

BA-HB ROOT RIVER
NO. 1

Drilling Authority No.

Date Issued

WELL NAME B.A. - H.B. Root River No. 1

FIELD Wildcat

Area: Fort Simpson

LOCATION: Unit

Section

Grid

Latitude 62°51' N.

Longitude

123°18' W.

From Established Reference Marker

Rig Release Date: 16-7-53

Status D & A

Information Release Date 16-7-55

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. 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.

CANADA
DEPARTMENT OF RESOURCES AND DEVELOPMENT
NORTHERN ADMINISTRATION AND LANDS BRANCH

(ABANDONMENT)

REPORT

(Strike out operations which do not apply)

To be submitted in triplicate in accordance with
Section 70 of the Territorial Oil and Gas Regulations
to the Conservation Engineer at Edmonton, Alberta.

Name of well **B.A.-H.B. Root River #1** Permit No. **482**.....
Lease No.
Registered owner Drilling company **Petrol Ltd.**.....
Location: (Survey description) **East bank of Mackenzie River, directly opposite**
mouth of Root River. Longitude 125° 18', Latitude 62° 25'......
Elevation: Ground **862'(?)**.... Kelly bushing **870'(?)**..... Depth... **2778'**....
Spudded **June 27, 1958**..... Finished drilling **July 18, 1958**. Rig released **July 17, 1958**
Deviations from vertical. **Deflection surveys were not taken**.....

CASING

	<u>Size O.D.</u> <u>inches</u>	<u>Amount</u> <u>feet</u>	<u>Grade</u>	<u>New or</u> <u>used</u>	<u>Set at</u> <u>feet</u>	<u>Sacks</u> <u>cement</u>
1.	7"	O.D.	H-40 & J-55	new	279	70
2.	.....	.....	.....	.....	.....	.....
3.	.....	.....	.....	.....	.....	.....

TUBING

Status of well on completion of drilling **Plugged and abandoned**.....
Producing zone **none**.....
Cored intervals **none**.....
.....
Interval logged: E-log **2778' - 279'**..... M-log .. **none**.....
R-log ... **none**..... Other .. **none**.....

DRILLSTEM TESTS

<u>Test No.</u>	<u>Date</u>	<u>Interval tested</u>	<u>Duration</u>	<u>Results</u>
none				

(Over)

noted in drill
record 4-8-58
fly

C A N A D A
DEPARTMENT OF RESOURCES AND DEVELOPMENT
NORTHERN ADMINISTRATION AND LANDS BRANCH

ABANDON)
NOTICE OF INTENTION TO ~~XXXXXXXXXXXXXXX~~) A WELL
~~XXXXXXXXXXXXXXX~~)
~~XXXXXXXXXXXXXXX~~)

(Stoke out operations which do not apply).

To be submitted in triplicate to the Conservation
Engineer at Edmonton, Alberta.

In accordance with Sections 60, 61, or 62 of the Territorial Oil
and Gas Regulations, notice is hereby given of our intention to

~~abandon~~ the well named ~~B.A. - H.B. Root River Oil~~ Oil

(Permit No. ~~608~~) registered in the name of
(Lease No.)

Depth ~~2778~~ feet. Elevation above sea level: Ground surface ~~862~~ ft. ?
Kelly bushing ~~870~~ ft. ?

Location (if not accurately stated in Notice of Intention to Begin Drilling
Operations):

(N of S boundary) of (Permit No.) at approxN lat.
(S of N boundary) of (Lease No.)
(W of E boundary) of (Permit No.) at approxW lat.
(E of W boundary) of (Lease No.)

East bank of Mackenzie River directly opposite mouth of Root River.
Survey description Longitude ~~125° 18'~~ Latitude ~~62° 25'~~

CASING RECORD

Size O.D. inches	Weight lbs/ft.	Amount feet	Set at feet	Sacks cement	Method	To be withdrawn
1. 7"	206	222	272	70	Howee Displacement	No.
2. ....	.....	.....	.....	.....	.....	.....
3. ....	.....	.....	.....	.....	.....	.....

OIL, GAS and WATER

<u>Encountered</u>	<u>Cement plugs to be set</u>
Oil from nil feet to nil feet. From nil feet to nil feet with nil sacks	
.....	
.....	
Gas from nil feet to nil feet. From nil feet to nil feet with nil sacks.	
.....	
.....	

(Over)

Water from 211 feet to 211 feet. From 211 feet to 211 feet with 211 sacks.

.....

.....

Bottom plug from 2778 feet to 2728 feet with 18 sacks

Surface plug from 319 feet to 259 feet with 18 sacks

Date of last operations July 17th, 1953.....Total depth 2778'

Nature of liquid in well Mud.....Level from surface 5 feet

Present condition of well in addition to above: Plugged and abandoned.....

.....

.....

An electric log (will be) run. (strike out what is non-applicable)

Program of operation not included above: Top of casing filled with cement. Steel plate welded on top. Casing filled with rocks and 4 sacks of cement. A 2" O.D. steel pipe with name of well marked on it set solidly in concrete block projecting 4' above G.L. Pits filled.

Responsible agents of permittee or lessee in charge of operation:

At well M. Ludrick..... At registered office: Mr. G.W. Hall.....

Postal address Fort Simpson, N.W.T. Postal address 409 - 5 St. W., Calgary, Alta.

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

Dated at Fort River.....this 17th day of July.....1953.

Signed by Mester Ludrick.....

This program is approved subject to the following provisions:

.....

.....

.....

29 July 1953
Date

M.B. Inman
Conservation Engineer

C A N A D A

DEPARTMENT OF RESOURCES AND DEVELOPMENT

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. 462, registered in the name of Lease No.

J. H. Manning

TYPE OF WELL:

Stratigraphic test: .X... Wildcat:
Structure Test: Development:
Anticipated number of holes (Required for Structure Test Only)
Expected total depth: ..2400.....feet.

The well will be located:

..1/4 mile.....(N of S boundary) of (Permit No. 462..) at approx 62° 26'N Lat.
.....(Lease No.....)
..1/4 mile.....(E of W boundary) of (Permit No. 462..) at approx. 123° 16' 15" Long.
.....(Lease No.....)

Survey description of location: East bank of the Mackenzie River opposite the mouth of Root River 62° 26' North Latitude 123° 16' 15" West Longitude

Approximate surface elevation of ...370.....feet above sea level.

Name of well: .British American - Hudson's Bay Root River #1.....

Type of drilling rig:Cardwell Mobil Hoist.....

Expected date of commencement: .July 1, 1953.....

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

Size O.D. inches	Weight lbs/foot	Grade	Brand	New or used	Estimated depth	Sacks of cement
1. ...7...	..20..	J-55	J. & L	.New..	Through Glacial Drift..	.to surface
2. ....	.....	.....	.....	.....	.....	.....
3. ....	.....	.....	.....	.....	.....	.....

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

...Upper and Middle Devonian or Silurian... Controlled by blowout preventers
...and proper weighted drilling mud.....

NOTED IN RECORDS

(over)

An electric log (will) be run.
(~~will not~~)

The well will be drilled by: ... West Territories Oils Ltd. (name of company)

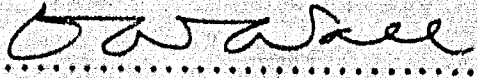
Responsible agents of permittee or lessee in charge of operation:

At well: ... Nestor Ludwick At registered office: Q. N. Hall
General Delivery.

Postal address: Fort Simpson, N.W.T. Postal address: 409 - 3rd St. West, Calgary,
Alberta.

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

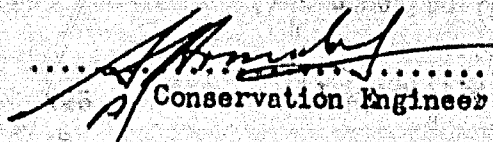
Dated at .. Calgary, Alberta ... this ... 26 day of June 19.53.

Signed by 

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

.....
.....
.....
.....

... 30 June 53
Date

..... 
Conservation Engineer

GEOLOGICAL REPORT

British American - Hudson's Bay Root River #1

GEOLOGICAL REPORT

Name: British American - Hudson's Bay Root River #1

Location: Northwest Territories, District of Mackenzie.
Approx. Longitude - $123^{\circ} 16' W.$
" Latitude - $62^{\circ} 25' N.$

Located on the east bank of the Mackenzie River, 355 feet from the river's edge; directly opposite the mouth of the Root River, the south bank of which, bears $115^{\circ} W.$ of magnetic North from the well. (See sketch).

Elevation: The K.B. elevation is $42.0' \pm 1'$ above the river's level (July 8, 1953) as determined by means of a Brunton pocket transit. River elevation was determined by means of elevations at Fort Simpson and Frigley.

River elevation considered - $525 \pm 1'$
K.B. above river level - $42.0 \pm 1'$

Therefore, K.B. elevation may be considered as $570 \pm 1'$

Status: Dry and Abandoned.

Total Depth: Driller - 2770'
Halliburton - 2760'

Engineer: H. Luciw

Geologist: Russ Wainen

Date Spudded: June 27, 1953.

Abandoned: July 16, 1953.

Hole Diameter: $19 \frac{3}{4}"$ to 35'
" to 264'
 $6 \frac{1}{8}"$ to 2780'

Casing: diameter - 7"
run from 0' to 279' and set with 70 sacks cement.

Logs: Electric - Halliburton - July 16, 1953.

Directional Surveys: None.

Drill stem tests: None.

Cores: None.

Stratigraphic Summary

- 0 - 200' Glacial Drift: sand, gravel, clay and infrequent boulders.
- 200 - 2778' Predominately silts and shales, calcareous, with occasional limestone developments especially a 60' zone at about 2000'. - Simpson Shale.

Lithological Description

Note: 1. no samples logged - lag time determined as 1 minute for each 300 feet at 1500'.

2. no extra bags of samples taken until 1400'.

3. Government samples taken from 300' to total depth.

4. Samples logged dry

As reported by Engineer: 0 - 290'.

0 - 200' Glacial drift - sand, gravel, clay, some boulders.

200' drilling break - faster, steady digging.

200 - 290 Shale, dark gray-green to brown.

290 - 630 Shale, grading to siltstone; the following varieties are described in usual order of abundance - reversing order with depth.

a) Shale, moderately calcareous, micro-miscaceous, slightly carbonaceous, slightly silty, exfoliating in acid, slightly pyritic, medium to dark gray to gray-green, grading to siltstone, or grading to mauve (red) shale.

b) Shale, moderately calcareous, micro-miscaceous, slightly silty, slightly pyritic, exfoliating in acid dark mauve (red when wet), grading into shale described above, or grading to siltstone.

c) Siltstone, occasionally glauconitic, very slightly calcareous, to moderately calcareous, slightly pyritic, slightly carbonaceous, light gray through medium gray to green and gray green. Grading into the two shale types described above, or into a brown, silty limestone.

290 - 2778 Occasional trace gneiss, quartz and granite fragments - presumed introduced through the drilling mud.

290 - 330 trace, limestone, very silty, occasionally fossiliferous, yellow-brown to olive brown, very fine crystalline, tight usually more of a siltstone than a limestone.

290 - 300 gastropod

290 - 300 ostracod in limestone-silt.

290 - 320 fragments of tririd column.

290 - 340 trace siltstone - very calcareous, white to very light gray; cuttings with a chalky appearance; rather soft, tight, many black specks, possibly pyrite.

320 - 330 brachiopod fragment.

320 - 330 trace pyrite.

320 - 420 trace limestone, slightly fossiliferous, white to light gray, coarsely crystalline to very fine sugary-grained, tight, slightly silty, slightly pyritic - grading to calcareous siltstone.

- 330- 340 fragment of gastropod
- 330 - 340 fragment orinoidal column.
- 350 - 360 fragments orinoidal column.
- 350 - 370 trace limestone, fossiliferous (especially orinoid fragments) light brown to gray, usually coarsely crystalline, fossils of reddish color usually.
- 370 - 380 trace pyrite.
- 400 - 470 trace siltstone, calcareous, olive to yellow-brown, tight.
- 410 - 430 trace pyrite.
- 410 - 420 ostracods in siltstone.
- 410 - 910 fragments of orinoidal columns.
- 410 - 420 trace orinoidal limestone grading to siltstone, tight
- 420 - 460 brachiopods fragments.
- 420 - 430 ostracod valve in shale.
- 420 - 440 trace to minor amounts limestone, silty, very light gray, very fine crystalline to very fine granular, slightly pyritic, tight.
- 440 - 340 trace foregoing limestone.
- 440 - 460 trace fossiliferous siltstone.
- 460 - 500 trace siltstone, very calcareous, white to very light gray; chalky appearance; similar to the siltstone from 290-310.
- 470 - 490 minor amounts siltstone, calcareous, yellow-gray to yellow brown, tight occasional grading into limestone.
- 470 - 490 trace pyrite.
- 490 - 630 trace foregoing siltstone.
- 490 - 530 brachiopod fragments.
- 500 - 510 ostracod in limestone.
- 510 - 520 trace ostracod some finely fragmental - bioclastic, tight.
- 510 - 520 bryozoan or coralline fragment.
- 510 - 520 trace siltstone, slightly calcareous, occasionally fossiliferous, massive to micaceous.
- 530 - 630 trace siltstone, as from 460 - 500.
- 540 - 550 trace ostracods in a fine fossiliferous fragmental, tight
- 540 - 550 brachiopod fragment.
- 560 - 590 brachiopod fragments.
- 560 - 580 ostracods in pieces of a fossiliferous fragmental.
- 570 - 580 trace, black sub-bituminous shelly calcareous shale - one piece only, occasional fragments noticed before but not recorded.

- 580 - 590 Ostracod in a light grey crystalline limestone.
- 580 - 630 trace limestone occasionally pyritic, occasionally fossiliferous, silty, very light grey, very fine crystalline, grading to calcareous siltstone, tight.
- 590 - 600 trace black sub-bituminous? limestone - one fragment.
- 590 - 600 trace pyrite.
- 590 - 600 Ostracod in maroon crystalline limestone fragment.
- 600 - 610 Brachiopod fragment.
- 610 - 620 trace black, sub-bituminous? silty limestone - three fragments.
- 600 - 610 trace pyrite.
- 630 - 640 Shale - moderately calcareous, very fine micro-micaceous silty, slightly carbonaceous, slightly pyritic - grading to siltstone - similar to the medium to dark grey shale described at 290' - but not so prone to exfoliate in acid.
- 630 - 640 minor amounts siltstone, calcareous, slightly pyritic, light grey, to dark grey grading to silty limestone - occasionally olive to yellow-brown to pale green in colour.
- 630 - 680 traces to minor amounts limestone, silty, light to medium grey occasionally pyritic - grading to calcareous siltstone. very fine crystalline, tight.
- 630 - 670 trace shale, moderately calcareous, very fine micro-micaceous silty, dark mauve to maroon in colour, exfoliates in acid.
- 630 - 710 minor amounts to traces siltstone as described from 400 - 500.
- 640 - 650 Ostracods in shale, and in fine fossiliferous fragmental.
- 640 - 650 brachiopod fragment.
- 640 - 650 Predominately siltstones as described from 630 - 640.
- 650 - 670 Predominately shales as described from 630 - 640.
- 650 - 660 trace pyrite.
- 650 - 660 Ostracods in grey shale.
- 660 - 670 trace black sub-bituminous? limestone - two fragments.
- 670 - 680 minor amounts maroon shale and siltstone.
- 670 - 680 Shales and siltstones all previously described - a great variety of types and colours - maroon and yellow brown - common.
- 670 - 690 Ostracods in a brown fine fossiliferous fragmental.
- 670 - 680 trace pyrite.
- 680 - 690 Limestone, silty, occasionally pyritic, occasionally fossiliferous, medium to light grey, very fine-grained, tight.
- 680 - 690 minor amounts, shales and siltstones.

- 1000 - 1010 Traces limestone, silty, light to medium gray, very fine crystalline.
- 1000 - 1020 Traces pyrite.
- 1000 - 1010 Pyrite pseudomorph of gastropod?
- 1000 - 1010 Brachiopod fragment in limestone.
- 1010 - 1030 Predominately dark gray, slightly calcareous occasionally pyritic, siltstone, chunky, grading dark grey, calcareous, micro-micaceous, shales.
- 1010 - 1030 Lesser amounts of siltstones, all previously described.
- 1010 - 1030 Minor amounts shale, slightly calcareous, silty, micro-micaceous, occasionally pyritic, slightly carbonaceous, dark grey.
- 1010 - 1020 Brachiopod fragments.
- 1020 - 1030 Brachiopod fragments and ostracods in siltstone.
- 1030 - 1050 Predominately shale, moderately calcareous, micro-micaceous occasionally pyritic, slightly carbonaceous, silty, medium to very dark grey, with occasional amounts of the maroon variety; Exfoliates in acid.
- 1030 - 1050 Lesser amounts of siltstones, slightly calcareous, medium to dark grey, grading to shale.
- 1040 - 1060 Notable amounts (30%) of siltstone, very calcareous, slightly pyritic, argillaceous, frequently fossiliferous, dark grey, with the appearance of a crystalline limestone into which it sometimes grades.
- 1040 - 1070 Brachiopod fragments, ostracods in above mentioned siltstone.
- 1050 - 1060 Grinoidal columnar fragments in above mentioned siltstone - abundant.
- 1050 - 1060 Grinoidal ambularal fragment in above mentioned siltstone.
- 1050 - 1070 Minor amounts maroon shale.
- 1050 - 1060 Trace siltstone described from 1040 - 1060'.
- 1060 - 1060 Trace limestone, very silty, occasionally pyritic, medium to dark grey, grading to siltstone.
- 1060 - 1080 Brachiopod fragments in siltstone.
- 1090 - 1120 Siltstones up to 50%.
- 1100 - 1120 Minor amounts siltstone, very calcareous, occasionally pyritic, occasionally fossiliferous, with mica flakes, dark grey grading to dark grey shale; at times appearing like a crystalline limestone and grading to same.
- 1110 - 1120 Ostracods in fragment of above-mentioned siltstone.
- 1120 - 1150 Traces of above-mentioned siltstone.
- 1120 - 1160 Minor amounts maroon shale.
- 1120 - 1130 Brachiopod fragment.
- 1130 - 1140 Missing.

- 690 - 710 Predominately shales and siltstones all previously described.
- 690 - 700 Brachiopod fragments.
- 690 - 700 trace pyrite.
- 690 - 710 trace limestone as described from 680 - 690.
- 700 - 710 Ostracods in brown crystalline limestone fragment.
- 710 - 720 Limestone, slightly silty, very occasionally pyritic, with occasional minute ramose growths of pyrite, very light grey to medium grey - very fine crystalline grading, at times, into siltstone. tight.
- 710 - 720 minor amounts - shales and siltstones - all previously described.
- 710 - 730 brachiopoda fragments in limestone.
- 720 - 730 Predominately siltstones with some shales and much limestone, silty limestone and calcareous silt.
- 720 - 730 Ostracods in siltstone and limestone.
- 730 - 740 Siltstones - notably micro-micaceous, and olive to yellow-brown in colour.
- 730 - 740 lesser amounts of limestone and shale, all previously described.
- 740 - 760 Limestone, silty, occasionally pyritic, very light grey to medium grey, - very fine crystalline grading at times into siltstone, tight, occasionally fossiliferous.
- 740 - 760 Lesser amounts of shales and siltstones, all previously described.
- 740 - 760 Brachiopod fragments in limestone.
- 740 - 760 Ostracods in limestone.
- 760 - 780 Predominately siltstones with lesser amounts of limestone, and shale.
- 760 - 780 Ostracods in a brown crystalline limestone fragmental.
- 770 - 780 trace limestone, very fossiliferous, fragmental, often with ostracods, brown, tight.
- 770 - 790 Ostracods in grey siltstone.
- 780 - 820 Brachiopod fragments in limestone and siltstone.
- 790 - 820 Limestone as from 740 to 760.
- 790 - 820 Lesser amounts of siltstones and shale.
- 800 - 810 trace pyrite.
- 820 - 840 Siltstone - predominately moderately calcareous, occasionally pyritic, micro-micaceous, somewhat crystalline in appearance, yellow-grey in colour.
- 820 - 840 Lesser amounts of other siltstones, shale and limestone - all previously described.

830 - 840 trace soft red shale - occurring as a mud.

830 - 840 Brachiopod fragments in limestone.

840 - 850 trace pyrite.

840 - 1000 Predominately Siltstone of all types previously described with lesser amounts of shale and limestone.

F.B. The black chert fragments which occasionally occur in the samples are foreign matter from the Hackensie River introduced into the water supply. Black chert is abundant along the shore.

860 - 870 Large amounts of Siltstone similar to that described from 820 - 840'.

860 - 880 Ostracods in fragments of siltstone.

870 - 880 Brachiopods fragments.

880 - 890 Increasing amount of limestone, silty, light to medium grey.

890 - 900 Ostracods in a crystalline limestone fragment.

890 - 900 Brachiopods fragments in siltstone.

900 - 910 Brachiopod fragment in limestone - ostracod in limestone.

910 - 930 Ostracods in siltstone.

920 - 1030 Orinoidal columnar fragments.

920 - 940 Brachiopod fragments in siltstone.

920 - 950 Increasing amounts of limestone silty - light grey, very fine crystalline.

930 - 940 Trace pyrite.

940 - 950 Trace shale, maroon, very soft, occurring partly as mud.

950 - 960 Brachiopod fragments in siltstone and limestone.

950 - 960 Ostracods in siltstone.

960 - 970 Increasing amounts of dark grey silty shale.

970 - 980 Trace black sub-bituminous? silty limestone. three fragments.

970 - 980 Trace pyrite.

970 - 980 Brachiopod fragments in siltstone.

980 - 990 Ostracod in brown crystalline fossiliferous limestone.

990 - 1000 Brachiopod fragment in siltstone.

1000 - 1010 Siltstone, moderately calcareous, slightly pyritic, very light grey, relatively coarse-grained but tight - cuttings rather flakey as compared to the more chunky appearance of the darker grey siltstones.

1000 - 1010 Lesser amounts of medium to dark grey calcareous siltstones.

1000 - 1010 Traces shale - dark grey to maroon - calcareous.

- 1140 - 1150 Siltstones medium to dark grey up to 50%.
- 1140 - 1150 Ostracods in calcareous fossiliferous fragmental.
- 1150 - 1160 Trace limestone, silty, occasionally pyritic, light grey.
- 1150 - 1200 Trace siltstones, moderately calcareous, olive to yellow-brown.
- 1160 - 1170 Brachiopod fragment in light grey siltstones.
- 1160 - 1170 Ostracods in limestone associated with shale.
- 1200 - 1240 Siltstone, up to 60% - predominantly very calcareous, and very dark grey - grading to dark grey shale - often looking like crystalline limestone.
- 1200 - 1220 Brachiopod fragments in siltstone.
- 1210 - 1230 Tentaculites in calcareous siltstone together with ostracods.
- 1210 - 1240 Trace siltstone, very calcareous - looking like limestone, often fossiliferous, brownish-grey.
- 1230 - 1240 Brachiopod fragment.
- 1260 - 1280 Predominantly very dark grey to black shale with lesser amounts of very calcareous siltstone.
- 1270 - 1280 Brachiopod fragment.
- 1290 - 1300 Minor amounts maroon shale.
- 1280 - 1380 Predominantly very dark grey to black shale, micaceous, moderately calcareous, carbonaceous.
- 1290 - 1300 Ostracod in ferruginous fossiliferous limestone fragment.
- 1300 - 1310 Trace maroon shale.
- 1300 - 1380 Minor amounts siltstone light grey to dark grey - slightly calcareous to moderately calcareous - occasionally yellow grey.
- 1310 - 1320 Ostracods in a fossiliferous fragmental - light.
- 1330 - 1350 Trace siltstone - very calcareous to very argillaceous - black to very dark grey, grading into black to very dark grey shale.
- 1350 - 1360 Crinoidal columnar fragment.
- 1340 - 1380 Trace limestone, slightly silty, very slightly pinkish to buff, very fine-grained light.
- 1370 - 1380 Siltstones - 50%.
- 1380 - 1390 Predominantly siltstone, moderately calcareous, micaceous, occasionally pyritic, argillaceous, very dark grey to black grading into black shale.
- 1380 - 1390 Minor amounts very dark grey to black shale.
- 1380 - 1390 Minor amounts light grey to dark grey siltstones - occasionally yellow-grey.

- 1390 - 1400 Predominantly shale; slightly calcareous, carbonaceous, occasionally pyritic, silty, micro-micaceous, very dark gray to black, occasionally maroon variety.
- 1390 - 1440 Trace maroon shale.
- 1390 - 1400 Trace limestone, slightly silty, very light pink to buff tinge.
- 1390 - 1400 Minor amounts siltstones, slightly calcareous to moderately calcareous, light gray to black, occasionally yellow-gray.
- 1400 - 1410 Shale of lighter gray colour appearing.
- 1400 - 1410 Crinoidal columnar fragment.
- 1400 - 1410 Predominantly siltstones - a very heterogeneous mixture - all types previously described, much calcareous siltstone looking like crystalline limestone - dark gray-brown to light gray.
- 1400 - 1410 Minor amounts black to very dark gray shale - with lighter gray shales appearing.
- 1410 - 1440 Black shales again predominant, with lighter gray shales appearing.
- 1410 - 1440 Lesser amounts of siltstones - all previously described.
- 1410 - 1420 Brachiopod fragment.
- 1410 - 1420 Trace soft red shale appearing as nod.
- 1410 - 1420 Trace ferruginous red siltstone - possible oolitic - definitely fragmental.
- 1420 - 1430 Crinoidal columnar fragment.
- 1420 - 1440 Light gray siltstone and yellow-gray siltstone: the predominant siltstones.
- 1420 - 1430 Ostracods in limestones frequent.
- 1430 - 1440 Light to medium gray shale occurring in ever-increasing amounts.
- 1430 - 1440 Brachiopod fragments in silty limestone.
- 1430 - 1440 Trace limestone, very silty, occasionally pyritic, very light gray, grading to siltstone.
- 1440 - 1450 Predominantly siltstone, occasionally with mica, very calcareous, ranging from very dark gray to very light gray. sugary texture. Lesser amounts of other siltstones.
- 1440 - 1450 Minor amounts shale very dark gray to light gray.
- 1450 - 1460 Predominantly black shales previously described with lesser amounts of light to medium gray shales.
- 1450 - 1460 Lesser amounts siltstone - mostly the yellow-brown, light gray and the dark gray to black sugary varieties.

- 1430 - 1520 Trace maroon shale.
- 1450 - 1460 Crinoidal columnar fragment in medium grey shale.
- 1460 - 1470 Trace sandstone, very ferruginous, very calcareous, argillaceous, red to brown, very fine-grained - particles generally rounded to sub-angular. Occasionally fragments of this material have appeared earlier in the hole but were not logged. Occasionally fossiliferous.
- 1460 - 1470 Predominantly medium grey sugary siltstone with lesser amounts of other siltstones and minor amounts of grey and black shales.
- 1460 - 1470 Trace pyrite.
- 1460 - 1470 Brachiopod fragments in siltstone.
- 1470 - 1480 A heterogeneous mixture of almost all shales and siltstones described to date with light to medium grey shales increasing.
- 1480 - 1570 Predominantly medium to light grey shales grading to black shales.
- 1480 - 1570 Lesser amounts of siltstones - quite heterogeneous.
- 1480 - 1490 Brachiopod fragments in grey siltstone.
- 1490 - 1500 Minor amounts siltstone, medium to light grey, slightly calcareous, very fine-grained.
- 1500 - 1530 Brachiopod fragment in grey siltstone.
- 1500 - 1510 Minor amounts siltstone, calcareous, dark to medium grey, sugary.
- 1500 - 1520 Siltstones up to 60%.
- 1510 - 1540 Minor amounts siltstone, medium to light grey, slightly calcareous, fine-grained.
- 1510 - 1530 Fragment crinoidal column in grey siltstone.
- 1520 - 1530 Ostrea in grey siltstone.
- 1520 - 1530 Minor amounts maroon shale.
- 1530 - 1560 Trace maroon shale.
- 1530 - 1540 Trace pyrite.
- 1540 - 1560 Minor amounts siltstone slightly calcareous yellow-grey fine-grained.
- 1550 - 1560 Trace siltstone, calcareous, argillaceous, medium to dark grey, occasionally with mica, sugary, grading to dark grey shale.
- 1560 - 1570 Predominantly dark grey to black micro-micaceous shale.
- 1560 - 1610 Brachiopod fragments in siltstones.
- 1570 - 1580 Predominantly siltstone, very calcareous, argillaceous, occasionally pyritic, occasionally fossiliferous, very dark grey to grey-brown, sugary to crystalline in appearance, occasionally arenaceous with very fine sand (quartz) grains.

- 1570 - 1580 Lesser amounts other siltstones.
- 1570 - 1580 Minor amounts black shale to very dark grey to occasional medium grey shales.
- 1570 - 1580 Occurrence of a bitumen bleb (very hard) in a fossiliferous fragment of "siltstone". The only actual bitumen observed to date. - One fragment only.
- 1570 - 1680 Trace maroon shale.
- 1580 - 1590 Minor amounts sandstone grading to siltstone, slightly ferruginous, moderately calcareous, gray-brown to reddish-grey, often fossiliferous; sand grains- rounded to sub-angular very fine.
- 1580 - 1640 Predominantly Black to very dark grey shale with lesser amounts of siltstones of various types previously described.
- 1590 - 1600 Minor amounts sandstone, just previously described.
- 1590 - 1600 Crinoidal columnar fragments.
- 1590 - 1630 Trace shale, light to medium grey, - a variety of the black shale.
- 1610 - 1640 Increasing amounts of siltstone mostly light to medium grey.
- 1620 - 1630 Brachiopod fragment.
- 1630 - 1640 Light to medium grey shale now as abundant as the black to very dark grey shale.
- 1640 - 1650 Predominantly siltstone - of many types but mainly, slightly calcareous, light to medium grey, very fine-grained.
- 1640 - 1650 Lesser amounts of black to light grey shales.
- 1640 - 1650 Brachiopod fragment.
- 1640 - 1650 Trace pyrite.
- 1650 - 1680 Predominantly black shale with some gray shales.
- 1650 - 1680 Minor amounts siltstones of various types.
- 1660 - 1670 Minor amounts maroon shale.
- 1660 - 1670 Ostracoda in siltstone.
- 1670 - 1680 Trace pyrite.
- 1670 - 1680 Fragment of bitumen looking like black obsidian.
- 1670 - 1680 Trace maroon shale.
- 1670 - 1680 Minor amounts siltstone, very calcareous, very light grey to medium grey very fine-grained at times approaching a silty limestone.
- 1680 - 1730 Predominantly siltstones - mainly, very calcareous, light to dark grey - very fine-grained to crystalline in appearance.
- 1680 - 1730 Lesser amounts black to grey shales.
- 1680 - 1690 N.B. Pelecypod in siltstone.
- 1690 - 1730 Trace maroon shale.
- 1690 - 1700 Shales and siltstones about 50/50.

- 1700 - 1710 Crinoidal columnar fragment.
- 1700 - 1720 Brachiopod fragments in siltstone.
- 1710 - 1720 Shales and siltstones about 50/50.
- 1720 - 1730 Brachiopod fragment.
- 1720 - 1730 Over 50% shales.
- 1720 - 1730 Crinoidal columnar fragment?
- 1730 - 1830 Predominantly shale, black with lesser amounts of light gray to medium gray shale.
- 1730 - 1830 Lesser amounts siltstones, mostly light gray, calcareous, and very fine-grained, occasionally grading to very silty limestone.
- 1730 - 1770 Crinoidal columnar fragments.
- 1730 - 1830 Trace carbon shale.
- 1730 - 1830 Trace limestone, silty, light gray, very fine crystalline, to fine crystalline.
- 1730 - 1760 Trace calcite (traces have occurred before but were not mentioned).
- 1730 - 1770 Brachiopod fragments.
- 1730 - 1770 Minor amounts sandstone, very calcareous, slightly ferruginous, often fossiliferous, reddish-gray to black, very fine-grained tight. Occasionally grading to siltstone, the sand grains are rounded to sub-angular quartz fragments, always coated with ferruginous material - usually black or red in color.
- 1770 - 1790 Trace above mentioned sandstone.
- 1780 - 1790 Trace siltstone moderately calcareous, pale pink to orange, very fine grained.
- 1800 - 1820 Siltstones becoming more calcareous and silty lines more frequent.
- 1800 - 1820 Crinoidal columnar fragments.
- 1800 - 1810 Brachiopod fragment.
- 1810 - 1820 Traces sandstone previously described.
- 1810 - 1820 Brachiopod fragment in limestone.
- 1820 - 1830 Traces siltstone - micaceous, calcareous, pale green - grading to shale.
- 1830 - 1830 Minor amounts siltstone, calcareous, micaceous, yellow-gray, very fine-grained.
- 1840 - 1850 Crinoidal columnar fragments.
- 1840 - 1850 Trace calcite.
- 1850 - 1855 Circulated.

- 1850 - 1860 Siltstone, moderately calcareous, very arenaceous, occasionally pyritic, occasionally fossiliferous, light grey to more commonly medium grey-brown, very dense and tight. The sand (quartz) particles are very fine, and usually quite angular. The general texture is rather sugary, and the siltstone may occasionally grade to a very fine-grained sandstone or a very silty arenaceous limestone.
- 1850 - 1860 Brachiopod fragments in above siltstone.
- 1850 - 1855 Brachiopod fragment in shale.
- 1850 - 1855 Traces grey shales and siltstones.
- 1855 - 1860 Minor amounts grey shales and siltstones. up to 40%.
- 1855 - 1890 Trace maroon shale.
- 1860 - 1890 Predominantly shale, black to very dark grey to medium grey.
- 1860 - 1880 Trace arenaceous siltstone just previously described.
- 1860 - 1890 Minor amounts siltstone of various types - chiefly calcareous, light grey and very fine-grained - occasionally grading to silty limestone.
- 1860 - 1870 Crinoidal columnar fragment.
- 1870 - 1890 Traces siltstone, yellow-grey, very fine-grained.
- 1880 - 1890 Crinoidal columnar fragment.
- 1890 - 1900 Siltstone, extremely calcareous (often grading to silty limestone), often very pyritic, frequently fossiliferous, occasionally arenaceous, dark grey brown, crystalline to sugary appearance, tight.
- 1890 - 1900 Minor amounts grey to black shales and grey to yellow grey siltstones and traces silty light grey limestone.
- 1890 - 1900 Crinoidal columnar fragments in siltstone.
- 1890 - 1910 Brachiopod fragments in siltstone - shell structure often well preserved.
- 1890 - 1910 Occasionally ostracods in siltstone.
- 1890 - 1900 Trilobite genal spine? noted in siltstone.
- 1890 - 1900 Crinoid ambulacral fragment in siltstone.
- 1900 - 1910 Predominantly shale, black to very dark grey, with lesser amounts of medium to light grey shale.
- 1900 - 1910 Minor amounts of siltstone just described.
- 1900 - 1910 Minor amounts of other siltstones (up to 30%) of various types all previously described but predominantly very calcareous, very light grey occasionally grading to limestone, very fine-grained, with traces yellow-grey siltstone.
- 1900 - 1910 Trace maroon shale.

- 1900 - 1910 Trace calcite.
- 1910 - 1920 Siltstone, as described from 1890 - 1900 but, less fossiliferous, less pyritic, less arenaceous.
- 1910 - 1920 Lesser amounts other siltstones, and lesser amounts of dark grey to black shale.
- 1910 - 1920 Brachiopod fragments in siltstone.
- 1920 - 1960 Shale predominantly black to very dark grey, with lesser amounts of medium to light grey shales.
- 1920 - 1950 Lesser amounts siltstones, many varieties but mostly light grey and calcareous grading to silty limestone, also present is some yellow-grey, very fine-grained, slightly calcareous siltstone.
- 1920 - 1930 Trace calcite.
- 1920 - 1960 Trace maroon shale.
- 1930 - 1940 Minor amounts siltstone, as described 1910 - 1920, often grading to silty limestone.
- 1930 - 1940 Minor amounts siltstone, slightly calcareous, pale green, very fine-grained.
- 1940 - 1950 Shale up to 80%, predominantly black; silty/mud 20%.
- 1940 - 1950 Crinoidal Columnar fragments in dark grey shale.
- 1950 - 1960 Large amounts of limestone to siltstone, as described from 1910 - 1920, even less arenaceous and pyritic than before grading more into limestone.
- 1950 - 1960 Ostreod in limestone.
- 1950 - 1960 Brachiopod fragments.
- 1960 - 1970 Limestone, - silty, occasionally pyritic, very occasionally arenaceous, occasionally fossiliferous, argillaceous, very dark brown-grey, very fine-grained to very fine crystalline, tight, flakey.
- 1960 - 1970 Traces dark shales and siltstones.
- 1960 - 1970 Ostreod in limestones.
- 1970 - 2000 Predominantly black to very dark grey shale with smaller amounts of medium to light grey shale.
- 1970 - 2000 Lesser amounts siltstones - varied but mainly light grey to very light green - slightly calcareous, very fine-grained siltstones, occasionally grading to silty limestones.
- 1970 - 2000 Traces maroon shale.
- 1970 - 1980 Brachiopod fragment in limestone.
- 1970 - 1980 Ostreod in siltstone.
- 1970 - 1980 Crinoidal elements in siltstone.
- 1980 - 1990 Brachiopod fragment in siltstone.
- 1990 - 2000 Trace pyrite.
- 1990 - 2000 Limestone, as described from 1960 - 1970.

- 2000 - 2060 Minor amounts dark shales and various siltstones - noticeable are traces of light to olive-green, very fine-grained, micro-micaceous, slightly calcareous, siltstone.
- 2000 - 2050 Occasionally brachiopod fragments in limestones.
- 2010 - 2020 Shales and siltstones up to 60%.
- 2020 - 2050 Note - edges of limestone flakes quite bruised.
- 2030 - 2040 Crinoidal columnar fragments in grey siltstone.
- 2050 - 2060 Brachiopod fragments in limestones more numerous.
- 2060 - 2090 Predominantly shales black to dark grey with lesser amounts of medium to light grey shale.
- 2060 - 2070 Still much limestone as from 2000 - 2060'.
- 2060 - 2090 Trace maroon shale.
- 2060 - 2070 Trace calcite.
- 2060 - 2080 Trace pyrite.
- 2060 - 2090 Minor amounts siltstones of various types - notably: slightly calcareous, very fine-grained, with colours ranging light grey to light green to olive to yellow brown, light grey variety may grade to silty limestone.
- 2060 - 2070 Very fancy segment of crinoidal column - star-shaped with knobs on.
- 2060 - 2080 Brachiopod fragments.
- 2070 - 2080 Trace limestone as described from 2000 - 2060.
- 2080 - 2090 Minor amounts limestone as from 2070 - 2080'.
- 2080 - 2090 Melwood in siltstone.
- 2090 - 2150 Predominantly siltstone, slightly calcareous, micaceous, medium grey, ranging from very dark grey to light grey - grading into fine-grained, dark grey shales on one hand and into fine-grained, light grey, siltstones on the other, rather coarse-grained, dense and tight.
- 2090 - 2150 Lesser amounts of other siltstones, and traces of dark brown limestone as from 2070 to 2080 also traces to minor amounts black and grey very fine-grained shales.
- 2110 - 2120 Siltstone, described as predominantly at 2090' - becoming quite finely arenaceous with occasional pyrite - moderately calcareous.
- 2110 - 2120 Brachiopod fragment in siltstone.
- 2120 - 2130 Lighter coloured phases of coarse-grained siltstone developing
- 2130 - 2140 Much medium grey to dark grey shale - 40%.
- 2130 - 2140 Many fragments of river gravel introduced through the mud.
- 2140 - 2150 Minor amounts of arenaceous siltstone, frequently ferruginous and often red in colour.
- 2140 - 2150 Brachiopod fragments in arenaceous siltstone.

- 2150 - 2210 Predominantly Shale, black to very dark grey, - very fine-grained, micro-micaceous, slightly calcareous - grading to medium grey.
- 2150 - 2160 Lesser amounts of Siltstone - mostly coarse grained - dark to medium grey.
- 2150 - 2210 Trace limestone, silty, grey-brown, fine-grained.
- 2150 - 2160 Brachiopod fragment in grey fine-grained siltstone.
- 2160 - 2210 Trace maroon shale.
- 2160 - 2210 Siltstones becoming finer grained again, but with some siltstone still present (coarse-grained).
- 2170 - 2180 Good slug of black to very dark grey shale.
- 2180 - 2210 Trace siltstone, olive to yellow-grey, very fine-grained slightly calcareous - occasionally light green.
- 2200 - 2210 Brachiopod fragments in crystalline limestone.
- 2200 - 2210 Trace siltstone, white to medium grey - calcareous and coarse-grained, tight.
- 2210 - 2250 Predominantly Siltstone grading to silty shales, medium to slightly calcareous, micaceous, medium to dark grey, ranging from fine-grained siltstone to coarse-grained shale.
- 2210 - 2250 Traces other shales and siltstones.
- 2210 - 2250 Cylindrical columnar fragments.
- 2220 - 2250 Brachiopod fragments.
- 2220 - 2250 Increasing amounts of medium grey siltstone - less micaceous than that described at 2210'.
- 2220 - 2250 Increasing amounts of black very fine-grained flakey shale.
- 2250 - 2350 A heterogeneous mixture of shales and siltstones ranging from black to grey, micaceous, flakey shale through dark grey to medium grey micaceous silty calcareous shales and argillaceous siltstones to light grey fine-grained calcareous siltstones. Dark colours predominate.
- 2250 - 2350 Trace maroon shale (suspect savings)
- 2250 - 2350 Trace yellow-grey slightly calcareous siltstone.
- 2250 - 2350 Trace limestone, silty, light grey to grey-brown.
- 2250 - 2240 Brachiopod fragment in siltstone.
- 2250 - 2260 Trace glauconitic siltstone.
- 2240 - 2250 Many ostracods in a silty limestone fragment.
- 2260 - 2270 Brachiopod fragment in siltstone.
- 2270 - 2280 Fragment of coralline or bryozoan origin - more probably bryozoan.
- 2290 - 2300 Notable amounts of very calcareous, crystalline-appearing, very fine-grained dark-grey siltstone.

- 2300 - 2310 Traces of siltstone as described 2290 - 2300'.
- 2300 - 2310 Crinoidal columnar fragments.
- 2300 - 2310 Brachiopod fragments in siltstone.
- 2310 - 2320 Minor amounts siltstone, very calcareous, occasionally glauconitic, light gray, crystalline in appearance, tight.
- 2320 - 2330 Brachiopod fragment.
- 2350 - 2778 Predominantly shale, very slightly calcareous, slightly carbonaceous, micro-micaceous, very slightly silty, black to very dark gray, very fine-grained (suspect much of this is savings.).
- 2350 - 2778 Lesser amounts other shales and various siltstones.
- 2350 - 2778 Trace maroon shale (savings?)
- 2350 - 2778 Trace siltstone, yellow-gray, slightly calcareous, very fine-grained.
- 2350 - 2778 Minor amounts siltstone, slightly to very calcareous, medium gray to light gray - very fine-grained to crystalline appearance, occasionally sugary in appearance.
- 2350 - 2778 Trace limestone, silty, dark brown-gray to light brown-gray to light gray very fine-grained to crystalline.
- 2350 - 2778 Trace siltstone, slightly calcareous, very fine-grained, glauconitic, pale gray-green.
- 2350 - 2360 Brachiopod fragment.
- 2350 - 2360 Crinoidal columnar fragment.
- 2360 - 2370 Trace pyrite.
- 2360 - 2380 Trace calcite.
- 2370 - 2380 Crinoidal columnar fragment in gray silty limestone.
- 2370 - 2380 Brachiopod fragments.
- 2370 - 2390 Minor amounts siltstone, calcareous, occasionally argillaceous, medium gray to white, very sugary appearance - the gray siltstone. Show occasionally lamination and one fragment of the white siltstone occurred with gray micro-micaceous shale attached.
- 2380 - 2390 Trace pyrite.
- 2380 - 2390 Trace ostracods in limestone.
- 2390 - 2400 Trace siltstone, slightly ferruginous, slightly calcareous, red-brown to pinkish-gray, usually very fine-grained.
- 2390 - 2430 Brachiopod fragments.
- 2400 - 2490 Siltstones more than 50%.
- 2400 - 2460 Crinoidal columnar fragments.
- 2410 - 2420 Ostracods in crystalline limestone.

- 2410 - 2420 Trace ferruginous slightly calcareous, brown-orange, very fine-grained - rather soft.
- 2420 - 2430 Bryozoa fragment?
- 2420 - 2430 Trace pyrite.
- 2420 - 2430 Ostracods in siltstone.
- 2440 - 2450 Trace bitumen band in grey shale - one fragment only.
- 2440 - 2450 Trace siltstone as described from 2390 - 2400'.
- 2470 - 2480 Trace calcite.
- 2470 - 2480 Ostracods in crystalline limestone.
- 2470 - 2480 Trace bitumen in a ferruginous crinoidal fragmental - one fragment.
- 2470 - 2530 Crinoidal columnar fragments.
- 2480 - 2500 Trace siltstone as described 2410-2420'.
- 2480 - 2500 Branchioid fragments.
- 2490 - 2500 Ostracod in siltstone.
- 2490 - 2500 Trace siltstone described 2390 - 2400'.
- 2500 - 2510 Minor amounts siltstone described 2390-2400' - more ferruginous.
- 2500 - 2510 Trace bitumen in pyritic siltstone - one fragment.
- 2510 - 2550 Trace siltstone described 2500 - 2510'.
- 2520 - 2550 Trace calcite.
- 2530 - 2540 Minor amounts siltstone, slightly calcareous, medium to light grey, coarse-grained and sugary in appearance.
- 2540 - 2550 Crinoidal columnar fragments.
- 2550 - 2560 Trace siltstone as described 2390 - 2400'.
- 2560 - 2580 Siltstones over 50%.
- 2570 - 2590 Crinoidal columnar fragments.
- 2580 - 2590 Minor amounts siltstone as described 2390 - 2400'.
- 2580 - 2590 Trace pyrite.
- 2590 - 2600 Ostracod in siltstone.
- 2590 - 2600 Branchioid fragments.
- 2600 - 2610 Trace pyrite.
- 2620 - 2650 Branchioid fragments.
- 2640 - 2650 Trace pyrite.
- 2650 - 2680 Crinoidal columnar fragments.
- 2660 - 2710 Shales well over 60% (many savings?)
- 2660 - 2670 Trace pyrite.

- 2680 - 2690 Brachiopod fragment.
- 2680 - 2700 up to 80% black to very dark grey micro-micaceous shale.
- 2710 - 2720 Minor amounts siltstone extremely calcareous, slightly micaceous, grey-brown, crystalline to sugary in texture, coarse-grained for silt. Silt composed of fine angular quartz particles.
- 2710 - 2720 Trace bitumen associated with pyrite - one fragment
- 2720 - 2730 Brachiopod fragments.
- 2740 - 2750 Trace siltstone as described 2350 - 2400'.
- 2740 - 2760 Grinoidal columnar fragment.
- 2740 - 2778 Brachiopod fragments.
- 2760 - 2770 Ostracod in yellow siltstone.
- 2770 - 2778 Perfect internal siltstone cast of pelecypod.
- 2775 - 2778 Circulated.

T. D. 2778' in Grey Shales and Siltstones.

AREA 8 PROV CAMSELL BEND DISTRICT OF MACKENZIE NWI COMPANY BRITISH AMERICAN OIL CO. LTD

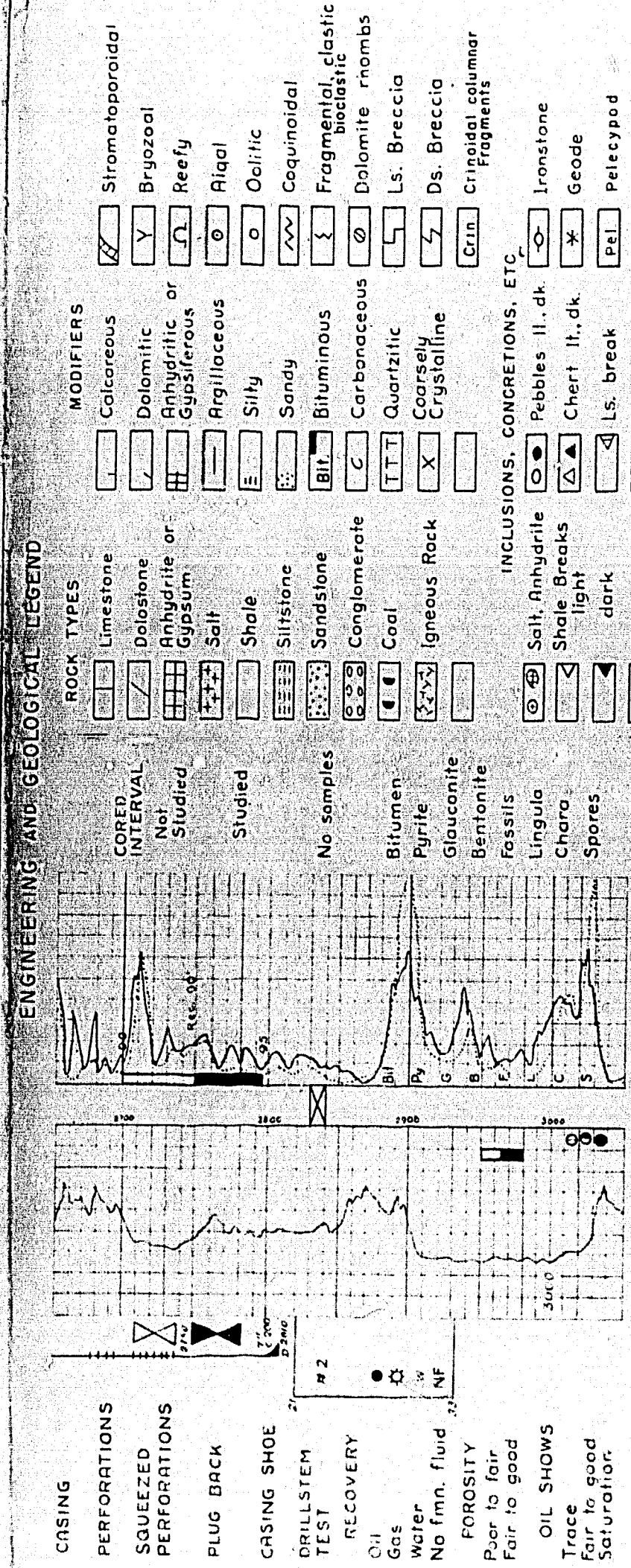
WELL LOG & HISTORY

WELL NAME & NO. BRITISH AMERICAN - HUDSON'S BAY ROOT RIVER #1
LOCATION LSD SEC TP RG W M CO-ORDS 62° 25' N 103° 39' 16" W
ELEVATIONS GROUND X B 385' ±
TOTAL DEPTH 2778' PLUGGED BACK TO

DATE SPUNDED JUNE 27, 1953 DATE COMPLETED DRILLING DATE ABANDONED JULY 16, 1953
DATE ON PRODUCTION PRODUCTIVE ZONE AND INTERVAL INITIAL POTENTIAL D B A
API GR

RECORD OF TESTING

NO D.S.T.'S



ENGINEERING DATA

GEOLOGIC DATA
LOGGED BY RUSS, WAINES
DATE JULY 1953

K B 385' ±

Surface marked, pumiliost, clay, sands, silts, gravels and boulders.

Sands and Silts: wacc gravels, clays, and boulders.

Basal boulders, sands and gravels
Erosion Top Simpson Formation 200'

200-600: Sh, calc, mnc, sl carb, silt v silty grading to siltst, sl pr, exfoliating in acid, med to dk green or gray green
600-1110: Alternating developments of Sh, Ls and siltst, described as follows:
Sh: calc, mnc, sl carb, occ silty, grading to siltst, occ pyric, med to dk gy, occ maroon.
Ls: silty, occ pyric, occ argil, occ fossil, argy to med gy to brown, v. l. sh, tight, occ grading to silt st.
Siltst: calc, sil pyric, occ mnc, occ argil, med to dk gy, occ yellow gy, f to red g.

1110-1990: Predom. mnc, sil carb, siltst, described as follows:
Sh: sil carb, mnc, occ pyric, sil carb, occ silty, exfoliating in acid, med to vdk gy, v. occ maroon, v. argy.
Siltst: calc, occ argil, occ mnc, v. occ pyric, med to dk gy, occ yellow-gray, v. occ grading to brown, silty Ls, med to coarse g, occ green grading to SS.

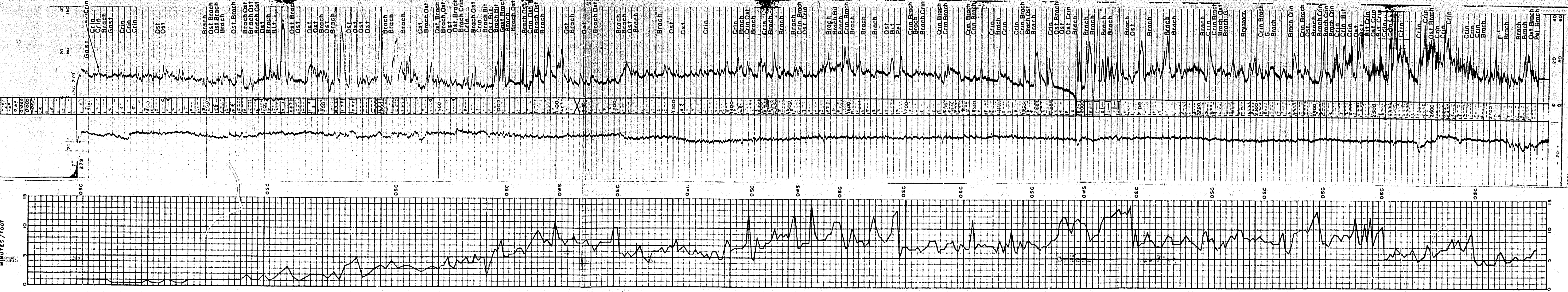
1990-2065: Ls, silty, occ argy, occ pyric, argil, occ fossil, v. dk brown-gy, v. l. sh, tight, flakey, v. occ sh-silt breaks near top.

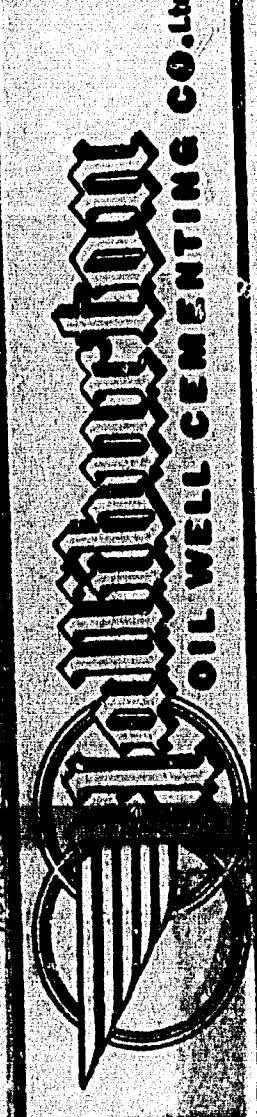
2065-2780: Alternating Shs, B, siltst, described as follows:
Sh: v. sil carb, sil carb, occ silty mnc vdk gy, v. argy.
Siltst: calc, occ argy, occ mnc, v. occ pyric, med to dk gy, occ yellow-gray, v. occ grading to brown, silty Ls, med to coarse g, occ green grading to SS.

2780-2778: Tr, ferrug siltst, B SS.

Total Depth - 2780' in Simpson Formation.

TIME DRILLING LOG
MINUTES / FOOT





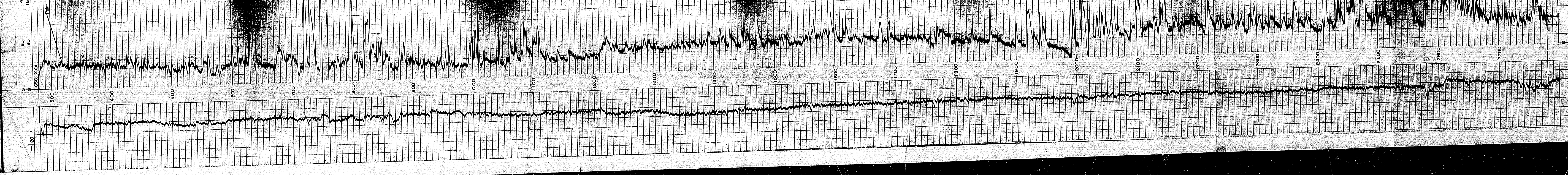
OIL WELL CEMENTING CO. LTD.

ELECTRIC WELL LOG

Location	COMPANY PETCAL LTD.	FILE
	WELL BA - HUDSON'S BAY ROOT RIVER #1	
	FIELD EAST BANK of MCKENZIE RIVER	
	PROVINCE N.W.T.	LSD.
	SEC TWP RGE W	
	SURVEY	
Log Measured From	KELLY BUSHING	Elevation Approx. 370'
Drilling Measured From	"	Elevation "
Permanent Datum	"	Elevation "
Run No.	ONE	
Date	JULY 16/53	
Footage Logged	2501'	
Total Depth, El. Log	2780'	
Total Depth, Driller	2780'	
Csg. Shoe, El. Log	279'	
Csg. Shoe, Driller	279'	
Csg. Size	6 1/8"	
Bit Size	6 1/8"	
Mud Kind	WATERBASE	
Treatment	QUERRACHO	
Weight		
Viscosity	40	
Ph		
Resist Ohms/m		
Loss ml/30 min		
Max Temp		
Electrode Spacing	7' Point	
Short		
Medium		
Long		
Recorded by	SALT	
Witnessed by	R. WAINES	

REMARKS OR OTHER DATA

NOT AVAILABLE



PETCAL LTD
BA - HUDSON'S BAY ROOT RIVER #1
N.W.T.
K.B. Elev. - Approx. 370'

T.D. LOGGED 2780'
T.D. DRILLER 2780'

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field Root River Wildcat Lease B-1 & N.B. Root River Well No. 1 Date July 20/53
 District Western Canada Prov. Alberta Contractor Petrol.
 Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other
 Last Casing: Elevation: Depths Below
 Size: G.L. Are From:
 Set at K.B. K.B. ☐ K.B. ☐ G.L. ☐ Other
 Drill Pipe Size:
 Steel Line Measurement:
 Former Depth:
 Corrected Depth:

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA				FORMATION OR CORE RECORD									
												Mud Wt.	Bit Run No.	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:
12 m to 1 am												Mud Wt.	Bit Run No.	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:
1 am to 2 am											2 Landing barges	Viscosity	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
2 am to 3 am											unloaded and made	Water Loss	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
3 am to 4 am											return trip to Root	pH	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
4 am to 5 am											River to inland	Filtercake	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
5 am to 6 am												Number Reg. Men	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
6 am to 7 am												Hole Made	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
7 am to 8 am												Driller: <u>R. Parker</u>	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
8 am to 9 am												Mud Wt.	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
9 am to 10 am												Viscosity	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
10 am to 11 am												Water Loss	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
11 am to 12 n												pH	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
12 n to 1 pm												Filtercake	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
1 pm to 2 pm												Number Reg. Men	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
2 pm to 3 pm												Hole Made	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
3 pm to 4 pm												Driller: <u>L. M. every</u>	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
4 pm to 5 pm												Mud Wt.	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
5 pm to 6 pm												Viscosity	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
6 pm to 7 pm												Water Loss	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
7 pm to 8 pm												pH	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
8 pm to 9 pm												Filtercake	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
9 pm to 10 pm												Number Reg. Men	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
10 pm to 11 pm												Hole Made	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
11 pm to 12 m												Driller:	Bit Size	Bit Type	Ser. No.	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Depth at End Tour	Driller:	Driller:	Driller:	Driller:	
Totals											GRAND TOTAL:	Hours	Approved:	Dist. Supt.	Signed:										

DAILY DRILLING REPORT

Field Post River Wildcat Lease BOYHO Post River Well No. 1 Date July 19/53
 District Western Canada Prov. W. B. C. Contractor Pitcair Ltd.
 Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other
 Last Casing: _____ Elevation: _____ Depths Below _____
 Size: _____ G.L. Are From: _____
 Set at _____ K.B. _____ K.B. _____
 Drill Pipe Size _____ Steel Line Measurement: _____
 Former Depth _____ Corrected Depth _____

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA			FORMATION OR CORE RECORD		
												Mud Wt.	Bit Run No.	Depth	Recovery	Formation	
12 m to 1 am																	
1 am to 2 am																	
2 am to 3 am																	
3 am to 4 am																	
4 am to 5 am																	
5 am to 6 am																	
6 am to 7 am																	
7 am to 8 am																	
8 am to 9 am																	
9 am to 10 am																	
10 am to 11 am																	
11 am to 12 n																	
12 n to 1 pm											Lunch hour						
1 pm to 2 pm																	
2 pm to 3 pm																	
3 pm to 4 pm																	
4 pm to 5 pm																	
5 pm to 6 pm																	
6 pm to 7 pm											2 loaded sandline barrels						
7 pm to 8 pm											provided						
8 pm to 9 pm											equipment to						
9 pm to 10 pm											Load Mt.						
10 pm to 11 pm																	
11 pm to 12 m																	
Totals											GRAND TOTAL:	Hours	Approved: <u>John Smith</u>	Dist. Supt.	Signed: <u>John Smith</u>		

THE BRITISH-AMERICAN OIL COMPANY LTD.
DAILY DRILLING REPORT

Field Rest River, Wilbert Rest River #1 Well No. 1 Date July 18/53
District Western Canada Prov. N.W.S. Contractor Petrol
Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other
Last Casing: Elevation: _____ Depths Below _____ Steel Line Measurement: _____
Size: _____ G.L. Are From: _____ Former Depth: _____
Set at: _____ K.B. _____ K.B. _____ Corrected Depth: _____

Operations (See Instructions)	Trip with D.P.	Drilling	Running	Coring	Run Elec. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA	FORMATION OR CORE RECORD			
12 m to 1 am												Mud Wt.	Bit Run No.	From To	Recovery	Formation
1 am to 2 am												Viscosity	Bit Size			
2 am to 3 am												Water Loss	Bit Type			
3 am to 4 am												pH	Ser. No.			
4 am to 5 am												Filtercake	Slope Test			
5 am to 6 am												Number Reg. Men	Extra Men	Man Hrs.		
6 am to 7 am												Hole Made	Depth at End Tour			
7 am to 8 am												Driller: <u>R. Parker</u>				
8 am to 9 am												Mud Wt.	Bit Run No.			
9 am to 10 am												Viscosity	Bit Size			
10 am to 11 am												Water Loss	Bit Type			
11 am to 12 n												pH	Ser. No.			
12 n to 1 pm												Filtercake	Slope Test			
1 pm to 2 pm												Number Reg. Men	Extra Men	Man Hrs.		
2 pm to 3 pm												Hole Made	Depth at End Tour			
3 pm to 4 pm												Driller: <u>L.M. Green</u>				
4 pm to 5 pm												Mud Wt.	Bit Run No.			
5 pm to 6 pm												Viscosity	Bit Size			
6 pm to 7 pm												Water Loss	Bit Type			
7 pm to 8 pm												pH	Ser. No.			
8 pm to 9 pm												Filtercake	Slope Test			
9 pm to 10 pm												Number Reg. Men	Extra Men	Man Hrs.		
10 pm to 11 pm												Hole Made	Depth at End Tour			
11 pm to 12 m												Driller:				
Totals												GRAND TOTAL:	Hours	Approved: <u>L. J. Russell</u>	Dist. Supt.	Signed: <u>L. J. Russell</u>

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field Root River N.W. 1/4-20 Lease B. A. & H. B. Root River Well No. 1 Date July 17/53
 District WESTERN CANADA Prov. N.W.T. Contractor Perical, Ltd.
 Type rig: ☒ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other
 Last Casing: _____ Elevation: _____ Depths Below _____
 Size: 2" _____ G.L. _____ Are From: _____ Former Depth _____
 Set at 279 K.B. _____ K.B. _____ ☒ G.B. ☐ G.L. _____ Corrected Depth _____

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA	FORMATION OR CORE RECORD		
12 m to 1 am											N-O-C	Mud Wt.	Bit Run No.	Depth	
1 am to 2 am												Viscosity	Bit Size	Recovery	
2 am to 3 am												Water Loss	Bit Type	Formation	
3 am to 4 am												pH	Ser. No.		
4 am to 5 am												Filtercake	Slope Test		
5 am to 6 am												Number Reg. Men 4	Extra Men	Man Hrs. 8	
6 am to 7 am												Hole Made	Depth at End Tour		
7 am to 8 am												Driller: D. Parker			
8 am to 9 am											Field plug	Mud Wt.	Bit Run No.	Bit Run No.	
9 am to 10 am											at 248'	Viscosity	Bit Size	Recovery	
10 am to 11 am												Water Loss	Bit Type	Formation	
11 am to 12 n											Rig released	pH	Ser. No.		
12 n to 1 pm											Turning down	Filtercake	Slope Test		
1 pm to 2 pm												Number Reg. Men 8	Extra Men	Man Hrs. 6 1/2	
2 pm to 3 pm												Hole Made	Depth at End Tour		
3 pm to 4 pm												Driller: L. M. Goss			
4 pm to 5 pm												Mud Wt.	Bit Run No.	Bit Run No.	
5 pm to 6 pm												Viscosity	Bit Size	Recovery	
6 pm to 7 pm												Water Loss	Bit Type	Formation	
7 pm to 8 pm												pH	Ser. No.		
8 pm to 9 pm												Filtercake	Slope Test		
9 pm to 10 pm												Number Reg. Men 8	Extra Men	Man Hrs. 1/2	
10 pm to 11 pm												Hole Made	Depth at End Tour		
11 pm to 12 m												Driller:			
Totals											GRAND TOTAL:	Hours	Approved:	Dist. Supt.	Signed:

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field Root River Wildcat Lease B.H.E.H.B. Root River Well No. 1 Date July 16/53
 District WESTERN CANADA Prov. N.W.T. Contractor Petrol Ltd.
 Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other
 Last Casing: _____ Elevation: _____
 Size: 2" G.L. _____
 Set at: 279' K.B. _____
 Driller: ☒ K.B. ☐ G.L. ☐ _____
 Drill Pipe Size 3 1/2"
 Steel Line Measurement: _____
 Former Depth: _____
 Corrected Depth: _____

DRILLER'S REMARKS

DRILLER'S DATA

FORMATION OR CORE RECORD

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elec. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	Type rig: ☐ Rotary ☐ Cable	Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other	Drill Pipe Size: <u>3 1/2</u>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
											Last Casing: <u>7"</u>	Elevation: <u>G.L.</u>	Depths Below Are From: <u>K.B.</u>	Steel Line Measurement: <u>Corrected Depth</u>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Size: <u>279'</u> K.B.												Set at: <u>279'</u> K.B.		FORMATION OR CORE RECORD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field Root River Wild cat Locs B.R.E.H.B. Root River Well No. 1 Date July 15/53
 District Western Canada Prov. Alberta Contractor Petrol
 Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other
 Last Casing: _____ Elevation: _____ Depths Below _____
 Size: 2" _____ G.L. _____ Are From: _____
 Set at 278' K.B. _____ K.B. _____ Corrected Depth _____

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA	FORMATION OR CORE RECORD		
12 m to 1 am		1										Mud Wt. 10.6	Bit Run No. _____	Depth at End Tour _____	
1 am to 2 am		1										Viscosity 38	Bit Size _____	Recovery _____	
2 am to 3 am		1										Water Loss 10	Bit Type _____	Formation _____	
3 am to 4 am		1										pH _____	Ser. No. _____		
4 am to 5 am		1										Filtercake 3/32	Slope Test _____		
5 am to 6 am		1										Number Reg. Men 4	Extra Men _____	Man Hrs. 12	
6 am to 7 am		3/4							1/4			Hole Made 73	Depth at End Tour 2638		
7 am to 8 am		1										Driller: D. Parker			
8 am to 9 am		3/4							1/4		Services R. g.	Mud Wt. 10.6	Bit Run No. _____	Mixed 10 sxs Gel	
9 am to 10 am		1										Viscosity 40	Bit Size _____		
10 am to 11 am									1		Mix mud	Water Loss _____	Bit Type _____		
11 am to 12 n									1			pH _____	Ser. No. _____		
12 n to 1 pm		1										Filtercake _____	Slope Test _____	COMPANY REPRESENTATIVE'S SUMMARY	
1 pm to 2 pm		1										Number Reg. Men 4	Extra Men _____	Man Hrs. 12	
2 pm to 3 pm		1/2	1/4						1/4		Circ. Trip	Hole Made 32	Depth at End Tour 2670	Drilled 68" hole to 2700	
3 pm to 4 pm		1/4										Driller: R.M. Garry		Shale & Silt stone	
4 pm to 5 pm		3/4							1/4		Tighten clutch on rig	Mud Wt. 10.5	Bit Run No. _____	(Simpson formation)	
5 pm to 6 pm		1/4										Viscosity 40	Bit Size _____		
6 pm to 7 pm		1/4	1/2						1/4		Circ.	Water Loss 10	Bit Type _____		
7 pm to 8 pm		1										pH _____	Ser. No. _____		
8 pm to 9 pm		1/2							1/2		Ser. Rg	Filtercake 3/32	Slope Test _____		
9 pm to 10 pm		1										Number Reg. Men 4	Extra Men _____	Man Hrs. 12	
10 pm to 11 pm		1										Hole Made 55	Depth at End Tour 2725		
11 pm to 12 m		1										Driller: D. Parker			
Totals											GRAND TOTAL:	Hours _____	Approved: _____	Dist. Supt. _____	Signed: _____

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field Pout River Wild Cat Lease B.A.E.H.B. Root River Well No. 1 Date July 14/53
 District WESTERN CANADA Prov. N.W.T. Contractor PETROL LTD.
 Type rig: ☒ Rotary ☐ Cable Fuel Used: ☐ Gas ☒ Diesel ☐ L.P.G. ☐ Other
 Last Casing: 7" Elevation: _____ Depths Below _____
 Size: 22" G.L. Are From: _____
 Set at 22" K.B. K.B. ☒ K.B. ☐ G.L. Corrected Depth _____

Opera (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA	FORMATION OR CORE RECORD		
12 m to 1 am		1										Mud Wt. 11.4	Bit Run No. 20	Depth 6' 4"	
1 am to 2 am		1										Viscosity 28	Bit Size 6 1/8	Recovery	
2 am to 3 am		1										Water Loss 6.6	Bit Type OSC	Formation	
3 am to 4 am		1										pH	Ser. No. 72089		
4 am to 5 am		1										Filtercake 3/32	Slope Test *		
5 am to 6 am		1/2								1/2	Mixed mud	Number Reg. Men 4	Extra Men Man Hrs. 12		
6 am to 7 am		1										Hole Made 47	Depth at End Tour 22' 83"		
7 am to 8 am		1										Driller: D. Parker			
8 am to 9 am		3/4								1/4	Service Rig	Mud Wt. 10.8	Bit Run No. 20		
9 am to 10 am		1										Viscosity 35	Bit Size 6 1/8		
10 am to 11 am		1/2								1/2	Mix mud	Water Loss 10	Bit Type OSC		
11 am to 12 n		3/4								1/4		pH	Ser. No. 72089	72107	
12 n to 1 pm		1										Filtercake	Slope Test *		
1 pm to 2 pm		1										Number Reg. Men 4	Extra Men Man Hrs. 12		
2 pm to 3 pm		3/4								1/4	Circ. Trip	Hole Made 32	Depth at End Tour 20' 10"		
3 pm to 4 pm		1										Driller: R.M. Goetz			
4 pm to 5 pm		1										Mud Wt. 10.8	Bit Run No. 21		
5 pm to 6 pm		1/4	1/2							1/4	Laid down 2 singles	Viscosity 35	Bit Size 6 1/8		
6 pm to 7 pm		1										Water Loss 10	Bit Type OSC		
7 pm to 8 pm		1										pH	Ser. No. 72107		
8 pm to 9 pm		3/4								1/4	Mix mud	Filtercake 3/32	Slope Test *		
9 pm to 10 pm		1										Number Reg. Men 4	Extra Men Man Hrs. 12		
10 pm to 11 pm		1										Hole Made 40	Depth at End Tour 20' 65"		
11 pm to 12 m		1										Driller: R.M. Goetz			
Totals											GRAND TOTAL:	Hours	Approved: <u>[Signature]</u>	Dist. Supt.	Signed: <u>[Signature]</u>

DAILY DRILLING REPORT

Field Root River Wildcat Lease BAEHS Root River Well No. 1 Date July 13/53
 District WESTERN CANADA Prov. N.W.T. Contractor Petrol
 Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other
 Last Casing: Elevation: Depths Below
 Size: 7" G.L. Are From:
 Set at 274' K.B. K.B. 274' K.B. 274' K.B.
 Drill Pipe Size 3 1/2
 Steel Line Measurement:
 Former Depth 2313
 Corrected Depth 2313

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA	FORMATION OR CORE RECORD	
12 m to 1 am	1											Mud Wt. 11.7	Bit Run No. 19	Depth 2313
1 am to 2 am	1/2										Circ	Viscosity 12	Bit Size 6 1/8	2313
2 am to 3 am	1											Water Loss 6.6	Bit Type OSC	2313
3 am to 4 am	1											pH	Ser. No. 71685	2313
4 am to 5 am	1											Filtercake 2/32	Slope Test *	2313
5 am to 6 am	1											Number Reg. Men 4	Extra Men Man Hrs. 12	2313
6 am to 7 am	1											Hole Made 47	Depth at End Tour 2360	2313
7 am to 8 am	1											Driller: D. P. G. 12		2313
8 am to 9 am	3/4										Service Rig	Mud Wt. 11.7	Bit Run No. 19	2313
9 am to 10 am	1											Viscosity 43	Bit Size 6 1/8	2313
10 am to 11 am	1											Water Loss 5.6	Bit Type OSC	2313
11 am to 12 n	1											pH	Ser. No. 71685	2313
12 n to 1 pm	1											Filtercake 2/32	Slope Test *	2313
1 pm to 2 pm	1											Number Reg. Men 4	Extra Men Man Hrs. 12	2313
2 pm to 3 pm	1											Hole Made 44	Depth at End Tour 2404	2313
3 pm to 4 pm	1											Driller: P. M. G. 12		2313
4 pm to 5 pm	1/2										Trip Circ	Mud Wt. 11.4	Bit Run No. 20	2313
5 pm to 6 pm	1											Viscosity 39	Bit Size 6 1/8	2313
6 pm to 7 pm	1											Water Loss 6 1/8	Bit Type OSC	2313
7 pm to 8 pm	1											pH	Ser. No. 72080	2313
8 pm to 9 pm	1/2											Filtercake 2/32	Slope Test *	2313
9 pm to 10 pm	1											Number Reg. Men 4	Extra Men Man Hrs. 12	2313
10 pm to 11 pm	1											Hole Made 32	Depth at End Tour 2436	2313
11 pm to 12 m	1											Driller: D. P. G. 12		2313
Total											GRAND TOTAL:	Hours	Approved: <u>P. M. G. 12</u>	Dist. Supt. Signed: <u>H. P. G. 12</u>

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field Root River Wildcat Lease B.A.E.H.B. Root River Well No. 1 Date July 12
 District Western Canada Prov. N.W.T. Contractor Petrol
 Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☒ Diesel ☐ L.P.G. ☐ Other
 Last Casing: Elevation: 2085 Depths Below
 Size: 4" G.L. Are From:
 Set at 279' K.B. K.B. ☒ K.B. ☐ G.L. ☐ S.G.L.
 Drill Pipe Size 3 1/2"
 Steel Line Measurement:
 Former Depth 2313.33
 Corrected Depth 2313.33

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA	FORMATION OR CORE RECORD	
12 m to 1 am	1/4	3/4										Mud Wt. 11.6	Bit Run No. 17	2313.33
1 am to 2 am	1											Viscosity 44	Bit Size 6 1/8	2313.33
2 am to 3 am	1											Water Loss 6.2	Bit Type OSC	2313.33
3 am to 4 am	3/4	1/4										pH	Ser. No. 72105	2313.33
4 am to 5 am	1											Filtercake 3/2	Slope Test *@	2313.33
5 am to 6 am	1											Number Reg. Men 4	Extra Men Man Hrs. 72	2313.33
6 am to 7 am	1											Hole Made 39	Depth at End Tour 2249	2313.33
7 am to 8 am	1											Driller: D. Parker	Mixed	25' Drift.
8 am to 9 am	3/4								1/4	Service rig		Mud Wt. 11.8	Bit Run No. 18	10' Castor.
9 am to 10 am	1											Viscosity 46.3	Bit Size 6 1/8	
10 am to 11 am	1											Water Loss 5.6	Bit Type OSC	
11 am to 12 n	1											pH	Ser. No. 72249	
12 n to 1 pm	1											Filtercake 3/2	Slope Test *@	
1 pm to 2 pm	1/2								1/2	Level up table		Number Reg. Men 4	Extra Men Man Hrs. 12	COMPANY REPRESENTATIVE'S SUMMARY
2 pm to 3 pm	1											Hole Made	Depth at End Tour	Drilled 6 1/2" hole to 2313' Shale
3 pm to 4 pm	1											Driller: R.M. Goetz		S.I.M. at 2313' = 2313'
4 pm to 5 pm	1											Mud Wt.	Bit Run No. 19	Mark - first run up
5 pm to 6 pm	1											Viscosity	Bit Size 6 1/8	electric log unit to work
6 pm to 7 pm	1/2								1/2	Run		Water Loss	Bit Type OSC	save all necessary par
7 pm to 8 pm	1											pH	Ser. No. 72249	was there. Electric log
8 pm to 9 pm	1											Filtercake	Slope Test *@	was not developed.
9 pm to 10 pm					1							Number Reg. Men 4	Extra Men Man Hrs.	
10 pm to 11 pm					1							Hole Made 16	Depth at End Tour 2313'	
11 pm to 12 m					1							Driller: R.M. Goetz		
Totals											GRAND TOTAL:	Hours	Approved: J. L. Powell	Dist. Supt. Signed: J. L. Powell

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field Rust River Udden Lease B.P.E. H.B. Rust River Well No. 1 Date July 11
 District Missouri Prov. N.W. Contractor Petrol
 Type rig: ☒ Rotary ☐ Cable Fuel Used: ☐ Gas ☒ Diesel ☐ L.P.G. ☐ Other
 Last Casing: _____ Elevation: _____ Depths Below _____
 Size: 7" _____ G.L. _____
 Set at 229' K.B. _____ K.B. _____
 Drill Pipe Size 3 1/2"
 Steel Line Measurement: _____
 Former Depth: _____
 Corrected Depth: _____

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA	FORMATION OR CORE RECORD		
12 m to 1 am	/											Mud Wt. 11.6	Bit Run No. 16	Formation	
1 am to 2 am	/											Viscosity 46	Bit Size 6 1/8		
2 am to 3 am	/											Water Loss 7	Bit Type OWS OSC		
3 am to 4 am	3/4	1/4										pH	Ser. No. 71912 72105		
4 am to 5 am	/											Filtercake 3/32	Slope Test @		
5 am to 6 am	/											Number Reg. Men	Extra Men Man Hrs. 12		
6 am to 7 am	1/4	1/4										Hole Made 23	Depth at End Tour 2093'		
7 am to 8 am												Driller: D. Parker			
8 am to 9 am	3/4									1/4	Service	Mud Wt. 11.7	Bit Run No. 17		
9 am to 10 am	/											Viscosity 43	Bit Size 6 1/8		
10 am to 11 am	/											Water Loss 7	Bit Type OSC		
11 am to 12 n	/											pH	Ser. No. 72105		
12 n to 1 pm	/											Filtercake 3/32	Slope Test @		
1 pm to 2 pm	1/4									3/4	Mixing mud	Number Reg. Men 4	Extra Men Man Hrs. 12		
2 pm to 3 pm	/											Hole Made 58	Depth at End Tour 2151		
3 pm to 4 pm	/											Driller: L. M. Goring			
4 pm to 5 pm	/											Mud Wt. 11.6	Bit Run No. 17		
5 pm to 6 pm	/											Viscosity 44	Bit Size 6 1/8		
6 pm to 7 pm	/											Water Loss 6.2	Bit Type OSC		
7 pm to 8 pm	/											pH	Ser. No. 72105		
8 pm to 9 pm	/											Filtercake 3/32	Slope Test @		
9 pm to 10 pm	/											Number Reg. Men 4	Extra Men Man Hrs. 12		
10 pm to 11 pm	/											Hole Made 59	Depth at End Tour 2210		
11 pm to 12 m	/											Driller: L. M. Goring			
Totals															

GRAND TOTAL:

Hours

Approved: L. M. Goring

Dist. Supt.:

Signed: H. L. L. L.

DAILY DRILLING REPORT

Field East River Wharves Lease B.D.E.H.B. Red River Well No. 1 Date July 10/23
 District Alberta Canada Prov. N.W.T. Contractor Petrol
 Type rig: ☒ Rotary ☐ Cable Fuel Used: ☐ Gas ☒ Diesel ☐ L.P.G. ☐ Other
 Last Casing: _____ Elevation: _____ Depths Below _____
 Size: 7" _____ G.L. _____ Are From: _____ Former Depth _____
 Set at 278' K.B. _____ K.B. _____ Corrected Depth _____

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA	FORMATION OR CORRECORD		
12 m to 1 am		1										Mud Wt. 11.8	Bit Run No. 11.8		
1 am to 2 am		1										Viscosity 42	Bit Size 6 1/8		
2 am to 3 am		1										Water Loss 6.5	Bit Type 050		
3 am to 4 am		1										pH	Ser. No. 71670		
4 am to 5 am		1										Filtercake 3/32	Slope Test @		
5 am to 6 am		1										Number Reg. Men 4	Extra Men Man Hrs. 12		
6 am to 7 am	3/4									1/4	Unlocked on Shale Shale	Hole Made 41	Depth at End Tour 2006		
7 am to 8 am	1											Driller: D. Parker			
8 am to 9 am	1/2 1/4									1/4	Seismic rig	Mud Wt. 11.8	Bit Run No. 11.8		
9 am to 10 am	1											Viscosity 42	Bit Size 6 1/8		
10 am to 11 am	1											Water Loss 6.4	Bit Type 0WS		
11 am to 12 n	1/2 1/2											pH	Ser. No. 71900		
12 n to 1 pm	1											Filtercake 3/32	Slope Test @		
1 pm to 2 pm	1											Number Reg. Men 4	Extra Men Man Hrs. 12		
2 pm to 3 pm	1											Hole Made 35	Depth at End Tour 2041		
3 pm to 4 pm	1											Driller: R. M. Green			
4 pm to 5 pm	1											Mud Wt. 11.8	Bit Run No. 14		
5 pm to 6 pm	1											Viscosity 43	Bit Size 6 1/8		
6 pm to 7 pm	1											Water Loss 7	Bit Type 0WS		
7 pm to 8 pm	1/2									1/2	Change oil on pump	pH	Ser. No. 71900		
8 pm to 9 pm	1/4									1/4	Change oil on pump	Filtercake 3/32	Slope Test @		
9 pm to 10 pm	1											Number Reg. Men 4	Extra Men Man Hrs. 12		
10 pm to 11 pm	1											Hole Made 29	Depth at End Tour 2070'		
11 pm to 12 m	1											Driller: D. Parker			
Totals											GRAND TOTAL:	Hours	Approved: <u>For Parker</u>	Dist. Supt.	Signed: <u>W. Parker</u>

DAILY DRILLING REPORT

Field Point Barre & adjacent Lease B.A.O. H.B. Point Barre Well No. 1 Date June 9/53
 District Alberta Prov. N.W.T. Contractor P. Hall
 Type rig: ☒ Rotary ☐ Cable Fuel Used: ☐ Gas ☒ Diesel ☐ L.P.G. ☐ Other
 Last Casing: 7" Elevation: GL. Depths Below 2000 FT.
 Size: 2 7/8" K.B. Are From: GL. Drill Pipe Size 3 1/2"
 Set at: 279' K.B. Corrected Depth: 279'

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repeating Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA	FORMATION OR CORE RECORD			
12 m to 1 am	/											Mud Wt. 11.8 Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
1 am to 2 am	/											Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
2 am to 3 am	/											Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
3 am to 4 am	/											Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
4 am to 5 am	/											Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
5 am to 6 am	/											Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
6 am to 7 am	/											Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
7 am to 8 am	/											Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
8 am to 9 am	3/4										<u>Service rig</u>	Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
9 am to 10 am	/											Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
10 am to 11 am	/											Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
11 am to 12 n	/											Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
12 n to 1 pm	/											Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
1 pm to 2 pm	3/4										<u>14</u>	Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
2 pm to 3 pm	1/2										<u>1/2</u>	Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
3 pm to 4 pm	1/4										<u>3/4</u>	Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
4 pm to 5 pm	1/2 1/2											Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
5 pm to 6 pm	/											Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
6 pm to 7 pm	/											Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
7 pm to 8 pm	/											Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
8 pm to 9 pm	1/2										<u>1/2</u>	Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
9 pm to 10 pm	/											Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
10 pm to 11 pm	/											Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
11 pm to 12 m	/											Viscosity 43 Water Loss 6.7 pH Filtercake 3/2 Number Reg. Men 4 Hole Made 64 Driller: <u>P. Barker</u>	Depth 118 Bit Run No. 118 Bit Size 6 1/8 Bit Type OSC Ser. No. 72244 Slope Test @ Extra Man Hrs. 12 Depth at End Tour 1876			
Totals												GRAND TOTAL:	Hours	Approved: <u>W. J. Smith</u>	Dist. Supt.	Signed: <u>M. J. Smith</u>

DAILY DRILLING REPORT

Field Barrow River Whitehead Lease E.P. E.H.B. Barrow River Well No. 1 Date July 8/53
 District Western Canada Prov. N.W.T. Contractor Petrol
 Type rig: ☒ Rotary ☐ Cable Fuel Used: ☐ Gas ☒ Diesel ☐ L.P.G. ☐ Other
 Last Casing: Elevation: Depths Below Are From: Drill Pipe Size 3 1/2
 Size: _____ G.L. Steel Line Measurement:
 Set at _____ K.B. _____ K.B. Former Depth _____
 Corrected Depth _____

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA	FORMATION OR CORE RECORD		
12 m to 1 am	1/2									1/2	Finished working	Mud Wt. 11.6	Bit Run No. 13	Formation	
1 am to 2 am	1										Pipe threw light shot	Viscosity 40	Bit Size 6 1/8		
2 am to 3 am										1	Reamed 820-880	Water Loss 7.4	Bit Type OSC		
3 am to 4 am	1										Circulated	pH	Ser. No. 72109		
4 am to 5 am	3/4									1/4		Filtercake 7/32	Slope Test @		
5 am to 6 am	1										Mixed 30" Drivetruck	Number Reg. Men 4	Extra Men Man Hrs. 12		
6 am to 7 am	1										25" Casings	Hole Made 30	Depth at End Tour 1713	K.B. to top of water level	
7 am to 8 am	1											Driller: D. Parker		of Mechanic River 42.0' ± 1'	
8 am to 9 am	3/4									1/4		Mud Wt. 11.7	Bit Run No. 13	with Drivetruck pocket	
9 am to 10 am	3/4									1/4	not used mud	Viscosity 41	Bit Size 6 1/8	transit	
10 am to 11 am	1/2									1/2		Water Loss 6.2	Bit Type OSC	K.B. to G.L. 8.2	
11 am to 12 n	1											pH 9.8	Ser. No. 72109		
12 n to 1 pm	1											Filtercake	Slope Test @	COMPANY REPRESENTATIVE'S SUMMARY	
1 pm to 2 pm	1											Number Reg. Men 4	Extra Men Man Hrs.	Drilled by "Rile	
2 pm to 3 pm	1											Hole Made 60	Depth at End Tour 1775	to 1812' S	
3 pm to 4 pm	1											Driller: R.M. Galarza		Pulled into right	
4 pm to 5 pm	1											Mud Wt. 11.8	Bit Run No. 13 14	Spot stopper 830'	
5 pm to 6 pm	1/4									3/4	Put new screen on shoe	Viscosity 43	Bit Size 6 1/8 6 1/8	Reamed between 820'-880'	
6 pm to 7 pm	1											Water Loss	Bit Type OSC OSC		
7 pm to 8 pm	1											pH	Ser. No. 72109 72246		
8 pm to 9 pm	1/2									1/2		Filtercake	Slope Test @		
9 pm to 10 pm	1											Number Reg. Men	Extra Men Man Hrs.		
10 pm to 11 pm												Hole Made 37	Depth at End Tour 1812		
11 pm to 12 m												Driller: R.M. Galarza			
Totals											GRAND TOTAL:	Hours	Approved: [Signature]	Dist. Supt. [Signature]	Signed: [Signature]

DAILY DRILLING REPORT

Field West River Wadded Lease B.A. & H.B. Road River Well No. 1 Date July 7/23
 District Western Canada Prov. N.W.T. Contractor Petrol
 Type rig: ☒ Rotary ☐ Cable Fuel Used: ☐ Gas ☒ Diesel ☐ L.P.G. ☐ Other
 Last Casing: 7" Elevation: GL. Depth Below Are From:
 Set at 279' K.B. K.B. ☒ K.B. ☐ G.L. Corrected Depth
 Drill Pipe Size 3 1/2"
 Steel Line Measurement:
 Former Depth:
 Corrected Depth:

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA	FORMATION OR CORE RECORD				
12 m to 1 am		/										Mud Wt. 11.6	Bit Run No. 11	12	Depth 12	Recovery	Formation
1 am to 2 am		/										Viscosity 40	Bit Size 6 1/8	6 1/8			
2 am to 3 am		/										Water Loss	Bit Type 6WS	OSC			
3 am to 4 am		/										pH	Ser. No. 71901	72108			
4 am to 5 am	/											Filtercake	Slope Test	@			
5 am to 6 am	/											Number Reg. Men 4	Extra Men	Man Hrs.			
6 am to 7 am	1/4	3/4										Hole Made 39	Depth at End Tour	1599			
7 am to 8 am		/										Driller: D. Parker					
8 am to 9 am										1/4	Service rig	Mud Wt. 11.5	Bit Run No. 11	12			
9 am to 10 am		1/4								3/4	Work on rig Chisel	Viscosity 41	Bit Size	6 1/8			
10 am to 11 am		/										Water Loss 10.4	Bit Type	OSC			
11 am to 12 n		/										pH	Ser. No.	72108			
12 n to 1 pm		/										Filtercake 7/32	Slope Test	@			
1 pm to 2 pm		/										Number Reg. Men 4	Extra Men	Man Hrs. 12			
2 pm to 3 pm		/										Hole Made 47	Depth at End Tour	1643			
3 pm to 4 pm		/										Driller: L.M. Green					
4 pm to 5 pm		/										Mud Wt. 11.8	Bit Run No.				
5 pm to 6 pm		/										Viscosity 40	Bit Size				
6 pm to 7 pm		/										Water Loss 11.5	Bit Type				
7 pm to 8 pm		/										pH 10	Ser. No.				
8 pm to 9 pm		/										Filtercake 7/32	Slope Test	@			
9 pm to 10 pm		/										Number Reg. Men 4	Extra Men	Man Hrs. 12			
10 pm to 11 pm	1/4	3/4										Hole Made 40	Depth at End Tour	1685			
11 pm to 12 m	3/4											Driller: L.M. Green					
Totals												GRAND TOTAL:	Hours	Approved:	Dist. Supt.	Signed:	

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field Point Louis Well Lease B.P.E.H.P. Point Louis Well No. 1 Date July 6/33
 District Alberta Canada - Prov. N.W.7. Contractor Petrol
 Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other
 Last Casing: _____ Elevation: _____ Depths Below _____
 Size: 7" _____ G.L. _____ Are From: _____
 Set at 279' K.B. _____ K.B. _____
 Drill Pipe Size 3 1/2
 Steel Line Measurements: _____
 Former Depth _____
 Corrected Depth _____

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA			FORMATION OR CORE RECORD			
												Mud Wt.	Bit Run No.	Depth	Recovery	Formation		
12 in to 1 am		1										Mud Wt. 11.8	Bit Run No. 10	Depth	Recovery	Formation		
1 am to 2 am		1										Viscosity 40	Bit Size 6 1/8					
2 am to 3 am		1										Water Loss	Bit Type 05C					
3 am to 4 am		1										pH	Ser. No. 69538					
4 am to 5 am		1										Filtercake	Slope Test *@					
5 am to 6 am		1										Number Reg. Men 4	Extra Men Man Hrs. 12					
6 am to 7 am		1										Hole Made 36	Depth at End Tour 1531					
7 am to 8 am		1										Driller: D. Parks						
8 am to 9 am		3/4									1/4 Service rig	Mud Wt. 11.6	Bit Run No. 11					
9 am to 10 am		1										Viscosity 42	Bit Size 6 1/8					
10 am to 11 am	1											Water Loss	Bit Type 0WS					
11 am to 12 n										1	Pulled out	pH	Ser. No. 71901					
12 n to 1 pm										1	Stemmed 6 line	Filtercake	Slope Test *@					
1 pm to 2 pm										1		Number Reg. Men 4	Extra Men Man Hrs. 12					
2 pm to 3 pm										1		Hole Made 9	Depth at End Tour 1570					
3 pm to 4 pm	1											Driller: F. M. Green						
4 pm to 5 pm		1										Mud Wt. 11.7	Bit Run No. 11					
5 pm to 6 pm		1										Viscosity 42	Bit Size 6 1/8					
6 pm to 7 pm		1										Water Loss	Bit Type 0WS					
7 pm to 8 pm		1/2									1/2	pH	Ser. No. 71901					
8 pm to 9 pm											1/4	Filtercake	Slope Test *@					
9 pm to 10 pm		1									1/4	Number Reg. Men 4	Extra Men Man Hrs. 12					
10 pm to 11 pm		1									1/4	Hole Made 29	Depth at End Tour 1536					
11 pm to 12 m		1									1/4	Driller: J. V. B. B. B.						
Totals											GRAND TOTAL:	Hours	Approved: J. V. B. B. B.	Dist. Supt.	Signed: J. V. B. B. B.			

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field Long Range Well Lease B.A.C.B. East River Well No. 1 Date July 5/53
 District Western Can. Prov. N.W.T. Contractor Petrol
 Type rig: ☒ Rotary ☐ Cable Fuel Used: ☐ Gas ☒ Diesel ☐ L.P.G. ☐ Other
 Last Casing: _____ Elevation: _____ Depths Below _____
 Size: 2" _____ G.L. _____ Are From: _____
 Set at 279" K.B. _____ K.B. _____ ☐ K.B. ☐ G.L. _____
 Drill Pipe Size 3 1/2
 Steel Line Measurement: _____
 Former Depth: _____
 Corrected Depth: _____

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA		FORMATION OR CORE RECORD														
												Mud Wt.	Bit Run No.	Viscosity	Bit Size	Water Loss	Bit Type	pH	Ser. No.	Filtercake	Slope Test	Number Reg. Men	Extra Men	Man Hrs.	Hole Made	Depth at End Tour	Driller	
12 m to 1 am		/										Mud Wt. 11.4	Bit Run No. 8	Viscosity 39	Bit Size 6 1/2	Water Loss	Bit Type OSC	pH	Ser. No. 72081	Filtercake	Slope Test *	Number Reg. Men 4	Extra Men	Man Hrs. 12	Hole Made 55	Depth at End Tour 1320	Driller: D. Parker	
1 am to 2 am		/										Mud Wt. 11.6	Bit Run No. 9	Viscosity 40	Bit Size 6 1/2	Water Loss	Bit Type OSC	pH	Ser. No. 72118	Filtercake	Slope Test *	Number Reg. Men 4	Extra Men	Man Hrs. 12	Hole Made 80	Depth at End Tour 1400	Driller: L. M. Green	
2 am to 3 am		/										Mud Wt. 11.4	Bit Run No. 10	Viscosity 40	Bit Size 6 1/2	Water Loss	Bit Type OSC	pH	Ser. No. 69558	Filtercake	Slope Test *	Number Reg. Men 4	Extra Men	Man Hrs. 12	Hole Made 45	Depth at End Tour 1445	Driller: D. Parker	
3 am to 4 am		/																										
4 am to 5 am		/																										
5 am to 6 am		/																										
6 am to 7 am	1/2	1/2																										
7 am to 8 am	1																											
8 am to 9 am	1/4	1/2																										
9 am to 10 am		/																										
10 am to 11 am		/																										
11 am to 12 n		/																										
12 n to 1 pm		/																										
1 pm to 2 pm		/																										
2 pm to 3 pm		/																										
3 pm to 4 pm		/																										
4 pm to 5 pm		/																										
5 pm to 6 pm		/																										
6 pm to 7 pm		/																										
7 pm to 8 pm		/																										
8 pm to 9 pm		/																										
9 pm to 10 pm																												
10 pm to 11 pm																												
11 pm to 12 m		/																										
Totals																												

GRAND TOTAL:

Hours

Approved: J. J. Parker

Dist. Supt.

Signed: J. J. Parker

DAILY DRILLING REPORT

Field Port Ruis Wharf Lease P.R.E. H.B. Port Ruis Well No. 1 Date July 4/53
 District Western Canada Prov. N.W.T. Contractor Lester
 Type rig: ☒ Rotary ☐ Cable Fuel Used: ☐ Gas ☒ Diesel ☐ L.P.G. ☐ Other
 Last Casing: _____ Elevation: _____ Depths Below _____ Steel Line Measurement: _____
 Size: 7" _____ G.L. _____ Former Depth _____
 Set at 275 K.B. _____ K.B. _____ Corrected Depth _____

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA	FORMATION OR CORE RECORD	
12 m to 1 am	1											Mud Wt. 11.4 Bit Run No. 7	Depth 1265'	
1 am to 2 am	2 1/4	3/4										Viscosity 99 Bit Size 6 1/8		
2 am to 3 am		1									Drilling	Water Loss Bit Type 0WS		
3 am to 4 am		1										pH Ser. No. 67121		
4 am to 5 am		1										Filtercake Slope Test @		
5 am to 6 am		1										Number Reg. Men 4 Extra Men Man Hrs. 12		
6 am to 7 am		1										Hole Made 50 Depth at End Tour 11.50		
7 am to 8 am		1										Driller: P. Parker		
8 am to 9 am		3/4								1/2	Service log	Mud Wt. 11.6 Bit Run No. 7		
9 am to 10 am		1										Viscosity 40 Bit Size 6 1/8		
10 am to 11 am		1										Water Loss Bit Type 0WS		
11 am to 12 n		1										pH Ser. No. 67121		
12 n to 1 pm		1									Drilling	Filtercake Slope Test @		
1 pm to 2 pm		1										Number Reg. Men 4 Extra Men Man Hrs. 12		
2 pm to 3 pm		1										Hole Made 80 Depth at End Tour 1230		
3 pm to 4 pm	1/4	2 1/4										Driller: M. J. J.		
4 pm to 5 pm		1										Mud Wt. 11.6 Bit Run No. 8		
5 pm to 6 pm	1/2	1/2										Viscosity 40 Bit Size 6 1/8		
6 pm to 7 pm		1										Water Loss Bit Type 0SC		
7 pm to 8 pm		1										pH Ser. No. 72081		
8 pm to 9 pm		3/4								1/2	Service log	Filtercake Slope Test @		
9 pm to 10 pm		1										Number Reg. Men 4 Extra Men Man Hrs. 12		
10 pm to 11 pm		1/2								1/2	Mixed 3 bags Gel	Hole Made 35 Depth at End Tour 1265'		
11 to 12 m		1										Driller: J. P. J.		
Totals											GRAND TOTAL:	Hours	Approved: J. P. J.	Dist. Supt. Signed: H. J. J.

THE BRITISH-AMERICAN OIL COMPANY LTD.
DAILY DRILLING REPORT

Field Post River Wildcat Lease B.P.E.H.B. Post River Well No. 1 Date July 3/53
District Western Canada Prov. N.W.T. Contractor Reikal
Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☒ Diesel ☐ L.P.G. ☐ Other
Last Casing: _____ Elevation: _____ Depths Below _____
Size: 7" _____ G.L. _____ Are From: _____
Set at 279 K.B. _____ K.B. _____
Drill Pipe Size 3 1/2" I.F.
Steel Line Measurement: _____
Former Depth: _____
Corrected Depth: _____

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA	FORMATION OR CORE RECORD			
12 m to 1 am		1										Mud Wt. 11.4	Bit Run No. 6	Depth 100'	Recovery 100%	Formation
1 am to 2 am		1										Viscosity 37	Bit Size 6 1/2	100'	100%	
2 am to 3 am		1										Water Loss	Bit Type OSC	100'	100%	
3 am to 4 am		1										pH	Ser. No. 68392	72241		
4 am to 5 am	1/2	1									measured	Filtercake 3/2	Slope Test			
5 am to 6 am	1											Number Reg. Men 4	Extra Men	Man Hrs. 12		
6 am to 7 am		1										Hole Made 70	Depth at End Tour 1025'			50' Limestone
7 am to 8 am		1										Driller: D. Parker				25' Cast. c
8 am to 9 am	3/4									1/4	Service rig	Mud Wt. 11.3	Bit Run No. 6			5' heavy Gell
9 am to 10 am	1										Drilling	Viscosity 40	Bit Size 6 1/2			
10 am to 11 am	3/4									1/4	measured	Water Loss	Bit Type OSC			
11 am to 12 n	1/2									1		pH	Ser. No. 68392			
12 n to 1 pm	1/2									1/2	unloading on B.O.P.	Filtercake	Slope Test			
1 pm to 2 pm										1		Number Reg. Men 4	Extra Men	Man Hrs. 12		
2 pm to 3 pm	1/2									1/2		Hole Made 60	Depth at End Tour 1085'			Drilled 6 1/2" L.S. 4' 110'
3 pm to 4 pm	1										Drilling	Driller: L.M. Hager				Shale with blk grey Gell.
4 pm to 5 pm	1											Mud Wt. 11.3	Bit Run No. 7	6		
5 pm to 6 pm	1											Viscosity 41	Bit Size 6 1/2	6 1/2		
6 pm to 7 pm	1											Water Loss	Bit Type OSC	OSC		
7 pm to 8 pm	1											pH	Ser. No. 68391	68392		S.L.M. at 1005' = 1005'
8 pm to 9 pm	3/4									1/4	Service rig	Filtercake	Slope Test			
9 pm to 10 pm	1											Number Reg. Men	Extra Men	Man Hrs.		
10 pm to 11 pm	3/4									1/4	shut on Pump	Hole Made 15'	Depth at End Tour 1100'			
11 pm to 12 m	1									1		Driller: L.M. Hager				
Totals											GRAND TOTAL:	Hours	Approved: <u>L.M. Hager</u>	Dist. Supt.	Signed: <u>N. Redmond</u>	

DAILY DRILLING REPORT

Field Port Rens. Wharf Lease E.A.E.H.B. Port Rens. Well No. 1 Date July 2/53
 District Windsor, Canada Prov. N.W.T. Contractor Petrol
 Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☒ Diesel ☐ L.P.G. ☐ Other
 Last Casing: 7" Elevation: G.L. Drill Pipe Size 3 1/2"
 Size: 7" Are From: G.L. Steel Line Measurement:
 Set at 279' K.B. G.L. Former Depth:
 Corrected Depth:

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA	FORMATION OR CORE RECORD			
12 m to 1 am	/											Mud Wt. 10.3	Bit Run No. 4	Depth 10.3	Recovery	Formation
1 am to 2 am	/											Viscosity 38	Bit Size 6 1/8			
2 am to 3 am	/											Water Loss	Bit Type 0 SC			
3 am to 4 am	/											pH	Ser. No. 69298			
4 am to 5 am	3/4									1/4	work on B.O.P	Filtercake	Slope Test 10			
5 am to 6 am	/											Number Reg. Men 4	Extra Men Man Hrs. 12			
6 am to 7 am	/											Hole Made 131	Depth at End Tour 821			
7 am to 8 am	/											Driller: D. Parker				
8 am to 9 am										1		Mud Wt. 11.5	Bit Run No. 5			
9 am to 10 am	1/2									1/2	Service rig & tighten chain	Viscosity 40	Bit Size 6 1/8			
10 am to 11 am										1	Welled out lined up B.O.P.	Water Loss	Bit Type 0 SC			
11 am to 12 n	1/2									1/2	Worked on B.O.P. 5' hole	pH	Ser. No. 72241			
12 n to 1 pm										1	Run in hole	Filtercake	Slope Test 10			
1 pm to 2 pm										1		Number Reg. Men 4	Extra Men Man Hrs. 12			
2 pm to 3 pm										1		Hole Made 19'	Depth at End Tour 840			
3 pm to 4 pm	/										Drilling	Driller: L. M. Garry				
4 pm to 5 pm	/											Mud Wt. 11.7	Bit Run No. 5			
5 pm to 6 pm	/											Viscosity 112	Bit Size 6 1/8			
6 pm to 7 pm	/										Drilling	Water Loss 15'	Bit Type 0 SC			
7 pm to 8 pm	/											pH	Ser. No. 72241			
8 pm to 9 pm	1/2									1/2	Service rig	Filtercake 7/32	Slope Test 10			
9 pm to 10 pm	/										Drilling	Number Reg. Men 4	Extra Men Man Hrs. 12			
10 pm to 11 pm	/											Hole Made 115'	Depth at End Tour 955'			
11 pm to 12 m	/											Driller: L. M. Garry				
Totals											GRAND TOTAL:	Hours	Approved: <u>L. M. Garry</u>	Dist. Supt.:	Signed: <u>H. L. Garry</u>	

DAILY DRILLING REPORT

Field Rest River Lease Rest River P.O.E.H.B. Well No. 1 Date July 1/33
 District Western Canada Prov. N.W.T. Contractor Petrol
 Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other
 Last Casing: _____ Elevation: _____ Depths Below _____ Steel Line Measurement: _____
 Size: 7" _____ G.L. _____ Are From: _____ Former Depth: _____
 Set at 279' K.B. _____ K.B. _____ ☒ K.B. ☐ G.L. _____ Corrected Depth: _____

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA	FORMATION OR CORE RECORD	
12 m to 1 am		1/2								1/2	Finished drilling	Mud Wt.	Bit Run No. 3	Depth 279'
1 am to 2 am										1	set cement to 250	Viscosity	Bit Size 6 1/8	Recovery 100%
2 am to 3 am										1	W.O.C.	Water Loss	Bit Type OSC	Formation
3 am to 4 am										1		pH	Ser. No. 69587	
4 am to 5 am										1	W.O.C.	Filtercake	Slope Test @	
5 am to 6 am										1		Number Reg. Men 4	Extra Men	Man Hrs. 12
6 am to 7 am										1		Hole Made	Depth at End Tour	
7 am to 8 am										1		Driller: D. Parker		
8 am to 9 am										1	Lightening down B.O.P.	Mud Wt.	Bit Run No. 3	Mixed 10 bags cement
9 am to 10 am		1									Drilling set cement	Viscosity	Bit Size 6 1/8	
10 am to 11 am										1	mixing mud	Water Loss	Bit Type OSC	
11 am to 12 n		1/2								1/2	drilling	pH	Ser. No. 69597	
12 n to 1 pm		1/2								1/2		Filtercake	Slope Test @	COMPANY REPRESENTATIVE'S SUMMARY
1 pm to 2 pm		1/2								1/2		Number Reg. Men 4	Extra Men	Man Hrs. 12
2 pm to 3 pm		1/4								3/4	working on Pump	Hole Made 294	Depth at End Tour 598	After 48 hrs. Drilled
3 pm to 4 pm		1										Driller: L. Galloway		set cement from 250-280'
4 pm to 5 pm		1										Mud Wt.	Bit Run No. 4	Found cement Radio battery
5 pm to 6 pm		1/2	1/2								Drilling	Viscosity	Bit Size 6 1/8	Drilled 6 1/2' holes to 690
6 pm to 7 pm		1										Water Loss	Bit Type OSC	Dr grey to br shale. to 690
7 pm to 8 pm		1										pH	Ser. No. 69298	500' up to dr grey silt
8 pm to 9 pm		1/2								3/4	Service Reg.	Filtercake	Slope Test @	line
9 pm to 10 pm		1										Number Reg. Men 4	Extra Men	Man Hrs. 12
10 pm to 11 pm		1										Hole Made 112	Depth at End Tour 690'	
11 to 12 m		1										Driller:		
Totals											GRAND TOTAL:	Hours	Approved: <u>L. Galloway</u>	Dist. Supt. Signed: <u>M. Buckle</u>

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field W. O. C. Road River Lease B.A. E.H.B. Road River Well No. 1 Date June 30/53
 District Western Canada Prov. N.W.T. Contractor Pitcair
 Type rig: ☒ Rotary ☐ Cable Fuel Used: ☐ Gas ☒ Diesel ☐ L.P.G. ☐ Other
 Last Casing: _____ Elevation: _____ Depths Below _____
 Size: 7" G.L. _____ Are From: _____
 Set at 279 K.B. _____ K.B. _____
 Drill Pipe Size 3 1/2"
 Steel Line Measurement: _____
 Former Depth _____
 Corrected Depth _____

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA	FORMATION OR CORE RECORD		
12 m to 1 am											W.O.C.	Mud Wt.	Bit Run No.	From To	Formation
1 am to 2 am												Viscosity	Bit Size		
2 am to 3 am												Water Loss	Bit Type		
3 am to 4 am												pH	Ser. No.		
4 am to 5 am												Filtercake	Slope Test		
5 am to 6 am												Number Reg. Men	Extra Men	Man Hrs.	
6 am to 7 am												Hole Made	Depth at End Tour		
7 am to 8 am												Driller: D. Parker			
8 am to 9 am												Mud Wt.	Bit Run No.		
9 am to 10 am											Rigging up B.O.P.	Viscosity	Bit Size		
10 am to 11 am												Water Loss	Bit Type		
11 am to 12 n											Rigging up shale	pH	Ser. No.		
12 n to 1 pm											Shale	Filtercake	Slope Test		
1 pm to 2 pm												Number Reg. Men	Extra Men	Man Hrs.	
2 pm to 3 pm												Hole Made	Depth at End Tour		
3 pm to 4 pm												Driller: L. M. Garry			
4 pm to 5 pm											Finish heading up	Mud Wt.	Bit Run No.	5	
5 pm to 6 pm											Test B.O.P. 900 P.S.I.	Viscosity	Bit Size	6 1/8"	
6 pm to 7 pm												Water Loss	Bit Type	OSC	
7 pm to 8 pm												pH	Ser. No.	69337	
8 pm to 9 pm											Drilled	Filtercake	Slope Test		
9 pm to 10 pm											cut cement	Number Reg. Men	Extra Men	Man Hrs.	
10 pm to 11 pm												Hole Made	Depth at End Tour		
11 pm to 12 m												Driller: L. M. Garry			
Totals											GRAND TOTAL:	Hours	Approved: [Signature]	Dist. Supt.	Signed: [Signature]

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field East River of the West Lease B.P.E.H.B. East River Well No. 1 Date June 29/53
 District Western Canada Prov. Alberta Contractor Petrol
 Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other
 Last Casing: 7" Elevation: G.L. Depths Below CRUST Steel Line Measurement:
 Size: 7" Are From: CRUST Former Depth:
 Set at 228 K.B. K.B. ☐ K.B. ☐ G.L. Corrected Depth: 228

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA	FORMATION OR CORE RECORD				
12 m to 1 am	1/2											Mud Wt.	Bit Run No.	Depth From To	Recovery	Formation	
1 am to 2 am												Viscosity	Bit Size			Shut-in	
2 am to 3 am												Water Loss	Bit Type			Shut-in	
3 am to 4 am												pH	Ser. No.			W.O.C.	
4 am to 5 am												Filtercake	Slope Test			F.S. to Csg. collar 9.3	
5 am to 6 am												Number Reg. Men 4	Extra Men	Man Hrs. 12		G.L. 8.2	
6 am to 7 am												Hole Made	Depth at End Tour			After W.O.C. 8 hrs. cement and	
7 am to 8 am												Driller: D. Parker				Ground was cleaned around	
8 am to 9 am												Mud Wt.	Bit Run No.			surface of csg. dug out	
9 am to 10 am												Viscosity	Bit Size			space and filled with	
10 am to 11 am												Water Loss	Bit Type			rocks and additional 5-5x5.	
11 am to 12 n												pH	Ser. No.			of 16" cement slurry.	
12 n to 1 pm												Filtercake	Slope Test			COMPANY REPRESENTATIVE'S SUMMARY	
1 pm to 2 pm												Number Reg. Men 4	Extra Men	Man Hrs. 12		Run 10 gals. 268.52' 7" 20"	
2 pm to 3 pm												Hole Made	Depth at End Tour			Spd Hdr. S.S. Rgr 10'2" (H-40	
3 pm to 4 pm												Driller: L. Murray				J-55) csg. with Packin Guide	
4 pm to 5 pm												Mud Wt.	Bit Run No.			she on bottom set at 279'	
5 pm to 6 pm												Viscosity	Bit Size			Csg. cemented w/70 SXS. Can.	
6 pm to 7 pm												Water Loss	Bit Type			Isol cement. 20 SXS. mixed w/	
7 pm to 8 pm												pH	Ser. No.			H.O.W. Co. unit. 50 SXS hatch mixed	
8 pm to 9 pm												Filtercake	Slope Test			w/ shanks (Cementing unit fresh	
9 pm to 10 pm												Number Reg. Men 4	Extra Men	Man Hrs. 12		down). After 9:15 plug cement 10'	
10 pm to 11 pm												Hole Made	Depth at End Tour			Plug displaced to 265' K.B. at	
11 pm to 12 m												Driller: L. Murray				2:00 P.M. Cement circulation	
Totals																	

GRAND TOTAL:

Hours

Approved: L. Murray

Dist. Supt.

Signed: L. Murray

DAILY DRILLING REPORT

Field East River Wellhead Lease B.P. R. East River Well No. 1 Date June 28/33
 District Eastern Canada Prov. N.W.T. Contractor Petrol
 Type rig: ☒ Rotary ☐ Cable Fuel Used: ☐ Gas ☒ Diesel ☐ L.P.G. ☐ Other
 Last Casing: _____ Elevation: _____ Depths Below _____
 Size: _____ G.L. Are From: _____ Former Depth _____
 Set at _____ K.B. _____ K.B. ☒ K.B. ☐ G.L. Corrected Depth _____

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA			FORMATION OR CORE RECORD		
												Mud Wt.	Bit Run No.	Depth	Recovery	Formation	
12 m to 1 am		1															
1 am to 2 am		1									Drilled.	Viscosity	Bit Size				
2 am to 3 am		1										Water Loss	Bit Type	OSC			
3 am to 4 am		1										pH	Ser. No.	8647			
4 am to 5 am		1										Filtercake	Slope Test				
5 am to 6 am		1										Number Reg. Men	Extra Men	Man Hrs.			
6 am to 7 am		1/2							1/2		Put new valve on pump	Hole Made	Depth at End Tour	150			
7 am to 8 am		1										Driller: D. Parker					
8 am to 9 am		1										Mud Wt.	Bit Run No.	1			
9 am to 10 am		1									Retrip & Level up	Viscosity	Bit Size	9"			
10 am to 11 am		1						1/2			Failure. Plugged bit	Water Loss	Bit Type	OSC			
11 am to 12 n		1/2						1/2			Retrip.	pH	Ser. No.	42530			
12 n to 1 pm		1/2										Filtercake	Slope Test	@			
1 pm to 2 pm		1										Number Reg. Men	Extra Men	Man Hrs.			
2 pm to 3 pm									1		Concurrence to co. ditto Lab	Hole Made	Depth at End Tour				
3 pm to 4 pm		1										Driller: Lloyd Gears					
4 pm to 5 pm		1										Mud Wt.	Bit Run No.	1			
5 pm to 6 pm		1									Make up	Viscosity	Bit Size	9"			
6 pm to 7 pm		1										Water Loss	Bit Type	OSC			
7 pm to 8 pm		1/4							1		13 3/4" bit. Trip	pH	Ser. No.	42530			
8 pm to 9 pm									1			Filtercake	Slope Test	@			
9 pm to 10 pm		1/2							1/2			Number Reg. Men	Extra Men	Man Hrs.			
10 pm to 11 pm									1		Set down. Hole. Run	Hole Made	Depth at End Tour				
11 pm to 12 m									1		Work on to Core Hole to an Ag	Driller: D. Parker					
Totals											GRAND TOTAL:	Hours	Approved: J. Fortin	Dist. Supt.	Signed: H. G. G. G.		

DAILY DRILLING REPORT

Field Ross River Willard Lease B.D. & H.B. Ross River Well No. 1 Date June 27
 District Western Canada Prov. N.W.T. Contractor Petrol
 Type rig: ☒ Rotary ☐ Cable Fuel Used: ☐ Gas ☒ Diesel ☐ L.P.G. ☐ Other
 Last Casing: Elevation: _____ Depths, Below _____ Steel Line Measurement: _____
 Size: _____ G.L. Are From: _____ Former Depth: _____
 Set at _____ K.B. _____ K.B. _____ ☐ K.B. ☐ G.L. _____ Corrected Depth: _____

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS	DRILLER'S DATA	FORMATION OR CORE RECORD			
12 m to 1 am												Mud Wt.	Bit Run No.	Depth From	Recovery	Formation
1 am to 2 am												Viscosity	Bit Size			
2 am to 3 am												Water Loss	Bit Type			
3 am to 4 am												pH	Ser. No.			
4 am to 5 am												Filtercake	Slope Test			
5 am to 6 am												Number Reg. Men	Extra Men	Man Hrs.		
6 am to 7 am												Hole Made	Depth at End Tour			
7 am to 8 am												Driller:				
8 am to 9 am												Mud Wt.	Bit Run No.			
9 am to 10 am												Viscosity	Bit Size			
10 am to 11 am												Water Loss	Bit Type			
11 am to 12 n												pH	Ser. No.			
12 n to 1 pm												Filtercake	Slope Test			
1 pm to 2 pm												Number Reg. Men	Extra Men	Man Hrs.		
2 pm to 3 pm												Hole Made	Depth at End Tour			
3 pm to 4 pm												Driller:				
4 pm to 5 pm												Mud Wt.	Bit Run No.			
5 pm to 6 pm												Viscosity	Bit Size			
6 pm to 7 pm												Water Loss	Bit Type			
7 pm to 8 pm												pH	Ser. No.			
8 pm to 9 pm												Filtercake	Slope Test			
9 pm to 10 pm												Number Reg. Men	Extra Men	Man Hrs.		
10 pm to 11 pm												Hole Made	Depth at End Tour			
11 pm to 12 m												Driller:				
Totals																

GRAND TOTAL: _____ Hours _____ Approved: _____ Dist. Supt. _____ Signed: _____

Form 277A C.P.