

BRIGGS - TURKEY LAKE

NO. 1 - I-48

Drilling Authority No.
Date Issued

WELL NAME *Trinity Quarry Lake No. 1*

FIELD *Trinity*

Area: *Trinity Lake*

LOCATION: Unit *1*

Section *42*

Grid *42-1*

Latitude *39° 15' 00" N.*

Longitude *120° 15' 00" W.*

From Established Reference Marker

Rig Release Date: *10-3-58*

Status *Drill*

Information Release Date *10-3-58*

CHANGE OF NAME:

DATE RECEIVED	INDEX
	Application for a Drilling Authority. Well Completion Data. Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well. Well History Supplement. Well Completion Data. Work-over Report No.
	Application to Commingle Production before Measurement.
	Approval to Commingle Production before Measurement.
	Application to Amend Approval No <i> </i> to Commingle Production before Measurement.
	Application for M.P.R.—Oil.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Field Abandonment Programme and Approval.
	Well Card.
	Well Visit.
	Daily Drilling Reports.

#48

REPORT OF MONTHLY OPERATIONS ON NATIONAL OIL WELL
NUMBER 1, TURKEY LAKE NO. 1

~~XXXXXXXXXX~~

W.D. 0-1

(List operations which do not apply.)

Operations in this report in accordance with Section 30 of
the National Oil and Gas Administration Act, 1938, as amended,
and the regulations thereunder.

Name of well . . . Briggs Turkey Lake No. 1 . . . Permit No. . . 893 . . .
Operator . . . D. Todd Briggs . . . Drilling Company . . . Husky . . .
Location (Survey description) . . . 61° 7.5' N. Lat., 120° 22.5' W. Long. . . .
Elevation ground . . . 930 . . . Well bushing . . . 940.5 . . . Depth . . . 3,142' . . .
Spudded . . . Mar. 14, 1958 . . . Will be drilling . . . Mar. 26 . . . Rig released . . . Mar. 26 . . .
Deviation from vertical . . . 1/2° - 3/4° from 110° to 2,830' . . .

LOGGING

Time	Size O.C.	Weight lb./foot	Grade	Set at feet	Sticks weight
Mar. 16	10 3/4"	32.75	J55	255.51	150
1.					
2.					
3.					

CURING

N11

Status of well on completion of drilling . . . Abandoned . . .
Pro. . . none . . . N11 . . .
Cored intervals . . . N11 . . .
Interval logged: E-log . . . 255' - 3,137' . . . ~~XXXXXX~~ 2,800 - 3,135' . . .
R-log . . . 15' - 3,138' . . . Other . . .

DRILLING TESTS

Test No.	Date	Interval tested	Duration	Results
1	Mar. 24/58	3,062' - 3,112'	63 min.	Rec. 408' salt water

(Over)

C A N A D A

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

NORTHERN ADMINISTRATION AND LANDS BRANCH

NOTICE OF INTENTION TO BEGIN DRILLING OPERATIONS

(To be submitted in triplicate to the Conservation Engineer at Edmonton, Alberta at least 15 days prior to the commencement of drilling).

In accordance with Section 59 of the Territorial Oil and Gas Regulations, notice is hereby given of our intention to begin drilling a well on Oil and Gas Permit No. 893. . . . registered in the name of

Lease No.

. B. Todd Briggs

TYPE OF WELL:

Stratigraphic test: .x. Wildcat:
Structure Test: Development:
Anticipated number of holes (Required for Structure Test Only)
Expected total depth: -3,000- feet.

The well will be located:

app. 3 1/2 mi. (~~North of boundary~~) of (Permit No. 893.)
(S of N boundary) (Lease No.) at approx. 61° 7.5' N Lat.
app. 4 mi. (W of E boundary) of (Permit No. 893.)
(~~North of boundary~~) (Lease No.) at approx. 120° 22.5' W Long.

Survey description of location not available.
.

Approximate surface elevation of 935 (est.) feet above sea level.

Name of well: , . . Briggs Turkey Lake No. 1.

Type of drilling rig: . . Rotary.

Expected date of commencement: . . March 11, 1958

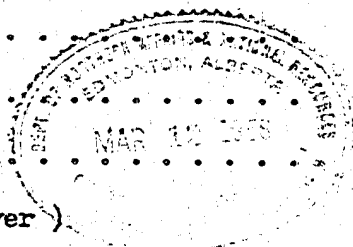
We propose to use the following strings of casing, cementing them as indicated below:

Size O.D. inches	Weight lbs/feet	Grade	Brand	New or used	Estimated depth	Sacks of cement
1-10 3/4"	32.75	J55		New	250'	125'
2.						
3.						

Expected depth of water, gas and oil horizons and method of control:

. Possible porous zones in Devonian to be controlled by
. drilling fluid and 5 1/2 inch production casing, if warranted
.
.
.

(Over)



An electric log (will) be run.
~~xxxxxxx~~

The well will be drilled by Husky Oil & Refining Ltd. (name of company)

CONTRACTOR:

Responsible agents of permittee or lessee in charge of operation:

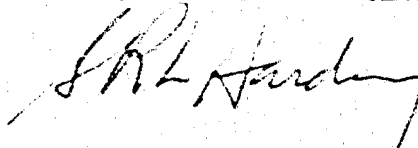
At well C. K. Williams, At registered office: J. C. Sproule
Box 98, May River, N. W. T.

Postal address: Postal address: 901 - 8th Avenue West, Calgary, Alta.

It is understood that if changes in this Notice of Intention become necessary we will promptly notify you.

Dated at Calgary, Alberta this 7th day of March 1958

J. C. SPROULE & ASSOCIATES



this program is approved subject to the following provisions (if any):

.....
..... Oral approval given 6th March, 1958.
.....

21st March 1958.
Date

B. H. Shum
.....
Conservation Engineer.

POOR COPY

British Turkey Lake No. 1 well

Location: Lat. 61° 7' 30" N, long. 120° 42' 30" W.

Elevation: 940 feet (K.B.) Total Depth: 3144 feet

Date Drilled: 1956

Summary of log by Helen A. Belyea of samples stored at Geological Survey of Canada, Calgary, Alberta

Depth (feet)	Formation
<u>Tatcho Formation</u>	
40 - 50	Limestone, cream, buff, fine-grained, finely silty, micaceous; brown shale laminae
50 - 60	Missing
60 - 160	Limestone, grey-buff, silty, slightly dolomitic; grey and brown shale laminae; scattered brachiopods, crinoids, bryozoa, ostracodes
<u>Troll River Formation</u>	
160 - 170	Siltstone, light grey, calcareous, grading to silty limestone; scattered dark grey coated pebbles and crinoid fragments; brown, irregular shale partings
170 - 200	Siltstone, light grey, calcareous, grading to silty grey limestone, fine-grained; shale, grey to brownish grey, probably irregular partings
200 - 220	Siltstone, light grey, calcareous; mica flakes, grey and greenish grey shale laminae; scattered brachiopods
220 - 290	Siltstone, grey, greenish grey, argillaceous, micaceous brownish grey to coring, non-argillaceous below 270' and greenish grey shale laminae
290 - 300	Sandstone, light grey, quartz and scattered dark grains, fine-grained, porous; oolitic limestone, oolites dark grey-stained in fine-grained matrix; dark non-oolitic fragments; pyritic
300 - 310	Sandstone and oolitic limestone as above; pyritic; shale, dark brown, silty; calcite inclusions, probably of organic origin; carbonaceous fragments
307	<u>Grumbler Group</u>
<u>Kakisa Formation</u>	
Upper Member	
310 - 330	Limestone, buff, fine-grained matrix; abundant stromatoporoid and coral fragments
Middle and Lower Members	
330 - 380	Limestone, as above; siltstone, light grey, calcareous shale, greenish grey; crinoids, brachiopods, stromatoporoids; white chert at 340-350

Turkey Lake Loc. 1

380 - 490 siltstone, limestone and shale interbedded; siltstone, light grey to greenish grey, argillaceous; limestone, light grey, largely composed of fossil fragments, brachiopods, bryozoa, spicules, crinoids; greenish grey shale partings

492

Hedkne Formation

Upper Member

490 - 540 Shale, grey-green, fissile, micaceous; siltstone and limestone, as above

540 - 730 Shale, grey, grey-green and maroon; small flattened organisms common in maroon shales; a few siltstone layers

730 - 740 Limestone, buff, fine-grained matrix containing brachiopods, ostracodes; pyritic, argillaceous, slightly silty; wavy brown shale laminae

740 - 750 Shale, grey

Jean Marie Member

750 - 780 Limestone, buff to light yellow-brown, fine-grained, slightly dolomitic, silty; brachiopods, crinoids, ostracods, coral? brown shale laminae

Fort Simpson Formation

780 - 1450 Shale, grey, grey-green, reddish grey, fissile; flattened organisms; scattered siltstone laminae

1450 - 1500 Siltstone, light grey, light greenish grey, calcareous quartz, scattered pink and green grains; shale, grey-green, fissile, probably interlaminated with siltstone

1500 - 1630 Shale, grey-green and reddish grey, same as above; minor amounts of siltstone, same as above

1630 - 1800 Shale, same as above

1800 - 1850 Siltstone, grey-green, calcareous; shale, grey-green, fissile

1850 - 1950 Siltstone, as above; shale, dark brown and grey-green; dark brown shale with brown streak; silty at 1890-1900

1950 - 2140 Shale, greenish grey, grey;

2140 - 2200 Shale, as above, some green non-calcareous "waxy-textured" shale

2200 - 2720 Shale, greenish grey, grey and a little reddish grey, fissile

Spence River Formation

2720 - 2800 Shale, dark brownish grey, with brown streak, non-calcareous; some brown siltstone

2800 - 2810 Shale, light greenish grey, slightly calcareous

2810 - 2900 Shale, black-brown with dark brown streak, slightly greasy; pyrite abundant

Tertiary L.V. No. 2

- 2900 - 2940 Shale, as above: limestone, buff, fine-grained, argillaceous
- 2940 - 2960 Shale, black with brown streak; brittle abundant
- 2960 Middle Devonian limestone
- 2960 - 2980 Limestone, buff, to light brown, fine-grained
- 2980 - 3060 Limestone, brown, granitic, conchoidal fracture, brittle; scattered brachiopods, p. 1120 at 3020-3060
- 3060 - 3090 Dolomite, light yellow brown, finely crystalline; in part buff and brown mottled; dark brown shale; anhydrite between dolomite crystals
- 3090 - 3142 Sandstone, white, quartzose, fine to coarse-grained, poorly sorted; large grains frosted, possibly conglomeration at 3100-3110
- T.D. 3142'

JOHNSTON TESTERS LTD.

321 - 50th Avenue S.E.



Calgary, Alberta

Presquile

Phone CH 3-3461

TYPE OF TEST _____ Formation _____		PRESSURE READINGS Inside		
INTERVAL TESTED _____	3062' - 3112'	REC. NO. T-131	CAP. 7000'	DEPTH _____
MAIN HOLE SIZE 9"	RAT HOLE _____	INITIAL HYD. _____	1647 #	POINTS A
PIPE SIZE 1 1/2" F.H.	MUD WT. 9.8	INITIAL SHUT-IN _____	—	F
FLUID CUSHION _____	—	INITIAL FLOW _____	65 #	B
FLOW PERIOD _____	63 mins.	FINAL FLOW _____	225 #	C
INITIAL SHUT-IN PER _____	—	FINAL SHUT-IN _____	1355 #	D
FINAL SHUT-IN PER _____	30 mins.	FINAL HYD. _____	1667 #	E
BLOW _____	Faint air blow	PRESSURE READINGS Inside		
_____	throughout test.	REC. NO. 893	CAP. 3000'	DEPTH _____
FLUID RECOVERY _____	408' Salt Water	INITIAL HYD. _____	1650 #	POINTS A
_____	_____	INITIAL SHUT-IN _____	—	F
TEMP. _____	96° M.C.F. _____	INITIAL FLOW _____	75 #	B
SUR. CHOKE 1/2"	BOT. CHOKE 1"	FINAL FLOW _____	215 #	C
TICKET NO. _____	A-5554	FINAL SHUT-IN _____	1340 #	D
		FINAL HYD. _____	1650 #	E

REMARKS

Ran in with tools to run bottom hole test. Open tool getting faint air blow throughout test. Shut tool in and pulled out.

Test Satisfactory.

GEOLOGICAL REPORT
BRIGGS TURKEY LAKE NO. 1
NORTHWEST TERRITORIES

J. C. SPROULE & ASSOCIATES
GEOLOGICAL & EXPLORATION CONSULTANTS

901 EIGHTH AVENUE WEST
CALGARY — ALBERTA

TELEPHONES
AMHERST 2-4128
AMHERST 2-4374

TABLE OF CONTENTS

	<u>Page</u>
SUMMARY OF PERTINENT WELL DATA	1
GEOLOGICAL MARKERS	3
DAILY CHRONOLOGICAL WELL REPORT	4
BIT RECORD	6
MUD RECORD	7
TIME DRILLING RECORD	8
SAMPLE DESCRIPTION	9
WATER ANALYSIS REPORT	17
DRILL STEM TEST REPORT	18
GEOLOGICAL AND ENGINEERING SUMMARY	19
LOGS - Electrical Log, Microlaterolog Gamma Ray-Neutron Log, Graphic Well Log	In Pocket

SUMMARY OF PERTINENT WELL DATA

Well Name: Briggs Turkey Lake No. 1

Location: 61° 7' 30" N. Latitude (Approximately)
120° 22' 30" W. Longitude (Approximately)

Elevation: Ground 930'
K. B. 940.5'

Total Depth: Driller 3142'
Schlumberger 3138'

Operator: J.B. White and A.M. Lloyd

Technical Supervision: J.C. Sproule & Associates
Norman Soul, Geologist

Drilling Contractor: Husky Oil and Refining Ltd.

Spudded: March 14, 1958

Completed: March 26, 1958

Status: Dry and abandoned

Drilling Data: Hole Size - 13 3/4" to 265'
9" from 265' to 3142'

Deviation Surveys

110'	3/4°	1200'	1/2°
210'	3/4°	1900'	1/4°
760'	3/4°	2830'	3/4°

Casing: Surface Casing - 7 joints of 10 3/4" x 32.75# J55
New Youngstown casing. Total length
245.01' including Baker Guide Shoe
and Baker Float Collar. Shoe at
255.51'. Cemented with 150 sx.
No additives. Plug displaced to
collar at 6:12 p.m., March 16, 1958.

Summary of Drill Stem Tests:

D.S.T. No. 1 - March 24, 1958 3062' - 3112'
V.O. 63 min. S.I. 30 min.
Rec. 408' salt water.

Logs:

Schlumberger Electrical Log	255' - 3137'
Schlumberger Microlaterolog	2800' - 3135'
Schlumberger Gamma Ray-Neutron Log	15' - 3138'
Graphic Well Log	0' - 3142'

Abandonment Plugs:

Plug No. 1	3142' - 2942'	80 sx.
Plug No. 2	305' - 205'	60 sx.

CORES : NONE TAKEN — ALL

GEOLOGICAL MARKERSWell Name: Briggs Turkey Lake No. 1Location: 61° 7' 30" N. Latitude (Approximately)
120° 22' 30" W. Longitude (Approximately)

<u>Formation or Marker</u>	<u>Depth</u> Feet	<u>Elevation</u> Feet
Pleistocene and Recent	Surface	+ 930
Upper Devonian		
Wabamun Group	42	+ 899
Trout River Formation	170	+ 771
Grumbler Formation	295	+ 646
Shale Unit	490	+ 451
Limestone Marker	750	+ 191
Middle Devonian		
Muskeg-Keg River Formation	2969	-2028
Cambrian ?		
Granite Wash	3100	-2159
Total Depth	3142	-2201

DAILY CHRONOLOGICAL WELL REPORTWell Name: Briggs Turkey Lake No. 1Location: 61° 7' 30" N. Latitude (Approximately)
120° 22' 30" W. Longitude (Approximately)

(Operation ending 12 midnight)

<u>Date</u>	<u>Total Depth Feet</u>	<u>Progress Feet</u>	<u>Days</u>	<u>Remarks</u>
Mar. 14	90	80	1	Drilling rathole 7 hrs. Spudded 6:00 p.m., March 14, 1958. Drilling 13 3/4" hole with No. 1 bit, 6 hrs.
Mar. 15	220	130	2	Drilling with No. 1 bit 1/2 hr. Drilling with No. 2 bit 14 1/2 hrs. Drilling with No. 3 bit 3/4 hr. Running deviation survey 1/4 hr. Trip to change bit 1/2 hr. Spool sandline 1 hr. Working on pump 1 1/2 hrs. Conditioning mud 5 hrs.
Mar. 16	420	200	3	Drilling 13 3/4" hole with No. 3 bit 4 1/2 hrs. Drilling 9" hole with No. 4 bit 7 1/2 hrs. Circulating to clean hole 1 1/2 hrs. Circulating for cementing 1/2 hr. Trips 1 1/4 hrs. Rigging up and running casing 2 1/4 hrs. (7 joints, float & shoe 245.01', 32.75#, 10 3/4", J55, 8 thread) Cemented casing with 150 sx. at K.B. 255.51'. Slurry weight 14.5# 1/2 hr. Servicing rig 1/4 hr. Waiting on cement 6 hrs.
Mar. 17	420	0	4	Standing cemented, installing B.O.P., shale shaker etc. 24 hours.
Mar. 18	1112	692	5	Drilling 12 1/4 hrs. Conditioning mud 6 hrs. Repairs 3 1/2 hrs. Trip time 1 1/2 hrs. Running deviation survey 1/2 hr. Servicing 1/4 hr.
Mar. 19	1912	800	6	Drilling 15 1/2 hrs. Repairs 5 3/4 hrs. Trip time 2 hrs. Running deviation survey 1/4 hr. Servicing 1/2 hr.
Mar. 20	2180	268	7	Drilling 7 hrs. Repairs 10 1/2 hrs. Trip time 4 3/4 hrs. Circulating and conditioning mud 1 1/4 hrs. Running deviation survey 1/4 hr. Servicing 1/4 hr.

<u>Date</u>	<u>Total Depth Feet</u>	<u>Progress Feet</u>	<u>Days</u>	<u>Remarks</u>
Mar. 21	2865	685	8	Drilling 15 3/4 hrs. Conditioning mud 5 1/2 hrs. Trip time 1 1/2 hrs. Circulating 1/2 hr. Running deviation survey 1/4 hr. Servicing 1/2 hr.
Mar. 22	3008	143	9	Drilling 8 1/4 hrs. Repairs 13 3/4 hrs. Circulating 1/2 hr. Trip time 1 hr. Servicing 1/2 hr.
Mar. 23	3106	98	10	Drilling 13 hrs. Trip time 7 hrs. Repairs 2 1/4 hrs. Circulating 1 hr. Servicing 3/4 hr.
Mar. 24	3131	25	11	Drilling 10 1/2 hrs. Testing 7 1/2 hrs. Trip time 2 3/4 hrs. Circulating 1 1/2 hrs. Repairs 1 1/4 hrs. Servicing 1/2 hr.
Mar. 25	3142	11	12	Drilling 5 3/4 hrs. Running Schlumberger Electrical Log, Microlaterolog and Gamma Ray-Neutron Log 10 hrs. Trip time 4 hrs. Servicing 1/2 hr. Repairs 1/4 hr. Waiting on cement truck 3 1/2 hrs.
Mar. 26	3142	0	13	Waiting on cement truck 9 hrs. Running Plug No. 1 2 1/2 hrs. Laying down drill pipe 4 1/2 hrs. Running Plug No. 2 1 hr. Laying down drill pipe and rigging down to stack rig 7 hrs.

BIT RECORDWell Name: Briggs Turkey Lake No. 1Location: 61° 7' 30" N. Latitude (Approximately)
120° 22' 30" W. Longitude (Approximately)

<u>Bit No.</u>	<u>Size</u>	<u>Type</u>	<u>Make</u>	<u>Serial No.</u>	<u>Depth</u>		<u>Footage</u>	<u>Hours</u>
					<u>From</u>	<u>To</u>		
					<u>Feet</u>	<u>Feet</u>		
1	13 3/4"	OSC	Hughes	20562 R.R.	Surface	95	85	6 1/2
2	13 3/4"	OSC	Hughes	19415 R.R.	95	180	85	14 1/4
3	13 3/4"	OSC	Hughes	17111 R.R.	180	265	85	4 3/4
4	9"	OSC	Hughes	973	265	420	155	7 1/2
5	9"	OSC	Hughes	963	420	784	364	8
6	9"	S4	Security	282262	784	1531	747	12 1/4
7	9"	OSC1G	Hughes	48331	1531	2066	535	11
8	9"	YTL	Reed	Y87365	2066	2865	799	19 1/4
9	9"	OSC	Hughes	90270	2865	3043	178	13 1/2
10	9"	OWV	Hughes	46866	3043	3103	60	6
11	9"	W7R	Hughes	45300	3103	3112	9	3 3/4
12	9"	W7R	Hughes	44823	3112	3135	23	10 1/2
13	9"	OW	Hughes	47396	3135	3142	7	3 3/4

RECORDWell Name: Briggs Turkey Lake No.Location: 61° 7' 30" N. Latitude (Approximately)
120° 22' 30" W. Longitude (Approximately)

<u>Date</u>	<u>Avg.</u> <u>Weight</u> <u>16/US gal.</u>	<u>Avg.</u> <u>Viscosity</u> <u>Seconds</u>	<u>Avg.</u> <u>Water Loss</u> <u>c.c.</u>	<u>Additives</u>
Mar. 13	-	-	-	10000# Aquagel
Mar. 14	-	71	-	5300# Aquagel
Mar. 15	-	76	9.8	4500# Aquagel
Mar. 16	-	79	8.0	150# Driscose
Mar. 17	9.0	75	7.2	800# Gel 1000# Sodium Bicarbonate
Mar. 18	8.6	80	4.2	300# Sodium Bicarbonate 2545 gal. Diesel Oil 450# Driscose 75# Caustic Soda 150# Quebracho
Mar. 19	9.3	95	4.3	-
Mar. 20	10.0	120	4.4	50# Driscose
21	9.9	104	4.6	2200# Gel
22	9.4	110	4.0	1300# Gel 1000 gal. Diesel Oil 400# Driscose 200# Antigyp
Mar. 23	9.7	90	4.2	100# Driscose 90 gal. Diesel Oil
Mar. 24	9.8	95	3.6	700# Gel, 90 gal. Diesel Oil 100# Carboxyl 400# Antigyp
Mar. 25	9.9	100	4.4	200# Antigyp
Mar. 26	9.9	100	4.4	-

TIME DRILLING RECORDWell Name: Briggs Turkey Lake No. 1Location: 61° 7' 30" N. Latitude (Approximately)
120° 22' 30" W. Longitude (Approximately)

<u>Depth Feet</u>	<u>Time in Minutes</u>	<u>Depth Feet</u>	<u>Time in Minutes</u>
	<u>Ten Ft. Drilling Time</u>		
2800 - 2900	6, 12, 11, 7, 9, 18, 16, 11, 10, 10,	3050 - 3060	5, 5, 5, 5, 5, 4, 6, 4, 5, 5,
2900 - 2960	11, 12, 17, 17, 22, 12,	3060 - 3070	5, 4, 5, 7, 4, 6, 3, 3, 4, 7,
	<u>One Ft. Drilling Time</u>		
2960 - 2970	2, 2, 2, 2, 2, 2, 1, 2, 1, 4,	3070 - 3080	5, 3, 5, 4, 3, 3, 4, 3, 4, 3,
2970 - 2980	5, 5, 8, 6, 6, 9, 8, 7, 7, 9,	3080 - 3090	3, 3, 3, 3, 3, 3, 3, 3, 3, 4,
2980 - 2990	8, 8, 8, 8, 8, 6, 7, 7, 7, 8,	3090 - 3100	5, 4, 5, 3, 4, 5, 7, 6, 8, 8,
2990 - 3000	7, 7, 7, 8, 7, 9, 8, 7, 8, 7,	3100 - 3110	14, 21, 54, 24, 20, 24, 25, 16, 24, 25,
3000 - 3010	7, 9, 10, 10, 13, 13, 8, 9, 11, 10,	3110 - 3120	30, 30, 13, 12, 15, 23, 18, 25, 25, 45,
3010 - 3020	11, 11, 10, 10, 12, 7, 7, 8, 10, 10,	3120 - 3130	25, 23, 29, 33, 30, 25, 25, 12, 41, 39,
3020 - 3030	10, 11, 9, 8, 10, 10, 8, 10, 10, 10,	3130 - 3140	50, 38, 32, 40, 37, 27, 38, 40, 30, 25,
3030 - 3040	11, 10, 10, 10, 8, 8, 8, 9, 10, 11,	3140 - 3142	33, 27
3040 - 3050	6, 10, 9, 4, 4, 4, 4, 4, 4, 6,		

SAMPLE DESCRIPTION

Well Name: Briggs Turkey Lake No. 1

Location: 61° 7' 30" N. Latitude (Approximately)
120° 22' 30" W. Longitude (Approximately)

Elevation: 940.5' Kelly Bushing

Logged by: E.J. Tassonyi - Surface - 420'
N. Scul - 420' - Total Depth

Depth
Feet

Description

Surface

- 42

Glacial drift - admixture of conglomeratic igneous and limestone pebbles; granules of different limestone, siltstone. Abundant white, fine- to coarse-grained loose quartz sand embedded in a brown, clayey matrix. Few fragments of green and black, bituminous shale.

UPPER DEVONIANWabamun Group

42'

42 - 50

Limestone - buff and dark cream, very slightly argillaceous, dense and cryptocrystalline. Some dark cream cryptocrystalline to micro-granular, very slightly silty limestone. Brachiopods common. Traces of ostracods.

50 - 70

Limestone - dark cream to buff, microfragmental to dense, generally very silty with some cream dense and very finely crystalline limestone. Rare calcitic vugs; tar coating along parting planes, in vugs and in fine fractures common. Few large ostracods. Toward base the silt content increases; at the base some greenish-grey very silty limestone, grading into similar, very calcareous siltstone.

70 - 90

Limestone - buff and dark cream, becoming grey, slightly argillaceous, increasingly silty with some light grey, very calcareous, slightly argillaceous siltstone, in part slightly micaceous; traces of greyish-green, slightly calcareous shale. (Probably very variable, interbedded lithology).

90 - 110

Limestone - dark cream, greyish-cream, and buff, cryptocrystalline to microfragmental, generally slightly argillaceous, very silty with traces of very fine mica flakes. Traces of fossil fragments (brachiopods and crinoids).

110 - 140

Limestone - dark cream, dense to cryptocrystalline, slightly silty and limestone - dark cream to greyish-cream, dense to microfragmental, very silty. At 110' - 120' partings of light grey, very silty limestone and calcareous shale. From 130' on the limestone becomes more argillaceous, very silty, locally with 50% clastic residue, and partly grades into light greyish-cream, very calcareous siltstone. Traces of pyrite at 130' - 140'.

Depth
Feet

Description

140 - 180

Limestone - greyish-cream, dark cream and buff, cryptocrystalline to microfragmental, very silty with increasing light grey, very calcareous, argillaceous siltstone. Darker greyish-brown argillaceous partings at the top and some greyish-green, very calcareous, very hard, silty shale from 150' on. Some buff, fossiliferous-fragmental limestone at 170'.

UPPER DEVONIAN

Trout River Formation

170' Gamma Ray-Neutron
Log

180 - 200

Limestone - as above, toward base some buff, and dark cream, recrystallized, fossiliferous-fragmental limestone with a very variable silt content. Increasing amount of light grey and greyish-cream very silty limestone and similar siltstone; toward the base it becomes dominant with some light grey, very calcareous, very silty shale. (Gradational facies).

200 - 230

Siltstone - dark cream at the top; from 220' on becoming creamish grey and pale grey, very calcareous, with increasing grain size toward the base; has salt and peppery appearance and approaches a very fine sand size. Close to base there is some gradation into greyish-green, very calcareous silty shale. Some dark cream to buff, cryptocrystalline to microfragmental, very argillaceous, very silty limestone throughout. Traces of pyrite and fine glauconitic specks.

230 - 250

Siltstone and sandstone - Siltstone; pale grey, and creamish grey, in part with greenish tinge, very calcareous, poorly micaceous, with a trace of glauconitic specks. Some similar very fine-grained, very calcareous sandstone throughout, increases toward the base.

250 - 270

Sandstone and siltstone - Sandstone: dark cream, and greyish-cream, quartzose in part with greenish tinge, somewhat salt and peppery, very calcareous, very fine-grained, and some fine-grained with traces of fine mica and glauconitic specks and similar siltstone gradation. Some poor porosity and permeability at 260' - 270'.

270 - 290

Sandstone - pale grey and light grey, quartzose, very calcareous, generally very fine-grained, grading into siltstone and interbedded with some greenish-grey calcareous siltstone. Traces of pyrite and pyritic nodules throughout.

290 - 300

Sandstone - white, quartzose, somewhat salt and peppery, calcareous, fine-grained, intergranular, poorly sorted, tight, with a trace of pyritic nodules. Oolitic limestone: slightly argillaceous, greenish-grey oolites, in part slightly leached

Depth
Feet

Description

(up to 2mm), embedded in a creamy limestone matrix. Some greenish grey and dark brown calcareous shale at the base.

UPPER DEVONIAN

Grumbler Formation

295' Gamma Ray-Neutron Log

- | | |
|-----------|---|
| 300 - 310 | Shale - dark greyish-brown, very calcareous, in part silty, in part slightly bituminous with bituminous flakes, grading into marly limestone. |
| 310 - 330 | Limestone - tan, buff and cream, becoming dark tan, dense to cryptocrystalline and fossiliferous-fragmental, in part very finely crystalline, recrystallized, slightly argillaceous, calcite vug infilling common with bituminous stylolites and trace of tar residue in isolated vugs. Trace of pyrite and black, calcareous, bituminous shale at the top. |
| 330 - 360 | Limestone - pale creamish-grey, and pale grey, dense to fragmental, slightly argillaceous, slightly silty with some dark tan and buff, dense to fossiliferous-fragmental limestone at the base. From 340' on light greyish-green and greenish-grey, calcareous, very argillaceous siltstone; grading into very fine-grained sandstone at the base, traces of grey, very silty, very calcareous shale at 350'. |
| 360 - 370 | Limestone - dark tan to buff, dense to fossiliferous-fragmental, in part recrystallized, interbedded with greenish-grey, very calcareous, argillaceous siltstone (contact observed). |
| 370 - 380 | Siltstone - light greenish-grey, very calcareous, argillaceous, interbedded (contacts seen in samples) with tan, dense to recrystallized, fossiliferous limestone bands. Trace of green, calcareous shale at 370'. |
| 380 - 400 | Limestone - light greyish-cream to grey, becoming light, pale grey, slightly argillaceous and in part silty, dense to cryptocrystalline with fossil fragments. Some light tan, coarsely crystalline, fossiliferous, recrystallized limestone at the base. Some light grey, very calcareous siltstone throughout. |
| 400 - 420 | Shale - greyish-green, very silty, calcareous, with some greyish green, very calcareous, argillaceous siltstone. Some greyish-cream, dense, argillaceous limestone at the top and light grey, very silty, argillaceous limestone at the base. |

<u>Depth Feet</u>	<u>Description</u>
420 - 530	Limestone - buff to grey, microgranular to microcrystalline and finely crystalline, slightly glauconitic, silty, interbedded with grey and light greenish-grey, calcareous siltstone.
530 - 540	Breccia - consisting of recrystallized calcite and fossil fragments replaced by siderite and limonite; siltstone - greyish white and greenish grey and shale, green, non-calcareous, disintegrates in acid, but does not effervesce.
<u>UPPER DEVONIAN</u>	<u>Shale Unit</u> 490' Gamma Ray-Neutron Log
540 - 550	Shale - green, non-calcareous.
550 - 560	Shale - brown, non-calcareous and green shale, as above.
560 - 570	Shale - green, silty, slightly calcareous.
570 - 640	Shale - green and greenish-grey, non-calcareous, interbedded with thin bands of buff, silty limestone and grey, limy siltstone.
640 - 660	Shale - greenish-grey, non-calcareous.
660 - 670	Siltstone - light greenish-grey, calcareous.
670 - 700	Shale - brown and greenish-grey, non-calcareous, interbedded with buff, silty limestone and grey, limy siltstone. Coquina at 690' - 700' brecciated and pyritic.
700 - 730	Shale - grey and greenish-grey, non-calcareous, to slightly calcareous.
730 - 740	Limestone - buff to light brown, microcrystalline to fossiliferous-fragmental.
740 - 750	Interbedded shale - grey to greenish grey, and limestone, buff, fossiliferous-fragmental to microgranular.
<u>UPPER DEVONIAN</u>	<u>Limestone Marker</u> 750'
750 - 780	Limestone - buff, microgranular to granular, fossiliferous, silty in part and argillaceous in part. Limestone becomes more silty and argillaceous towards the base.
780 - 880	Shale - greenish-grey, interbedded with siltstone, greenish-grey, micaceous, slightly calcareous, grading into sandstone, very fine-grained, hard and tight, micaceous.

<u>Depth Feet</u>	<u>Description</u>
880 - 890	Shale - grey, greenish-grey and brown.
890 - 900	Limestone - light grey and greenish-grey, silty, interbedded with shale, as above, grading into calcareous siltstone.
900 - 940	Shale - brown and greyish-green, non-calcareous.
940 - 970	Shale - brown and greenish-grey, non-calcareous; minor interbedded greyish-green, calcareous siltstone.
970 - 1030	Shale - greyish-green, non-calcareous.
1030 - 1060	Siltstone and very fine-grained sandstone - greyish-green, calcareous, micaceous, slightly pyritic, hard and tight.
1060 - 1030	Sandstone - light grey and greenish-grey, fine-grained, micaceous, calcareous, tight.
1080 - 1100	Shale - greyish-green, non-calcareous, with interbedded sandstone and siltstone, as above.
1100 - 1150	Shale - brown, non-calcareous, and greyish green, interbedded with sandstone and siltstone, as above.
1150 - 1160	Siltstone and very fine-grained sandstone, greenish-grey and greyish-green, micaceous, calcareous.
1160 - 1170	Shale - brown, non-calcareous.
1170 - 1180	Siltstone and very fine-grained sandstone - greyish-green, calcareous, micaceous.
1180 - 1210	As above, with interbedded shale, greyish-green and brown.
1210 - 1220	Shale - brown and greyish-green, minor siltstone.
1220 - 1270	Shale - as above, with thin interbeds of siltstone, greyish-green, calcareous, and limestone, buff, microgranular, fossiliferous.
1270 - 1280	Shale - brown and greyish-green; minor thin bands of calcareous siltstone.
1280 - 1290	Siltstone - greenish-grey, calcareous, micaceous, and shale, as above.
1290 - 1340	Shale - brown, non-calcareous; minor siltstone, greyish-green, calcareous and shale, greyish-green, slightly calcareous.

<u>Depth Feet</u>	<u>Description</u>
1340 - 1370	Shale - green, slightly calcareous, and shale - brown, non-calcareous.
1370 - 1390	Interbedded green shale and greyish-green, calcareous siltstone.
1390 - 1410	Shale - green and brown, calcareous, with minor interbedded greenish-grey, calcareous siltstone.
1410 - 1430	Shale - green, slightly calcareous.
1430 - 1460	Shale, as above, with thin bands of buff, microgranular limestone.
1460 - 1480	Shale, as above, with interbedded greenish-grey siltstone and very fine-grained, grey, calcareous sandstone.
1480 - 1500	Siltstone and very fine-grained sandstone, grey and greenish-grey, calcareous.
1500 - 1510	Shale - greyish-green, non-calcareous, and silty, slightly calcareous.
1510 - 1530	Shale - as above, with minor interbedded greenish-grey, calcareous siltstone, very fine-grained, grey, calcareous sandstone and sandy limestone.
1530 - 1540	Shale - greyish-green, non-calcareous.
1540 - 1580	Interbedded greenish-grey, calcareous siltstone and shale, as above, with thin limestone band at 1570' - 1580'.
1580 - 1590	Shale - greyish-green, slightly calcareous, and silty, green shale, calcareous; minor greenish-grey siltstone.
1590 - 1600	Interbedded light siltstone - greenish-grey, calcareous, fine-grained, light grey sandstone, calcareous, and microgranular, buff, sandy limestone.
1600 - 1610	Siltstone and fine-grained sandstone - grey and greenish-grey, calcareous, grading into sandy limestone.
1610 - 1620	Interbedded greyish-green shale and siltstone.
1620 - 1660	Shale - greenish-grey, slightly calcareous.
1660 - 1670	Shale - greenish-grey, greyish-green, grey and brown, very slightly calcareous.

<u>Depth</u> Feet	<u>Description</u>
1670 - 1690	Shale - brownish-grey and medium to dark grey, very slightly calcareous; minor greenish-grey shale.
1690 - 1700	Shale - brown, non-calcareous.
1700 - 1710	Shale - brown and greenish-grey.
1710 - 1720	Shale - brown, silty, calcareous.
1720 - 1730	Shale, greenish-grey, slightly calcareous.
1730 - 1740	Shale - greenish-grey and brown, calcareous.
1740 - 1750	Siltstone and very fine-grained sandstone, light greenish-grey, calcareous, micaceous in part.
1750 - 1790	Shale - greyish-green and greenish-grey calcareous; minor siltstone, as above, and minor brown shale.
1790 - 1800	Interbedded green shale and calcareous siltstone, grey and greenish-grey, minor thin grey limestone bands.
1800 - 1850	Shale - brown, non-calcareous, silty in part and calcareous; and shale - greyish-green, silty calcareous.
1850 - 1880	Interbedded siltstone - greenish-grey, calcareous, and shale, greyish-green, silty, calcareous. Siltstone grades into sandy grey limestone.
1880 - 1890	Siltstone and silty limestone - argillaceous, dark brown.
1890 - 1960	Interbedded dark brown siltstone and silty limestone, and shale, brown and greenish-grey.
1960 - 1990	Shale - greenish-grey, silty in part, slightly calcareous, minor interbedded greenish-grey siltstone.
1990 - 2170	Shale - greenish-grey and grey, slightly calcareous.
2170 - 2330	Shale - greyish-green and greenish-grey, calcareous.
2330 - 2730	Shale - grey and greenish-grey, slightly calcareous. Brown shale at 2560', calcareous, looks bituminous. Brown shale at 2580' - 2590' and 2660' - 2670'.
2730 - 2850	Shale - dark brown to black, bituminous.
2850 - 2865	Shale - as above, pyritic at 2855' with thin bands of limestone, greyish-white, earthy, microgranular to granular.

<u>Depth</u> <u>Feet</u>	<u>Description</u>
2865 - 2969	Shale - dark brown to black, bituminous.
<u>MIDDLE DEVONIAN</u>	<u>Muskeg-Keg River Formation</u> 2969'
2969 - 3065	Limestone - grey to brown, slightly argillaceous, dense to microcrystalline.
3065 - 3100	Dolomite - brown to dark brown, cryptocrystalline to finely crystalline, poor to fair scattered intercrystalline porosity.
<u>CAMBRIAN ?</u>	<u>Granite Wash</u> 3100'
3100 - 3142	Sandstone - pink, quartzitic, pyritic, very hard and tight.
Total Depth	3142'.

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

10568 - 114th Street, Edmonton, Alberta
Phones 25624 and 42562

2706 Centre Street N., Calgary, Alberta
Phone 76149

WATER ANALYSIS REPORT

Field (Wildcat) Turkey Lake, N. W. T. Well No. Briggs Turkey Lake #1
Operator D. Todd Briggs, c/o J. C. Sproule & Associates Location
Sampled by Date Received April 3, 1958
Formation Middle Devonian Depths 3062' - 3112' How Sampled D.S.T.
Other pertinent data D.S.T. #1 Sampled March 24, 1958.

Analyzed by Chemical & Geological Labs. Ltd. Date April 10, 1958 Lab. No. C 1616

PARTS PER MILLION (MILLIGRAMS PER LITER)

Na & K	Ca	Mg	Fe	SO ₄	Cl	CO ₃	HCO ₃	OH	H ₂ S
38,216	13,008	2,334		210	88,500		200		

MILLIGRAM EQUIVALENTS

1662.40	649.10	191.85		4.37	2495.70		3.28		
---------	--------	--------	--	------	---------	--	------	--	--

MILLIGRAM EQUIVALENTS IN PERCENT

33.20	12.97	3.83		0.09	49.85		0.06		
-------	-------	------	--	------	-------	--	------	--	--

Total Solids in Parts
per Million

By evaporation 156,730
After ignition 133,880
Calculated 142,366

Specific Gravity 1.094
Observed pH 7.1
Resistivity 0,129 ohm meters @ 68° F.

Properties of Reaction in
Percent

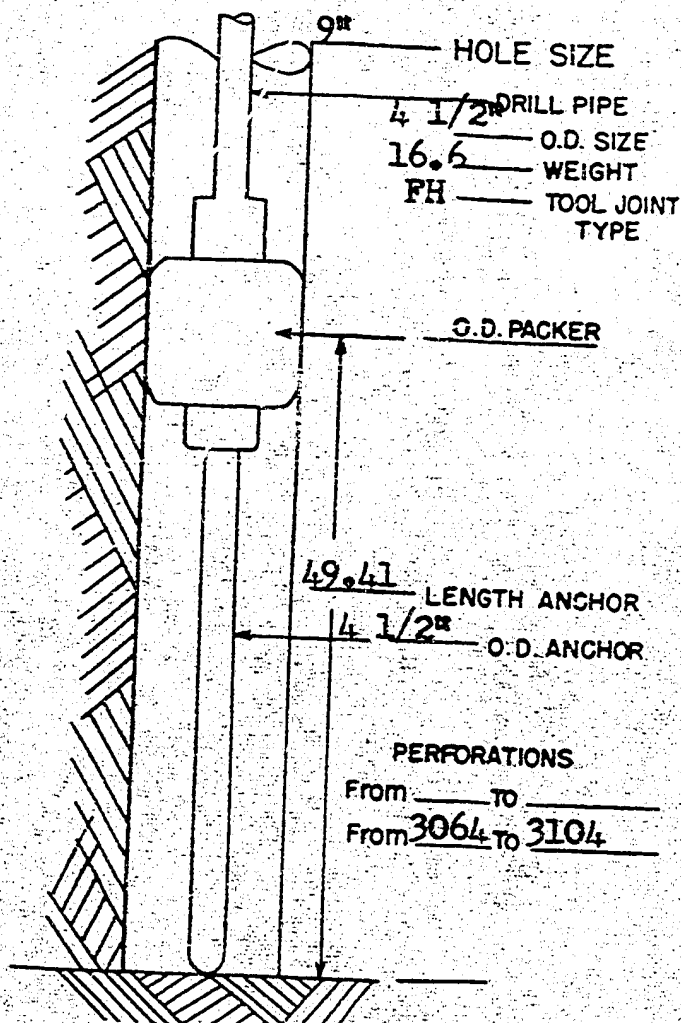
Primary salinity 66.40
Secondary salinity 33.48
Primary alkalinity —
Secondary alkalinity 0.12
Chloride salinity 99.82
Sulfate salinity 0.18

Remarks and conclusions

DRILL STEM TEST REPORT

18.

Well Name Turkey Lake Well No. 1 TEST No. 1 Run No. 1
 Field Wildcat District Turkey Lake
 Testing Company Johnston Testers Province Northwest Territories
 Date Commenced March 24, 1958 Operator Levang
 Date Completed March 24, 1958



Formation Tested Presqu'ile?
 Section Tested. From 3062 To 3112 ft.
 Mud Properties: Wt. 9.8 Vis. 95 sec.
 Filtrate 3.6 c.c. Filter Cake 2/32 Gel
 Water Cushion nil ft.
 Type of Packer Conventional 7 1/2"
 Choke Size, surface - Bottom Hole 1/2"

Time	Remarks
Tester started in hole 6:30 a.m.	
Tester on bottom 7:30 a.m.	
Tester opened 7:50 a.m.	
Tester closed 8:53 a.m.	Shut in 8:53-9:23 am.
Tester pulled loose 9:25 a.m.	
Tester out of hole 11:30 a.m.	
Total time tester open 63 min.	

Weight:
 Set on Packer 39000 lbs. Pull Packer Loose 9000 lbs.
 Weight drill pipe Before Test 39000 After Test
 Mud level in casing Full
 Nature of Blow Good initial blow - slight steady
 Maximum Surface Pressure - blow throughout
 Maximum Trap Pressure -

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

Recovery in Drill Pipe:

	stands	feet	bbls.	Remarks
Free oil	-	-	-	
Mud	-	-	-	
Water	7	408	-	
Gravity of oil	-	° API @	-	° F.
Oil sample obtained	-	-	-	Water sample obtained <u>x</u>

Pressures:

Type of pressure bomb (s) used Inverted T and Inverted Conventional
 Maximum Flowing Pressure 225 PSI
 Minute Shut in Pressure 1355 PSI
 Static Mud Pressure after unseating packer 1667 PSI
 Mechanically, was Test satisfactory: Yes

REMARKS:

Fair initial air blow sustained throughout test.

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

GEOLOGICAL AND ENGINEERING SUMMARY

Well Name: Briggs Turkey Lake No. 1

Location: 61° 7' 30" N. Latitude (Approximately)
120° 22' 30" W. Longitude (Approximately)

Briggs Turkey Lake No. 1 was drilled as a stratigraphic test on a seismic and structure test anomaly 19 miles north-northeast of Briggs Trout River No. 1 dry hole, and two miles southwest of Turkey Lake, Northwest Territories.

The test commenced in silty limestone beds of Upper Devonian age. The shale unit underlying these beds is abnormally thick compared to the Trout River No. 1 test. Dark bituminous shale was encountered at 2,730 feet and had a thickness of 240 feet compared to 20 feet for the same zone in Trout River No. 1. The limestone occurring at 2,969 feet has been assigned to the Muskeg formation (a Presqu'ile equivalent) and is considered to underlie the Watt Mountain and Slave Point formations, both of which are present in Trout River No. 1, but absent in Turkey Lake No. 1.

A section of brown dolomite, which occurs from 3,065 feet to 3,100 feet, immediately overlies hard, tight, pink quartzitic sandstone which is considered to be "granite wash" on top of Precambrian igneous rocks.

Structurally, Briggs Turkey Lake No. 1 is 802 feet higher than Briggs Trout River No. 1, on what appears to be a most reliable limestone marker in the Upper Devonian. It is estimated that the corresponding difference in elevation on top of the Precambrian "basement" would be of the same order.

Poor to fair scattered porosity was observed in the cuttings from 3,065 feet to 3,100 feet. A drill stem test, which included this interval, indicated the absence of any gas and the recovery of 408 feet of salt water. The well was plugged and abandoned at a depth of 3,142 feet.

The absence of the Slave Point carbonate section in this well is of particular interest as the Slave Point formation in the Trout River well, to the south, included about 50 feet of net porosity. Stratigraphic trap possibilities are therefore indicated.

Norman Soul

Norman Soul, P. Eng.

901 Eighth Avenue S. W.,
Calgary, Alberta.
April 21, 1958.

S. R. L. Harding
S. R. L. Harding, P. Eng.

Name and No. of Well **BRIGGS TURKEY**
LAKE NO 1
 Field **TOUR No. ONE**

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

Date **March 26, 1958** (13)
 Name and No. of Rig **Husky #6**
TOUR No. THREE

DRILL PIPE							CASING DEPTH						
Drill Collar Stand and Bit Reamers, Core Barrel, etc.							Size O.D. 10 3/4"						
STANDS							Depth of Shoe 255'						
Singles							DEPTH OF HOLE						
Depth at Beginning of Tour							Footage Cored						
Footage Drilled							Footage Drilled						
Total Pipe for Bottom							Depth at End of Tour 3142 TD						
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.													
2 hr.													
3 hr.													
4 hr.													
5 hr.													
6 hr.													
7 hr.													
8 hr.													

DRILL PIPE							CASING DEPTH						
Drill Collar Stand and Bit Reamers, Core Barrel, etc.							Size O.D. 10 3/4"						
STANDS							Depth of Shoe 255'						
Singles							DEPTH OF HOLE						
Depth at Beginning of Tour							Footage Cored						
Footage Drilled							Footage Drilled						
Total Pipe for Bottom							Depth at End of Tour 3142 TD						
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.													
2 hr.													
3 hr.													
4 hr.													
5 hr.													
6 hr.													
7 hr.													
8 hr.													

DRILL PIPE							CASING DEPTH						
Drill Collar Stand and Bit Reamers, Core Barrel, etc.							Size O.D. 10 3/4"						
STANDS							Depth of Shoe 255'						
Singles							DEPTH OF HOLE						
Depth at Beginning of Tour							Footage Cored						
Footage Drilled							Footage Drilled						
Total Pipe for Bottom							Depth at End of Tour 3142 TD						
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.													
2 hr.													
3 hr.													
4 hr.													
5 hr.													
6 hr.													
7 hr.													
8 hr.													

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

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

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

CREW			TIME ANALYSIS		
Derrickman	Cathead	Fireman	Floorman	Driller	Tool Pusher
Smith	Lerang	Atherton	Robertson	Biedler	McLean
SIGNATURE			SIGNATURE		
Gallons Fuel Used			Gallons Fuel Used		
Remarks:			Remarks:		
DRILLING			DRILLING		
CORING			CORING		
REAMING			REAMING		
CONDITIONING MUD			CONDITIONING MUD		
CIRCULATING			CIRCULATING		
FISHING			FISHING		
RUNNING DEVIATION			RUNNING DEVIATION		
RUNNING ELECTRIC LOG			RUNNING ELECTRIC LOG		
WAITING ON CEMENT			WAITING ON CEMENT		
OILING, GREASING			OILING, GREASING		
SHUT DOWN REPAIRS			SHUT DOWN REPAIRS		
WAITING ON CEMENT TRUCK			WAITING ON CEMENT TRUCK		
TRIP TIME			TRIP TIME		
TOTAL HOURS			TOTAL HOURS		

CREW			TIME ANALYSIS		
Derrickman	Cathead	Fireman	Floorman	Driller	Tool Pusher
Richard	Walter	Johnson	Ward	Weinberger	McLean
SIGNATURE			SIGNATURE		
Gallons Fuel Used			Gallons Fuel Used		
Remarks:			Remarks:		
DRILLING			DRILLING		
CORING			CORING		
REAMING			REAMING		
CONDITIONING MUD			CONDITIONING MUD		
CIRCULATING			CIRCULATING		
FISHING			FISHING		
RUNNING DEVIATION			RUNNING DEVIATION		
RUNNING ELECTRIC LOG			RUNNING ELECTRIC LOG		
WAITING ON CEMENT			WAITING ON CEMENT		
OILING, GREASING			OILING, GREASING		
SHUT DOWN REPAIRS			SHUT DOWN REPAIRS		
RUNNING PLUG #1			RUNNING PLUG #1		
TRIP TIME			TRIP TIME		
TOTAL HOURS			TOTAL HOURS		

CREW			TIME ANALYSIS		
Derrickman	Cathead	Fireman	Floorman	Driller	Tool Pusher
Walter	Knapler	Johnson	Schlang	Russell	McLean
SIGNATURE			SIGNATURE		
Gallons Fuel Used			Gallons Fuel Used		
Remarks:			Remarks:		
DRILLING			DRILLING		
CORING			CORING		
REAMING			REAMING		
CONDITIONING MUD			CONDITIONING MUD		
CIRCULATING			CIRCULATING		
FISHING			FISHING		
RUNNING DEVIATION			RUNNING DEVIATION		
RUNNING ELECTRIC LOG			RUNNING ELECTRIC LOG		
WAITING ON CEMENT			WAITING ON CEMENT		
OILING, GREASING			OILING, GREASING		
SHUT DOWN REPAIRS			SHUT DOWN REPAIRS		
PLUGGING & ABANDONING			PLUGGING & ABANDONING		
TRIP TIME			TRIP TIME		
TOTAL HOURS			TOTAL HOURS		

12:00-8:00	
Waiting on cement truck	

8:00-9:00	
Waiting on cement truck	

9:00-11:30 AM	
Running Plug No 1 from 3142' - 2942'	
80 SK. In place at 11:30 AM	

11:30 - 2:00 PM	
Laying down drill pipe	

4:00-5:00	
Running Plug No 2 from 305' - 205' 60 SK	
In place at 5:00 PM	

5:00-12:00	
Laying down drill pipe & rearing down.	
Rig left standing over hole	

Name and No. of Well **ERIGGS TURKEY**
LAKE NO 1
 Field **TOUR No. ONE**

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

Date **March 25, 1958** (12)
 Name and No. of Rig **Husky #6**
TOUR No. THREE

TOUR No. ONE								TOUR No. TWO								TOUR No. THREE							
DRILL PIPE				CASING DEPTH				DRILL PIPE				CASING DEPTH				DRILL PIPE				CASING DEPTH			
7 Drill Collar Stand and Bit Reamers, Core Barrel, etc. 168.38				Size O.D. 10 3/4"				7 Drill Collar Stand and Bit Reamers, Core Barrel, etc. 168.38				Size O.D. 10 3/4"				7 Drill Collar Stand and Bit Reamers, Core Barrel, etc. 168.38				Size O.D. 10 3/4"			
49 STANDS				Depth of Shoe 255				49 STANDS				Depth of Shoe 255				49 STANDS				Depth of Shoe 255			
DEPTH OF HOLE								DEPTH OF HOLE								DEPTH OF HOLE							
Singles				Depth at Beginning of Tour 3131				Singles				Depth at Beginning of Tour 3139				Singles				Depth at Beginning of Tour 3142 T.D.			
Footage Cored				Footage Drilled 8				Footage Cored				Footage Drilled 3				Footage Cored				Footage Drilled —			
Kelly Down 38'				Depth at End of Tour 3139				Kelly Down 40.67'				Depth at End of Tour 3142 T.D.				Kelly Down 40.67				Depth at End of Tour 3142 T.D.			
Total Pipe for Bottom 3141.85				Total Pipe for Bottom 3141.85				Total Pipe for Bottom 3141.85				Total Pipe for Bottom 3141.85				Total Pipe for Bottom 3141.85				Total Pipe for Bottom 3141.85			
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.		<i>Shd. Additives</i>		9.9	106	600	W2.3.8	1 hr.				9.9	100	600	W2.4.4	1 hr.							
2 hr.				9.9	104	600	3.8	2 hr.								2 hr.							
3 hr.		<i>Antigyp 30016</i>						3 hr.								3 hr.							
4 hr.								4 hr.								4 hr.							
5 hr.								5 hr.								5 hr.							
6 hr.				9.9	100	650	4.4	6 hr.								6 hr.							
7 hr.				9.9	100	600	4.4	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	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"	WTR	44823	4	23				9"	OW	47396	3	7											
9"	OW	47396	4	4																			
Deviations								Deviations								Deviations							
Survey taken at _____ Degrees off _____ Direction _____								Survey taken at _____ Degrees off _____ Direction _____								Survey taken at _____ Degrees off _____ Direction _____							
CREW								CREW								CREW							
Derrickman <i>Smith</i>								Derrickman <i>Reidland</i>								Derrickman <i>Walter</i>							
Cathead <i>Lowery</i>								Cathead <i>Walter</i>								Cathead <i>Knaples</i>							
Fireman <i>Atherton</i>								Fireman <i>Hanson</i>								Fireman <i>Junlin</i>							
Floorman								Floorman <i>Ward</i>								Floorman <i>Sellman</i>							
Floorman <i>Robertson</i>								Floorman								Floorman <i>Riesner</i>							
Driller <i>Buscher</i>								Driller <i>Wainberger</i>								Driller <i>Albrecht</i>							
Tool Pusher _____ Signature _____								Tool Pusher _____ Signature _____								Tool Pusher _____ Signature _____							
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 - 12.15 <i>Arriving rig</i>								8.00 - 8.15 <i>Servicing rig</i>								8.00 - 8.15 <i>Servicing rig</i>							
12.15 - 2.15 <i>Drilling</i>								8.15 - 9.05 <i>Drilling</i>								4.00 - 8.30 <i>Running Schlumberger Gamma Ray Neutron log</i>							
2.15 - 2.30 <i>Working on hole</i>								9.15 - 10.30 <i>Pulled out to run Schlumberger</i>								8.30 - 12.00 <i>Laid down drill collars</i>							
2.30 - 4.00 <i>Pulled out for new bit</i>								10.30 <i>Running Schlumberger Electrical Log and Micro-Logging</i>								Waiting on cement truck							
4.00 - 5.15 <i>Running in hole</i>																							
5.15 - 8.00 <i>Drilling</i>																							

Name and No. of Well

Field

BRIGGS TURKEY LAKE NO 1

TOUR No. ONE

HUSKY OIL & REFINING LTD. DRILLING RIG TOUR REPORT

TOUR No. TWO

Date March 24, 1958 (11)Name and No. of Rig Husky #6

TOUR No. THREE

TOUR No. ONE								TOUR No. TWO								TOUR No. THREE								
DRILL PIPE				CASING DEPTH				DRILL PIPE				CASING DEPTH				DRILL PIPE				CASING DEPTH				
7 Drill Collar Stand and Bit Reamers, Core Barrel, etc. 16838				Size O.D. 10 3/4"				7 Drill Collar Stand and Bit Reamers, Core Barrel, etc. 16838				Size O.D. 10 3/4"				7 Drill Collar Stand and Bit Reamers, Core Barrel, etc. 16838				Size O.D. 10 3/4"				
48 STANDS				Depth of Shoe 255'				49 STANDS				Depth of Shoe 255'				49 STANDS				Depth of Shoe 255'				
				DEPTH OF HOLE								DEPTH OF HOLE								DEPTH OF HOLE				
1 Singles				Depth at Beginning of Tour 3106				Singles				Depth at Beginning of Tour 3112				Singles				Depth at Beginning of Tour 3116				
				Footage Cored								Footage Cored								Footage Cored				
Kelly Down 40.67'				Footage Drilled 6				Kelly Down 15'				Footage Drilled 4				Kelly Down 30				Footage Drilled 15				
Total Pipe for Bottom 3112.36				Depth at End of Tour 3112				Total Pipe for Bottom 3141.85				Depth at End of Tour 3116				Total Pipe for Bottom 3141.85				Depth at End of Tour 3131				
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.				9.8	94	600	W. 3.5	1 hr.								1 hr.		Mud Additive						
2 hr.				9.8	95	600	3.6	2 hr.								2 hr.							W. 2	
3 hr.				9.8	95	600	3.6	3 hr.								3 hr.		Gel 700 lb	9.8	80	600		4.8	
4 hr.								4 hr.								4 hr.		Drill Foot 90 gal						
5 hr.								5 hr.								5 hr.		Carbon 100 lb						
6 hr.								6 hr.								6 hr.		Antigyp 400 lb	9.9	95	600			
7 hr.								7 hr.								7 hr.			9.9	95	600		4.0	
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"	WTR	45300	6	9				9"	WTR	44823	4	4					9"	WTR	44923	15	19			
CORES TAKEN								CORES TAKEN								CORES TAKEN								
To From Recovery								To From Recovery								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	Smith							Derrickman	Richard							Derrickman	Weller							
Cathead	Levang							Cathead	Schlamp							Cathead	Knepler							
Fireman	Atherton							Fireman	Hanson							Fireman	Jenkins							
Floorman	Robertson							Floorman	Ward							Floorman	Schlamp							
Floorman								Floorman								Floorman								
Driller	Bischler							Driller	Weinberger							Driller	Albrecht							
Tool Pusher Signature								Tool Pusher Signature								Tool Pusher Signature								
M'Lean								M'Lean								M'Lean								
Gallons Fuel Used								Gallons Fuel Used								Gallons Fuel Used								
Remarks:								Remarks:								Remarks:								
TIME ANALYSIS								TIME ANALYSIS								TIME ANALYSIS								
DRILLING 2								DRILLING 3/4								DRILLING 7 1/4								
CORING								CORING								CORING								
REAMING								REAMING								REAMING								
CONDITIONING MUD								CONDITIONING MUD								CONDITIONING MUD								
CIRCULATING 1 1/2								CIRCULATING								CIRCULATING								
FISHING								FISHING								FISHING								
RUNNING DEVIATION								RUNNING DEVIATION								RUNNING DEVIATION								
RUNNING ELECTRIC LOG								RUNNING ELECTRIC LOG								RUNNING ELECTRIC LOG								
WAITING ON CEMENT								WAITING ON CEMENT								WAITING ON CEMENT								
OILING, GREASING 1/4								OILING, GREASING								OILING, GREASING 1/4								
SHUT DOWN REPAIRS								SHUT DOWN REPAIRS 1 1/4								SHUT DOWN REPAIRS								
TESTING 3								TESTING 4 1/2								TESTING								
TRIP TIME 1 1/4								TRIP TIME 1 1/2								TRIP TIME								
TOTAL HOURS 8								TOTAL HOURS 8								TOTAL HOURS 8								
12.00 - 12.15 Servicing rig								8.00 - 8.45 Valve open DST #1								4.00 - 4.15 Servicing rig								
12.15 - 2.15 Drilling								8.45 - 9.15 Taking shut in pressure								4.15 - 12.00 Drilling								
2.15 - 3.45 Circulating								9.15 - 11.30 Pulling packer out of hole																
3.45 - 5.00 Pulling out of hole to run drill stem test #1								11.30 - 12.30 Laying down packer & tool																
5.00 - 6.00 Making up packer								DST #1 Recovered 408' salt water																
6.00 - 7.30 Running in with packer								12.30 - 1.00 Repeising air line																
7.30 - 8.00 Sealing packer								1.00 - 2.30 Running in hole																
								2.30 - 3.15 Working on pump																
								3.15 - 4.00 Drilling																
DST #1 3062-3112 Valve open 7.50 AM - 8.50 AM																								
Shut in 1/2 hour. Fair initial flow sustained throughout test.																								

Name and No. of Well

Field

BRIGGS TURKEY
LAKE NO 1

TOUR No. ONE

HUSKY OIL & REFINING LTD.
DRILLING RIG TOUR REPORT

TOUR No. TWO

Date March 23, 1958

Name and No. of Rig Husky #6

TOUR No. THREE

TOUR No. ONE								TOUR No. TWO								TOUR No. THREE								
DRILL PIPE				CASING DEPTH				DRILL PIPE				CASING DEPTH				DRILL PIPE				CASING DEPTH				
7 Drill Collar Stand and Bit Reamers, Core Barrel, etc. 168.38				Size O.D. 10 3/4"				7 Drill Collar Stand and Bit Reamers, Core Barrel, etc. 168.38				Size O.D. 10 3/4"				7 Drill Collar Stand and Bit Reamers, Core Barrel, etc. 168.38				Size O.D. 10 3/4"				
47 STANDS				Depth of Shoe 255				48 STANDS				Depth of Shoe 255				48 STANDS				Depth of Shoe 255				
				DEPTH OF HOLE								DEPTH OF HOLE								DEPTH OF HOLE				
1 Singles				Depth at Beginning of Tour 3008				1 Singles				Depth at Beginning of Tour 3043				1 Singles				Depth at Beginning of Tour 3096				
Footage Cored								Footage Cored								Footage Cored								
Footage Drilled 35								Footage Drilled 53								Footage Drilled 10								
Kelly Down 32'								Kelly Down 24.31'								Kelly Down 34.31'								
Total Pipe for Bottom 3053.15				Depth at End of Tour 3043				Total Pipe for Bottom 3112.36				Depth at End of Tour 3096				Total Pipe for Bottom 3112.36				Depth at End of Tour 3106				
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.		Mud Additives		9.5	102	600	3.8	1 hr.								1 hr.		Mud Additives						
2 hr.								2 hr.				9.8	120	600	WL 4.0	2 hr.				9.7	90	600	WL 4.2	
3 hr.		Drillcore 50 ft		9.5	101	600	3.8	3 hr.				9.6	150	600	4.0	3 hr.		Drillcore 50 ft						
4 hr.		Drillcore Fuel 45 gal		9.5	100	600	3.6	4 hr.								4 hr.		Drillcore Fuel 45 gal						
5 hr.								5 hr.								5 hr.								
6 hr.				9.5	103	600	3.6	6 hr.								6 hr.								
7 hr.								7 hr.				9.7	90	600	4.2	7 hr.								
8 hr.								8 hr.								8 hr.				10.0	110	600		
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"	OSC	90270	35	178				9"	OSC	46866	53	53					9"	OWV	46866	7	60			
Cores Taken								Cores Taken								Cores Taken								
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 Smith								Derrickman Richard								Derrickman Walter								
Cathead Leung								Cathead Schlang								Cathead Kuepfer								
Fireman Schin								Fireman Hanson								Fireman Jundin								
Floorman Robertson								Floorman Ward								Floorman Schlang								
Floorman								Floorman								Floorman								
Driller Bruchler								Driller Weinberger								Driller Albrecht								
Tool Pusher								Tool Pusher								Tool Pusher								
Signature M'Lean								Signature M'Lean								Signature M'Lean								
Gallons Fuel Used								Gallons Fuel Used								Gallons Fuel Used								
Remarks:								Remarks:								Remarks:								
TIME ANALYSIS								TIME ANALYSIS								TIME ANALYSIS								
DRILLING 5 1/4								DRILLING 4 1/4								DRILLING 3 1/2								
CORING								CORING								CORING								
REAMING								REAMING								REAMING								
CONDITIONING MUD								CONDITIONING MUD								CONDITIONING MUD								
CIRCULATING 1/4								CIRCULATING								CIRCULATING 3/4								
FISHING								FISHING								FISHING								
RUNNING DEVIATION								RUNNING DEVIATION								RUNNING DEVIATION								
RUNNING ELECTRIC LOG								RUNNING ELECTRIC LOG								RUNNING ELECTRIC LOG								
WAITING ON CEMENT								WAITING ON CEMENT								WAITING ON CEMENT								
OILING, GREASING 1/4								OILING, GREASING 1/4								OILING, GREASING 1/4								
SHUT DOWN REPAIRS								SHUT DOWN REPAIRS								SHUT DOWN REPAIRS								
TRIP TIME 2 1/4								TRIP TIME 1 1/4								TRIP TIME 3 1/2								
TOTAL HOURS 8								TOTAL HOURS 8								TOTAL HOURS 8								
12.00-12.15 Servicing rig								8.00-8.15 Servicing rig								4.00-4.15 Servicing rig								
12.15-5.30 Drilling								8.15-9.30 Running in hole								4.15-6.00 Drilling								
5.30-5.45 Circulating sample								9.30-11.30 Drilling								6.00-9.30 Trip for new bit								
5.45-8.00 Trip for new bit								11.30-1.45 Changing Kelly. Kelly now 40.67 instead of 43.00								9.30-10.15 Circulating to clean hole								
								1.45-4.00 Drilling								10.15-12.00 Drilling								

Cloud B.C.P. OK

Name and No. of Well **BRIGGS TURKEY**
LAKE NO 1
 Field **TOUR No. ONE**

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

Date **March 21, 1958** (8)
 Name and No. of Rig **Husky #6**
TOUR No. THREE

DRILL PIPE					CASING DEPTH					DRILL PIPE					CASING DEPTH					DRILL PIPE					CASING DEPTH					
7 Drill Collar Stand and Bit Reamers, Core Barrel, etc. 168.38					Size O.D. 10 3/4					7 Drill Collar Stand and Bit Reamers, Core Barrel, etc. 168.38					Size O.D. 10 3/4					7 Drill Collar Stand and Bit Reamers, Core Barrel, etc. 168.38					Size O.D. 10 3/4					
STANDS 37					Depth of Shoe 255					44 STANDS					Depth of Shoe 255					44 STANDS					Depth of Shoe 255					
Singles 1					DEPTH OF HOLE					Singles					DEPTH OF HOLE					Singles					DEPTH OF HOLE					
Depth at Beginning of Tour 2180					Footage Cored					Depth at Beginning of Tour 2454					Footage Cored					Depth at Beginning of Tour 2856					Footage Cored					
Footage Drilled 274					Kelly Down 42'					Footage Drilled 402					Kelly Down 34.5' down					Footage Drilled 9					Kelly Down					
Total Pipe for Bottom 2453.77					Depth at End of Tour 2454					Total Pipe for Bottom 2872.41					Depth at End of Tour 2856					Total Pipe for Bottom 2872.41					Depth at End of Tour 2865					
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.									WL	1 hr.											1 hr.									
2 hr.						10.0	120	600	3.9	2 hr.											2 hr.									
3 hr.										3 hr.											3 hr.									
4 hr.						10.0	121	600	3.9	4 hr.											4 hr.									
5 hr.										5 hr.											5 hr.									
6 hr.						10.0		600	4.0	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"	YT1	Y87365	274	388						9"	YT2	Y87365	402	790						9"	YT1	Y87365	9	799						
Deviation Survey taken at _____ Degrees off _____ Direction _____					Deviation Survey taken at _____ Degrees off _____ Direction _____					Deviation Survey taken at 2830 Degrees off 7/4 Direction _____																				
CREW					TIME ANALYSIS					CREW					TIME ANALYSIS					CREW					TIME ANALYSIS					
Derrickman Walter					DRILLING 7 3/4					Derrickman Smith					DRILLING 7 3/4					Derrickman Richard					DRILLING 1/4					
Cathead Knepler					CORING					Cathead Robertson					CORING					Cathead Schlang					CORING					
Fireman Jordan					REAMING					Fireman Atkinson					REAMING					Fireman Hanson					REAMING					
Floorman Reesner					CONDITIONING MUD					Floorman Schlaeger					CONDITIONING MUD					Floorman Ward					CONDITIONING MUD					
Driller Albrecht					CIRCULATING					Driller Braehler					CIRCULATING					Driller Wainburger					CIRCULATING					
Tool Pusher McLean Signature _____					FISHING					Tool Pusher McLean Signature _____					FISHING					Tool Pusher McLean Signature _____					FISHING					
Gallons Fuel Used					RUNNING DEVIATION					Gallons Fuel Used					RUNNING DEVIATION					Gallons Fuel Used					RUNNING DEVIATION					
Remarks:					RUNNING ELECTRIC LOG					Remarks:					RUNNING ELECTRIC LOG					Remarks:					RUNNING ELECTRIC LOG					
					WAITING ON CEMENT										WAITING ON CEMENT										WAITING ON CEMENT					
					OILING, GREASING 1/4										OILING, GREASING 1/4										OILING, GREASING					
					SHUT DOWN REPAIRS										SHUT DOWN REPAIRS										SHUT DOWN REPAIRS					
					TRIP TIME										TRIP TIME										TRIP TIME					
					TOTAL HOURS 8										TOTAL HOURS 8										TOTAL HOURS 8					
12.00 - 12.15 Arriving rig					8.00 - 8.15 Sourcing rig. Tested B.O.P. - OK					4.00 - 4.15 Drilling					8.00 - 8.15 Sourcing rig. Tested B.O.P. - OK					4.00 - 4.15 Drilling					8.00 - 8.15 Sourcing rig. Tested B.O.P. - OK					
12.15 - 8.00 Drilling 9" Hole					8.15 - 4.00 Drilling					4.15 - 4.45 Circulating samples					8.15 - 4.00 Drilling					4.45 - 5.00 Run deviation survey					8.15 - 4.00 Drilling					
					Injuries Braehler hurt right wrist while making connection					5.00 - 6.30 Measured out of hole - OK. 2864.91					Injuries Braehler hurt right wrist while making connection					5.00 - 6.30 Measured out of hole - OK. 2864.91					Injuries Braehler hurt right wrist while making connection					
										6.30 - 12.00 Mixing mud to increase volume in pit while waiting on welder to cut off 1.5" tag taken & spread										6.30 - 12.00 Mixing mud to increase volume in pit while waiting on welder to cut off 1.5" tag taken & spread										

Name and No. of Well

Field

BRIGGS TURKEY
LAKE NO 1
TOUR NO. ONE

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

Date March 20, 1958

Name and No. of Rig Husky # 6

TOUR No. THREE

⑦

TOUR NO. ONE																													
DRILL PIPE				CASING DEPTH				DRILL PIPE				CASING DEPTH				DRILL PIPE				CASING DEPTH									
7 Drill Collar Stand and Bit Reamers, Core Barrel, etc.				16838				Size O.D. 10 3/4"				7 Drill Collar Stand and Bit Reamers, Core Barrel, etc.				16838				Size O.D. 10 3/4"									
31 STANDS				Depth of Shoe 255				31 STANDS				Depth of Shoe 255				34 STANDS				Depth of Shoe 255									
— Singles				DEPTH OF HOLE				— Singles				DEPTH OF HOLE				3, Singles				DEPTH OF HOLE									
Depth at Beginning of Tour 1912				Footage Cored				Depth at Beginning of Tour 2066				Footage Cored				Depth at Beginning of Tour 2066				Footage Cored									
Footage Drilled 154				Footage Drilled				Footage Drilled				Footage Drilled				Footage Drilled				Footage Drilled									
Kelly Down 42'				Depth at End of Tour 2066				Kelly Down 42'				Depth at End of Tour 2066				Kelly Down 37'				Depth at End of Tour 2180									
Total Pipe for Bottom 2066.14				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.										1 hr.											1 hr.								
2 hr.										2 hr.											2 hr.								
3 hr.										3 hr.											3 hr.								
4 hr.					9.6	100	600	4.4		4 hr.											4 hr.		Drillcore 50 lb			10.0	98		4.2
5 hr.										5 hr.											5 hr.					10.0	120	600	
6 hr.					9.6	102	600	4.4		6 hr.											6 hr.								
7 hr.										7 hr.											7 hr.					10.0	120	600	4.4
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"	OSCIG	48331	154	535																9"	YT1	18135	114	114					
Deviation Survey taken at 1900 Degrees off 1/4 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	Wolter			DRILLING	3 1/2			Derrickman	Smith			DRILLING				Derrickman	Richard			DRILLING	3 1/2								
Cathead	Kuebler			CORING				Cathead	Hanson			CORING				Cathead	Schlamp			CORING									
Fireman	Junker			REAMING				Fireman	Atkinson			REAMING				Fireman	Hanson			REAMING									
Floorman				CONDITIONING MUD				Floorman				CONDITIONING MUD				Floorman	Ward			CONDITIONING MUD?	1								
Floorman	Rosen			CIRCULATING	1/4			Floorman	Robertson			CIRCULATING				Floorman	Ward			CIRCULATING									
Driller	Albrecht			FISHING	1/4			Driller	Bischler			FISHING				Driller	Weinberger			FISHING									
Tool Pusher	Signature			RUNNING DEVIATION	1/4			Tool Pusher	Signature			RUNNING DEVIATION				Tool Pusher	Signature			RUNNING DEVIATION									
McLean				RUNNING ELECTRIC LOG				McLean				RUNNING ELECTRIC LOG				McLean				RUNNING ELECTRIC LOG									
Gallons Fuel Used				WAITING ON CEMENT				Gallons Fuel Used				WAITING ON CEMENT				Gallons Fuel Used				WAITING ON CEMENT									
Remarks:				OILING, GREASING	1/4			Remarks:				OILING, GREASING				Remarks:				OILING, GREASING	2 1/2								
				SHUT DOWN REPAIRS								SHUT DOWN REPAIRS								SHUT DOWN REPAIRS									
				TRIP TIME	3 3/4							TRIP TIME								TRIP TIME	1								
				TOTAL HOURS	8							TOTAL HOURS	8							TOTAL HOURS	8								
12.00-12.15 Servicing rig										8.00-8.15 Servicing rig										4.00-5.00 Waiting on pump parts									
12.15-12.45 Drilling										8.15-4.00 Waiting on pump parts (packing gland cover)										5.00-6.30 Working on pump									
12.45-3.15 Pulled up to 1400' to free and tight hole. Reamed tight hole to bottom.										Injuries: Robertson sprained foot while working on rotary table										6.30-7.30 Running in hole									
3.15-3.30 Ran deviation survey										</																			

Date Mar 19/58 (6)
Name and No. of Rig Husky #6
TOUR No. THREE

TOUR No. ONE

TOUR No. TWO

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																													
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										Depth at End of Tour										Kelly Down										Depth at End of Tour										Kelly Down										Depth at End of Tour																													
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										Time										Depth										Time										Depth										Time										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)										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										Mud Weight										Wt. Indic. Reading										Mud Weight										Wt. Indic. Reading										Mud Weight										Wt. Indic. Reading										Mud Weight									
Mud Viscosity										Mud Viscosity										Mud Viscosity										Mud Viscosity										Mud Viscosity										Mud Viscosity										Mud Viscosity																			
Pump Pressure										Pump Pressure										Pump Pressure										Pump Pressure										Pump Pressure										Pump Pressure										Pump Pressure																			
Changes of Mud										Changes of Mud										Changes of Mud										Changes of Mud										Changes of Mud										Changes of Mud										Changes of Mud																			
1 hr.										2 hr.										1 hr.										2 hr.										1 hr.										2 hr.										1 hr.										2 hr.									
3 hr.										4 hr.										3 hr.										4 hr.										3 hr.										4 hr.										3 hr.										4 hr.									
5 hr.										6 hr.										5 hr.										6 hr.										5 hr.										6 hr.										5 hr.										6 hr.									
7 hr.										8 hr.										7 hr.										8 hr.										7 hr.										8 hr.										7 hr.										8 hr.									
9 hr.										10 hr.										9 hr.										10 hr.										9 hr.										10 hr.										9 hr.										10 hr.									
11 hr.										12 hr.										11 hr.										12 hr.										11 hr.										12 hr.										11 hr.										12 hr.									
13 hr.										14 hr.										13 hr.										14 hr.										13 hr.										14 hr.										13 hr.										14 hr.									
15 hr.										16 hr.										15 hr.										16 hr.										15 hr.										16 hr.										15 hr.										16 hr.									
17 hr.										18 hr.										17 hr.										18 hr.										17 hr.										18 hr.										17 hr.										18 hr.									
19 hr.										20 hr.										19 hr.										20 hr.										19 hr.										20 hr.										19 hr.										20 hr.									
21 hr.										22 hr.										21 hr.										22 hr.										21 hr.										22 hr.										21 hr.										22 hr.									
23 hr.										24 hr.										23 hr.										24 hr.										23 hr.										24 hr.										23 hr.										24 hr.									
25 hr.										26 hr.										25 hr.										26 hr.										25 hr.										26 hr.										25 hr.										26 hr.									
27 hr.										28 hr.										27 hr.										28 hr.										27 hr.										28 hr.										27 hr.										28 hr.									
29 hr.										30 hr.										29 hr.										30 hr.										29 hr.										30 hr.										29 hr.										30 hr.									
31 hr.										32 hr.										31 hr.										32 hr.										31 hr.										32 hr.										31 hr.										32 hr.									
33 hr.										34 hr.										33 hr.										34 hr.										33 hr.										34 hr.										33 hr.										34 hr.									
35 hr.										36 hr.										35 hr.										36 hr.										35 hr.										36 hr.										35 hr.										36 hr.									
37 hr.										38 hr.										37 hr.										38 hr.										37 hr.										38 hr.										37 hr.										38 hr.									
39 hr.										40 hr.										39 hr.										40 hr.										39 hr.										40 hr.										39 hr.										40 hr.									
41 hr.										42 hr.										41 hr.										42 hr.										41 hr.										42 hr.										41 hr.										42 hr.									
43 hr.										44 hr.										43 hr.										44 hr.										43 hr.										44 hr.										43 hr.										44 hr.									
45 hr.										46 hr.										45 hr.										46 hr.										45 hr.										46 hr.										45 hr.										46 hr.									
47 hr.										48 hr.										47 hr.										48 hr.										47 hr.										48 hr.										47 hr.										48 hr.									
49 hr.										50 hr.										49 hr.										50 hr.										49 hr.										50 hr.										49 hr.										50 hr.									
51 hr.										52 hr.										51 hr.										52 hr.										51 hr.										52 hr.										51 hr.										52 hr.									
53 hr.										54 hr.										53 hr.										54 hr.										53 hr.										54 hr.										53 hr.										54 hr.									
55 hr.										56 hr.										55 hr.										56 hr.										55 hr.										56 hr.										55 hr.										56 hr.									
57 hr.										58 hr.										57 hr.										58 hr.										57 hr.										58 hr.										57 hr.										58 hr.									
59 hr.										60 hr.										59 hr.										60																																																	

Name and No. of Well Turkey Lake #1

Field _____

TOUR No. ONE

HUSKY OIL & REFINING LTD. DRILLING RIG TOUR REPORT

TOUR No. TWO

Date Mar 18/56 ⑤

Name and No. of Rig Husky #6

TOUR No. THREE

DRILL PIPE			CASING DEPTH		
Drill Collar Stand and Bit Reamers, Core Barrel, etc.			Size O.D.		
STANDS			Depth of Shoe		
Singles			DEPTH OF HOLE		
Kelly Down			Depth at Beginning of Tour		
Total Pipe for Bottom			Footage Cored		
Time			Footage Drilled		
Depth			Depth at End of Tour		
Formation During Last Hour (Include Oil and Gas Shows)			Wt. Indic. Mud Weight Mud Viscosity Pump Pressure Changes of Mud		
1 hr.	100'				
2 hr.	Bicarbonate of Soda				
3 hr.	7.4				
4 hr.	2500 gals diesel fuel				
5 hr.	W				
6 hr.	4000 lbs diasec 6.6				
7 hr.	Water				
8 hr.	4.6				

BITS USED			CORES TAKEN		
Size	Type	Serial No.	Footage This Tour	Total Footage	To From Recovery
9"	OSC	963	33	33	

Deviation	Survey taken at	Degrees off	Direction
CREW		TIME ANALYSIS	
Derrickman	<i>W. W. Walters</i>	DRILLING	2
Cathead	<i>J. Kniffles</i>	CORING	
Fireman	<i>J. H. Jenkins</i>	REAMING	
Floorman	<i>R. H. Hanner</i>	CONDITIONING MUD	6
Floorman		CIRCULATING	
Driller	<i>J. H. Hester</i>	FISHING	
Tool Pusher		RUNNING DEVIATION	
	Signature	RUNNING ELECTRIC LOG	
	<i>McLean</i>	WAITING ON CEMENT	
Gallons Fuel Used		OILING, GREASING	
Remarks:		SHUT DOWN REPAIRS	
		TRIP TIME	
		TOTAL HOURS	8

12:00 - 2:00 Hold out shoe
displaced & condition cement cut mud
2:00 - 6:00 Condensed to lower water loss.
6:00 - 8:00 Hdg

DRILL PIPE			CASING DEPTH		
Drill Collar Stand and Bit Reamers, Core Barrel, etc.			Size O.D.		
STANDS			Depth of Shoe		
Singles			DEPTH OF HOLE		
Kelly Down			Depth at Beginning of Tour		
Total Pipe for Bottom			Footage Cored		
Time			Footage Drilled		
Depth			Depth at End of Tour		
Formation During Last Hour (Include Oil and Gas Shows)			Wt. Indic. Mud Weight Mud Viscosity Pump Pressure Changes of Mud		
1 hr.	200# Bico R Soda	5.0	146		
2 hr.	50# DRIS COSE				
3 hr.	45 GALS. D FUEV	48	130		
4 hr.	75# CAUSTIC				
5 hr.	150# Q. X	4.4	100		
6 hr.	WATER				
7 hr.	"	4.4	95		
8 hr.	"	4.4	85		

BITS USED			CORES TAKEN		
Size	Type	Serial No.	Footage This Tour	Total Footage	To From Recovery
9"	OSC	963	330	363	
			331	364	

Deviation	Survey taken at	Degrees off	Direction
	760	34	
CREW		TIME ANALYSIS	
Derrickman	O. Smith	DRILLING	6
Cathead	B. Knight	CORING	
Fireman	B. Atkinson	REAMING	
Floorman		CONDITIONING MUD	
Floorman	J. Robertson	CIRCULATING	
Driller	W. Birchall	FISHING	
Tool Pusher	McLean	RUNNING DEVIATION	1/2
Signature		RUNNING ELECTRIC LOG	
Gallons Fuel Used		WAITING ON CEMENT	
Remarks:		OILING, GREASING	1/4
		SHUT DOWN REPAIRS	1 1/4
		TRIP TIME	
600 El 5 Service		TOTAL HOURS	8

12:00 8:15 Service
2:15 10:00 Drill rig
10:00 11:00 Work on shaker
11:00 3:00 Drill rig
3:00 3:30 Run survey
3:30 3:45 Drill rig
3:45 4:00 Weld on Kelly.

DRILL PIPE			CASING DEPTH		
Drill Collar Stand and Bit Reamers, Core Barrel, etc.			Size O.D.		
STANDS			Depth of Shoe		
Singles			DEPTH OF HOLE		
Kelly Down			Depth at Beginning of Tour		
Total Pipe for Bottom			Footage Cored		
Time			Footage Drilled		
Depth			Depth at End of Tour		
Formation During Last Hour (Include Oil and Gas Shows)			Wt. Indic. Mud Weight Mud Viscosity Pump Pressure Changes of Mud		
1 hr.			4	8.6	80
2 hr.			2.2	8.6	80
3 hr.					
4 hr.					
5 hr.					
6 hr.					
7 hr.					
8 hr.					

BITS USED			CORES TAKEN		
Size	Type	Serial No.	Footage This Tour	Total Footage	To From Recovery
9"	SL	2520	328	328	

Deviation	Survey taken at	Degrees off	Direction	
CREW			TIME ANALYSIS	
Derrickman	J. RICHARDS		DRILLING	4 1/4
Cathead			CORING	
Fireman	L. HANSON		REAMING	
Floorman	ROSS WARD		CONDITIONING MUD	
Floorman			CIRCULATING	
Driller	J. WEINBERGER		FISHING	
Tool Pusher	McLean		RUNNING DEVIATION	
		Signature	RUNNING ELECTRIC LOG	
Gallons Fuel Used			WAITING ON CEMENT	
Remarks:			OILING, GREASING	
			SHUT DOWN REPAIRS	2 1/4
			TRIP TIME	1 1/2
			TOTAL HOURS	8

12:00 4:30 WELD on KELLY
4:30 6:00 TRIP to change bit
6:00 7:30 DRILLING
7:30 8:00 WORK on high pressure
8:00 11:00 DRILLING
11:00 12:00 WORK on oil pump

Name and No. of Well

Briggs Turkey Lake #1

Field

TOUR No. ONE

HUSKY OIL & REFINING LTD. DRILLING RIG TOUR REPORT

TOUR No. TWO

Date *Mar 17 1958*

Name and No. of Rig

Husky #6

TOUR No. THREE

DRILL PIPE		CASING DEPTH	
Drill Collar Stand and Bit Reamers, Core Barrel, etc.	<i>7 16838</i>	Size O.D.	<i>10 3/4</i>
STANDS	<i>3</i>	Depth of Shoe	<i>255</i>
DEPTH OF HOLE		DEPTH OF HOLE	
Singles	<i>1</i>	Depth at Beginning of Tour	<i>420</i>
Kelly Down	<i>35</i>	Footage Cored	
Total Pipe for Bottom	<i>424</i>	Footage Drilled	
		Depth at End of Tour	<i>420</i>

DRILL PIPE		CASING DEPTH	
Drill Collar Stand and Bit Reamers, Core Barrel, etc.	<i>7 16838</i>	Size O.D.	<i>10 3/4</i>
STANDS	<i>3</i>	Depth of Shoe	<i>255</i>
DEPTH OF HOLE		DEPTH OF HOLE	
Singles		Depth at Beginning of Tour	
Kelly Down	<i>37</i>	Footage Cored	
Total Pipe for Bottom	<i>424</i>	Footage Drilled	
		Depth at End of Tour	

DRILL PIPE		CASING DEPTH	
Drill Collar Stand and Bit Reamers, Core Barrel, etc.	<i>7 16838</i>	Size O.D.	<i>10 3/4</i>
STANDS	<i>3</i>	Depth of Shoe	<i>255</i>
DEPTH OF HOLE		DEPTH OF HOLE	
Singles	<i>1</i>	Depth at Beginning of Tour	<i>424</i>
Kelly Down	<i>37</i>	Footage Cored	
Total Pipe for Bottom	<i>424</i>	Footage Drilled	
		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
1 hr.							
2 hr.							
3 hr.							
4 hr.							
5 hr.							
6 hr.							
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.							
2 hr.							
3 hr.							
4 hr.							
5 hr.							
6 hr.							
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.							
2 hr.							
3 hr.							
4 hr.							
5 hr.							
6 hr.							
7 hr.							
8 hr.							

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

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

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

Deviation	Survey taken at	Degrees off	Direction
CREW		TIME ANALYSIS	
Derrickman	<i>W. Walter</i>	DRILLING	
Cathead	<i>J. Kuebler</i>	CORING	
Fireman	<i>J. Kuebler</i>	REAMING	
Floorman	<i>W. Hansen</i>	CONDITIONING MUD	
Floorman	<i>W. Hansen</i>	CIRCULATING	
Driller	<i>J. Kuebler</i>	FISHING	
Tool Pusher	<i>J. Kuebler</i>	RUNNING DEVIATION	
Gallons Fuel Used		RUNNING ELECTRIC LOG	
Remarks:		WAITING ON CEMENT	
		OILING, GREASING	
		SHUT DOWN REPAIRS	
		TRIP TIME	
		TOTAL HOURS	

Deviation	Survey taken at	Degrees off	Direction
CREW		TIME ANALYSIS	
Derrickman	<i>J. Kuebler</i>	DRILLING	
Cathead	<i>B. Kuebler</i>	CORING	
Fireman	<i>B. Kuebler</i>	REAMING	
Floorman	<i>B. Kuebler</i>	CONDITIONING MUD	
Floorman	<i>B. Kuebler</i>	CIRCULATING	
Driller	<i>B. Kuebler</i>	FISHING	
Tool Pusher	<i>B. Kuebler</i>	RUNNING DEVIATION	
Gallons Fuel Used		RUNNING ELECTRIC LOG	
Remarks:		WAITING ON CEMENT	
		OILING, GREASING	
		SHUT DOWN REPAIRS	
		TRIP TIME	
		TOTAL HOURS	

Deviation	Survey taken at	Degrees off	Direction
CREW		TIME ANALYSIS	
Derrickman	<i>J. Kuebler</i>	DRILLING	
Cathead	<i>B. Kuebler</i>	CORING	
Fireman	<i>B. Kuebler</i>	REAMING	
Floorman	<i>B. Kuebler</i>	CONDITIONING MUD	
Floorman	<i>B. Kuebler</i>	CIRCULATING	
Driller	<i>B. Kuebler</i>	FISHING	
Tool Pusher	<i>B. Kuebler</i>	RUNNING DEVIATION	
Gallons Fuel Used		RUNNING ELECTRIC LOG	
Remarks:		WAITING ON CEMENT	
		OILING, GREASING	
		SHUT DOWN REPAIRS	
		TRIP TIME	
		TOTAL HOURS	

12:00 - 1:00 Standing Cemented

8:00 4:00 11 up to up

12:00 HEAD UP 300. PRESSURE UP 1700 RUN IN HOLE 5. Casing to 650 OK.

Name and No. of Well Breggs Turkey Lake #1

Field _____

TOUR No. ONE

HUSKY OIL & REFINING LTD.
DRILLING RIG TOUR REPORT

TOUR No. TWO

Date Mar 16/58 (3)

Name and No. of Rig Husky #6

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. <u>7 16838</u>				Size O.D. <u>10 3/4</u>				Drill Collar Stand and Bit Reamers, Core Barrel, etc. <u>7 16838</u>				Size O.D. <u>10 3/4</u>				Drill Collar Stand and Bit Reamers, Core Barrel, etc. <u>7 16838</u>				Size O.D. <u>10 3/4</u>			
STANDS <u>2</u>				Depth of Shoe <u>353</u>				STANDS <u>3</u>				Depth of Shoe <u>420</u>				STANDS <u>3</u>				Depth of Shoe <u>420</u>			
Singles <u>Swi</u>				DEPTH OF HOLE				Singles				DEPTH OF HOLE				Singles				DEPTH OF HOLE			
Depth at Beginning of Tour <u>22</u>				Footage Cored				Depth at Beginning of Tour <u>333</u>				Footage Cored				Depth at Beginning of Tour <u>420</u>				Footage Cored			
Kelly Down <u>4</u>				Footage Drilled <u>113</u>				Kelly Down <u>37</u>				Footage Drilled <u>87</u>				Kelly Down				Footage Drilled			
Total Pipe for Bottom <u>333</u>				Depth at End of Tour <u>333</u>				Total Pipe for Bottom <u>42023</u>				Depth at End of Tour <u>420</u>				Total Pipe for Bottom				Depth at End of Tour <u>420</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.					<u>78</u>			1 hr.	<u>8.30</u>		<u>12.8</u>		<u>74</u>			1 hr.							
2 hr.								2 hr.		<u>50# DRISCOE</u>						2 hr.							
3 hr.					<u>79</u>			3 hr.								3 hr.							
4 hr.			<u>WLS</u>					4 hr.		<u>100# DRISCOE</u>						4 hr.							
5 hr.			<u>3</u>		<u>79</u>			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	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
<u>13 3/4</u>	<u>OSC</u>	<u>973</u>	<u>45</u>	<u>85</u>				<u>9</u>	<u>OSC</u>	<u>973</u>	<u>87</u>	<u>155</u>											
<u>9</u>	<u>OSC</u>	<u>973</u>	<u>66</u>	<u>68</u>																			
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 <u>W. Weller</u>								Derrickman <u>O. Smith</u>								Derrickman <u>J. RICHARD</u>							
Cathead <u>S. Kueffer</u>								Cathead <u>R. Kandi</u>								Cathead <u>R. KANDI</u>							
Fireman <u>J. A. Jenkins</u>								Fireman <u>B. A. Thompson</u>								Fireman <u>J. HANSON</u>							
Floorman <u>R. Chenev</u>								Floorman <u>G. Robertson</u>								Floorman <u>ROSS WARD</u>							
Driller <u>S. Schrecks</u>								Driller <u>W. B. Schrecks</u>								Driller <u>W. B. SCHRECK</u>							
Tool Pusher <u>J. M. L. L.</u>								Tool Pusher <u>J. M. L. L.</u>								Tool Pusher <u>J. M. L. L.</u>							
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 - 4:15 Run 13 3/4" to 265 KB 8:00 8:15 Service								8:15 1:00 Drilling								1:00 5:00 Run casing.							
4:15 - 4:45 Cnc. to clean hole								1:00 1:30 Pullout & Run in								5:00 5:30 R.P. hole for cement.							
4:45 - 5:15 Trip 13 3/4" to 9" bit								1:30 2:30 Cnc. hole								5:30 6:15 R.P. cement.							
5:15 - 8:00 Haly ahead w/ 9"								2:30 2:45 Pullout								6:15 12:00 Haly							
								2:45 4:00 Rig up to Run casing								Run 7 1/2" 10 3/4" - 32.75" JSS casing							
																245.01' set @ 255.51 KB cement							
																by Hake with 150 sec cement							
																(no additives) Plug down @ 6:15							

Name and No. of Well Turkey Lake #1

Field _____

HUSKY OIL & REFINING LTD. DRILLING RIG TOUR REPORT

Date Mar 15/51 ②

Name and No. of Rig Husky #6

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				
Drill Collar Stand and Bit Reamers, Core Barrel, etc. <u>3</u>					Size O.D.					Drill Collar Stand and Bit Reamers, Core Barrel, etc. <u>6 1/4</u>					Size O.D.					Drill Collar Stand and Bit Reamers, Core Barrel, etc. <u>7 1/8</u>					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 <u>90</u>					Singles					Depth at Beginning of Tour <u>95</u>					Singles					Depth at Beginning of Tour <u>151</u>				
Footage Cored					Footage Drilled <u>255</u>					Footage Cored					Footage Drilled <u>56</u>					Footage Cored					Footage Drilled <u>69</u>				
Kelly Down					Depth at End of Tour <u>95</u>					Kelly Down <u>20</u>					Depth at End of Tour <u>151</u>					Kelly Down <u>2000</u>					Depth at End of Tour <u>220</u>				
Total Pipe for Bottom					Total Pipe for Bottom <u>142</u>					Total Pipe for Bottom <u>24013</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.		<u>SS, S, G, L</u>		<u>82</u>				1 hr.				<u>83</u>	<u>250</u>			1 hr.		<u>9.8</u>		<u>78</u>									
2 hr.		<u>Oil, sand, 150 lb</u>		<u>82</u>				2 hr.								2 hr.			<u>9.4</u>		<u>76</u>								
3 hr.				<u>85</u>				3 hr.				<u>85</u>	<u>250</u>			3 hr.													
4 hr.								4 hr.								4 hr.													
5 hr.								5 hr.				<u>6.8</u>	<u>85</u>	<u>250</u>		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						
<u>13 1/4</u>	<u>OSC RR</u>	<u>5</u>	<u>95</u>					<u>13 1/4</u>	<u>OSC</u>	<u>18418</u>	<u>56</u>	<u>110</u>				<u>13 1/4</u>	<u>OSC RR</u>	<u>29</u>	<u>85</u>										
<u>20562</u>								<u>13</u>								<u>13 1/4</u>	<u>OSC RR</u>	<u>20</u>	<u>40</u>										
																<u>17111</u>													
Deviation Survey taken at _____ Degrees off _____ Direction _____					Deviation Survey taken at <u>1/0</u> Degrees off <u>3/4</u> Direction _____					Deviation Survey taken at <u>2/0</u> Degrees off <u>3/4</u> Direction _____																			
CREW					TIME ANALYSIS					CREW					TIME ANALYSIS					CREW					TIME ANALYSIS				
Derrickman	<u>R. Richard</u>				DRILLING	<u>1/2</u>		Derrickman	<u>W. Smith</u>					DRILLING	<u>7 1/2</u>		Derrickman	<u>O. Smith</u>						DRILLING	<u>7 1/2</u>				
Cathead	<u>R. KANDT</u>				CORING			Cathead	<u>R. KANDT</u>					CORING			Cathead	<u>R. KANDT</u>						CORING					
Fireman	<u>H. HANSON</u>				REAMING			Fireman	<u>B. Atkinson</u>					REAMING			Fireman	<u>B. Atkinson</u>						REAMING					
Floorman					CONDITIONING MUD			Floorman						CONDITIONING MUD			Floorman							CONDITIONING MUD					
Floorman	<u>ROSS WARD</u>				CIRCULATING			Floorman	<u>G. Robertson</u>					CIRCULATING			Floorman	<u>G. Robertson</u>						CIRCULATING					
Driller	<u>W. WEINBERGER</u>				FISHING			Driller	<u>W. Bischoff</u>					FISHING			Driller	<u>W. Bischoff</u>						FISHING					
Tool Pusher	<u>J. [Signature]</u>				RUNNING DEVIATION			Tool Pusher	<u>J. [Signature]</u>					RUNNING DEVIATION	<u>1/4</u>		Tool Pusher	<u>J. [Signature]</u>						RUNNING DEVIATION	<u>1/4</u>				
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	<u>1/4</u>									OILING, GREASING	<u>1/4</u>				
					SHUT DOWN REPAIRS	<u>2 1/2</u>								SHUT DOWN REPAIRS										SHUT DOWN REPAIRS					
					TRIP TIME									TRIP TIME										TRIP TIME					
					TOTAL HOURS	<u>8</u>								TOTAL HOURS	<u>8</u>									TOTAL HOURS	<u>8</u>				
<u>1200 100 SPARK SANDLINE</u>					<u>Service</u>					<u>400 415 Service</u>					<u>415 1100 Drilling</u>														
<u>100 230 WORK ON PUMP</u>					<u>6:00 - 2:30 1 1/2 hrs Surface hole</u>					<u>1100 1130 Pump & trip to change bits</u>					<u>1130 1200 Drilling</u>														
<u>220 240 DRILLING</u>					<u>230 - 245 Drilling</u>																								
<u>240 260 ROLL MUD</u>					<u>245 - 4:00 1 1/2 hrs</u>																								

