C I V S
24	2059.8	2059.5-2060.8	1.3	0.008	0.07	1.6	2.08	C SI S
25	2061.6	2060.8-2062.5	1.7	0.09	1.9	2.6	4.42	C I S
26	2064.0	2062.5-2064.5	2.0	0.02	16.	2.2	4.40	C SI S
27	2066.0	2064.5-2066.5	2.0	0.003	0.006	1.8	3.60	C SI S
28	2067.1	2066.5-2067.7	1.2	0.04	0.05	2.2	2.64	C SI S
29	2068.9	2067.7-2070.2	2.5	0.01	0.01	0.8	2.00	C SI S
30	2071.6	2070.2-2072.4	2.2	0.01	0.01	1.7	3.74	C SI S
Missing		---	0.6	---	---	---	---	---

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

Operator New D. Todd Briggs Nominee Acct. Well No. D. Todd Briggs Tathlina Lake #2 Lab. No. 9377 Date Feb. 20, 1957.

Sample Number	Midpoint of Sample in Ft.	Representative of Feet	Footage Rep.	Permeability md.		% Porosity	Porosity Feet	Description
				Vertical	Radial			
Core Number 3			2074°-2104°		Recovered 29.5 Feet			
31	2074.7	2074.0-2075.5	1.5	0.004	0.09	0.9	1.35	C SI
32	2076.4	2075.5-2077.0	1.5	0.002	0.002	2.2	3.30	C SI S
33	2077.8	2077.0-2079.0	2.0	0.003	0.09	1.0	3.60	C SI
34	2080.4	2079.0-2082.0	3.0	0.004	0.02	1.2	3.60	C SI
35	2083.6	2082.0-2084.5	2.5	0.003	0.003	1.7	4.25	C SI
36	2085.2	2084.5-2086.0	1.5	0.003	0.02	1.6	2.40	C SI
37	2086.8	2086.0-2088.0	2.0	0.002	0.002	0.9	1.80	C SI
38	2088.3	2088.0-2090.0	2.0	0.004	0.005	1.9	3.80	C SI
39	2090.4	2090.0-2092.5	2.5	0.001	0.002	1.3	3.25	C SI
40	2093.3	2092.5-2094.4	1.9	0.05	0.06	0.9	1.71	C SI
41	2094.8	2094.4-2095.2	0.8	0.01	0.02	3.2	2.56	C I S
42	2095.5	2095.2-2096.0	0.8	0.56	13.	5.2	4.16	C I S
43	2096.3	2096.0-2097.0	1.0	0.04	0.09	2.7	2.70	C I S
44	2098.0	2097.0-2098.4	1.4	0.03	0.21	3.5	4.90	C I S
45	2098.8	2098.4-2099.0	0.6	0.24	0.36	8.0	4.80	C I S
46	2099.5	2099.0-2099.7	0.7	2.2	3.6	7.7	5.39	C I S
47	2099.9	2099.7-2100.2	0.5	7.9	8.9	9.9	4.95	C I S
48	2101.6	2100.2-2103.5	3.3	0.002	0.002	0.5	1.65	C SI
Missing		---	0.5	---	---	---	---	---
Core Number 4			2433°-2461°		Recovered 30.0 Feet			
49	2433.9	2433.0-2434.4	1.4	0.01	13.	3.9	5.46	C I SV S
50	2435.0	2434.4-2436.0	1.6	1.2	342.	4.2	6.72	HC I V S
51	2436.7	2436.0-2438.3	2.3	0.01	0.02	1.0	2.30	C SI SV S
52	2438.7	2438.3-2439.5	1.2	0.01	0.05	2.8	3.36	C I SV S
53	2440.0	2439.5-2440.4	0.9	0.01	0.02	0.6	0.54	C SI S
54	2441.5	2440.4-2441.8	1.4	0.71	1.7	6.2	8.68	C I V S
55	2442.3	2441.8-2442.8	1.0	0.79	1.8	7.1	7.10	C I V S
56	2443.7	2442.8-2444.3	1.5	2.3	2.5	4.4	6.60	C I V S
57	2444.9	2444.3-2445.4	1.1	0.12	6.2	4.5	4.95	C I V S
58	2446.3	2445.4-2447.0	1.6	0.05	0.49	5.2	8.32	C I S
59	2447.4	2447.0-2448.4	1.4	0.007	18.	9.8	13.72	C SV I S
60	2449.1	2448.4-2450.2	1.8	0.001	0.001	1.5	2.70	C SI

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

Operator New D. Todd Briggs Nominee Acct. Well No. D. Todd Briggs Tangle Lake #2 Lab. No. 9377 Date Feb. 20, 1957.

Sample Number	Midpoint of Sample in Ft.	Representative of Feet	Footage Rep.	Permeability md		% Porosity	Porosity Feet	Description
				Vertical	Radial			
61	2450.0	2450.2-2453.0	2.8	0.01	0.01	0.7	1.96	C SI
62	2454.7	2453.0-2455.5	2.5	0.004	0.04	1.5	3.75	C SI
63	2457.0	2455.5-2458.0	2.5	0.00	0.00	1.3	3.25	C SI
64	2459.0	2458.0-2460.5	2.5	0.29	0.35	2.2	5.50	C SI
65	2462.1	2460.5-2463.0	2.5	0.001	0.001	1.3	3.25	C SI
Extra Core			2.0	---	---	---	---	---

CORE DESCRIPTION SYMBOLS

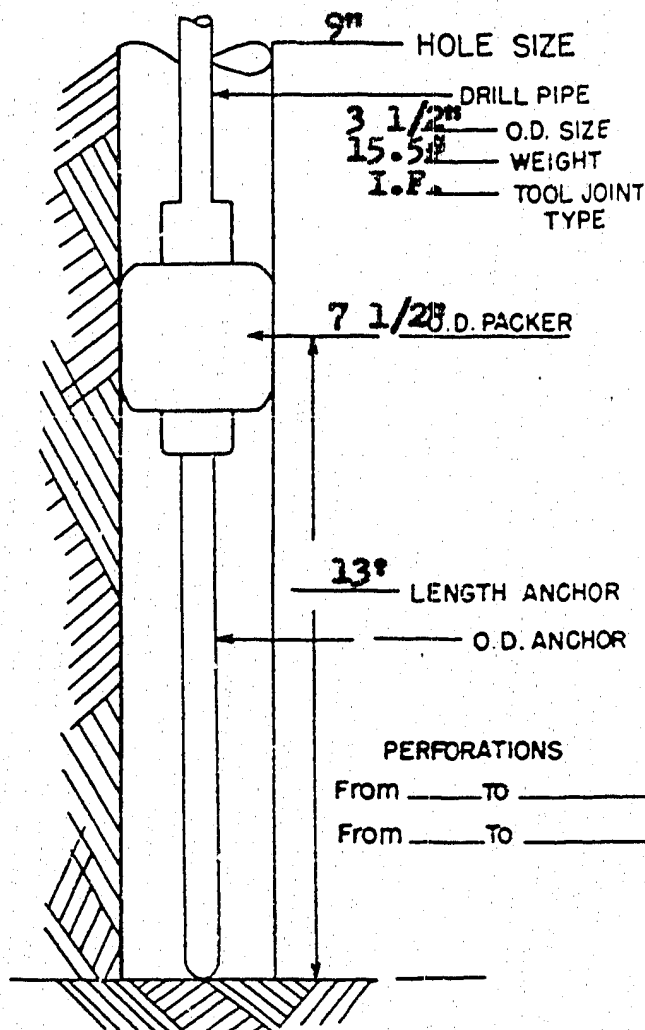
C	Cracks
SI	Slightly Intergranular
I	Intergranular
S	Stained
V	Vuggy
SV	Slightly Vuggy
HC	Horizontal Cracks

ACID SOLUBILITIES WITH 15% HCl

Sample Number	Midpoint of Sample, feet	% Soluble	Insoluble
4	2029.2	95.21	4.79
22	2050.0	96.72	1.28
39	2090.4	95.79	4.21
57	2444.9	95.87	4.13

DRILL STEM TEST REPORT

D. Todd Briggs N.E. TEST No. 1 Run No. 1
 Well Name Tathlina Lake Well No. 2 District Great Slave Lake
 Field Wildcat Province Northwest Territories
 Testing Company Johnston Testers Ltd. Operator P. J. Quinn
 Date Commenced Jan. 21, 1957 Date Completed Jan. 21, 1957



Formation Tested Slave Point
 Section Tested. From 1816 To 1829 ft.
 Mud Properties: Wt. 10.1 Vis. 49 sec.
 Filtrate 6.6 c.c. Filter Cake 2/32 Gel
 Water Cushion - ft.
 Type of Packer Conventional
 Choke Size, surface Bottom Hole 1/2"

	Time	Remarks
Tester started in hole	8:45 a.m.	
Tester on bottom	Unable to get packer below 1200'	
Tester opened	—	
Tester closed	—	
Tester pulled loose	—	
Tester out of hole	12:00 noon	
Total time tester open	—	

Weight:
 Set on Packer lbs. Pull Packer Loose lbs.
 Weight drill pipe Before Test After Test
 Mud level in casing
 Nature of Blow
 Maximum Surface Pressure
 Maximum Trap Pressure

Gas Flow: MCF/day: How Gauged By
 Oil Flow bbls. in hrs: Est. 24-hr. Flow Rate How Gauged
 Size flow line Inch. I.D. Size Orifice inch.

Recovery in Drill Pipe:

Remarks

Free oil stands feet bbls.
 Mud stands feet bbls.
 Water stands feet bbls.
 Gravity of oil ° API @ °F.
 Oil sample obtained Water sample obtained

Pressures:

Type of pressure bomb (s) used
 Maximum Flowing Pressure PSI
 Minute Shut in Pressure PSI
 Static Mud Pressure after unseating packer PSI
 Mechanically, was Test satisfactory? NO

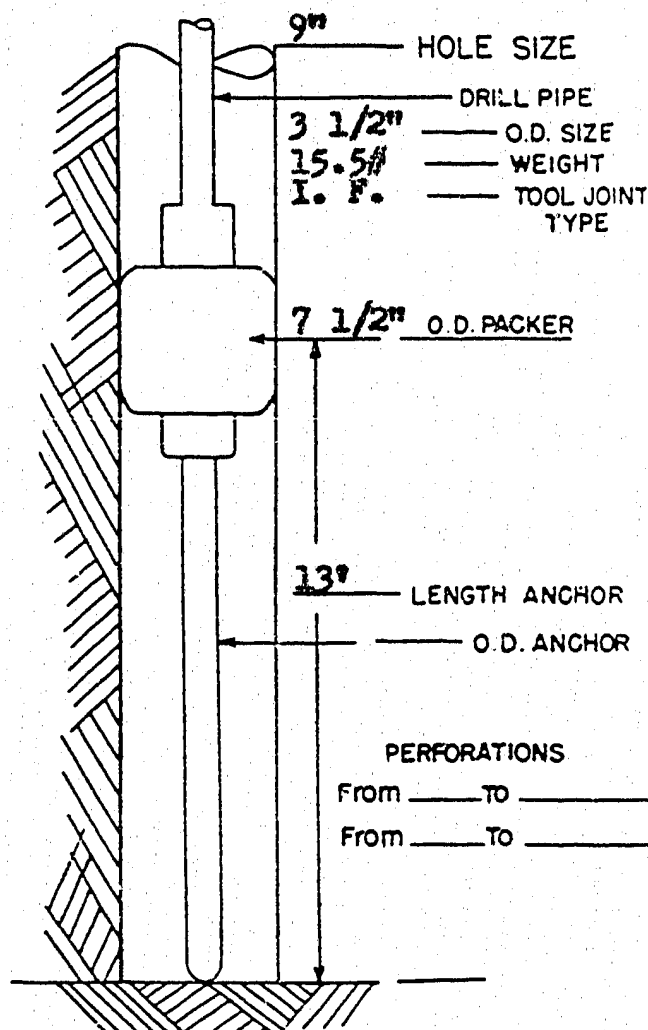
REMARKS:

Mis-run. Unable to get packer below 1200 feet on account of tight hole.

Engineer: Norman Soul
 J. C. SPROULE & ASSOCIATES, CALGARY.

DRILL STEM TEST REPORT

D. Todd Briggs N.E. TEST No. 2 Run No. 2
 Well Name Tathlina Lake Well No. 2 District Great Slave Lake
 Field Wildcat Province Northwest Territories
 Testing Company Johnston Testers Ltd. Operator P. J. Quinn
 Date Commenced January 22, 1957 Date Completed January 22, 1957



Formation Tested Slave Point
 Section Tested. From 1816 To 1829 ft.
 Mud Properties: Wt. 10.3 Vis. 73 sec.
 Filtrate 5.0 c.c. Filter Cake 2/32" Gel 0-0
 Water Cushion - ft.
 Type of Packer Conventional
 Choke Size, surface - Bottom Hole 1/2"

Time	Remarks
Tester started in hole <u>8:30</u> a.m.	
Tester on bottom <u>11:00</u> a.m.	
Tester opened <u>11:49</u> a.m.	Re-set <u>12:05</u> p.m. Re-set
Tester closed <u>1:37</u> p.m.	(<u>12:37</u> p.m.)
Tester pulled loose <u>1:57</u> p.m.	
Tester out of hole <u>3:30</u> p.m.	
Total time tester open	<u>Charts showed not open</u>

Weight:
 Set on Packer 12,000 lbs. Pull Packer Loose 20,000 lbs.
 Weight drill pipe Before Test 12,000 After Test 12,000
 Mud level in casing Hole Full
 Nature of Blow Very weak to nil
 Maximum Surface Pressure -
 Maximum Trap Pressure -

Gas Flow: Nil MCF/day: How Gauged - By -
 Oil Flow Nil bbls. in - hrs: Est. 24-hr. Flow Rate - How Gauged -
 Size flow line 2 Inch. I.D. Size Orifice - inch.

Recovery in Drill Pipe:

Remarks

Free oil - stands - feet - bbls.
 Mud - stands 30 feet 0.2 bbls.
 Water - stands - feet - bbls.
 Gravity of oil - ° API @ - °F.
 Oil sample obtained - Water sample obtained -

Pressures:

Type of pressure bomb (s) used -
 Maximum Flowing Pressure - PSI
15 Minute Shut in Pressure - PSI
 Static Mud Pressure after unseating packer 985 PSI
 Mechanically, was Test satisfactory? No

REMARKS:

Mis-run. Chart shows hydraulic tool did not open for any appreciable time.

Engineer: Norman Soul

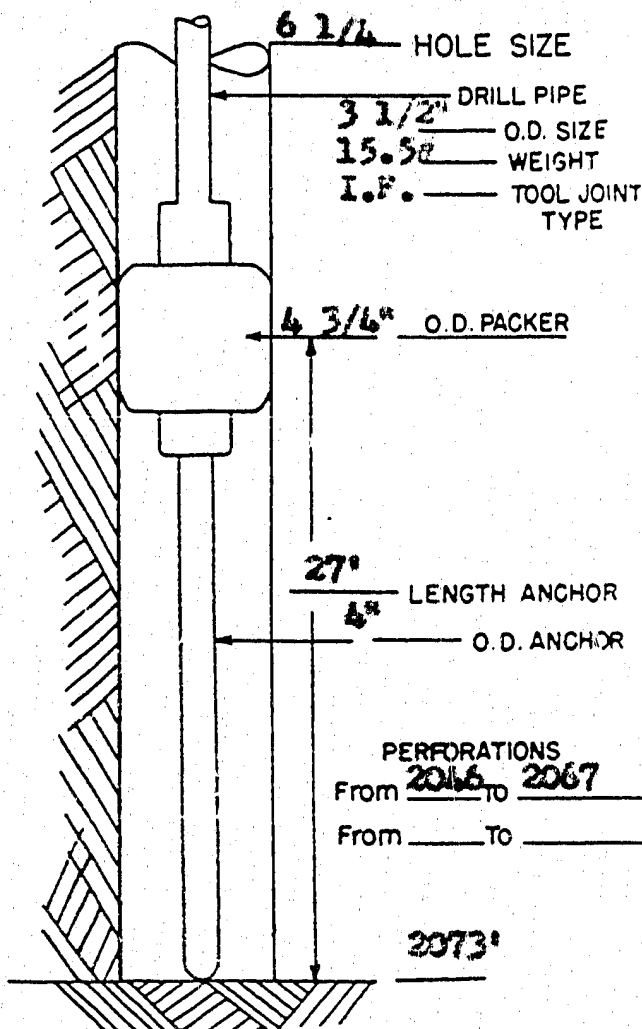
J. C. SPROULE & ASSOCIATES, CALGARY.

DRILL STEM TEST REPORT

30

D. Todd Briggs M.E.
Well Name Tathlina Lake Well No. 2
Field Wildcat
Testing Company Johnston Testers Ltd.
Date Commenced Jan. 26/57

TEST No. 3 Run No. 1
District Tathlina Lake
Province Northwest Territories
Operator P.J. Quinn
Date Completed Jan. 26/57



Formation Tested Pressure Equivalent
Section Tested. From 2066 To 2073 ft.
Mud Properties: Wt. 10.1 Vis. 50 sec.
Filtrate 5.5 c.c. Filter Cake 2/32 Gel
Water Cushion - ft.
Type of Packer Conventional
Choke Size, surface _____ Bottom Hole 1/2"

Time	Remarks
8:00 a.m.	Tester started in hole
10:15 a.m.	Tester on bottom
10:33 a.m.	Tester opened
12:33 p.m.	Tester closed
12:51 p.m.	Tester pulled loose
2:45 p.m.	Tester out of hole
2 hours	Total time tester open

Weight:
Set on Packer 30,000 lbs. Pull Packer Loose - lbs.
Weight drill pipe Before Test 30,000 After Test -
Mud level in casing Surface
Nature of Blow Weak - steady throughout test.
Maximum Surface Pressure _____
Maximum Trap Pressure _____

Gas Flow: _____ MCF/day: How Gauged _____ By _____
Oil Flow _____ bbls. in _____ hrs: Est. 24-hr. Flow Rate _____ How Gauged _____
Size flow line 2 Inch. I.D. Size Orifice _____ inch.

Recovery in Drill Pipe:

Remarks

Free oil _____ stands _____ feet _____ bbls.
Mud _____ stands _____ feet _____ bbls.
Water _____ stands _____ feet _____ bbls.
Gravity of oil _____ ° API @ _____ °F.
Oil sample obtained _____ Water sample obtained _____

Pressures:

Type of pressure bomb (s) used _____
Maximum Flowing Pressure 45 PSI
Minute Shut in Pressure 365 PSI
Static Mud Pressure after unseating packer 1080 PSI
Mechanically, was Test satisfactory? Yes

REMARKS:

Engineer: Norman Seal
J. C. SPROULE & ASSOCIATES, CALGARY.

GEOLOGICAL AND ENGINEERING SUMMARY

Well Name: D. Todd Briggs Northeast Tathlina Lake No. 2

D. Todd Briggs Northeast Tathlina Lake No. 2 is the second test of the N.E. Tathlina structure. This structure, situated northeast of Tathlina Lake, is a strong, southwest trending anticlinal nose which is flanked on the northwest and possibly on the northeast by deep-seated faults. The first test was located two miles to the southwest of No. 2, and was abandoned as a dry hole in 1956. Cores of the Presqu'ile formation were found to be oil stained but the formation did not give up any fluid when drill stem tested. Essentially the same results were obtained in the second test.

The Presqu'ile formation occurs from 2,040 feet to 2,120 feet, a thickness of 80 feet. It consists of light grey to light brown, finely crystalline limestone, irregularly stained with dark, live oil. Examination of the cores under the microscope indicated only poor scattered porosity and this was confirmed by porosity and permeability determinations made on the cores by Chemical and Geological Laboratories Ltd. No gas or oil was obtained in a drill stem test of the most heavily oil stained part of the formation. The prospects of obtaining oil production by running production casing, perforating, and acidizing, were considered poor and the hole was abandoned at 2,461 feet. It may be of interest to note that the decision to abandon was agreed to by both Messrs. G. F. Moulton and A. M. Lloyd, representing the Owners and the Operators respectively.

The top of the Presqu'ile formation is 41 feet higher structurally in the number two hole than in the number one hole and the top of the Pine Point formation is eight feet higher.

The Dolomite zone, occurring from 2,415 feet to total depth at 2,461 feet, had poor porosity and permeability with a strong sulphurous odor and did not warrant a drill stem test.

Sample cuttings from the top of the Slave Point formation indicated some porosity but no oil staining was observed. The electric logs do not indicate any substantial porous zone and a drill stem test was not warranted.

Three cement plugs were run and the hole was abandoned.

Norman Soul
Norman Soul, P. Eng.

901 - 8th Ave. West,
Calgary, Alberta,
April 2, 1957.

BRIGGS TATHLINA
LAKE #2

60-50-117-15'

FILE:

N-7940-1-36

Name and No. of Well

Field

HUSKY OIL & REFINING LTD. DRILLING RIG TOUR REPORT

Date

Name and No. of Rig

TOUR No. ONE

TOUR No. TWO

TOUR No. THREE

TOUR No. ONE							TOUR No. TWO							TOUR No. THREE									
DRILL PIPE			CASING DEPTH				DRILL PIPE			CASING DEPTH				DRILL PIPE			CASING DEPTH						
Drill Collar Stand and Bit Reamers, Core Barrel, etc.			Size O.D. 10 3/4				Drill Collar Stand and Bit Reamers, Core Barrel, etc.			Size O.D.				Drill Collar Stand and Bit Reamers, Core Barrel, etc.			Size O.D.						
STANDS			Depth of Shoe 263 K.P.				STANDS			Depth of Shoe				STANDS			Depth of Shoe						
DEPTH OF HOLE							DEPTH OF HOLE							DEPTH OF HOLE									
Singles			Depth at Beginning of Tour				Singles			Depth at Beginning of Tour				Singles			Depth at Beginning of Tour						
			Footage Cored							Footage Cored							Footage Cored						
Kelly Down			Footage Drilled				Kelly Down			Footage Drilled				Kelly Down			Footage Drilled						
Total Pipe for Bottom			Depth at End of Tour				Total Pipe for Bottom			Depth at End of Tour				Total Pipe for Bottom			Depth at End of Tour						
Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud
1 hr.								1 hr.								1 hr.							
2 hr.								2 hr.								2 hr.							
3 hr.								3 hr.								3 hr.							
4 hr.								4 hr.								4 hr.							
5 hr.								5 hr.								5 hr.							
6 hr.								6 hr.								6 hr.							
7 hr.								7 hr.								7 hr.							
8 hr.								8 hr.								8 hr.							

BITS USED						CORES TAKEN						BITS USED						CORES TAKEN						BITS USED						CORES TAKEN					
Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery				

Deviation	Survey taken at	Degrees off	Direction	Deviation	Survey taken at	Degrees off	Direction	Deviation	Survey taken at	Degrees off	Direction

CREW		TIME ANALYSIS		CREW		TIME ANALYSIS		CREW		TIME ANALYSIS	
Derrickman	E.T. SIMPSON	DRILLING		Derrickman	D. CHANCE	DRILLING		Derrickman	D. RHO	DRILLING	
Cathead		CORING		Cathead		CORING		Cathead		CORING	
Fireman	NOEL CRAWLEY	REAMING		Fireman	AK DUK	REAMING		Fireman	A. BEED	REAMING	
Floorman	SAM BARNETT	CONDITIONING MUD		Floorman	T. SHYAN	CONDITIONING MUD		Floorman	R. CLARKSON	CONDITIONING MUD	
Floorman	J. THOMAS	CIRCULATING		Floorman		CIRCULATING		Floorman	J. MARTIN	CIRCULATING	
Driller	A. LAMBERT	FISHING		Driller	G. F. LEBER	FISHING		Driller	J. B. ZELL	FISHING	
Tool Pusher	Signature	RUNNING DEVIATION		Tool Pusher	Signature	RUNNING DEVIATION		Tool Pusher	Signature	RUNNING DEVIATION	
Gallons Fuel Used		RUNNING ELECTRIC LOG		Gallons Fuel Used		RUNNING ELECTRIC LOG		Gallons Fuel Used		RUNNING ELECTRIC LOG	
Remarks:		WAITING ON CEMENT		Remarks:		WAITING ON CEMENT		Remarks:		WAITING ON CEMENT	
		OILING, GREASING				OILING, GREASING				OILING, GREASING	
		SHUT DOWN REPAIRS				SHUT DOWN REPAIRS				SHUT DOWN REPAIRS	
		TRIP TIME				TRIP TIME				TRIP TIME	
		TOTAL HOURS				TOTAL HOURS				TOTAL HOURS	

12:00 - 8:00 - HEAD UP, T.B. TEARING DOWN.

8:00 H.R. Rigging Down 16 CHAOS.

8:00 - 8:00 - Rigging

DOWN

STAMP: FEB 27 1951, NORTHWEST TERRITORIES

Name and No. of Well

FATHLINE LAM #2

Field

HUSKY OIL & REFINING LTD. DRILLING RIG TOUR REPORT

Date

Jan 31 1957

Name and No. of Rig

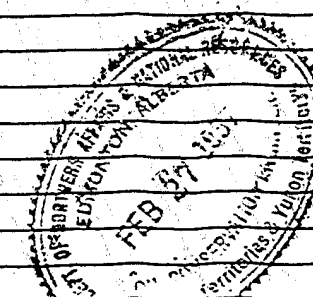
Husky Rig #1

TOUR No. ONE

TOUR No. TWO

TOUR No. THREE

DRILL PIPE						CASING DEPTH						DRILL PIPE						CASING DEPTH						DRILL PIPE						CASING DEPTH																																																	
6 Drill Collar Stand and Bit Reamers, Core Barrel, etc.						177.38						Size O.D. 10 3/4						6 Drill Collar Stand and Bit Reamers, Core Barrel, etc.						177.38						Size O.D. 10 3/4						6 Drill Collar Stand and Bit Reamers, Core Barrel, etc.						177.38						Size O.D. 10 3/4																															
STANDS						26.3 K.B.						73 STANDS						22.11.0						26.3 K.B.						STANDS						76.9 K.B.						26.3 K.B.						STANDS						76.9 K.B.																									
Singles						2240.0						Singles						2240.0						Singles						2240.0						Singles						2240.0						Singles						2240.0																									
T.S.						2.7						T.S.						2.7						T.S.						2.7						T.S.						2.7						T.S.						2.7																									
Kelly Down						12						Kelly Down						37						Kelly Down						12						Kelly Down						37						Kelly Down						12																									
Total Pipe for Bottom						2432						Total Pipe for Bottom						2432						Total Pipe for Bottom						2432						Total Pipe for Bottom						2432						Total Pipe for Bottom						2432																									
Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)				Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)				Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)				Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud																																															
1 hr.						PH	10.4	65	700	6.2	1 hr.						10.3	63		5.8		1 hr.																																																									
2 hr.						9					2 hr.						10.4	65		5.8		2 hr.																																																									
3 hr.											3 hr.											3 hr.																																																									
4 hr.											4 hr.											4 hr.																																																									
5 hr.											5 hr.											5 hr.																																																									
6 hr.											6 hr.											6 hr.																																																									
7 hr.											7 hr.											7 hr.																																																									
8 hr.											8 hr.											8 hr.																																																									
BITS USED										CORES TAKEN										BITS USED										CORES TAKEN										BITS USED										CORES TAKEN																													
Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery			Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery			Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery			Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery																																										
5	MUN	15452	10	122						5	MUN	15452	10	122						5	MUN	15452	10	122						5	MUN	15452	10	122																																													
6	J-10	12457								6	J-10	12457								6	J-10	12457								6	J-10	12457																																															
Deviation										Survey taken at										Degrees off										Direction										Deviation										Survey taken at										Degrees off										Direction									
CREW										TIME ANALYSIS										CREW										TIME ANALYSIS										CREW										TIME ANALYSIS																													
Derrickman: E.J. SIMPSON										DRILLING										Derrickman: D. CLAMMER										DRILLING										Derrickman: J. REID										DRILLING																													
Cathead										CORING										Cathead										CORING										Cathead										CORING																													
Fireman: ADEL CRAWLEY										REAMING										Fireman: M. MARTIN										REAMING										Fireman: J. REID										REAMING																													
Floorman: SAM BONNET										CONDITIONING MUD										Floorman: J. SHANNON										CONDITIONING MUD										Floorman: J. SHANNON										CONDITIONING MUD																													
Floorman: JIM THOMAS										CIRCULATING										Floorman: J. SHANNON										CIRCULATING										Floorman: J. SHANNON										CIRCULATING																													
Driller: L. LAMBERT										FISHING										Driller: B. ELLERICK										FISHING										Driller: J. REID										FISHING																													
Tool Pusher: L. LAMBERT										RUNNING DEVIATION										Tool Pusher: L. LAMBERT										RUNNING DEVIATION										Tool Pusher: L. LAMBERT										RUNNING DEVIATION																													
Gallons Fuel Used										WAITING ON CEMENT										Gallons Fuel Used										WAITING ON CEMENT										Gallons Fuel Used										WAITING ON CEMENT																													
Remarks:										OILING, GREASING										Remarks:										OILING, GREASING										Remarks:										OILING, GREASING																													
TRIP TIME										SHUT DOWN REPAIRS										TRIP TIME										SHUT DOWN REPAIRS										TRIP TIME										SHUT DOWN REPAIRS																													
TOTAL HOURS																				TOTAL HOURS																				TOTAL HOURS																																							
12:00 - 2:00 - DRILL 5'										12:00 - 2:00 - DRILL 5'										12:00 - 2:00 - DRILL 5'										12:00 - 2:00 - DRILL 5'										12:00 - 2:00 - DRILL 5'																																							
2:00 - 2:30 - C.I.D.										2:00 - 2:30 - C.I.D.										2:00 - 2:30 - C.I.D.										2:00 - 2:30 - C.I.D.										2:00 - 2:30 - C.I.D.																																							
2:30 - 4:30 - PULL OUT										2:30 - 4:30 - PULL OUT										2:30 - 4:30 - PULL OUT										2:30 - 4:30 - PULL OUT										2:30 - 4:30 - PULL OUT																																							
4:30 - 5:00 - PICK UP										4:30 - 5:00 - PICK UP										4:30 - 5:00 - PICK UP										4:30 - 5:00 - PICK UP										4:30 - 5:00 - PICK UP																																							
5:00 - 7:45 - SERVICE										5:00 - 7:45 - SERVICE										5:00 - 7:45 - SERVICE										5:00 - 7:45 - SERVICE										5:00 - 7:45 - SERVICE																																							
7:45 - 8:00 - C.I.R.										7:45 - 8:00 - C.I.R.										7:45 - 8:00 - C.I.R.										7:45 - 8:00 - C.I.R.										7:45 - 8:00 - C.I.R.																																							
Checked B.P.										Checked B.P.										Checked B.P.										Checked B.P.										Checked B.P.																																							



PDS Name and No. of Well ATHLINA LAKE
Field N.W.T.

HUSKY OIL & REFINING LTD.
DRILLING RIG TOUR REPORT
TOUR No. ONE

Date Jan 30 1957
Name and No. of Rig Husky R.C. 1

TOUR No. ONE

DRILL PIPE	177.38	CASING DEPTH	10 3/4
Drill Collar Stand and Bit Reamers, Core Barrel, etc.		Size O.D.	10 3/4
STANDS		Depth of Shoe	263 K.B.
71 Singles	214.57	DEPTH OF HOLE	
Depth at Beginning of Tour	2320	Footage Cored	
Kelly Down	24	Footage Drilled	33
Total Pipe for Bottom	2353	Depth at End of Tour	2353

TOUR No. TWO

DRILL PIPE	177.38	CASING DEPTH	10 3/4
Drill Collar Stand and Bit Reamers, Core Barrel, etc.		Size O.D.	10 3/4
STANDS	2179.92	Depth of Shoe	213 K. 13.
J. Sub add. to Drill	270	DEPTH OF HOLE	
Singles		Depth at Beginning of Tour	2353
Kelly Down	2500	Footage Cored	
Total Pipe for Bottom	2384.00	Footage Drilled	32
		Depth at End of Tour	2385

TOUR No. THREE

DRILL PIPE	177.38	CASING DEPTH	10 3/4
Drill Collar Stand and Bit Reamers, Core Barrel, etc.		Size O.D.	10 3/4
STANDS		Depth of Shoe	163 K. 13
71 Singles	214.57	DEPTH OF HOLE	
Depth at Beginning of Tour	2320	Footage Cored	
Kelly Down	31	Footage Drilled	37
Total Pipe for Bottom	2422	Depth at End of Tour	2422

Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud
1 hr.							H.P.S.
2 hr.							
3 hr.				10	65	700	W.C.C.
4 hr.							
5 hr.							
6 hr.							
7 hr.				10.2	70		
8 hr.							

Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud
1 hr.				10.1	64	900	5.9
2 hr.							
3 hr.							
4 hr.							
5 hr.							
6 hr.				10.2	63		5.8
7 hr.							
8 hr.							

Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud
1 hr.							W.C.C.
2 hr.				10.3	60		
3 hr.							
4 hr.							
5 hr.				9	10.3	63	5.8
6 hr.							
7 hr.							
8 hr.							

BITS USED

Size	Type	Serial No.	Footage This Tour	Total Footage
9"	MCN 15452	33	33	

CORES TAKEN

To	From	Recovery

BITS USED

Size	Type	Serial No.	Footage This Tour	Total Footage
9"	MCN 15452	32	65	

CORES TAKEN

To	From	Recovery

BITS USED

Size	Type	Serial No.	Footage This Tour	Total Footage
9"	MCN 15452	37	102	

CORES TAKEN

To	From	Recovery

Deviation: Survey taken at _____ Degrees off _____ Direction _____

CREW

Derrickman E.J. SIMPSON

Cathead NOEL CRAWLEY

Fireman SAM BARNETT

Floorman SIM THOMAS

Driller L. LAMBERT

Tool Pusher G. H. HITCH

Gallons Fuel Used _____

Remarks: _____

TRIP TIME

TOTAL HOURS

Deviation: Survey taken at _____ Degrees off _____ Direction _____

CREW

Derrickman D. P. HARRIS

Cathead R. HARRIS

Fireman R. HARRIS

Floorman L. SHIMMICK

Driller B. HARRIS

Tool Pusher G. H. HITCH

Gallons Fuel Used _____

Remarks: _____

TRIP TIME

TOTAL HOURS

Deviation: Survey taken at _____ Degrees off _____ Direction _____

CREW

Derrickman D. REID

Cathead R. HARRIS

Fireman R. HARRIS

Floorman R. HARRIS

Driller F. B. HARRIS

Tool Pusher G. H. HITCH

Gallons Fuel Used _____

Remarks: 4:00 - 12:00 D.R.L.

TRIP TIME

TOTAL HOURS

12:00 - 2:00 - Run in
2:00 - 8:00 - 1) D.C. 9"
HOLE

CHECKED B.O.P.

6 HRS on Bit

8:00 - 9:45 - 1) 9 9" Hole
9:45 - 11:45 - 2) 9 9" Hole
11:45 - 4:00 - 3) 9 9" Hole

CHECKED B.O.P.

Name and No. of Well

Field

TULLINIA LAKE

HUSKY OIL & REFINING LTD. DRILLING RIG TOUR REPORT

Date

Name and No. of Rig

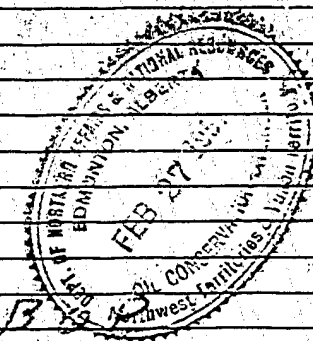
Jan 28 1951
Husky R.C. #1

TOUR No. ONE

TOUR No. TWO

TOUR No. THREE

TOUR No. ONE										TOUR No. TWO										TOUR No. THREE									
DRILL PIPE					CASING DEPTH					DRILL PIPE					CASING DEPTH					DRILL PIPE					CASING DEPTH				
6 Drill Collar Stand and Bit Reamers, Core Barrel, etc.					177.38 Size O.D. 10 3/4					6 Drill Collar Stand and Bit Reamers, Core Barrel, etc.					177.34 Size O.D. 10 3/4					6 Drill Collar Stand and Bit Reamers, Core Barrel, etc.					177.38 Size O.D. 10 3/4				
STANDS					Depth of Shoe 263 K.B.					STANDS					Depth of Shoe 263 K.B.					STANDS					Depth of Shoe 263 K.B.				
65 Singles					1968.76 Depth at Beginning of Tour 2126					66 Singles					1949.30 Depth at Beginning of Tour 2170					67 Singles					1968.76 Depth at Beginning of Tour 2174				
Footage Cored					Footage Drilled 44					Footage Cored					Footage Drilled 25					Footage Cored					Footage Drilled 24				
Kelly Down					Depth at End of Tour 2170					Kelly Down					Depth at End of Tour 2175					Kelly Down					Depth at End of Tour 2214				
Total Pipe for Bottom					2170					Total Pipe for Bottom					2175					Total Pipe for Bottom					2219				
Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud						
1 hr.			9.5	48	900			1 hr.			10	49		6.5		1 hr.			9	48									
2 hr.								2 hr.								2 hr.													
3 hr.								3 hr.								3 hr.													
4 hr.								4 hr.								4 hr.													
5 hr.								5 hr.								5 hr.													
6 hr.								6 hr.								6 hr.													
7 hr.								7 hr.								7 hr.													
8 hr.								8 hr.								8 hr.													
BITS USED					CORES TAKEN					BITS USED					CORES TAKEN					BITS USED					CORES TAKEN				
Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery						
9"	OSC	91293	44	96				9"	OSC	91293	25	121					9"	OSC	95327	24	74								
Deviation					Survey taken at					Deviation					Survey taken at					Deviation					Survey taken at				
Derrickman					TIME ANALYSIS					Derrickman					TIME ANALYSIS					Derrickman					TIME ANALYSIS				
Cathead					CORING					Cathead					CORING					Cathead					CORING				
Fireman					REAMING					Fireman					REAMING					Fireman					REAMING				
Floorman					CONDITIONING MUD					Floorman					CONDITIONING MUD					Floorman					CONDITIONING MUD				
Floorman					CIRCULATING					Floorman					CIRCULATING					Floorman					CIRCULATING				
Driller					FISHING					Driller					FISHING					Driller					FISHING				
Tool Pusher					RUNNING DEVIATION					Tool Pusher					RUNNING DEVIATION					Tool Pusher					RUNNING DEVIATION				
Gallons Fuel Used					RUNNING ELECTRIC LOG					Gallons Fuel Used					RUNNING ELECTRIC LOG					Gallons Fuel Used					RUNNING ELECTRIC LOG				
Remarks:					WAITING ON CEMENT					Remarks:					WAITING ON CEMENT					Remarks:					WAITING ON CEMENT				
TRIP TIME					OILING, GREASING					TRIP TIME					OILING, GREASING					TRIP TIME					OILING, GREASING				
TOTAL HOURS					SHUT DOWN REPAIRS					TOTAL HOURS					SHUT DOWN REPAIRS					TOTAL HOURS					SHUT DOWN REPAIRS				
12:00 - 8:00 - DRILLING					8:00 - 1:00 - DRILLING					8:00 - 1:00 - DRILLING					8:00 - 1:00 - DRILLING					8:00 - 1:00 - DRILLING					8:00 - 1:00 - DRILLING				
9:00 - HOLE					1:00 - 1:45 - DRILLING					1:00 - 1:45 - DRILLING					1:00 - 1:45 - DRILLING					1:00 - 1:45 - DRILLING					1:00 - 1:45 - DRILLING				
					1:45 - 3:30 - DRILLING					1:45 - 3:30 - DRILLING					1:45 - 3:30 - DRILLING					1:45 - 3:30 - DRILLING					1:45 - 3:30 - DRILLING				
					3:30 - 4:00 - DRILLING					3:30 - 4:00 - DRILLING					3:30 - 4:00 - DRILLING					3:30 - 4:00 - DRILLING					3:30 - 4:00 - DRILLING				



CHECKED B.O.P.

CHECKED B.O.P.

HUSKY OIL & REFINING LTD. DRILLING RIG TOUR REPORT

Date Jan 97 1951

Name and No. of Rig Husk Rig

TOUR No. ONE

TOUR No. TWO

TOUR No. THREE

TOUR NO. ONE										TOUR NO. TWO										TOUR NO. THREE									
DRILL PIPE					CASING DEPTH					DRILL PIPE					CASING DEPTH					DRILL PIPE					CASING DEPTH				
Drill Collar Stand and Bit Reamers, Core Barrel, etc.					Size O.D. 10 3/4					Drill Collar Stand and Bit Reamers, Core Barrel, etc.					Size O.D. 10 3/4					Drill Collar Stand and Bit Reamers, Core Barrel, etc.					Size O.D. 10 3/4				
STANDS					Depth of Shoe 263 1/2					STANDS					Depth of Shoe 261					STANDS					Depth of Shoe 263 1/2				
DEPTH OF HOLE										DEPTH OF HOLE										DEPTH OF HOLE									
61 Singles					Depth at Beginning of Tour 2070					61 Singles					Depth at Beginning of Tour 2093					61 Singles					Depth at Beginning of Tour 274				
Footage Cored					19					Footage Cored					10					Footage Cored					29				
Footage Drilled					31					Footage Drilled					40					Footage Drilled					39				
Total Pipe for Bottom					2093					Total Pipe for Bottom					2103					Total Pipe for Bottom					2126				
Time					Depth					Time					Depth					Time					Depth				
1 hr.					2 hr.					3 hr.					4 hr.					5 hr.					6 hr.				
2 hr.					3 hr.					4 hr.					5 hr.					6 hr.					7 hr.				
3 hr.					4 hr.					5 hr.					6 hr.					7 hr.					8 hr.				
4 hr.					5 hr.					6 hr.					7 hr.					8 hr.					9 hr.				
5 hr.					6 hr.					7 hr.					8 hr.					9 hr.					10 hr.				
6 hr.					7 hr.					8 hr.					9 hr.					10 hr.					11 hr.				
7 hr.					8 hr.					9 hr.					10 hr.					11 hr.					12 hr.				
8 hr.					9 hr.					10 hr.					11 hr.					12 hr.					13 hr.				
9 hr.					10 hr.					11 hr.					12 hr.					13 hr.					14 hr.				
10 hr.					11 hr.					12 hr.					13 hr.					14 hr.					15 hr.				
11 hr.					12 hr.					13 hr.					14 hr.					15 hr.					16 hr.				
12 hr.					13 hr.					14 hr.					15 hr.					16 hr.					17 hr.				
13 hr.					14 hr.					15 hr.					16 hr.					17 hr.					18 hr.				
14 hr.					15 hr.					16 hr.					17 hr.					18 hr.					19 hr.				
15 hr.					16 hr.					17 hr.					18 hr.					19 hr.					20 hr.				
16 hr.					17 hr.					18 hr.					19 hr.					20 hr.					21 hr.				
17 hr.					18 hr.					19 hr.					20 hr.					21 hr.					22 hr.				
18 hr.					19 hr.					20 hr.					21 hr.					22 hr.					23 hr.				
19 hr.					20 hr.					21 hr.					22 hr.					23 hr.					24 hr.				
20 hr.					21 hr.					22 hr.					23 hr.					24 hr.					25 hr.				
21 hr.					22 hr.					23 hr.					24 hr.					25 hr.					26 hr.				
22 hr.					23 hr.					24 hr.					25 hr.					26 hr.					27 hr.				
23 hr.					24 hr.					25 hr.					26 hr.					27 hr.					28 hr.				
24 hr.					25 hr.					26 hr.					27 hr.					28 hr.					29 hr.				
25 hr.					26 hr.					27 hr.					28 hr.					29 hr.					30 hr.				
26 hr.					27 hr.					28 hr.					29 hr.					30 hr.					31 hr.				
27 hr.					28 hr.					29 hr.					30 hr.					31 hr.					32 hr.				
28 hr.					29 hr.					30 hr.					31 hr.					32 hr.					33 hr.				
29 hr.					30 hr.					31 hr.					32 hr.					33 hr.					34 hr.				
30 hr.					31 hr.					32 hr.					33 hr.					34 hr.					35 hr.				
31 hr.					32 hr.					33 hr.					34 hr.					35 hr.					36 hr.				
32 hr.					33 hr.					34 hr.					35 hr.					36 hr.					37 hr.				
33 hr.					34 hr.					35 hr.					36 hr.					37 hr.					38 hr.				
34 hr.					35 hr.					36 hr.					37 hr.					38 hr.					39 hr.				
35 hr.					36 hr.					37 hr.					38 hr.					39 hr.					40 hr.				
36 hr.					37 hr.					38 hr.					39 hr.					40 hr.					41 hr.				
37 hr.					38 hr.					39 hr.					40 hr.					41 hr.					42 hr.				
38 hr.					39 hr.					40 hr.					41 hr.					42 hr.					43 hr.				
39 hr.					40 hr.					41 hr.					42 hr.					43 hr.					44 hr.				
40 hr.					41 hr.					42 hr.					43 hr.					44 hr.					45 hr.				
41 hr.					42 hr.					43 hr.					44 hr.					45 hr.					46 hr.				
42 hr.					43 hr.					44 hr.					45 hr.					46 hr.					47 hr.				
43 hr.					44 hr.					45 hr.					46 hr.					47 hr.					48 hr.				
44 hr.					45 hr.					46 hr.					47 hr.					48 hr.					49 hr.				
45 hr.					46 hr.					47 hr.					48 hr.					49 hr.					50 hr.				
46 hr.					47 hr.					48 hr.					49 hr.					50 hr.					51 hr.				
47 hr.					48 hr.					49 hr.					50 hr.					51 hr.					52 hr.				
48 hr.					49 hr.					50 hr.					51 hr.					52 hr.					53 hr.				
49 hr.					50 hr.																								

Field N. N. J.

HUSKY OIL & REFINING LTD. DRILLING RIG TOUR REPORT

Date Jan 26 / 57

Name and No. of Rig Hess 100

TOUR No. ONE

TOUR No. TWO

TOUR No. THREE

TOUR NO. ONE												TOUR NO. TWO												TOUR NO. THREE											
DRILL PIPE				CASING DEPTH				DRILL PIPE				CASING DEPTH				DRILL PIPE				CASING DEPTH															
Drill Collar Stand and Bit Reamers, Core Barrel, etc.				Size O.D. 10 3/4				Drill Collar Stand and Bit Reamers, Core Barrel, etc.				Size O.D. 10 3/4				Drill Collar Stand and Bit Reamers, Core Barrel, etc.				Size O.D. 10 3/4															
STANDS				Depth of Shoe 263 K.B.				STANDS				Depth of Shoe 263 K.B.				STANDS				Depth of Shoe 263 K.B.															
DEPTH OF HOLE				DEPTH OF HOLE				DEPTH OF HOLE				DEPTH OF HOLE				DEPTH OF HOLE				DEPTH OF HOLE															
Singles				Depth at Beginning of Tour 2063				Singles				Depth at Beginning of Tour 2073				Singles				Depth at Beginning of Tour 2073															
Footage Cored				Footage Cored				Footage Cored				Footage Cored				Footage Cored				Footage Cored															
Footage Drilled				Footage Drilled				Footage Drilled				Footage Drilled				Footage Drilled				Footage Drilled															
Kelly Down				Kelly Down				Kelly Down				Kelly Down				Kelly Down				Kelly Down															
Total Pipe for Bottom				Total Pipe for Bottom				Total Pipe for Bottom				Total Pipe for Bottom				Total Pipe for Bottom				Total Pipe for Bottom															
Time												Time												Time											
Depth												Depth												Depth											
Formation During Last Hour (Include Oil and Gas Shows)												Formation During Last Hour (Include Oil and Gas Shows)												Formation During Last Hour (Include Oil and Gas Shows)											
Wt. Indic. Reading												Wt. Indic. Reading												Wt. Indic. Reading											
Mud Weight												Mud Weight												Mud Weight											
Mud Viscosity												Mud Viscosity												Mud Viscosity											
Pump Pressure												Pump Pressure												Pump Pressure											
Changes of Mud												Changes of Mud												Changes of Mud											
1 hr.												1 hr.												1 hr.											
2 hr.												2 hr.												2 hr.											
3 hr.												3 hr.												3 hr.											
4 hr.												4 hr.												4 hr.											
5 hr.												5 hr.												5 hr.											
6 hr.												6 hr.												6 hr.											
7 hr.												7 hr.												7 hr.											
8 hr.												8 hr.												8 hr.											
BITS USED												BITS USED												BITS USED											
CORES TAKEN												CORES TAKEN												CORES TAKEN											
Size												Size												Size											
Type												Type												Type											
Serial No.												Serial No.												Serial No.											
Footage This Tour												Footage This Tour												Footage This Tour											
Total Footage												Total Footage												Total Footage											
To												To												To											
From												From												From											
Recovery												Recovery												Recovery											
1 hr.												1 hr.												1 hr.											
2 hr.												2 hr.												2 hr.											
3 hr.												3 hr.												3 hr.											
4 hr.												4 hr.												4 hr.											
5 hr.												5 hr.												5 hr.											
6 hr.												6 hr.												6 hr.											
7 hr.												7 hr.												7 hr.											
8 hr.												8 hr.												8 hr.											
Deviation												Deviation												Deviation											
Survey taken at												Survey taken at												Survey taken at											
Degrees off												Degrees off												Degrees off											
Direction												Direction												Direction											
CREW												CREW												CREW											
Derrickman												Derrickman												Derrickman											
Cathead												Cathead												Cathead											
Fireman												Fireman												Fireman											
Floorman												Floorman												Floorman											
Driller												Driller												Driller											
Tool Pusher												Tool Pusher												Tool Pusher											
Gallons Fuel Used												Gallons Fuel Used												Gallons Fuel Used											
Remarks												Remarks												Remarks											
TRIP TIME												TRIP TIME												TRIP TIME											
TOTAL HOURS												TOTAL HOURS												TOTAL HOURS											

Name and No. of Well

Field

HUSKY OIL & REFINING LTD. DRILLING RIG TOUR REPORT

Date

Name and No. of Rig

TOUR No. ONE

TOUR No. TWO

TOUR No. THREE

TOUR No. ONE										TOUR No. TWO										TOUR No. THREE									
DRILL PIPE					CASING DEPTH					DRILL PIPE					CASING DEPTH					DRILL PIPE					CASING DEPTH				
Drill Collar Stand and Bit Reamers, Core Barrel, etc.					Size O.D. 10 3/4					Drill Collar Stand and Bit Reamers, Core Barrel, etc.					Size O.D. 10 3/4					Drill Collar Stand and Bit Reamers, Core Barrel, etc.					Size O.D. 10 3/4				
STANDS CORE BARREL					Depth of Shoe 263 KB					STANDS					Depth of Shoe 263 KB					STANDS					Depth of Shoe 263 KB				
BIT + SUB					DEPTH OF HOLE					DEPTH OF HOLE					DEPTH OF HOLE					DEPTH OF HOLE					DEPTH OF HOLE				
59 Singles					1782.02					64 Singles					1852.52					Singles					2043				
Depth at Beginning of Tour					20-20					Depth at Beginning of Tour					2042					Singles					2043				
Footage Cored					20					Footage Cored					31					Footage Cored					20				
Footage Drilled					20					Footage Drilled					1					Footage Drilled					20				
Kelly Down					4.275					Kelly Down					13.00					Kelly Down					31				
Total Pipe for Bottom					2042.90					Total Pipe for Bottom					2043 (9" AR)					Total Pipe for Bottom					2043				
Depth at End of Tour					2042.90					Depth at End of Tour					2043 (9" AR)					Depth at End of Tour					2043				
Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud						
1 hr.								1 hr.								1 hr.													
2 hr.				10.1	55			2 hr.								2 hr.													
3 hr.					56	9.5	5.7	3 hr.								3 hr.													
4 hr.					56			4 hr.								4 hr.													
5 hr.								5 hr.								5 hr.													
6 hr.								6 hr.								6 hr.													
7 hr.								7 hr.								7 hr.													
8 hr.								8 hr.								8 hr.													

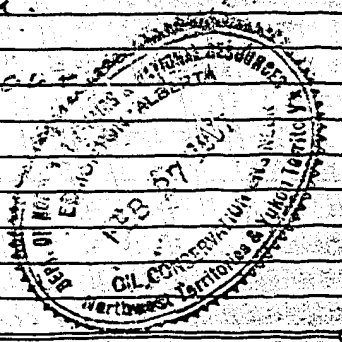
BITS USED					CORES TAKEN					BITS USED					CORES TAKEN					BITS USED					CORES TAKEN				
Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery						
6 1/4	2	1257	20	20	20	20	100%	9	56	1531	20	20	20	20	100%	6 1/4	1995	10	20	20	20	20	100%						

TOUR No. ONE				TOUR No. TWO				TOUR No. THREE			
Deviation	Survey taken at	Degrees off	Direction	Deviation	Survey taken at	Degrees off	Direction	Deviation	Survey taken at	Degrees off	Direction

CREW		TIME ANALYSIS		CREW		TIME ANALYSIS		CREW		TIME ANALYSIS	
Derrickman	J.C. REID	DRILLING		Derrickman	F.J. SIMPSON	DRILLING		Derrickman	Phenex	DRILLING	
Cathead		CORING		Cathead		CORING		Cathead		CORING	
Fireman	A.A. REID	REAMING		Fireman	WELCH	REAMING		Fireman		REAMING	
Floorman	R. CLARKSON	CONDITIONING MUD		Floorman	Sam Brown	CONDITIONING MUD		Floorman		CONDITIONING MUD	
Floorman	J. MORIN	CIRCULATING		Floorman	J. HARRIS	CIRCULATING		Floorman		CIRCULATING	
Driller	J. BUZZELL	FISHING		Driller	L. LAMBERT	FISHING		Driller		FISHING	
Tool Pusher		RUNNING DEVIATION		Tool Pusher		RUNNING DEVIATION		Tool Pusher		RUNNING DEVIATION	
Signature		RUNNING ELECTRIC LOG		Signature		RUNNING ELECTRIC LOG		Signature		RUNNING ELECTRIC LOG	
Gallons Fuel Used		WAITING ON CEMENT		Gallons Fuel Used		WAITING ON CEMENT		Gallons Fuel Used		WAITING ON CEMENT	
Remarks:		OILING, GREASING		Remarks:		OILING, GREASING		Remarks:		OILING, GREASING	
12:00-1:30 RUN IN HOLE		SHUT DOWN REPAIRS				SHUT DOWN REPAIRS				SHUT DOWN REPAIRS	
1:30-2:00 CIR.		TRIP TIME				TRIP TIME				TRIP TIME	
		TOTAL HOURS				TOTAL HOURS				TOTAL HOURS	

TOUR No. ONE		TOUR No. TWO		TOUR No. THREE	
2:00-6:30 CORING		8:00-9:00 - Full out		11:00-5:15 tripping out of hole	
6:30-8:00 P.L.K. in hole		9:00-10:30 - Recovered core		5:15-5:45 in hole	
		10:30-12:30 - Run in hole		5:45-6:45 - in hole	
		12:30-2:30 - Run in hole		6:45-9:00 - in hole	
		2:30-3:00 - CIR.		9:00-12:00 - Diamond core	
		3:00-4:00 - Full out			

500 gas fuel for mud



PD5 Name and No. of Well 1. Shikharajahi # 6.

Field N.M.T.

HUSKY OIL & REFINING LTD. DRILLING RIG TOUR REPORT

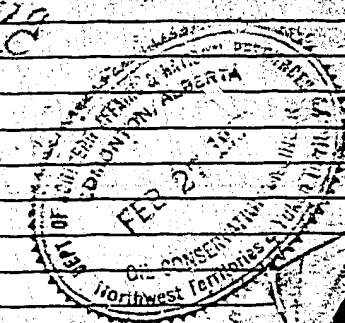
TOUR No. TWO

Date Jun-23-157

Name and No. of Rig Hebert 11

TOUR No. THREE

TOUR No. ONE

[illegible]

Name and No. of Well Thelma Lake #2
Field AT-122, T

HUSKY OIL & REFINING LTD.
DRILLING RIG TOUR REPORT
TOUR No. TWO

Date Jan 22 1971
Name and No. of Rig Husky #1
TOUR No. THREE

TOUR No. ONE										TOUR No. TWO										TOUR No. THREE										
DRILL PIPE					CASING DEPTH					DRILL PIPE					CASING DEPTH					DRILL PIPE					CASING DEPTH					
Drill Collar Stand and Bit Reamers, Core Barrel, etc.					Size O.D. <u>10 3/4"</u>					Drill Collar Stand and Bit Reamers, Core Barrel, etc.					Size O.D. <u>10 3/4"</u>					Drill Collar Stand and Bit Reamers, Core Barrel, etc.					Size O.D. <u>10 3/4"</u>					
STANDS					Depth of Shoe <u>263'</u>					STANDS					Depth of Shoe <u>263 K.B.</u>					STANDS					Depth of Shoe <u>263 K.B.</u>					
Singles					DEPTH OF HOLE <u>1829</u>					Singles					DEPTH OF HOLE <u>1829</u>					Singles					DEPTH OF HOLE <u>1830</u>					
Footage Cored					Footage Drilled					Footage Cored					Footage Drilled					Footage Cored					Footage Drilled					
Kelly Down					Depth at End of Tour <u>1829</u>					Kelly Down					Depth at End of Tour <u>1829</u>					Kelly Down					Depth at End of Tour <u>1835</u>					
Total Pipe for Bottom					Total Pipe for Bottom					Total Pipe for Bottom					Total Pipe for Bottom					Total Pipe for Bottom					Total Pipe for Bottom					
Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)			Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)			Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)			Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	
1 hr.		CONDITIONING				10.3	52	700		1 hr.		1817-1830									1 hr.									
2 hr.		MUD AND								2 hr.		Mud weight - 10.3									2 hr.									
3 hr.		PREPARING TO				10.3	52	700		3 hr.		Mud weight - 10.3									3 hr.									
4 hr.		TRIP FOR				5.0	10.3	700		4 hr.		Mud weight - 10.3									4 hr.									
5 hr.		TESTING								5 hr.		Mud weight - 10.3									5 hr.									
6 hr.						10.3	73	700		6 hr.		Mud weight - 10.3									6 hr.									
7 hr.										7 hr.		Mud weight - 10.3									7 hr.									
8 hr.		TRIPPING								8 hr.		Mud weight - 10.3									8 hr.									

BITS USED					CORES TAKEN					BITS USED					CORES TAKEN					BITS USED					CORES TAKEN						
Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery

CREW			TIME ANALYSIS			CREW			TIME ANALYSIS			CREW			TIME ANALYSIS				
Derrickman	Fireman	Floorman	Driller	Tool Pusher	Gallons Fuel Used	DRILLING	CORING	REAMING	CONDITIONING MUD	CIRCULATING	FISHING	RUNNING DEVIATION	RUNNING ELECTRIC LOG	WAITING ON CEMENT	OILING, GREASING	SHUT DOWN REPAIRS	TRIP TIME	TOTAL HOURS	
J. REED	A. REED	R. CLARKSON	J. B. ZIEGLER	L. B. ZIEGLER		DRILLING	CORING	REAMING	CONDITIONING MUD	CIRCULATING	FISHING	RUNNING DEVIATION	RUNNING ELECTRIC LOG	WAITING ON CEMENT	OILING, GREASING	SHUT DOWN REPAIRS	TRIP TIME	TOTAL HOURS	

CREW			TIME ANALYSIS			CREW			TIME ANALYSIS			CREW			TIME ANALYSIS				
Derrickman	Fireman	Floorman	Driller	Tool Pusher	Gallons Fuel Used	DRILLING	CORING	REAMING	CONDITIONING MUD	CIRCULATING	FISHING	RUNNING DEVIATION	RUNNING ELECTRIC LOG	WAITING ON CEMENT	OILING, GREASING	SHUT DOWN REPAIRS	TRIP TIME	TOTAL HOURS	
E. KEST	NOEL C. DAVEN	LEONARD HOLMAN	SAM BOWEN	L. LAMBERT		DRILLING	CORING	REAMING	CONDITIONING MUD	CIRCULATING	FISHING	RUNNING DEVIATION	RUNNING ELECTRIC LOG	WAITING ON CEMENT	OILING, GREASING	SHUT DOWN REPAIRS	TRIP TIME	TOTAL HOURS	

CREW			TIME ANALYSIS			CREW			TIME ANALYSIS			CREW			TIME ANALYSIS				
Derrickman	Fireman	Floorman	Driller	Tool Pusher	Gallons Fuel Used	DRILLING	CORING	REAMING	CONDITIONING MUD	CIRCULATING	FISHING	RUNNING DEVIATION	RUNNING ELECTRIC LOG	WAITING ON CEMENT	OILING, GREASING	SHUT DOWN REPAIRS	TRIP TIME	TOTAL HOURS	
D. CLEMENCE	A. REED	E. SIMPSON	R. E. SIMPSON	L. B. ZIEGLER		DRILLING	CORING	REAMING	CONDITIONING MUD	CIRCULATING	FISHING	RUNNING DEVIATION	RUNNING ELECTRIC LOG	WAITING ON CEMENT	OILING, GREASING	SHUT DOWN REPAIRS	TRIP TIME	TOTAL HOURS	

630 - 800 TRIPPING TO TEST.

8:00 - 10:45 - MAKE UP
PACKED & RUN IN HOLE
10:45 - 1:30 - SET PACKER
1:30 - 3:00 - PULL OUT
3:00 - 4:00 - BREAK DOWN
Tool & Lay Down

8:30 - 10:30 ON BOTTOM
10:30 - 11:15 BVC
11:15 - 11:45 Pull 9" Hole
11:45 - 12:00 PINE SAMPLE
JUNK SUB 2.10

500 gals fuel in mud

Name and No. of Well

LITTLE LAKES #12

Field

N.W.T.

HUSKY OIL & REFINING LTD.
DRILLING RIG TOUR REPORT

Date

Jan 4-1-57

Name and No. of Rig

Husky

TOUR No. ONE

TOUR No. TWO

TOUR No. THREE

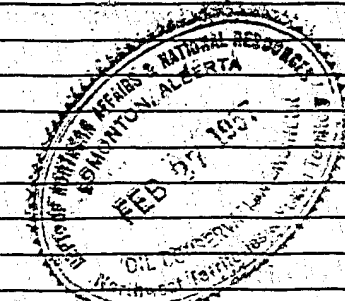
TOUR No. ONE										TOUR No. TWO										TOUR No. THREE									
DRILL PIPE					CASING DEPTH					DRILL PIPE					CASING DEPTH					DRILL PIPE					CASING DEPTH				
Drill Collar Stand and Bit Reamers, Core Barrel, etc.					Size O.D. 10 3/4					Drill Collar Stand and Bit Reamers, Core Barrel, etc.					Size O.D. 10 3/4					Drill Collar Stand and Bit Reamers, Core Barrel, etc.					Size O.D. 10 3/4				
STANDS					Depth of Shoe 263 K.B.					STANDS					Depth of Shoe 263 K.B.					STANDS					Depth of Shoe 263 K.B.				
DEPTH OF HOLE										DEPTH OF HOLE										DEPTH OF HOLE									
Singles					Depth at Beginning of Tour					Singles					Depth at Beginning of Tour					Singles					Depth at Beginning of Tour				
Footage Cored										Footage Cored										Footage Cored									
Kelly Down					Footage Drilled					Kelly Down					Footage Drilled					Kelly Down					Footage Drilled				
Total Pipe for Bottom					Depth at End of Tour 1830					Total Pipe for Bottom					Depth at End of Tour 1830					Total Pipe for Bottom					Depth at End of Tour 1830				
Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)			Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)			Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)			Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud
1 hr.					10.1	119		4666		1 hr.		11:11-1830									1 hr.		TIME 6:00			9.9	50		7
2 hr.										2 hr.											2 hr.								
3 hr.										3 hr.											3 hr.								
4 hr.										4 hr.											4 hr.								
5 hr.										5 hr.											5 hr.								
6 hr.										6 hr.											6 hr.								
7 hr.										7 hr.											7 hr.								
8 hr.										8 hr.											8 hr.								

BITS USED					CORES TAKEN					BITS USED					CORES TAKEN					BITS USED					CORES TAKEN				
Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery			Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery			Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery		
										9"	OSCIO	REMAN								9"	OSCIO	REMAN							

TOUR No. ONE				TOUR No. TWO				TOUR No. THREE			
Deviation	Survey taken at	Degrees off	Direction	Deviation	Survey taken at	Degrees off	Direction	Deviation	Survey taken at	Degrees off	Direction
	1830	00	—								

CREW		TIME ANALYSIS		CREW		TIME ANALYSIS		CREW		TIME ANALYSIS	
Derrickman	J. REID	DRILLING		Derrickman	E. J. KERTS	DRILLING		Derrickman	D. Clemente	DRILLING	
Cathead		CORING		Cathead		CORING		Cathead		CORING	
Fireman	A. REID	REAMING		Fireman	W. C. CROLEY	REAMING		Fireman	M. MARTIN	REAMING	7
Floorman	B. C. K. R. H. S. U. N.	CONDITIONING MUD		Floorman	LEONARD HOLMAN	CONDITIONING MUD		Floorman	G. SIMPSON	CONDITIONING MUD	
Floorman	J. MORAN	CIRCULATING		Floorman	SAM LAMBERT	CIRCULATING		Floorman	L. SHYMONIAK	CIRCULATING	1
Driller	J. D. L. Z. F. H.	FISHING		Driller	L. LAMBERT	FISHING		Driller	G. K. F. E. U. C. I. E. V.	FISHING	
Tool Pusher	G. D. P. L. C. H.	RUNNING DEVIATION		Tool Pusher	G. D. P. L. C. H.	RUNNING DEVIATION		Tool Pusher	G. D. P. L. C. H.	RUNNING DEVIATION	
		RUNNING ELECTRIC LOG				RUNNING ELECTRIC LOG				RUNNING ELECTRIC LOG	
		WAITING ON CEMENT				WAITING ON CEMENT				WAITING ON CEMENT	
		OILING, GREASING				OILING, GREASING				OILING, GREASING	
		SHUT DOWN REPAIRS				SHUT DOWN REPAIRS				SHUT DOWN REPAIRS	
Gallons Fuel Used				Gallons Fuel Used				Gallons Fuel Used			
Remarks:				Remarks:				Remarks:			
12:00-5:30 WAITING TO TEST											
TRIP TIME				TRIP TIME				TRIP TIME			
TOTAL HOURS				TOTAL HOURS				TOTAL HOURS			

TOUR No. ONE		TOUR No. TWO		TOUR No. THREE	
5:30 TO 8:00 TRIPPING TO TEST		8:00 - 8:45 = MAKE UP PACKER		11:00 - 12:00 REPAIRS TO BOTTOM	
		8:45 - 10:30 = RUN IN HOLE			
		10:30 - 12:00 = PULL OUT TO KEAM			
		12:00 - 12:45 = LAY DOWN PACKER			
		12:45 - 2:30 = RUN IN TO KEAM			
		2:30 - 4:00 = KEAMING 9' HOLD			
		LENARD HOLMAN HURT RIGHT THUMB IN TOURS.			



Name and No. of Well

TTH - INIA LAKE #2

Field

N.W.T.

HUSKY OIL & REFINING LTD.
DRILLING RIG TOUR REPORT

Date

Mar 20 1957

Name and No. of Rig

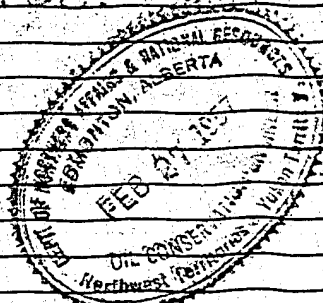
Husky #1

TOUR No. ONE

TOUR No. TWO

TOUR No. THREE

TOUR No. ONE								TOUR No. TWO								TOUR No. THREE								
DRILL PIPE				CASING DEPTH				DRILL PIPE				CASING DEPTH				DRILL PIPE				CASING DEPTH				
Drill Collar Stand and Bit Reamers, Core Barrel, etc.				Size O.D. 10 3/4				Drill Collar Stand and Bit Reamers, Core Barrel, etc.				Size O.D. 10 3/4				Drill Collar Stand and Bit Reamers, Core Barrel, etc.				Size O.D. 10 3/4				
STANDS				Depth of Shoe 263 K.B.				STANDS				Depth of Shoe 263 K.B.				STANDS				Depth of Shoe 263 K.B.				
DEPTH OF HOLE								DEPTH OF HOLE								DEPTH OF HOLE								
Singles								Singles								Singles								
Depth at Beginning of Tour 1494								Depth at Beginning of Tour 1535								Depth at Beginning of Tour 1737								
Footage Cored								Footage Cored								Footage Cored								
Footage Drilled 40								Footage Drilled 200								Footage Drilled 95								
Total Pipe for Bottom 1535								Total Pipe for Bottom 1735.3								Total Pipe for Bottom 1830								
FORMATION DURING LAST HOUR (Include Oil and Gas Shows)								FORMATION DURING LAST HOUR (Include Oil and Gas Shows)								FORMATION DURING LAST HOUR (Include Oil and Gas Shows)								
Time	Depth	Formation	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	
1 hr.								1 hr.									1 hr.							
2 hr.								2 hr.									2 hr.							
3 hr.								3 hr.									3 hr.							
4 hr.								4 hr.									4 hr.							
5 hr.								5 hr.									5 hr.							
6 hr.								6 hr.									6 hr.							
7 hr.								7 hr.									7 hr.							
8 hr.								8 hr.									8 hr.							
BITS USED								BITS USED								BITS USED								
Size Type Serial No. Footage This Tour Total Footage								Size Type Serial No. Footage This Tour Total Footage								Size Type Serial No. Footage This Tour Total Footage								
9 OSC 10 7/8 40 40								9 OSC 10 7/8 200 240								9 OSC 10 7/8 94 769								
CORES TAKEN								CORES TAKEN								CORES TAKEN								
Size Type Serial No. Footage This Tour Total Footage To From Recovery								Size Type Serial No. Footage This Tour Total Footage To From Recovery								Size Type Serial No. Footage This Tour Total Footage To From Recovery								
Deviation Survey taken at Degrees off Direction								Deviation Survey taken at Degrees off Direction								Deviation Survey taken at Degrees off Direction								
CREW								CREW								CREW								
Derrickman J. REED								Derrickman E.T. KEATS								Derrickman D. Phenomenon								
Cathead								Cathead								Cathead								
Fireman A. REED								Fireman NOEL GRADY								Fireman R. GRADY								
Floorman R. CLARKSON								Floorman LENARD HOLM								Floorman E. SIMPSON								
Floorman J. MORIN								Floorman SAM HANNEY								Floorman J. SIMPSON								
Driller J. BOUTELLE								Driller L. LAMBERT								Driller B. LAMBERT								
Tool Pusher G. D. HITCH								Tool Pusher G. D. HITCH								Tool Pusher G. D. HITCH								
Gallons Fuel Used								Gallons Fuel Used								Gallons Fuel Used								
Remarks:								Remarks:								Remarks:								
12:00-5:15 TRIP								8:00-4:00 - DRILLING								4:00-8:45 time out								
to READING																8:45-10:30 Circulating								
to BOTTOM																10:30-12:00 Conditioning mud								
5:15-6:30 CIR. HOLE & CON. MUD																								
6:30-8:00 DRILLING																								
CHECKED B.O.P.								CHECKED B.O.P.								CHECKED B.O.P.								



HUSKY OIL & REFINING LTD. DRILLING RIG TOUR REPORT TOUR No. TWO

Date Apr 10 1957
Name and No. of Rig Black D. - 1

TOUR No. ONE

TOUR No. TWO

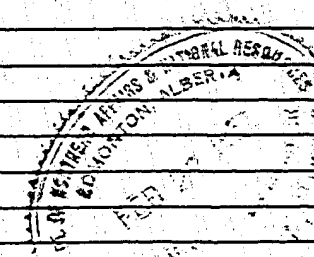
TOUR No. THREE

TOUR NO. ONE										TOUR NO. TWO										TOUR NO. THREE									
DRILL PIPE				CASING DEPTH						DRILL PIPE				CASING DEPTH						DRILL PIPE				CASING DEPTH					
Drill Collar Stand and Bit Reamers, Core Barrel, etc.				Size O.D.						Drill Collar Stand and Bit Reamers, Core Barrel, etc.				Size O.D.						Drill Collar Stand and Bit Reamers, Core Barrel, etc.				Size O.D.					
STANDS				Depth of Shoe						STANDS				Depth of Shoe						STANDS				Depth of Shoe					
DEPTH OF HOLE										DEPTH OF HOLE										DEPTH OF HOLE									
Singles				Depth at Beginning of Tour						Singles				Depth at Beginning of Tour						Singles				Depth at Beginning of Tour					
Footage Cored										Footage Cored										Footage Cored									
Kelly Down				Footage Drilled						Kelly Down				Footage Drilled						Kelly Down				Footage Drilled					
Total Pipe for Bottom				Depth at End of Tour						Total Pipe for Bottom				Depth at End of Tour						Total Pipe for Bottom				Depth at End of Tour					
Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)		Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)		Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)		Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud			
1 hr.				10.2	47	700	7		1 hr.				10.8	56				1 hr.				7	11	57					
2 hr.				10.3	46	700	6.5		2 hr.									2 hr.				52	11	10					
3 hr.				10.3	50	700	6.5		3 hr.									3 hr.											
4 hr.				10.4	44	725	6		4 hr.									4 hr.											
5 hr.				10.5	47	725	7		5 hr.									5 hr.											
6 hr.				10.6	45	QUEBACH			6 hr.									6 hr.				2	5	LBS QUEB					
7 hr.				50	85	CRAUSTIC			7 hr.									7 hr.				2	5	LBS CRAUSTIC					
8 hr.									8 hr.									8 hr.				5	0	LBS MUD					
BITS USED				CORES TAKEN						BITS USED				CORES TAKEN						BITS USED				CORES TAKEN					
Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery		Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery		Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery				
9"	O.S.C.I.B.	Q11049	18	294					9"	O.S.C.I.B.	94069	58	352					9"	O.S.C.I.B.	94069	86	438							
Deviation				Survey taken at		Degrees off		Direction		Deviation				Survey taken at		Degrees off		Direction		Deviation				Survey taken at		Degrees off		Direction	
CREW				TIME ANALYSIS						CREW				TIME ANALYSIS						CREW				TIME ANALYSIS					
Derrickman				DRILLING		4				Derrickman				DRILLING		3 1/2				Derrickman				DRILLING		5			
Cathead				CORING						Cathead				CORING						Cathead				CORING					
Fireman				REAMING						Fireman				REAMING						Fireman				REAMING					
Floorman				CONDITIONING MUD						Floorman				CONDITIONING MUD						Floorman				CONDITIONING MUD		2 1/2			
Floorman				CIRCULATING						Floorman				CIRCULATING						Floorman				CIRCULATING					
Driller				FISHING						Driller				FISHING						Driller				FISHING					
Tool Pusher				RUNNING DEVIATION						Tool Pusher				RUNNING DEVIATION						Tool Pusher				RUNNING DEVIATION					
Gallons Fuel Used				RUNNING ELECTRIC LOG						Gallons Fuel Used				RUNNING ELECTRIC LOG						Gallons Fuel Used				RUNNING ELECTRIC LOG					
Remarks:				WAITING ON CEMENT						Remarks:				WAITING ON CEMENT						Remarks:				WAITING ON CEMENT					
				OILING, GREASING										OILING, GREASING										OILING, GREASING					
				SHUT DOWN REPAIRS										SHUT DOWN REPAIRS										SHUT DOWN REPAIRS					
				TRIP TIME										TRIP TIME										TRIP TIME					
				TOTAL HOURS										TOTAL HOURS										TOTAL HOURS					
12:00 - 4:00 Dthg. 9" Hole.										956 - 215. WORKED ON PUMP CHANGED HEADS + LINERS										4:00 - 9:00 - DTHG 9" HOLE									
Check B.O.P.										215 - 400 DRILLING 9" HOLE										9:00 - 11:30 - CONT.									
										98										11:30 - 12:00 STOP									
																				400 gals. drill fluid used									
										CHECKED B.O.P.																			

Name and No. of Well Tail Lake 2nd
 Field N.W.T.
HUSKY OIL & REFINING LTD.
DRILLING RIG TOUR REPORT

 Date Jun. 18, 1957
 Name and No. of Rig Husky Rig 5
TOUR No. ONE**TOUR No. TWO****TOUR No. THREE**

TOUR No. ONE										TOUR No. TWO										TOUR No. THREE																																																											
DRILL PIPE					CASING DEPTH					DRILL PIPE					CASING DEPTH					DRILL PIPE					CASING DEPTH																																																						
6 Drill Collar Stand and Bit Reamers, Core Barrel, etc.					177					Size O.D. 10 3/4					177					Size O.D. 10 3/4					6 Drill Collar Stand and Bit Reamers, Core Barrel, etc.					177.38					Size O.D. 10 3/4																																												
STANDS					263 K.B.					STANDS					263 K.B.					STANDS					263 K.B.					STANDS					263 K.B.																																												
DEPTH OF HOLE										DEPTH OF HOLE										DEPTH OF HOLE																																																											
28 Singles										845										Depth at Beginning of Tour										970.										Singles										845										Depth at Beginning of Tour										1055'									
Footage Cored																				Footage Cored																				Footage Cored																				Footage Cored																			
Kelly Down										33										Footage Drilled										85										Kelly Down										33										Footage Drilled										110'									
Total Pipe for Bottom										1045										Depth at End of Tour										1055										Total Pipe for Bottom										1045										Depth at End of Tour										1055									
Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)			Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)			Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)			Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud																																																		
1 hr.					9.9	49	8			1 hr.											1 hr.					10.1	46	100	7																																																		
2 hr.					9.9	48	7			2 hr.											2 hr.					10.2	45	100	7																																																		
3 hr.					10	45	6.5			3 hr.											3 hr.																																																										
4 hr.										4 hr.											4 hr.																																																										
5 hr.					100	LBS	Overh. Patch			5 hr.											5 hr.					20	LBS	Overh. Patch																																																			
6 hr.					40	LBS	CAUSTIC			6 hr.											6 hr.																																																										
7 hr.										7 hr.											7 hr.																																																										
8 hr.										8 hr.											8 hr.																																																										
BITS USED										CORES TAKEN										BITS USED										CORES TAKEN										BITS USED										CORES TAKEN																													
Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery				Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery				Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery																																																		
9	SL	160189	84	555																		9	OSC	189405	110	110																																																					
9	SL	156311																																																																													
Deviation										Survey taken at										Degrees off										Direction										Deviation										Survey taken at										Degrees off										Direction									
CREW										TIME ANALYSIS										CREW										TIME ANALYSIS										CREW										TIME ANALYSIS																													
Derrickman D. Chennice										DRILLING										Derrickman J. Reid										DRILLING										Derrickman E.J. Reid										DRILLING																													
Cathead										CORING										Cathead										CORING										Cathead										CORING																													
Fireman M. Martin										REAMING										Fireman A.P. Reid										REAMING										Fireman Noel Chawley										REAMING																													
Floorman L. Simpson										CONDITIONING MUD										Floorman R.C. Larkson										CONDITIONING MUD										Floorman Lenard Holm										CONDITIONING MUD																													
Floorman J. Moniak										CIRCULATING										Floorman J. Morin										CIRCULATING										Floorman Sam Conner										CIRCULATING																													
Driller G. F. Fencien										FISHING										Driller D. Buzzell										FISHING										Driller L. Lambert										FISHING																													
Tool Pusher										RUNNING DEVIATION										Tool Pusher										RUNNING DEVIATION										Tool Pusher										RUNNING DEVIATION																													
Signature										RUNNING ELECTRIC LOG										Signature										RUNNING ELECTRIC LOG										Signature										RUNNING ELECTRIC LOG																													
Gallons Fuel Used										WAITING ON CEMENT										Gallons Fuel Used										WAITING ON CEMENT										Gallons Fuel Used										WAITING ON CEMENT																													
Remarks:										OILING, GREASING										Remarks:										OILING, GREASING										Remarks:										OILING, GREASING																													
										SHUT DOWN REPAIRS																				SHUT DOWN REPAIRS																				SHUT DOWN REPAIRS																													
TRIP TIME																				TRIP TIME																				TRIP TIME																				TRIP TIME																			
TOTAL HOURS																				TOTAL HOURS																				TOTAL HOURS																				TOTAL HOURS																			
12:00 - 5:00 1) Plug 9" Hole																				ON PLUGGED 12:15																				4:00 - 8:30 - HEAM TO BOTTOM																																							
5:00 - 9:00 ON C. Bottom With New Bit																																								8:30 - 12:00 - 12" HOLE																																							
Check Trip?																																																																															



Name and No. of Well

Field

HUSKY OIL & REFINING LTD. DRILLING RIG TOUR REPORT

Date

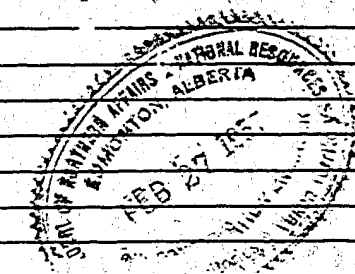
Name and No. of Rig

TOUR No. ONE

TOUR No. TWO

TOUR No. THREE

TOUR No. ONE						TOUR No. TWO						TOUR No. THREE											
DRILL PIPE			CASING DEPTH			DRILL PIPE			CASING DEPTH			DRILL PIPE			CASING DEPTH								
6 Drill Collar Stand and Bit Reamers, Core Barrel, etc.			177			Size O.D. 10 3/4			177			6 Drill Collar Stand and Bit Reamers, Core Barrel, etc.			177.38								
STANDS			263 K.B.			STANDS			263 K.B.			STANDS			263 K.B.								
11 Singles			333			Depth at Beginning of Tour			596			25 Singles			758.33								
Footage Cored			Footage Drilled			Footage Cored			Footage Drilled			Footage Cored			Footage Drilled								
Kelly Down			25			Kelly Down			20			Kelly Down			35								
Total Pipe for Bottom			535			Total Pipe for Bottom			743			Total Pipe for Bottom			970								
Depth at End of Tour			535			Depth at End of Tour			743			Depth at End of Tour			970								
Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud
1 hr.				9.5	41			1 hr.				9.6	40			1 hr.				9.6	60		
2 hr.		5 BAGS COMPOUND		9.5	43			2 hr.								2 hr.				9.5	52		
3 hr.		50 LBS CAUSTIC		9.6	42			3 hr.								3 hr.				9.8	50		
4 hr.		50 LBS CAUSTIC						4 hr.								4 hr.				9.9	48	9	
5 hr.								5 hr.								5 hr.							
6 hr.								6 hr.								6 hr.				200 LBS OILFB			
7 hr.								7 hr.								7 hr.				100 LBS CAUSTIC			
8 hr.								8 hr.								8 hr.							
BITS USED						BITS USED						BITS USED											
Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery
9	56	160183	32	32				9	56	160183	209	209				9	56	160183	227	227			
CORES TAKEN						CORES TAKEN						CORES TAKEN											
To						To						To											
From						From						From											
Recovery						Recovery						Recovery											
Deviation						Deviation						Deviation											
Survey taken at						Survey taken at						Survey taken at											
Degrees off						Degrees off						Degrees off											
Direction						Direction						Direction											
CREW						CREW						CREW											
Derrickman						Derrickman						Derrickman											
Cathead						Cathead						Cathead											
Fireman						Fireman						Fireman											
Floorman						Floorman						Floorman											
Floorman						Floorman						Floorman											
Driller						Driller						Driller											
Tool Pusher						Tool Pusher						Tool Pusher											
Gallons Fuel Used						Gallons Fuel Used						Gallons Fuel Used											
Remarks:						Remarks:						Remarks:											
TRIP TIME						TRIP TIME						TRIP TIME											
TOTAL HOURS						TOTAL HOURS						TOTAL HOURS											
12:00 - 1:45 - Pick up Drill Collar						12:00 - 1:45 - Pick up Drill Collar						12:00 - 1:45 - Pick up Drill Collar											
1:45 - 4:00 - Drill out Short Ream						1:45 - 4:00 - Drill out Short Ream						1:45 - 4:00 - Drill out Short Ream											
4:00 - 8:00 - Drill 9" Hole						4:00 - 8:00 - Drill 9" Hole						4:00 - 8:00 - Drill 9" Hole											
700 gals Fuel used in Mud						700 gals Fuel used in Mud						700 gals Fuel used in Mud											



Name and No. of Well

Field

HUSKY OIL & REFINING LTD. DRILLING RIG TOUR REPORT

Date

Name and No. of Rig

TOUR No. ONE

TOUR No. TWO

TOUR No. THREE

TOUR No. ONE								TOUR No. TWO								TOUR No. THREE							
DRILL PIPE				CASING DEPTH				DRILL PIPE				CASING DEPTH				DRILL PIPE				CASING DEPTH			
Drill Collar Stand and Bit Reamers, Core Barrel, etc.				Size O.D. <u>10 3/4</u>				Drill Collar Stand and Bit Reamers, Core Barrel, etc.				Size O.D. <u>10 3/4</u>				Drill Collar Stand and Bit Reamers, Core Barrel, etc.				Size O.D. <u>10 3/4</u>			
STANDS				Depth of Shoe <u>263 K.B.</u>				STANDS				Depth of Shoe <u>263 K.B.</u>				STANDS				Depth of Shoe <u>263 K.B.</u>			
DEPTH OF HOLE								DEPTH OF HOLE								DEPTH OF HOLE							
Singles				Depth at Beginning of Tour				Singles				Depth at Beginning of Tour				Singles				Depth at Beginning of Tour			
Footage Cored				Footage Drilled				Footage Cored				Footage Drilled				Footage Cored				Footage Drilled			
Kelly Down				Total Pipe for Bottom				Kelly Down				Total Pipe for Bottom				Kelly Down				Total Pipe for Bottom			
Depth at End of Tour <u>503</u>				Depth at End of Tour <u>503</u>				Depth at End of Tour <u>503</u>				Depth at End of Tour <u>503</u>				Depth at End of Tour <u>503</u>							
Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud
1 hr.								1 hr.								1 hr.							
2 hr.								2 hr.								2 hr.							
3 hr.								3 hr.								3 hr.							
4 hr.								4 hr.								4 hr.							
5 hr.								5 hr.								5 hr.							
6 hr.								6 hr.								6 hr.							
7 hr.								7 hr.								7 hr.							
8 hr.								8 hr.								8 hr.							

BITS USED						CORES TAKEN						BITS USED						CORES TAKEN					
Size	Type	Serial No.	Footage This Tour	Total Footage	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	Recovery
												9"	56	160123									

Deviation	Survey taken at	Degrees off	Direction	Deviation	Survey taken at	Degrees off	Direction	Deviation	Survey taken at	Degrees off	Direction

CREW		TIME ANALYSIS		CREW		TIME ANALYSIS		CREW		TIME ANALYSIS	
Derrickman	<u>D. CLEMMENCE</u>	DRILLING		Derrickman	<u>A. REID</u>	DRILLING		Derrickman	<u>E.J. KEATS</u>	DRILLING	
Cathead		CORING		Cathead		CORING		Cathead		CORING	
Fireman	<u>M. MARTIN</u>	REAMING		Fireman	<u>A.A. REID</u>	REAMING		Fireman	<u>NOEL CRAWLEY</u>	REAMING	
Floorman	<u>E. SCARPERN</u>	CONDITIONING MUD		Floorman	<u>R. CLARKSON</u>	CONDITIONING MUD		Floorman	<u>LEONARD HOLMAN</u>	CONDITIONING MUD	
Floorman	<u>J. THOMPSON</u>	CIRCULATING		Floorman	<u>J. MARIN</u>	CIRCULATING		Floorman	<u>SAM DONNETT</u>	CIRCULATING	
Driller	<u>B. KITCHEN</u>	FISHING		Driller	<u>J. BUEZELLE</u>	FISHING		Driller	<u>L. LAMBERT</u>	FISHING	
Tool Pusher	<u>R. DUTCH</u>	RUNNING DEVIATION		Tool Pusher	<u>R. DUTCH</u>	RUNNING DEVIATION		Tool Pusher	<u>R. DUTCH</u>	RUNNING DEVIATION	
		RUNNING ELECTRIC LOG				RUNNING ELECTRIC LOG				RUNNING ELECTRIC LOG	
		WAITING ON CEMENT				WAITING ON CEMENT				WAITING ON CEMENT	
		OILING, GREASING				OILING, GREASING				OILING, GREASING	
		SHUT DOWN REPAIRS				SHUT DOWN REPAIRS				SHUT DOWN REPAIRS	
Gallons Fuel Used		TRIP TIME		Gallons Fuel Used		TRIP TIME		Gallons Fuel Used		TRIP TIME	
Remarks:		TOTAL HOURS		Remarks:		TOTAL HOURS		Remarks:		TOTAL HOURS	

12:00 - 8:00 W.B.C.	4:00 - 12:00 - HEAD UP PRESSURE UP WITH 500 IRs
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Name and No. of Well 45111111 Lake 2
Field N.W. 4

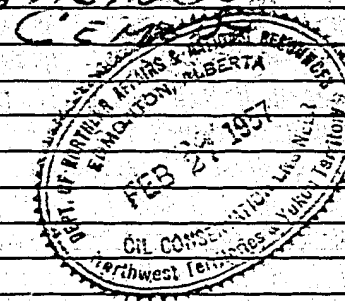
HUSKY OIL & REFINING LTD. DRILLING RIG TOUR REPORT

Date Jan. 14. 1947
Name and No. of Rig Husk Root

TOUR No. ONE

TOUR No. TWO

TOUR No. THREE

[illegible]

Name and No. of Well

Field

TOUR No. ONE

HUSKY OIL & REFINING LTD.
DRILLING RIG TOUR REPORT

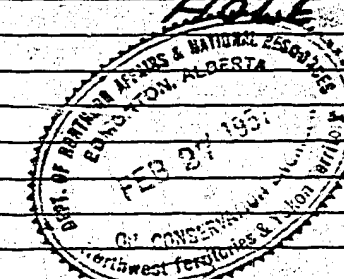
TOUR No. TWO

Date JAN 13 1957

Name and No. of Rig Husky Rig E

TOUR No. THREE

TOUR No. ONE						TOUR No. TWO						TOUR No. THREE					
DRILL PIPE			CASING DEPTH			DRILL PIPE			CASING DEPTH			DRILL PIPE			CASING DEPTH		
3	Drill Collar Stand and Bit Reamers, Core Barrel, etc.	87	Size O.D.			97	Size O.D.			3	Drill Collar Stand and Bit Reamers, Core Barrel, etc.	87 1/4	Size O.D.				
STANDS			Depth of Shoe			STANDS			Depth of Shoe			STANDS			Depth of Shoe		
DEPTH OF HOLE						DEPTH OF HOLE						DEPTH OF HOLE					
6	Singles	180	Depth at Beginning of Tour	244		9	Singles	271	Depth at Beginning of Tour	302	12	Singles	362-37	Depth at Beginning of Tour	375		
			Footage Cored						Footage Cored						Footage Cored		
Kelly Down		35	Footage Drilled		34	Kelly Down		17	Footage Drilled		13	Kelly Down		21	Footage Drilled		
Total Pipe for Bottom		302	Depth at End of Tour		302	Total Pipe for Bottom		372	Depth at End of Tour		375	Total Pipe for Bottom		490.53	Depth at End of Tour		
Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)		Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)		Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud
1 hr.					10.1	56			1 hr.					10.2	54		
2 hr.					10.1	52			2 hr.					10.2	54		
3 hr.					10.1	49			3 hr.					10.2	49		
4 hr.					10.1	50			4 hr.					10.2	49		
5 hr.									5 hr.								
6 hr.					10.1	50			6 hr.								
7 hr.					WATER				7 hr.								
8 hr.									8 hr.								
BITS USED						BITS USED						BITS USED					
Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery		
9	S6	16015	34	34				9	S6	16015	13	107					
CORES TAKEN						CORES TAKEN						CORES TAKEN					
Deviation						Deviation						Deviation					
Survey taken at 264						Survey taken at 429						Survey taken at 429					
Degrees off 1						Degrees off 4						Degrees off 4					
Direction						Direction						Direction					
CREW						CREW						CREW					
Derrickman D. PLANNING						Derrickman D. REID						Derrickman E. KEATE					
Cathead						Cathead						Cathead					
Fireman						Fireman A. REID						Fireman					
Floorman E. S. J. SON						Floorman R. CLARKSON						Floorman L. N. H. M. P.					
Floorman						Floorman J. MORIN						Floorman					
Driller						Driller J. B. Z. F. H.						Driller					
Tool Pusher						Tool Pusher						Tool Pusher					
Gallons Fuel Used						Gallons Fuel Used						Gallons Fuel Used					
Remarks:						Remarks:						Remarks:					
TRIP TIME						TRIP TIME						TRIP TIME					
TOTAL HOURS						TOTAL HOURS						TOTAL HOURS					
12:00 - 1:30 New Bit						DRILLING 9" HOLE						4:00 - 12:00 - DRILL 9" HOLE					
1:30 - 3:00 1 1/2" 9" Hole																	
3:00 - 3:30 Shutting on Pump																	
3:30 - 6:45 1 1/2" 9" Hole																	
6:45 - 7:15 Shutting on Pump																	
7:15 - 8:00 1 1/2" 9" Hole																	



20 3/4 HRS ON BIT

Name and No. of Well

Field

HUSKY OIL & REFINING LTD. DRILLING RIG TOUR REPORT

Date

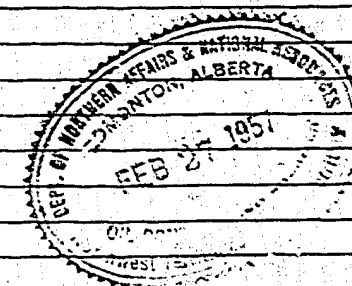
Name and No. of Rig

TOUR No. THREE

TOUR No. ONE

TOUR No. TWO

TOUR No. ONE						TOUR No. TWO						TOUR No. THREE											
DRILL PIPE			CASING DEPTH			DRILL PIPE			CASING DEPTH			DRILL PIPE			CASING DEPTH								
3	Drill Collar Stand and Bit Reamers, Core Barrel, etc.	874	Size O.D.			3	Drill Collar Stand and Bit Reamers, Core Barrel, etc.	47	Size O.D.			87	Drill Collar Stand and Bit Reamers, Core Barrel, etc.		Size O.D.								
STANDS			Depth of Shoe			STANDS			Depth of Shoe			STANDS			Depth of Shoe								
DEPTH OF HOLE						DEPTH OF HOLE						DEPTH OF HOLE											
2	Singles	61	Depth at Beginning of Tour	114		4	Singles	130	Depth at Beginning of Tour	176			Singles	144	Depth at Beginning of Tour	219							
			Footage Cored						Footage Cored						Footage Cored								
Kelly Down		28	Footage Drilled		62	Kelly Down		12	Footage Drilled		434761	Kelly Down		30	Footage Drilled		32						
Total Pipe for Bottom		176	Depth at End of Tour		176	Total Pipe for Bottom		219	Depth at End of Tour		219	Total Pipe for Bottom		767	Depth at End of Tour		268						
Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud
1 hr.				56				1 hr.				10.2	57			1 hr.				10.2	57		
2 hr.								2 hr.				10.1	58			2 hr.				10.1	58		
3 hr.				57				3 hr.					50			3 hr.					50		
4 hr.				10	35			4 hr.					47			4 hr.					47		
5 hr.								5 hr.								5 hr.							
6 hr.								6 hr.								6 hr.							
7 hr.				WATER				7 hr.								7 hr.							
8 hr.								8 hr.								8 hr.							
BITS USED						BITS USED						BITS USED											
Size	Type	Serial No.	Footage This Tour	Total Footage		Size	Type	Serial No.	Footage This Tour	Total Footage		Size	Type	Serial No.	Footage This Tour	Total Footage							
13 3/4	OSC3	18394	62	62		13 3/4	OSC3	18394	43	43		13 3/4	OSC3	18394	49	49							
13 3/4	OSC3	18394	13	13																			
CORES TAKEN						CORES TAKEN						CORES TAKEN											
Size	Type	Serial No.	Footage This Tour	Total Footage		Size	Type	Serial No.	Footage This Tour	Total Footage		Size	Type	Serial No.	Footage This Tour	Total Footage							
13 3/4	OSC3	18394	43	43		13 3/4	OSC3	18394	43	43		13 3/4	OSC3	18394	49	49							
CREW						CREW						CREW											
Deviation	Survey taken at	Degrees off	Direction			Deviation	Survey taken at	Degrees off	Direction			Deviation	Survey taken at	Degrees off	Direction								
TIME ANALYSIS						TIME ANALYSIS						TIME ANALYSIS											
Derrickman	E. J. KEATS	DRILLING				Derrickman	D. L. LAMBERT	DRILLING				Derrickman	J. R. REID	DRILLING									
Cathead		CORING				Cathead	M. MARTIN	CORING				Cathead		CORING									
Fireman	NOEL CRAWLEY	REAMING				Fireman	E. SIMPSON	REAMING				Fireman	A. REID	REAMING									
Floorman	LEONARD HOLMAN	CONDITIONING MUD				Floorman	F. SHYMONIAK	CONDITIONING MUD				Floorman	J. MORIN	CONDITIONING MUD									
Floorman	SAM BOUTER	CIRCULATING				Floorman		CIRCULATING				Floorman	P. SIMPSON	CIRCULATING									
Driller	L. LAMBERT	FISHING				Driller	R. F. FIDELITY	FISHING				Driller	J. BUZZELL	FISHING									
Tool Pusher	E. G. PITCHER	RUNNING DEVIATION				Tool Pusher	L. G. PITCHER	RUNNING DEVIATION				Tool Pusher	G. G. PITCHER	RUNNING DEVIATION									
Gallons Fuel Used		RUNNING ELECTRIC LOG				Gallons Fuel Used		RUNNING ELECTRIC LOG				Gallons Fuel Used		RUNNING ELECTRIC LOG									
Remarks:		WAITING ON CEMENT				Remarks:		WAITING ON CEMENT				Remarks:		WAITING ON CEMENT									
		OILING, GREASING						OILING, GREASING						OILING, GREASING									
		SHUT DOWN REPAIRS						SHUT DOWN REPAIRS						SHUT DOWN REPAIRS									
		TRIP TIME						TRIP TIME						TRIP TIME									
		TOTAL HOURS						TOTAL HOURS						TOTAL HOURS									
12:00 - 4:00 - REAM.						8:00 - 11:00 - REAMING						8:30 - 11:00 DRILLING											
4:00 - 5:15 - WORK ON AIR CLUTCH												13 3/4 HOLE											
5:15 - 6:15 - TRIP												11:00 - 12:00 Run Service & Trip											
6:15 - 8:00 - REAM.																							



Name and No. of Well

ATHLINA

Field

NEW

LAKE

HUSKY OIL & REFINING LTD. DRILLING RIG TOUR REPORT

Date

Jan 10 1952

Name and No. of Rig

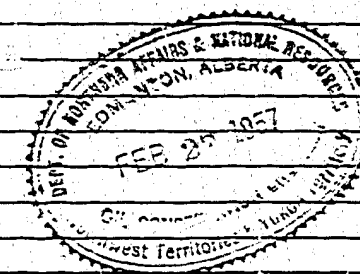
HUSKY R.B. 1

TOUR No. ONE

TOUR No. TWO

TOUR No. THREE

TOUR No. ONE								TOUR No. TWO								TOUR No. THREE								
DRILL PIPE				CASING DEPTH				DRILL PIPE				CASING DEPTH				DRILL PIPE				CASING DEPTH				
3 Drill Collar Stand and Bit Reamers, Core Barrel, etc.				87.4' Size O.D.				3 Drill Collar Stand and Bit Reamers, Core Barrel, etc.				87' Size O.D.				3 Drill Collar Stand and Bit Reamers, Core Barrel, etc.				87' Size O.D.				
STANDS				Depth of Shoe				STANDS				Depth of Shoe				STANDS				Depth of Shoe				
DEPTH OF HOLE								DEPTH OF HOLE								DEPTH OF HOLE								
4 Singles				119.5' Depth at Beginning of Tour				5 Singles				162' Depth at Beginning of Tour				Singles				6' 2' Depth at Beginning of Tour				
				Footage Cored								Footage Cored								Footage Cored				
Kelly Down				35' Footage Drilled				Kelly Down				19' Footage Drilled				Kelly Down				25' Footage Drilled				
Total Pipe for Bottom				241.92' Depth at End of Tour				Total Pipe for Bottom				251' Depth at End of Tour				Total Pipe for Bottom				114' Depth at End of Tour				
Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	
1 hr.								1 hr.				10	65			1 hr.					62			
2 hr.								2 hr.								2 hr.					53			
3 hr.								3 hr.								3 hr.					43			
4 hr.								4 hr.								4 hr.								
5 hr.								5 hr.								5 hr.								
6 hr.								6 hr.								6 hr.								
7 hr.								7 hr.								7 hr.								
8 hr.								8 hr.								8 hr.								
BITS USED				CORES TAKEN				BITS USED				CORES TAKEN				BITS USED				CORES TAKEN				
Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery	
9"	SG	15786	53	201				9"	SG	15786	8	204				13 3/4"	SG	18280	72	72	Almond			
Deviation				Survey taken at 1.88' Degrees off 1 Direction				Deviation				Survey taken at Degrees off Direction				Deviation				Survey taken at Degrees off Direction				
CREW				TIME ANALYSIS				CREW				TIME ANALYSIS				CREW				TIME ANALYSIS				
Derrickman F.S. KEATS				8				Derrickman D. CLAMON				3 1/2				Derrickman J. E. REID				7				
Cathead								Cathead								Cathead								
Fireman L. CRAWLEY								Fireman A. ANGLIN								Fireman A. A. REID								
Floorman L. H. HOLMAN								Floorman E. SIMPSON								Floorman R. CLARKSON								
Floorman SAM DUNDEBOUGH								Floorman S. SHIMONIAK								Driller S. BUZZELL								
Driller L. LAMBERT								Driller G. E. HENDERSON																
Tool Pusher G. H. LITCH								Tool Pusher G. H. LITCH								Tool Pusher G. H. LITCH								
Gallons Fuel Used								Gallons Fuel Used								Gallons Fuel Used								
Remarks:								Remarks:								Remarks:								
TRIP TIME								TRIP TIME								TRIP TIME								
TOTAL HOURS				8				TOTAL HOURS								TOTAL HOURS				9				
12:00 - 8:00 - DRLG								8:00 - 11:30 DRLG								5:00 - 12:00 REAMING 7" HOLE								
9" HOLE								11:30 - 12:45 Picked out for New B.H.								72 - 13 3/4"								
								12:45 - 1:00 Working on Core B.H.																



Name and No. of Well FAITHFULField

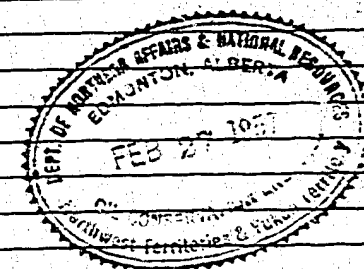
HUSKY OIL & REFINING LTD.

DRILLING RIG TOUR REPORT

TOUR No. TWO

 Date Jan 10 1957
 Name and No. of Rig Husky R-1
TOUR No. THREE

TOUR No. ONE										TOUR No. TWO										TOUR No. THREE									
DRILL PIPE					CASING DEPTH					DRILL PIPE					CASING DEPTH					DRILL PIPE					CASING DEPTH				
1 Drill Collar Stand and Bit Reamers, Core Barrel, etc. <u>25.88</u>					Size O.D. <u> </u>					Drill Collar Stand and Bit Reamers, Core Barrel, etc. <u>56.09</u>					Size O.D. <u> </u>					Drill Collar Stand and Bit Reamers, Core Barrel, etc. <u>87</u>					Size O.D. <u> </u>				
STANDS					Depth of Shoe <u> </u>					STANDS					Depth of Shoe <u> </u>					STANDS					Depth of Shoe <u> </u>				
Singles					DEPTH OF HOLE					Singles					DEPTH OF HOLE					Singles					DEPTH OF HOLE				
Depth at Beginning of Tour <u>23</u>					Footage Cored <u> </u>					Depth at Beginning of Tour <u>40</u>					Footage Cored <u> </u>					Depth at Beginning of Tour <u>60</u>					Footage Cored <u> </u>				
Footage Drilled <u>17</u>					Footage Drilled <u> </u>					Footage Drilled <u>55</u>					Footage Drilled <u> </u>					Footage Drilled <u>17</u>					Footage Drilled <u> </u>				
Depth at End of Tour <u>40'</u>					Depth at End of Tour <u> </u>					Depth at End of Tour <u>95</u>					Depth at End of Tour <u> </u>					Depth at End of Tour <u>175</u>					Depth at End of Tour <u> </u>				
Total Pipe for Bottom <u>40.88</u>					Total Pipe for Bottom <u> </u>					Total Pipe for Bottom <u>95.47</u>					Total Pipe for Bottom <u> </u>					Total Pipe for Bottom <u>175</u>					Total Pipe for Bottom <u> </u>				
Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)			Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)			Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)			Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud
1 hr.										1 hr.										1 hr.									
2 hr.										2 hr.										2 hr.									
3 hr.										3 hr.										3 hr.									
4 hr.										4 hr.										4 hr.									
5 hr.										5 hr.										5 hr.									
6 hr.										6 hr.										6 hr.									
7 hr.										7 hr.										7 hr.									
8 hr.										8 hr.										8 hr.									
BITS USED					CORES TAKEN					BITS USED					CORES TAKEN					BITS USED					CORES TAKEN				
Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery			Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery			Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery		
13 3/4	OSC	18250	17	32						13 3/4	OSC	18250	2	42						7"	SG	1575	6.73	14.5					
										9	SG	1575	5.5	9.5															
Deviation					Survey taken at					Deviation					Survey taken at					Deviation					Survey taken at				
Degrees off					Direction					Degrees off					Direction					Degrees off					Direction				
CREW					TIME ANALYSIS					CREW					TIME ANALYSIS					CREW					TIME ANALYSIS				
Derrickman <u>E. J. KERTS</u>					DRILLING					Derrickman <u>D. CLARENCE</u>					DRILLING					Derrickman <u>A. REID</u>					DRILLING				
Cathead <u>NOEL CRAWLEY</u>					CORING					Cathead <u>M. MARTIN</u>					CORING					Cathead <u> </u>					CORING				
Fireman <u>LEONARD HOLMAN</u>					REAMING					Fireman <u>E. SIMPSON</u>					REAMING					Fireman <u>A. REID</u>					REAMING				
Floorman <u>SAM BOWEN</u>					CONDITIONING MUD					Floorman <u>F. SHYMONIAK</u>					CONDITIONING MUD					Floorman <u>H. CLARKSON</u>					CONDITIONING MUD				
Driller <u>L. LAMBERT</u>					CIRCULATING					Driller <u>G. E. L. ENGLISH</u>					CIRCULATING					Driller <u>J. BULLZELL</u>					CIRCULATING				
Tool Pusher <u>G. B. Fitch</u>					FISHING					Tool Pusher <u>G. B. Fitch</u>					FISHING					Tool Pusher <u>G. B. Fitch</u>					FISHING				
SIGNATURE					SIGNATURE					SIGNATURE					SIGNATURE					SIGNATURE					SIGNATURE				
RUNNING DEVIATION					RUNNING DEVIATION					RUNNING DEVIATION					RUNNING DEVIATION					RUNNING DEVIATION					RUNNING DEVIATION				
RUNNING ELECTRIC LOG					RUNNING ELECTRIC LOG					RUNNING ELECTRIC LOG					RUNNING ELECTRIC LOG					RUNNING ELECTRIC LOG					RUNNING ELECTRIC LOG				
WAITING ON CEMENT					WAITING ON CEMENT					WAITING ON CEMENT					WAITING ON CEMENT					WAITING ON CEMENT					WAITING ON CEMENT				
OILING, GREASING					OILING, GREASING					OILING, GREASING					OILING, GREASING					OILING, GREASING					OILING, GREASING				
SHUT DOWN REPAIRS					SHUT DOWN REPAIRS					SHUT DOWN REPAIRS					SHUT DOWN REPAIRS					SHUT DOWN REPAIRS					SHUT DOWN REPAIRS				
Remarks:					Remarks:					Remarks:					Remarks:					Remarks:					Remarks:				
TRIP TIME					TRIP TIME					TRIP TIME					TRIP TIME					TRIP TIME					TRIP TIME				
TOTAL HOURS					TOTAL HOURS					TOTAL HOURS					TOTAL HOURS					TOTAL HOURS					TOTAL HOURS				
12:00 - 4:20 - DRLG 13 3/4 HAS					8:00 - 9:00 - 12 1/2 HAS					9:00 - 10:00 - 12 1/2 HAS					10:00 - 11:00 - 12 1/2 HAS					11:00 - 12:00 - 12 1/2 HAS					12:00 - 1:00 - 12 1/2 HAS				
4:00 - 4:45 - PICK UP					9:00 - 10:00 - 12 1/2 HAS					10:00 - 11:00 - 12 1/2 HAS					11:00 - 12:00 - 12 1/2 HAS					12:00 - 1:00 - 12 1/2 HAS					1:00 - 2:00 - 12 1/2 HAS				
DRLG COLLAR + TIGHTEN					10:00 - 11:00 - 12 1/2 HAS					11:00 - 12:00 - 12 1/2 HAS					12:00 - 1:00 - 12 1/2 HAS					1:00 - 2:00 - 12 1/2 HAS					2:00 - 3:00 - 12 1/2 HAS				
UP CONNECTIONS ON KELLY					11:00 - 12:00 - 12 1/2 HAS					12:00 - 1:00 - 12 1/2 HAS					1:00 - 2:00 - 12 1/2 HAS					2:00 - 3:00 - 12 1/2 HAS					3:00 - 4:00 - 12 1/2 HAS				
(CLEAN LOCKED CODES) HOSE					12:00 - 1:00 - 12 1/2 HAS					1:00 - 2:00 - 12 1/2 HAS					2:00 - 3:00 - 12 1/2 HAS					3:00 - 4:00 - 12 1/2 HAS					4:00 - 5:00 - 12 1/2 HAS				
4:45 - 5:00 - WORK ON PUMP					1:00 - 2:00 - 12 1/2 HAS					2:00 - 3:00 - 12 1/2 HAS					3:00 - 4:00 - 12 1/2 HAS					4:00 - 5:00 - 12 1/2 HAS					5:00 - 6:00 - 12 1/2 HAS				
5:00 - 8:00 - DRLG 1					2:00 - 3:00 - 12 1/2 HAS					3:00 - 4:00 - 12 1/2 HAS					4:00 - 5:00 - 12 1/2 HAS					5:00 - 6:00 - 12 1/2 HAS					6:00 - 7:00 - 12 1/2 HAS				



Name and No. of Well

Field

THINIA LAKE

HUSKY OIL & REFINING LTD. DRILLING RIG TOUR REPORT TOUR No. TWO

Date

Name and No. of Rig

TOUR No. THREE

TOUR No. ONE										TOUR No. TWO										TOUR No. THREE									
DRILL PIPE					CASING DEPTH					DRILL PIPE					CASING DEPTH					DRILL PIPE					CASING DEPTH				
Drill Collar Stand and Bit Reamers, Core Barrel, etc.					Size O.D.					Drill Collar Stand and Bit Reamers, Core Barrel, etc.					Size O.D.					Drill Collar Stand and Bit Reamers, Core Barrel, etc.					Size O.D.				
STANDS					Depth of Shoe					STANDS					Depth of Shoe					STANDS					Depth of Shoe				
DEPTH OF HOLE										DEPTH OF HOLE										DEPTH OF HOLE									
Singles					Depth at Beginning of Tour					Singles					Depth at Beginning of Tour					Singles					Depth at Beginning of Tour				
Footage Cored					Footage Drilled					Footage Cored					Footage Drilled					Footage Cored					Footage Drilled				
Kelly Down					Footage Drilled					Kelly Down					Footage Drilled					Kelly Down					Footage Drilled				
Total Pipe for Bottom					Depth at End of Tour					Total Pipe for Bottom					Depth at End of Tour					Total Pipe for Bottom					Depth at End of Tour				
Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud	Time	Depth	Formation During Last Hour (Include Oil and Gas Shows)	Wt. Indic. Reading	Mud Weight	Mud Viscosity	Pump Pressure	Changes of Mud						
1 hr.								1 hr.								1 hr.													
2 hr.								2 hr.								2 hr.													
3 hr.								3 hr.								3 hr.													
4 hr.								4 hr.								4 hr.													
5 hr.								5 hr.								5 hr.													
6 hr.								6 hr.								6 hr.													
7 hr.								7 hr.								7 hr.													
8 hr.								8 hr.								8 hr.													

BITS USED					CORES TAKEN					BITS USED					CORES TAKEN								
Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery	Size	Type	Serial No.	Footage This Tour	Total Footage	To	From	Recovery
																1 3/8	OSG	18250	15	15			

CREW					TIME ANALYSIS					CREW					TIME ANALYSIS				
Deviation	Survey taken at	Degrees off	Direction	Deviation	Survey taken at	Degrees off	Direction	Deviation	Survey taken at	Degrees off	Direction	Deviation	Survey taken at	Degrees off	Direction				
Derrickman	E. T. KEATS	8	DRILLING	Derrickman	D. CLAMANCE	4	DRILLING	Derrickman	J. REID	3 1/2	DRILLING								
Cathead			CORING	Cathead			CORING	Cathead			CORING								
Fireman	T. G. GARDNER		REAMING	Fireman	A. MARTIN		REAMING	Fireman	A. REID		REAMING								
Floorman	LEONARD HOK MAIR		CONDITIONING MUD	Floorman	E. SIMPSON		CONDITIONING MUD	Floorman	R. P. LARSEN		CONDITIONING MUD								
Floorman	SAM BOLLIVET		CIRCULATING	Floorman	J. SHANAHAN		CIRCULATING	Floorman	D. MARRAS		CIRCULATING								
Driller	I. LAMBERT		FISHING	Driller	B. WILSON		FISHING	Driller	H. B. ZELL		FISHING								
Tool Pusher	G. M. LITTON		RUNNING DEVIATION	Tool Pusher	G. M. LITTON		RUNNING DEVIATION	Tool Pusher	G. M. LITTON		RUNNING DEVIATION								
			RUNNING ELECTRIC LOG				RUNNING ELECTRIC LOG				RUNNING ELECTRIC LOG								
			WAITING ON CEMENT				WAITING ON CEMENT				WAITING ON CEMENT								
			OILING, GREASING				OILING, GREASING				OILING, GREASING								
			SHUT DOWN REPAIRS				SHUT DOWN REPAIRS				SHUT DOWN REPAIRS								
Gallons Fuel Used				Gallons Fuel Used				Gallons Fuel Used											
Remarks:				Remarks:				Remarks:											
TRIP TIME				TRIP TIME				TRIP TIME											
TOTAL HOURS				TOTAL HOURS				TOTAL HOURS											

TIME ANALYSIS		TIME ANALYSIS		TIME ANALYSIS	
Start	End	Start	End	Start	End
8:00	10:00	10:00	2:00	2:30	8:00
10:00	1:00	2:00	4:00	8:00	12:00
1:00	2:00	4:00	8:00	12:00	

10:00 - 10:00 DUBO Rat Hole.
10:00 - 2:00 MIX SAND
2:00 - 4:00 DUBO Rat Hole

8:30 - 8:00 IN
8:30 - 12:00 DRILLING

