

B.A. - H.B. LONE MOUNTAIN

NO. 2 B-59

Drilling Authority No.

Date Issued

WELL NAME P.M. - H.B. Lone Mountain No. 2 8-57

FIELD Wildcat

Area: Fort Simpson

LOCATION: Unit A

Section 57

Grid 62 10 122 30

Latitude 62°10' N.

Longitude

122°40' W.

From Established Reference Marker

Rig Release Date: 9-9-53

Status D & A

Information Release Date 9-9-55

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.

#17

CANADA
DEPARTMENT OF RESOURCES AND DEVELOPMENT
NORTHERN ADMINISTRATION AND LANDS BRANCH

(ABANDONMENT)
(~~RECONSTRUCTION~~): REPORT
(~~RECONSTRUCTION~~):

By *[Signature]*

(Stroke 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. Lone Mountain #2 ✓ Permit No. 481
Lease No.
Registered owner Drilling company Petrol Ltd.
Location: (Survey description) Longitude 122° 40' W. Latitude 62° 06' N. South
bank of Mackenzie River.
Elevation: Ground 357' ± Kelly bushing 355' ± Depth 2845'
Spudded Aug 8 - 14 - 55 Finished drilling Sept 8 - 8 - 55 Rig released Sept 9 - 9 - 55
Deviations from vertical no surveys 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.	<u>7"</u>	<u>348'</u>	<u>H-40</u> <u>J-55</u>	<u>new</u>	<u>357'</u>	<u>85</u>
2.	.....	.....	.....	.....	.....	.....
3.	.....	.....	.....	.....	.....	.....

TUBING

Status of well on completion of drilling Plugged and abandoned
Producing zone
Cored intervals
Interval logged: E-log 2845' - 357' M-log
R-log Other

DRILLSTEM TESTS

<u>Test No.</u>	<u>Date</u>	<u>Interval tested</u>	<u>Duration</u>	<u>Results</u>
.....				
.....				

(Over)

.....
.....
.....
.....
Perforations: (Gun.....)
(Det.....)

Shooting:

Hydraulically fracturing:

Chemical treatment:

Date initial production tests:

Initial production data:

Pumping or flowing

Plug back:

Other:

.....

.....

CEMENT PLUGS SET

<u>From</u>	<u>To</u>	<u>Sacks cement</u>	<u>Felt At</u>
2645	2605	12	-
597'	517'	18	128'
.....			
.....			
.....			
.....			

Electric log is appended: Yes..... No.....

Radioactivity log is appended: Yes..... No.....

Micrometer log is appended: Yes..... No.....

Geologic record or strip log is submitted Yes..... No.....
will be

Results of tests for porosity, permeability,
and saturation of each stratum containing oil,
gas or water are submitted Yes..... No.....
will be

ADDITIONAL DETAILS AND COMMENTS

Steel plate welded on top of casing. Capped with 4 sacks of cement. 4' x 2"

pipe anchored in cement block with name of well inscribed on it.

.....

Signed M. Lachick

Address Fort Simpson

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

NOTICE OF INTENTION TO ~~(ABANDON)~~ ~~(SUSPENSION)~~ ~~(SUSPENSION)~~ ~~(SUSPENSION)~~ A WELL

(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.-S.B. Lease No. 43 on Oil
and Gas (Permit No. 431) registered in the name of

Depth 2645 feet. Elevation above sea level: Ground surface 557 ft.
Kelly bushing 595 ft.

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

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

Survey description Longitude 122° 40' W, Latitude 61° 09' N, South bank of
Mackenzie River

CASING RECORD

Size O.D. inches	Weight lbs/ft.	Amount feet	Set at feet	Sacks cement	Method	To be withdrawn
1. <u>7"</u>	<u>20</u>	<u>343</u>	<u>357</u>	<u>85</u>	<u>Displacement</u>	<u>no</u>
2. ....	.....	.....	.....	.....	.....	.....
3. ....	.....	.....	.....	.....	.....	.....

OIL, GAS and WATER

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

(Over)

Water fromfeet to feet. From.....feet to.....feet with.....sacks.

.....
.....

Bottom plug from ~~2345~~.....feet to ~~2305~~.....feet with ~~12~~.....sacks

Surface plug from ~~587~~.....feet to ~~517~~.....feet with ~~12~~.....sacks

Date of last operations ~~9-9-53~~.....Total depth ~~2345~~.....

Nature of liquid in well ~~and~~.....Level from surface ~~2'~~.....

Present condition of well in addition to above:

.....
.....

An electric log (will be) run. (strike out what is non-applicable)
(will not be)

Program of operation not included above: ~~Top of casing filled with~~
~~cement. Steel plate welded on top of casing. Collar filled with four sacks of~~
~~cement. A 4' x 2" steel pipe anchored in cement with name of well marked on it.~~

.....

Responsible agents of permittee or lessee in charge of operation:

At well ~~N. Ludwick~~..... At registered office:

Postal address ~~Fort Simpson~~..... Postal address

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

Dated at ~~Fort Simpson~~.....this ~~9th~~.....day of ~~September~~.....19 ~~53~~.....

Signed by ~~M. Ludwick~~.....

This program is approved subject to the following provisions:

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

.....
23 Sep 53
Date

.....
M.B. Irvine
Conservation Engineer

CANADA

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. registered in the name of Lease No.

J. H. Manning

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

The well will be located:

1 1/3 mile (N. of S. boundary) of (Permit No. **481**) at approx. **62° 30'** N Lat.
1 mile (S. of N. boundary) (Lease No.)
1 1/3 mile (W. of E. boundary) of (Permit No. **481**) at approx. **122° 30'** W Long.
1 1/3 mile (E. of W. boundary) (Lease No.)

16 miles west of the mouth of Trail Creek

Survey description of location:
on the South bank of the Mackenzie River

Approximate surface elevation of **425** feet above sea level.

British American-Ratson's Bay Lone Mountain #2

Name of well:

Cartmell Mobil Hoist

Type of drilling rig:

August 15, 1953

Expected date of commencement:

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 through	Sacks of cement
7"	20	J-55	J & L	New	Glacial Drift	to Surface
1. ....	.....	.....	.....	.....	.....	.....
2. ....	.....	.....	.....	.....	.....	.....
3. ....	.....	.....	.....	.....	.....	.....

Expected depth of water, gas and oil horizons and method of control:
Middle and Upper Devonian or Silurian controlled by Flow

Preventer and Proper weighted drilling mud.

(over)

noted

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

The well will be drilled by: ~~East Territories Oil Co. Ltd.~~ (name of company)

Responsible agents of permittee or lessee in charge of operation:

At well: ~~Nestor, Luskick~~..... At registered office: ~~G. W. Hall~~.....

Postal address: ~~General Delivery~~ Postal address: ~~402-3rd St. N. Calgary, Alta.~~
~~Fort Simpson, N.W.T.~~

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

Dated at ~~Calgary~~.....this ~~27th~~.....day of ~~April~~.....19~~53~~.

Signed by

[Signature]

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

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

10 Aug 1953
Date

AB. Irwin
Conservation Engineer

GEOLOGICAL REPORT

E.A.-Hudson's Bay Lone Mountain No. 2

GEOLOGICAL REPORT

Name: British American - Hudson's Bay Lone Mountain #2

Location: North West Territories, District of MacKenzie.
Approx. Longitude: 122° 40' W
Approx. Latitude: 62° 8' N
Located on the south bank of the MacKenzie River
about 214' in from the shore at low water.
The site lies south of the east end of a small
island situated centrally with respect to the long
east-west trending Burnt Island.

Elevation: As determined by a Brunton Pocket Transit, the K.B.
elevation is considered as 46' ± 1' above the river
level at low water.
The river elevation is considered as 350' interpolated
between elevations at Wrigley and Fort Simpson.
The K.B. is therefore considered as: 395' ± ?

Status: Dry and Abandoned.

Total Depth: Driller: 2645'
Haliburton: 2645'

Engineer: W. Ludwick.

Geologist: Russ Waines.

Date Spudded: August 14, 1953.

Date Abandoned: September 9, 1953.

Hole Diameters: 9" 0' to 365'
6 1/8" 365' to 2645'

Casing: 349' of 7" casing set @ 359' with 85 sacks.

Logs: Electric - Haliburton.

Directional Surveys: None.

Drill Stem Tests: None.

Cores: None.

Samples: Samples not logged. Log time is 1 minute
for each 300'.

B.A.-H.B. Samples - 340'-2640' 10' samples.
Government Samples - 360'-2640' "
B.A. Sample Cuts - 320'-2645' "
(5' samples
from 1370')

Missing (not including surface samples):
1290' - 1300'
2060' - 2070'

STRATIGRAPHIC SUMMARY

- 0' - 305' : Surface boulders, sands, gravels, clays, muskeg, and permi frost followed by fine silts and ending with 35' of boulders, sand and gravel.
- 305'-1335' Shales with some silts, medium to dark gray, slightly calcareous, micro-micaceous, occasional pyritic, very occasionally with fossils.
- 1335'-1375' Black sub-bituminous shales and siltstones, often pyritic.
- 1375'-1380' Chert - bituminous, very hard, Detrital?
- 1380'-1845' Limestone, slightly siliceous, slightly bituminous to sub-bituminous, slightly pyritic, slightly argillaceous, very occasionally with fossils, dark gray-brown to black, fine grained, tight with much minor variations over short distances. Occasionally dolomitic.
- 1845'-1890' Dolomite, slightly calcareous.
- 1890'-2010' Limestone, white, very chalky, with much calcite.
- 2010'-2645' Dolomite, very fine grained, gray-brown, very slightly pyritic, occasionally with pin-point porosity - with many minor variations over short distances, often cut by dolomite and calcite stringers and veins.

FORMATION TOPS

Simpson Shale Formation -	-305'	drilling time break
"Horn River Formation" -	-1335'	E-log top
Chert - "detrital"?	-1375'	Sample top
Ramparts Formation	-1385'	E-log top
Lone Mountain Formation -	-2008'	E-log top.

LITHOLOGICAL DESCRIPTION
(Logged Dry)

- 0'-270' Surface boulders, sands, gravels, clays, muskeg and permafrost followed by at least 150' of fast drilling silts and very fine sands.
- 270'-305' Boulders, gravels and sands.
- 305 NB The top of the shale was picked at 305' on drilling performance rather than on samples, since caving sands, mud troubles, and poor returns, hampered recovery. The first shale was noted as traces in sands and silts at 320' and not until 340', when the mud was finally treated into shape, did good samples occur.
- 305 Top Simpson Shale.
- 320-340 Very fine sands and silts - all cavings.
320-340 traces, shale, very slightly calcareous, micro-micaceous, very slightly carbonaceous, slightly silty, medium to dark gray, in very fine fragments.
- 340-895 Shale, very slightly calcareous to non-calcareous, very slightly silty, very slightly carbonaceous, very finely micro-micaceous, very fine grained, medium to dark gray, flaky to chunky. Occasional sub-waxy lustré.
- 340-360 Minor amounts of cavings - mostly gravel, ranging from weathered sandstone, shales and limestone to acidic type and basic type igneous rocks. Much of this has a rusty weathered appearance. The weathered shale is light gray green and micro-micaceous, with fragments, well rounded - apparently weathered. Simpson shale.
- 340-360 Trace limestone, dolomitic, slightly silty, slightly argillaceous, slightly carbonaceous, dark to light brown - mostly medium brown, very fine sugary to less often crystalline, varying in amount of dolomite and silt.
- 350-360 Minute amounts siltstone, medium calcareous, often quite argillaceous, medium to dark gray, grading to shale, medium to fine grained. Occasionally with glauconite.
- 360-370 Minute amounts limestone as described from 340' to 360'.
- 360-370 Trace pyrite.
- 360-400 Trace cement particles.
- 360-380 Trace gravel as described from 340-360'.
- 370-380 Trace limestone as described from 340'-360'
- 380-895 Occasional trace gravel cavings.
- 380-390 Trace calcite development in shale - one fragment.
- 380-400 Occasional trace limestone as described from 340-360'.
- 390-400 Trace pyrite.
- 400-480 Shale, occasionally silty.

- 450- N.B. occasional brownish discolourations of the shale due to overheating while drying.
- 460-480 Trace very thin calcite veins in shale.
- 480-490 Trace pyrite in shale.
- 480-835 Shale generally very fine grained with occasional silt developments.
- 480-660 Shale generally flakey - also for some thickness prior to this.
- 500-520 Trace calcite associated with shale.
- 500-540 Trace siltstone as described from 350-360'.
- 510-550 Shales, occasionally silty.
- 550-560 Trace pyrite in very fine grained shale - almost minor amounts very finely desiminated.
- 560-570 Trace pyrite in shale.
- 560-620 Shales, occasionally silty.
- 570-580 Occasional fragments, brown silty limestone.
- 580-590 Trace, limestone, very silty, very dark brown, coarsely crystalline.
- 580-590 Trace pyrite associated with shale and calcite.
- 590-600 Trace fine pyrite in shale.
- 590-600 Trace siltstone as described from 350'-360'
- 600-620 Minute amounts siltstone as described from 350-360' - often very calcareous, usually very argillaceous.
- 600-610 Trace limestone, silty, as described from 340'-360'. Occasional grading to siltstone.
- 610-620 Trace limestone as described from 580'-590', grading to very calcareous siltstone.
- 620-630 Trace thin calcite vein in shale.
- 640-830 Shales occasionally silty.
- 650-660 Trace pyrite.
- 660-895 Shales somewhat more chunky.
- 680-690 Trace calcite, silty and argillaceous, very dark brown, coarsely crystalline.
- 690-700 Trace pyrite, finely disseminated in shale.
- 710-720 Trace dolomite, slightly argillaceous, medium brown, very fine grained texture, grading to shale?
- 710-720 Trace siltstone, very argillaceous, dark gray, grading to shale.
- 720-730 Trace calcite as described from 680'-690'.
- 750-760 Trace dolomite, described from 710-720.

- 760-770 Large amounts (up to 40%) siltstone, very argillaceous, slight to very calcareous, medium to dark gray, medium grained, grading to shale.
- 770-780 Trace foregoing siltstone.
- 800-810 Traces siltstone as described from 760'-770'.
- 800-810 Trace calcite as described from 680'-690' associated with shale.
- 810-820 Trace dolomite as described from 710'-720' associated with shale.
- 820-830 Large amounts (up to 30%) siltstone as described from 760'-770'.
- 830-860 Minor amounts foregoing siltstone, occasionally with calcareous development.
- 830-840 Shales often quite silty.
- 840-895 Shales occasionally silty.
- 860-895 Trace siltstone as described from 830'-860'.
- 870-880 Trace pyrite finely disseminated in shale.
- 895 Based on a sudden constant increase in drilling time

895-980

Siltstone, (usually over 50%), ranging from predominately very calcareous-very slightly argillaceous, through slightly calcareous-slightly argillaceous to very slightly calcareous-very argillaceous, occasionally micaceous, occasionally pyritic, light gray brown to very dark gray, generally medium sugary texture to crystalline - when very calcareous to very fine grained when very shaley, very occasionally fossiliferous, tight.

- 895-980 Shale (usually less than 50%), very slightly calcareous to non-calcareous, very slightly carbonaceous, occasionally pyritic, micro-micaceous, occasionally silty, medium to dark gray, often very fine grained, flakey to chunky.
- 895-900 Brachiopod fragment in siltstone.
- 895-910 Trace pyrite in siltstone.
- 895-900 Trace dolomite as described from 710'-720' in siltstone fragments with line of demarkation very distinct.
- 900-910 Much siltstone, quite argillaceous grading to silty shale.
- 910-930 Much siltstone light gray to white, with many fragments showing lamination and contact with shale.
- 920-930 Occasional light gray to white calcareous siltstone fragments cut by thin calcite veins.
- 920-930 Trace pyrite in dark gray shale.
- 920-960 Trace pyrite very finely disseminated in siltstone.
- 920-930 Brachiopod fragment in siltstone.

	930-940	Large fragment pyrite.
	930-950	A little siltstone still laminated.
	930-940	Siltstone generally medium to dark gray and very calcareous.
	940-950	Siltstone, generally medium to light gray and less calcareous.
	950-960	Shale/siltstone about 50/50
	950-960	Siltstone generally medium to dark gray and calcareous.
	960-970	Shale 10%
	960-970	Much siltstone - medium gray, slightly calcareous, and flakey.
	960-970	Trace thin calcite veins in siltstone.
	970-980	Siltstone, generally darker and more calcareous.
	980-990	Shale about 60%.
980-1290		Shale as described from 895-980, occasionally micaceous and occasionally pyritic.
	980-1290	Siltstone, (usually less than 25%), very to slightly calcareous, occasionally micaceous, occasionally pyritic, occasionally argillaceous - grading to shale, dark to light gray, medium to fine grained.
	980-1020	Minor amounts siltstone, laminated and grading to shale.
	990-1020	Minor amounts shale, laminated and grading to siltstone
	990-1110-	Minor amounts siltstone.
	1000-1010	Trace pyrite in silty shale fragment.
	1000-1010	Trace thin calcite vein in coarse siltstone fragment.
	1010-1040	Siltstones, becoming very argillaceous and more calcitic and finer grained.
	1010-1040	Trace shale, quite silty.
	1010-1020	Siltstone up to 40%.
	1030-1040	Minor amounts shale, very dark gray - almost black, occasionally silty - grading to very dark gray calcareous siltstones - slightly carbonaceous.
	1040-1050	Minor amounts lighter coloured, less argillaceous, siltstones.
	1040-1060	Minor amounts pyrite finely disseminated throughout much shale and siltstones.
	1040-1290	Shale generally very dark gray and very fine grained.
	1060-1065	Circulated.
	1070-1110	Trace shale - siltstone laminations.

1070-1080	Trace dark crystalline, very calcareous siltstone.
1100-1110	Much silty shale and argillaceous siltstones.
1100-1120	Trace siltstone, very calcareous, dark brown, very fine grained, dense, hard.
1110-1150	Trace pyrite in shale.
1110-1160	Trace siltstone.
1130-1150	Frequent small lenses of dense very fine grained calcareous siltstone in shale.
1140-1150	Shale, occasionally silty.
1160-1170	Minor amounts, siltstone, often very calcareous and often very argillaceous - slightly micaceous.
1160-1300	Shale, occasionally silty.
1160-1190	Occasionally silty - shale laminations.
1160-1170	Trace pyrite finely disseminated in siltstone.
1170-1180	Trace siltstone as described from 1160-1170.
1180-1190	Minor amounts siltstones as described from 1160-1170.
1190-1200	Trace pyrite finely disseminated in siltstone.
1190-1200	Siltstones - 30%
1190-1200	Trace pyrite finely disseminated in shale.
1190-1200	Minor amounts, Very light gray calcareous siltstone.
1200-1210	Trace siltstones, mainly calcareous and medium to dark gray; argillaceous in part, and micaceous.
1210-1220	Trace siltstones, mainly non-calcareous or very slightly calcareous, very slightly argillaceous, medium grained to very fine grained but dense and compact. Medium-dark gray.
1220-1290	Minor amounts siltstone as described from 1200-1210 and from 1210-1220, some siltstone, very argillaceous.
1230-1240	Trace pyrite in siltstone.
1240-1250	Siltstones usually light to medium gray-brown in colour, occasionally almost exclusively arenaceous.
1240-1260	Siltstones 30%.
1250-1260	Trace pyrite in siltstone.
1260-1270	Much "arenaceous" siltstone and much argillaceous siltstone.
1260-1270	Siltstones 40%
1270-1280	Siltstones 50%
1270-1290	Pyrite rather abundant in siltstone either as fine disseminations or less frequently as globular and botriodal developments in calcareous siltstone.
1270-1290	Trace pyrite in shale.

- 1280-1290 Trace shale, black, slightly pyritic, very fine grained, carbonaceous, occasionally very slightly silty, very slightly calcareous, associated with lighter gray shales.
- 1280-1290 Siltstone 40%
- 1290-1300 Missing
- 1300-1310 Shale, non-calcareous to very slightly calcareous, very slightly carbonaceous, micro-micaceous to occasional micaceous, occasionally pyritic, medium to occasionally dark gray, very fine grained, occasionally silty - the same as most previous shales.
- 1300-1310 Siltstone, (40%), slightly calcareous, slightly micro-micaceous, light gray-brown, very fine grained to very fine sugary texture, dense and compact. Trace coarse siltstones.
- 1300-1330 Trace pyrite in very dark gray shale.
- 1300-1320 Trace pyrite in calcitic silty matrix. See description from 1270-1290.
- 1310-1320 Shale as described from 1300-1310 with occasionally very black carbonaceous or sub-bituminous looking fragments. Occasional thin black stringers in shale, parallel to bedding plane. Gypsum shale, occasionally waxy in lustre.
- 1310-1320 Siltstone, predominantly, medium grained, tight sugary texture, moderately calcareous, occasionally pyritic, with varying amounts of sub-bituminous material in the matrix, very dense, compact and tight, black to medium gray, grading imperceptibly to the non-sub-bituminous very fine grained siltstone described from 1300-1310. The bitumin or sub-bitumen would not fluoresce nor could it be cut by C Cl₄. One fragment of sub-bituminous siltstone was noted as a lamella or thin band in medium gray shale.
- 1310-1320 Trace pyrite in sub-bituminous siltstone.
- 1320-1330 Shale as described from 1300-1310 with traces of black to very dark gray carbonaceous shale (sub-bituminous).
- 1320-1330 Minor amounts siltstone as described from 1300-1310 but including more argillaceous varieties and occasionally very pyritic. Very little sub-bituminous siltstone.
- 1320-1330 Pyrite occasionally very abundant in siltstone.
- 1330-1340 Shale, predominately medium to very dark gray, slightly pyritic to very pyritic, very fine grained, flakey, grading to minor amounts of shale, very dark gray to black, very pyritic to slightly pyritic, carbonaceous or sub-bituminous.
- 1330-1350 Trace siltstone as described from 1320-1330.
- 1330-1340 Pyrite occasionally very abundant in medium to dark shales.
- 1340-1350 Shale, now predominantly black as described from 1330-1340, occasionally very pyritic to commonly non-pyritic.
- 1340-1350 Minor amounts gray shale as described from 1330-1340 - usually non-pyritic.
- 1340-1350 Minor amounts of free pyrite - often associated with black shales.

1350-1370

Shale, sub-bituminous, micro-micaceous, occasionally very pyritic, black, fine grained, occasionally cut by very thin white calcite veins.

1350-1360 Trace gray shale as described from 1330-1340, occasionally pyritic.

1350-1370 Pyrite, finely disseminated to occasionally concentrated in black shale.

1350-1370 Occasional fragments of gray siltstone as described from 1320-1350' (cavings)?

1350-1360 Traces free pyrite associated with black shale.

1360-1370 Black shale less pyritic and with fewer calcite veins.

1360-1370 Gray shales increased to minor amounts - cavings?

1370 Beginning 5' samples.

1370-1375

Siltstone, very calcareous, sub-bituminous, very pyritic but very minutely so, slightly argillaceous?, very dark gray to black, cut by relatively thick bitumen-bearing calcite veins, very fine crystalline looking to very fine sugary texture; the siltstone grades imperceptibly to a "limestone", which is very similar in appearance except it is slightly lighter in colour and slightly more crystalline in appearance being slightly coarser grained. The limestone does not seem to be cut by calcite veins. Like the siltstone, it is sub-bituminous, and very pyritic. For all its abundance the pyrite in both the limestone and siltstone is not immediately noticable except under high power due to the minuteness of the crystals. Pyrite was not observed in the calcite veins. The limestone was at least slightly silty.

Remarks: The foregoing siltstone may have had the following history:

1. Deposition of siltstone with or without attendant deposition of bitumen-forming substances and calcareous material.
2. Compression and possible migration of bitumen based material from overlying black shales into limestone.
3. Calcareous crystallization with formation of pyrite.
4. Formation of calcite veins with bitumen migrating into fissures from the siltstone leaving sub-bituminous material behind - due to action of hydrothermal solutions.
5. Deposition of calcite from hydrothermal solution in siltstone and in fissures. The bitumen globules became entrapped in the fissures and were caught between the crystal growths of calcite accounting for the pseudo-crystalline forms of much of the bitumen. Note - no pyrite was found in the calcite veins, although abundant in the siltstone and limestone. Note - no bitumen was found in the siltstone although sub-bitumen was exceedingly abundant - some bitumen did occur in the limestone, however.

1370-1375 Minor amounts black shale (cavings?)

1370-1380 Trace gray shales - cavings.

1370-1375 Trace gray siltstones - cavings.

- 1375-1380 Chert: (detrital?), very dark gray to black, frequently cut by white, bitumen-bearing calcite veins, slightly vugular but impermeable with vugs lined by bitumen and filled with calcite. Fragments occasionally in contact with "limestone" as described from 1370'-1375' but bearing very little pyrite, and lots of sub-bitumen.
- 1375-1380 Minor amounts of siltstone and "limestone" as described from 1370'-1375'
- 1380-1385 Limestone, slightly to very sub-bituminous, slightly argillaceous, slightly silty, with occasional minute quartz prisms, slightly bituminous, with occasional to frequent minute bitumen inclusions, medium to very dark gray, finely crystalline, tight; occasionally large bituminous inclusions sometimes occur. Limestone very occasionally cut by calcite stringers.
1380-1385 Trace free pyrite - caving?
- 1380-1385 Trace shales, black and gray - cavings.
- 1385-1390 Shale cavings, predominantly gray - 40%, occasionally very pyritic.
- 1385-1390 Minor amounts chert as described from 1375'-1380', cavings?
- 1385-1390 Traces limestone as described from 1380-1385'.
- 1385-1390 Traces siltstone as described from 1370-1375 -cavings.
- 1385-1390 Predominantly - cavings.
- 1390-1395 Limestone as described from 1380-1385' but generally more bituminous and sub-bituminous and occasionally exceedingly siliceous-almost tripolitic. Minute bitumen inclusions are common.
1390-1395 Ostracod fragments.
1390 Traces to minor amounts. Shale cavings.
- 1395-1400 Limestone, slightly siliceous, very slightly argillaceous and/or sub-bituminous, frequently cut by crystalline calcite stringers and often containing calcite inclusions, medium to light gray, almost cryptocrystalline. Tight.
1395-1400 Minor amounts limestone as described from 1390-1395.
- 1400-1430 Limestone, predominantly slightly siliceous, slightly bituminous, slightly argillaceous, slightly sub-bituminous, with occasional minute quartz prisms, dark gray-brown, finely crystalline, tight. Occasionally fossiliferous, occasionally pyritic.
1400-1405 Minor amounts limestone as described from 1395-1400', grading into the above limestone and occasionally soft or chalky. Occasionally with bitumen, occasionally pyritic.
1405-1410 Trace limestone described 1400-1405'
1405-1410 Trace pyrite in dark gray limestone.
1405-1415 Occasional ostracods in dark gray limestone.
1405-1410 Limestone, occasionally cryptocrystalline with a few calcite inclusions.
1405-1430 Occasionally calcite stringers in limestone.
1410-1415 Occasionally bitumen inclusions in limestone.
1415-1420 Limestone occasionally coarsely crystalline.
1415-1430 Limestone, occasionally pyritic.

- 1420-1425 limestone, occasionally very bituminous.
- 1420-1425 trace limestone as described from 1395'-1400' but with much fewer calcite stringers - medium gray-brown.
- 1425-1430 Limestone generally very fine crystalline and very dark gray - almost black.
- 1425-1430 Brachiopod fragments in very dark gray limestone.
- 1430-1445 Limestone, slightly siliceous, slightly argillaceous, slightly pyritic, medium gray - brown, cryptocrystalline, with occasional inclusions of calcite. Tight.
- 1430-1435 Minor amounts limestone described from 1400'-1430' cavings?
- 1435-1440 Traces limestone described from 1400-1430, cavings?
- 1435-1445 Occasionally bitumen inclusion in limestone.
- 1435-1445 Occasionally thin calcite stringer in limestone.
- 1440-1445 Limestone becoming darker in colour.
- 1445-1490 Limestone, slightly siliceous, slightly argillaceous, very slightly pyritic, dark gray-brown to black, very fine crystalline, tight, slightly bitumen and/or sub-bitumen to moderately so occasionally cut by calcite stringers with/occasional minute quartz prisms.
- 1445-1450 Minor amounts limestone as described from 1430-1445'
- 1450-1455' Occasional ostracods in limestone - one noted with a central sulcus.
- 1450-1455 Limestone, occasionally very bitumen or sub-bituminous.
- 1455-1485 Limestone, frequently bitumen or sub-bituminous.
- 1455-1460 Trace limestone as described from 1430'-1455'
- 1460-1470 Occasional ostracod fragments.
- 1460 Light gray limestone due to crushing and shearing at the darker limestone.
- 1470-1475 Missing.
- 1475-1480 Ostracod Fragment.
- 1480-1485 Trace limestone as described from 1430-1455'
- 1485-1490 Some limestone slightly lighter in colour and slightly sugary in texture but tight.
- 1490-1495 Limestone, moderately siliceous with frequent minute quartz prisms, very slightly argillaceous, occasionally cut by minute calcite stringers, medium to light gray-brown, cryptocrystalline to micro-sugary appearance, tight - one fragment with bitumen inclusions.
- 1495-1510 Limestone, much the same as that described from 1445'-1490', occasionally even finer grained, dark gray-brown.
- 1495-1500 Minor amounts limestone described from 1490-1495'.
- 1500-1505 One fragment limestone very pyritic.
- 1500-1510 Limestone, occasionally bitumen to sub-bituminous.

- 1505-1510 Occasional ostracods in limestone.
- 1510-1515 Limestone much the same as that described from 1490-1495' occasionally with bitumen or sub-bituminous inclusions; occasionally with pyrite. Bituminous-like material may also occur as local fine disseminations of dark gray or black.
- 1515-1525 Limestone, very slightly siliceous, very slightly pyritic, slightly to very bitumen to sub-bituminous, slightly argillaceous, very dark gray to black, very fine crystalline, occasionally fossiliferous, tight, occasionally cut by fine calcite veins, occasionally minute quartz prisms.
- 1515-1525 Occasionally ostracod in limestone.
- 1515-1525 Limestone often very bitumen or sub-bituminous, black.
- 1525-1530 Limestone - almost 70% silica (tripolitic?) otherwise very like limestone described from 1515-1525, Silica too fine for a siltstone, texture - very fine, sugary
- 1525-1530 Trace limestone as described from 1515-1525.
- 1530-1540 Limestone, slightly siliceous, with occasionally minute quartz prisms, slightly argillaceous, occasionally with bitumen or sub-bituminous, very fine crystalline to microcrystalline, tight, very dark gray to black, occasionally cut by fine calcite stringers.
- 1530-1535 Trace limestone as described from 1510-1515'.
- 1530-1535 Ostracod fragments.
- 1530-1540 Limestone occasionally very bitumen or sub-bituminous - black.
- 1535-1540 Limestone occasionally pyritic.
- 1540-1560 Limestone, micro-micaceous, dolomitic, slightly siliceous, very slight pyritic, with occasional minute quartz prisms, slightly argillaceous, very dark gray to black, very fine sugary texture, to very fine crystalline, tight, occasional slight sub-bituminous or bitumen. Note: Dolomite rhombs are plentiful and evenly distributed.
- 1540-1545 Minor amount limestone as described from 1530-1540.
- 1550-1555 Minor amount limestone, slightly siliceous with occasionally minute quartz prisms, slightly argillaceous, slightly bitumen to sub-bituminous, occasionally cut by fine calcite veins, medium to very dark gray-brown, very fine crystalline with occasionally small dolomitic rhombs, tight.
- 1555-1565 Traces limestone as described from 1550-1555.
- 1560-1565 Limestone, very siliceous - almost "tripolitic" with occasionally minute quartz prisms, dolomitic with occasionally small dolomite rhombs, argillaceous, slightly bitumen to sub-bituminous, dark gray-brown to almost black, very fine sugary to very fine crystalline texture, slightly pyritic.
- 1565-1575 Limestone, as described from 1550-1555, dolomitic, rather argillaceous and occasionally pyritic, bearing occasional dolomite rhombs, fine grained to almost sugary, dark gray-brown.
- 1565-1575 Trace limestone as described from 1560'-1565'.
- 1575-1580 Limestone, very much like that described from 1560'-1565', slightly pyritic.
- 1580-1585 Limestone, argillaceous, slightly siliceous, slightly pyritic, with occasionally dolomite rhombs, dark gray-brown to very dark

- gray, micro crystalline, cut by occasional fine calcite stringers.
- 1585-1590 Limestone, slightly siliceous, with occasionally minute quartz prisms, slightly argillaceous, medium gray and crypto-crystalline grading directly into limestone as described from 1560-1565 giving the cuttings a mottled light gray-dark gray appearance. Dolomite rhombs are abundant in the dark gray limestone.
- 1590-1645 Limestone, slightly siliceous, with occasionally minute quartz prisms, slightly argillaceous, slightly dolomitic with occasionally minute dolomitic rhombs, medium to dark gray or gray-brown, very fine crystalline to very fine sugary, tight, occasionally cut by thin calcite veins, very slightly pyritic.
- 1595 Crinoid columnar fragment in limestone.
- 1595-1600 Limestone becoming darker, dolomite rhombs increasing in size and amount.
- 1595-1600 Minute amounts chert, frequently cut by fine calcite stringers, often containing rhombs of dolomite and crystals of pyrite, very dark gray-brown.
- 1600-1645 Limestone, slightly bitumen to sub-bituminous.
- 1605-1610 Minor amounts limestone as described from 1560-1565 occasionally very dolomitic with numerous rhombs. This limestone grades into the limestone described from 1590-1645'.
- 1615-1620 Quartz prisms in limestone quite elongate.
- 1620-1625 Trace very dolomitic moderately bitumen or sub-bituminous. Limestone in contact with limestone described from 1590-1645'.
- 1625-1630 Dolomite rhombs very abundant; limestone grading to that described from 1605-1610' and 1620-1625'.
- 1635-1645 Dolomite rhombs very abundant in limestone.
- 1635-1640 Trace limestone as described from 1620-1625'.
- 1635-1640 Ostracod fragment in limestone.
- 1640-1645 Minor amounts limestone as described from 1560-1565' occasionally very dolomitic with numerous rhombs grading into limestone described from
- 1640-1645 Limestone generally dark and occasionally very fine grained.
- 1645-1650 Limestone, moderately siliceous, very slightly argillaceous, very occasionally containing minute dolomite rhombs, medium gray, crypto-crystalline, tight.
- 1645-1650 Minor amounts very dolomitic (abundant rhombs) occasionally bituminous to sub-bituminous limestone., occasionally grading into above limestone.
- 1650-1655 Limestone, very siliceous, (tripolitic?), slightly argillaceous, very slightly pyritic, occasionally bitumen to sub-bituminous, dark to very dark gray, very fine crystalline, tight, possibly grading to limestone described from 1645-1655.
- 1655-1660 Limestone, moderately siliceous, very slightly argillaceous, very slightly pyritic, occasionally in contact with layers of bitumen to sub-bituminous material, medium to light gray-brown, crypto-crystalline, tight.
- 1660-1665 Limestone, slightly siliceous, slightly argillaceous, occasionally bitumen to sub-bituminous, pyritic, dark gray-brown, very fine crystalline, tight.

- 1665-1680 Limestone, moderately siliceous, slightly argillaceous, slightly pyritic, with occasional calcite inclusions, very occasionally with bitumen to sub-bituminous inclusions, medium to dark gray-brown, crypto-crystalline, tight.
- 1665-1670 Trace ostracod fragments? in limestone.
- 1670-1680 Limestone, more siliceous and less argillaceous, also less brown in colour.
- 1675-1680 Limestone tending to be almost tripolitic, colour now dark gray and texture becoming very fine crystalline.
- 1680-1685 Limestone, very siliceous, argillaceous, almost tripolitic, slightly pyritic, dark gray, very fine crystalline, occasionally with bitumen or sub-bituminous, tight.
- 1680-1685 Trace ostracod fragments in limestone.
- 1685-1690 Limestone, moderately siliceous, slightly pyritic, dark gray, crypto-crystalline, tight.
- 1690-1710 Limestone, slightly siliceous, slightly argillaceous, very slightly dolomitic, occasionally bitumen to sub-bituminous, very fine crystalline to very fine sugary texture, dark gray-brown, tight, occasionally cut by very fine calcite veins.
- 1695-1700 Ostracod fragments in limestone.
- 1700-1710 Occasionally minute quartz prisms in limestone.
- 1700-1705 Trace limestone as described from 1665-1680.
- 1705-1710 Limestone, more bituminous to sub-bituminous and more argillaceous.
- 1705-1710 Ostracods moderately abundant in limestone.
- 1705-1710 Trace pyrite in limestone.
- 1710-1720 Limestone, slightly siliceous, with occasionally minute quartz prisms, slightly argillaceous, very slightly pyritic, occasionally with bitumen to sub-bituminous inclusions, very slightly dolomitic, medium gray-brown, crypto-crystalline to very fine crystalline, tight, occasionally with small calcite inclusions; with occasionally thin calcite stringers.
- 1715-1720 Limestone, very fine crystalline.
- 1715-1720 Minute quartz prisms often quite elongate.
- 1720-1770 Limestone, siliceous, with occasionally minute quartz prisms, occasionally bitumen to sub-bituminous, slightly to moderately argillaceous, dark gray, very fine crystalline to micro-crystalline, occasionally cut by thin white calcite veins, occasionally slightly pyritic.
- 1720-1725 Ostracod fragment in limestone.
- 1725-1730 Limestone with many minute calcite crystals included, very dark gray.
- 1730-1735 Limestone, quite bitumen to sub-bituminous, very argillaceous and very siliceous, almost black and very fine crystalline, occasionally pyritic.
- 1735-1740 Missing.
- 1740-1745 Limestone, dark to medium gray, moderately siliceous, slightly pyritic and micro-crystalline.

- 1740-1745 Occasionally ostracod fragments.
- 1745-1755 Limestone, crypto-crystalline, almost black, moderately argillaceous, slightly pyritic, very dense, associated with occasional bitumen.
- 1745-1755 Free calcite and quartz crystals not uncommon.
- 1760-1765 Limestone, very dark gray, very fine crystalline, quite argillaceous, apparently micro-micaceous.
- 1765-1770 Ostracod in limestone.
- 1770-1780 Limestone, slightly siliceous, argillaceous, pyritic, occasionally with crystalline calcite inclusions dark gray-brown, very fine to micro-crystalline; occasionally cut by very thin calcite stringers.
- 1780-1795 Limestone, slightly siliceous, pyritic, argillaceous, micro-micaceous?, occasionally cut by white calcite veins, black, very fine crystalline to very fine sugary texture, carbonaceous?
- 1785-1790 Trace limestone as described from 1770-1780.
- 1785-1795 Minor amounts limestone dark gray in colour.
- 1790 Minor amounts limestone as described from 1795.
- 1795-1800 Limestone, slightly siliceous with occasionally minute quartz prisms, slightly argillaceous, slightly pyritic, occasionally cut by thin calcite stringers, dark gray-brown, micro-crystalline, with occasionally calcite inclusions.
- 1800-1810 Limestone as described from 1780-1795, very dark gray - a large percentage of insolubles, micro-micaceous, material may be actually pyrite, slightly dolomitic?
- 1805-1810 Limestone grades to that described from 1795-1800.50/50
- 1810-1820 Limestone, slightly siliceous, argillaceous, pyritic, with occasionally calcite inclusions, occasionally dolomitic?, occasionally fossiliferous, dark gray-brown, micro-crystalline to fine crystalline and fine sugary texture.
- 1810-1815 Occasionally ostracods in limestone.
- 1820-1825 Limestone, very dolomitic, slightly siliceous, argillaceous, slightly pyritic, occasionally fossiliferous, medium to light gray, sugary to very fine granular texture, tight, composed of dolomite rhombs imbedded in a calcareous matrix.
- 1820-1825 Ostracods in dolomitic limestone.
- 1825-1830 Dolomite, very calcareous, slightly siliceous, slightly argillaceous, slightly pyritic, occasionally fossiliferous, occasionally cut by calcite stringers, medium gray-brown, fine crystalline to fine granular, tight.
- 1825-1830 Ostracods very abundant in calcareous dolomite.
- 1830-1835 Limestone, slightly siliceous with occasionally minute quartz prisms, slightly pyritic, argillaceous, occasionally cut by calcite stringers, medium to dark gray, very fine crystalline to micro-granular; slightly dolomitic?
- 1830 Occasionally ostracod fragments in limestone.
- 1835-1840 Missing.
- 1835-1845 Very rough drilling.

- 1840-1845 Limestone, slightly siliceous, argillaceous, occasionally pyritic, with abundant minute often very elongate quartz prisms, bioclastic with abundant obscure fossil fragments all very minute; medium gray, very fine crystalline, tight.
- 1840-1845 Calcite rhombs, clear, not uncommon.
- 1840-1845 Many shale cavings and much chalky mud.
- 1840-1845 Rounded ostracod - like forms in limestone.
- 1845-1860 Dolomite, very calcareous, slightly siliceous, argillaceous, slightly pyritic, occasionally cut by calcite veins, medium-gray-brown, very fine crystalline to micro-granular, tight, - grading to dolomitic limestone occasionally.
- 1845-1850 Trace calcite prisms.
- 1855-1860 Dolomite, dark gray, dense, fine crystalline.
- 1860-1880 Dolomite as described from 1845-1860' but dark gray, fine crystalline to very fine sugary texture, very argillaceous, and dense, slightly calcareous.
- 1865-1885 Trace calcite rhombs.
- 1865-1870 Trace very chalky mud.
- 1870-1880 Dolomite quite argillaceous, very fine grained - micro crystalline, very dark gray.
- 1870-1875 Minor amounts white chalky mud.
- 1880-1890 Dolomite, very calcareous, slightly siliceous, very argillaceous, pyritic, occasionally cut by calcite veins, medium gray, very fine micro-crystalline, tight, micro-micaceous? - probably very fine pyrite.
- 1880-1890 Minor amounts light gray to white chalky mud.
- 1885-1890 Minor amounts calcite rhombs.
- 1890-1895 Limestone, slightly siliceous with occasionally minute elongate quartz prisms, ^{twining} prisms occasionally crystal, very slightly pyritic, Bioclastic formed of numerous minute white rounded occasionally concentrically banded structures - algal material? white, soft crypto-crystalline.
- 1890-1895 Silica - Soft but not very porous, moderately pyritic, calcareous in varying degrees, pale green, crypto-crystalline, tight about 10%
- 1890-1895 Calcite very abundant - 30%
- 1890-1895 White to occasional gray chalky mud. 30%
- 1890-1895 Very blocky drilling.
- 1895-1900 Limestone, slightly siliceous, with occasional minute elongate quartz prisms - very slightly pyritic, pure white, micro-crystalline, soft, occasional chalky, tight.
- 1895-1900 Trace calcite.
- 1900-1910 Calcite, large rhombs, clear to white. 80%
- 1900-1905 Minor amounts silica as described from 1890-1895'
- 1900-1910 Minor amounts white chalky mud.
- 1900-1905 Trace limestone fragmental, bioclastic as described from 1890-1895.
- 1900-1915 Drilling very blocky.

1900-1905	Trace pyrite aggregates - formed from many small crystals and very calcareous and very siliceous with abundant quartz prisms.
1905-1910	Occasionally pyritic dolomite rhomb clusters included in calcite.
1905-1910	Minor amounts pyrite aggregates as described from 1900-1905'.
1905-1915	Trace limestone as described from 1895-1900'.
1910-1915	A predominately calcareous conglomeration of pyrite, dolomite rhombs and minute quartz prisms with a calcite cement, medium to dark gray, soft, very fine sugary texture, very siliceous.
1910-1915	Minor amounts, gray to white chalky mud.
1910-1915	Trace large clear quartz crystals.
1915-2005	Limestone, slightly siliceous with occasionally minute elongate quartz prisms, very slightly pyritic, often fragmental, biclastic; apparently algal on occasion, at times re-crystallized in appearance, <u>white</u> , crypto-crystalline to micro-crystalline.
1915-1920 -----	Minor amounts calcite crystals, 20%
1915-1920	Trace pyrite aggregates as described from 1900'-1905'
1920-1920	Minor amounts white chalky mud. 10%
1920-1925	Minor amounts calcite crystals.
1925-1945	Traces white chalky mud.
1925-1960	Trace calcite crystals.
1925-1960	Trace black siliceous, argillaceous, possibly carbonaceous, inclusions and streaks in limestone.
1925-1930	Limestone occasionally having a striated columnar appearance with black coatings on the column sides as described from 1925'-
1930-1935	Missing.
1935-1940	Trace large clear quartz fragments.
1935-1940	Limestone with a very fine crystalline appearance due to the crystalline nature of the matrix surrounding the small "algal" structures. Limestone also occasionally minutely fractured. Occasionally small calcite-filled vugs occur.
1935-1940	Dark shale and limestone cavings 30%
1940-1945	Limestone generally uniform in texture without any "algal-like" structures.
1945-1950	Limestone similar to that described from 1935'-1940' but also bearing occasional small calcite veins and occasional granular in appearance due to the breaking of the limestone around the algal-like structures rather than through them.
1945-1950	Minor amounts, gray to white chalky mud.
1945-1955	Shale wavings 30%
1945-1950	Occasionally ostracods in limestone.
1955-1960	Shale cavings 50%
1955-1965	Limestone composed of every type described since 1915'

1955-1980	Trace white chalky mud.
1955-1960	Trace porosity where occasionally quartz prisms absent
1960-1965	Shale and silt cavings 70%
1960-1965	Minor amounts limestone, <u>soft</u> white and <u>chalky</u>
1960-1965	Minor amounts calcite rhombs.
1965-1970	Shale cavings 30%
1965-1980	Limestone generally as described from 1940-1945'.
1965-1975	Trace calcite crystals.
1965-1970	Trace fine sugary limestone with pin-point porosity.
1975-1990	Shale cavings 90%
1975-1980	Minor amounts calcite crystals.
1980-1985	Minor amounts white chalky mud.
1980-1985	Trace white chalky limestone.
1985-1990	Minor amounts limestone, granular, fair to good intergranular pin-point porosity.
1985-1990	Minor amounts limestone - several types - all previously described from 1915.
1985-1995	Trace calcite crystals.
1990-1995	Limestone generally <u>very light gray, slightly argillaceous, still bioclastic, and bearing "algal" structures.</u> Occasionally with siliceous-pyritic black material thinly distributed.
1995-2000	Shale cavings 90%
1995-2000	Trace white chalky mud.
1995-2000	Minor amounts calcite crystals.
1995-2000	Trace limestone - many kinds - previously described.
1995-2000	Trace siliceous, calcareous, pyrite nodules.
2000-2005	Limestone - "algal" to even textured, white
2005-2010	Large amounts of, light gray to reddish gray to white chalky mud.
2005-2010	Shale cavings 40%
2005-2010	A mixture of quartz, calcite and argillaceous material and pyrite. The framework of the material is formed of numerous minute quartz prisms fused in random orientation forming a rather open network, the interstices of which are filled largely by calcite and to a lesser degree by pyrite, argillaceous material and very fine siliceous matter, colour-black, a lumpy crystalline texture.
2005-2010	Traces pale green siliceous material as described from 1890-1895, pyritic.
2010-2015	Dolomite; very slightly siliceous, very argillaceous, slightly pyritic, dark gray-brown to black, very fine crystalline to sugary-tight, occasionally cut by dolomitic veins.

- 2015-2025 Dolomite-grading from very light gray - almost white, non-argillaceous, into that mentioned from 2010'-2015', very fine crystalline to coarsely granular - tight. - a very heterogeneous mixture.
- 2015 Minor amounts white limestone cavings.
- 2020-2025 A great many cavings? - especially dark gray limestone.
- 2020-2025 Trace orange "mud" - may be foreign matter.
- 2025-2220 Dolomite, very slightly siliceous, slightly pyritic, very slightly argillaceous, with occasional black pyritic - slightly argillaceous, inclusions and streaks, very light gray-brown through medium gray. very fine crystalline to very fine sugary, occasionally cut by dolomite veins, occasionally with inclusions of dolomite crystals, tight, occasionally very minute quartz prisms.
- 2035-2040 Dolomite medium gray-brown, sugary, tight.
- 2055-2060 Slight increase of pyrite in dolomite.
- 2060-2100 Dolomite - light gray-brown.
- 2065-2070 Missing.
- 2080-2085 Dolomite, occasionally very pyritic - and generally more pyritic than usual.
- 2085-2090 One fragment of dolomite vein material noted with "bitumen"? pseudomorphs of pyrite crystals - bitumen very doubtful.
- 2090-2095 Dolomite, occasionally very pyritic.
- 2095-2100 Dolomite, slightly argillaceous.
- 2100-2110 Dolomite, light gray.
- 2110-2130 Dolomite, medium gray.
- 2110-2115 Dolomite, moderately siliceous with numerous minute quartz prisms, slightly argillaceous.
- 2115-2120 Dolomite, moderately siliceous with pyrite finely disseminated.
- 2130-2140 Dolomite, medium gray-mottled, occasionally dark gray.
- 2130-2140 Dolomite, moderately siliceous and argillaceous, slightly pyritic.
- 2140-2145 Dolomite, medium to light gray brown.
- 2145-2150 Dolomite, medium to dark gray.
- 2145-2150 Dolomite, moderately siliceous and argillaceous, slightly pyritic.
- 2145-2150 Fragment showing a distinct line of contact between a dark gray dense sugary dolomite and a white sugary dolomite.
- 2150-2155 Dolomite, a heterogeneous assemblage of colours - very light gray to very dark gray-brown, occasionally medium crystalline to sugary texture.
- 2155-2165 Dolomite, generally medium gray-brown, very fine sugary texture.
- 2160-2165 Trace pyrite in dolomite vein.
- 2165-2170 Dolomite generally medium - gray-slightly siliceous and argillaceous, very fine sugary texture.

- 2170-2180 Dolomite generally very dark gray-brown, fine sugary - sub-crystalline appearance, slightly argillaceous.
- 2180-2185 Dolomite, generally medium gray-brown, very fine sugary, sub-crystalline appearance, slightly argillaceous and siliceous.
- 2180
-2185 Fragment showing distinct contact of light gray, very fine sugary dolomite with dark gray-brown, very fine sugary, sub-crystalline dolomite.
- 2185-2190 Dolomite, medium gray-brown, very fine sugary texture
- 2190-2195 Dolomite, very dark gray-brown, slightly argillaceous, very fine sugary texture.
- 2195-2200 Dolomite, very dark gray-brown, slightly argillaceous-very fine sugary - sub-crystalline appearance. Occasionally flakes seem to have been partially recrystallized with a distinct but very irregular line of demarkation between a lighter sugary dolomite and a slightly darker partially crystal dolomite.
- 2200-2205 Dolomite medium gray-brown, very fine sugary texture.
- 2205-2210 Dolomite medium gray-brown, slightly pyritic, medium crystalline-sugary texture, tight.
- 2210-2220 Dolomite, medium gray-brown to dark gray, slightly pyritic, very fine sugary texture, slightly siliceous.
- 2220-2225 Dolomite, medium gray-brown, frequently pyritic, very fine grained, sugary texture.
- 2225-2230 Dolomite, medium gray-brown, slightly pyritic, very fine grained, sugary texture, with slightly inter-crystalline porosity in dolomite crystal developments in the fine grained dolomite.
- 2230-2235 Dolomite, medium gray-brown to medium gray, slightly pyritic, frequently in contact with large white dolomite crystal - vein material.
- 2235-2245 Dolomite, dark gray-brown, slightly pyritic, very fine sugary sub-crystalline appearance.
- 2240-2245 Dolomite, very dark gray-brown.
- 2245-2250 Dolomite, light to medium gray-brown, slightly pyritic, fine sugary texture, occasionally sub-crystalline in appearance.
- 2250-2260 Dolomite, medium gray-brown, very fine sugary texture.
- 2260-2265 Dolomite, medium to light gray-brown, medium crystalline sugary texture, tight.
- 2265-2270 Dolomite, medium gray-brown, slightly pyritic, very fine sugary sub-crystalline appearance.
- 2270-2275 Dolomite, dark gray-brown, slightly argillaceous, medium crystalline, sugary texture, tight.
- 2275-2280 Dolomite, dark gray-brown, slightly argillaceous, very pyritic, medium crystalline, sugary texture, with occasionally inter-crystalline porosity in dolomite crystal developments in the tight sugary dolomite.
- 2280-2285 Dolomite as from 2275-2280⁹ but very slight pyritic.

- 2285-2290 Dolomite, medium gray-brown, occasionally slightly pyritic, very fine sugary, tight but occasionally with fine inter-crystalline porosity where dolomite crystals well developed locally.
- 2290-2295 Dolomite, dark gray-brown, slightly argillaceous, very fine sugary, sub-crystalline, texture, tight.
- 2295-2300 Dolomite, medium to dark gray-brown, slightly argillaceous, very slightly pyritic, medium sugary crystalline texture, generally tight but with occasional inter-crystalline pin-point porosity in local dolomite crystal developments.
- 2300-2305 Dolomite as from 2295-2300 but more very fine sugary sub-crystalline in texture.
- 2305-2310 Dolomite, medium to light gray, slightly pyritic, fine sugary to sub-crystalline texture, generally tight but with occasional inter-crystalline and inter-granular pin-point porosity.
- 2310-2315 Dolomite, slightly calcareous, slightly pyritic, medium gray and micro-crystalline to medium gray-brown and very fine sugary texture, occasionally minutely clastic in appearance and often bearing minute dark gray "eyes" in a lighter coloured groundmass. Generally tight but possibly with occasional fine vugular porosity.
- 2315-2320 Dolomite, slightly argillaceous, medium to dark gray-brown, very fine sugary texture, very occasional inter-crystalline pin-point porosity in local crystal developments.
- 2320-2325 Dolomite, slightly argillaceous, slightly pyritic, very dark gray-brown, very fine sugary crystalline texture, tight except for very occasional local pin-point inter-crystalline porosity.
- 2325-2330 Dolomite, slightly calcareous, moderately pyritic, light gray, micro-crystalline, to medium gray-brown very fine sugary crystalline texture. Much the same as that described from 2310-2315.
- 2330-2335 Dolomite much the same as that described from 2315-2320: occasionally pyritic.
- 2335-2340 Dolomite, slightly argillaceous, medium to very dark gray brown, micro-crystalline to fine sugary crystalline texture, with much calcitic vein material and occasionally associated inter-crystalline pin-point to vugular porosity. Indications of some post-depositional fracturing of the dolomite.
- 2340-2345 Dolomite, slightly argillaceous, medium gray-brown, fine to very fine sugary crystalline texture, tight, with very occasionally pin-point inter-crystalline porosity in local crystal developments.
- 2345-2350 Dolomite, slightly pyritic, light to medium gray-brown, very fine sugary crystalline texture to fine sugary crystalline texture, with moderate inter-crystalline pin-point porosity in frequent local crystal developments.
- 2350-2355 Dolomite, slightly argillaceous, medium to very dark gray brown, very fine sugary crystalline texture, tight, very slightly calcareous.
- 2355-2360 Dolomite, slightly pyritic, medium gray-brown to light gray, micro-crystalline, occasional very pyritic, suspicions of rare vugular porosity, otherwise tight.

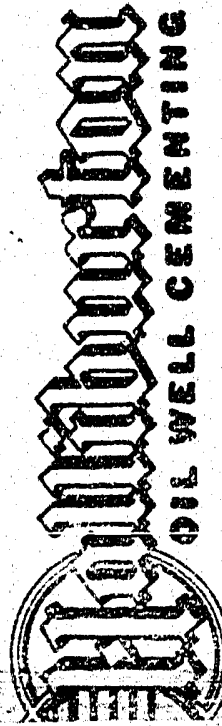
- 2355-2360 Lesser amounts other dolomites.
- 2360-2365 Dolomite, slightly argillaceous, very slightly pyritic, very dark gray-brown, very fine sugary crystalline texture, tight.
- 2365-2375 Dolomite, slightly pyritic but occasionally very much so, slightly argillaceous, medium gray to medium gray-brown to dark gray-brown, very fine sugary crystalline texture, to fine crystalline texture, occasional pin-point inter-crystalline porosity in local calcite - dolomite crystal developments.
- 2370-2375 Minor amounts dolomite as described from 2310-2315'.
- 2370-2380 Trace dolomite, light gray-brown, medium sugary texture with occasional pin-point intergranular porosity.
- 2375-2380 Dolomite much as described from 2310-2315'.
- 2375-2380 Minor amounts dolomite as described from 2365-2375'.
- 2380-2385 Dolomite, very slightly argillaceous, light to dark gray brown, fine sugary crystalline, texture, tight, occasionally very pyritic.
- 2385-2390 Dolomite, very slightly pyritic, very light to medium gray, medium sugary crystalline texture with frequent pin-point intergranular porosity.
- 2390-2395 Dolomite, slightly argillaceous, very pyritic, medium to very dark gray-brown, very fine sugary crystalline texture, tight except for very occasional pin-point inter-crystalline porosity in calcite - dolomite crystal vein developments. Much calcite-dolomite vein material present, veins numerous in dolomite.
- 2395-2400 Dolomite, very slightly argillaceous, very slightly pyritic, medium to dark gray brown, occasionally mottled, very fine sugary crystalline texture; grading to medium gray and gray-brown, micro-crystalline, dolomite generally tight but very occasionally pin-point inter-crystalline porosity in local crystal developments, dolomite slightly calcareous.
- 2400-2405 Dolomite, slightly argillaceous, medium to dark gray-brown, fine to medium sugary crystalline texture, occasionally with pin-point intergranular and inter-crystalline porosity; occasionally pyritic.
- 2405-2410 Dolomite, very slightly argillaceous, medium gray-brown, very fine sugary crystalline texture, with occasional pin-point inter-crystalline porosity in local crystal developments, very occasional pyritic.
- 2410-2415 Dolomite, very slightly argillaceous, slightly pyritic, medium gray-brown, very fine to fine sugary crystalline texture, with occasional pin-point intergranular and inter-crystalline porosity and with occasional minute crystal-lined vugs.
- 2415-2420 Dolomite, slightly pyritic - very finely so, medium gray, micro-crystalline, tight.
- 2415-2420 Trace dolomite as described from 2420'.
- 2420-2425 Dolomite, slightly argillaceous, dark gray-brown, very fine to fine sugary crystalline texture, tight.

- 2425-2430 Dolomite, very slightly pyritic, occasionally slightly argillaceous, medium to very dark gray-brown, micro-crystalline to very fine crystalline, tight, much white vein material.
- 2430-2435 Dolomite, very slightly pyritic, medium gray to gray-brown, micro-crystalline, tight.
- 2435-2440 Dolomite, very slightly pyritic, slightly silty, medium gray to gray-brown, micro-crystalline, tight; under the microscope the fragments often present a mosaic appearance with fine white threads of dolomite surrounding many rounded patches of gray dolomite which vary in size. Local crystal developments are not uncommon.
- 2440-2445 Dolomite, slightly argillaceous, dark gray-brown, very fine to fine sugary crystalline texture, tight.
- 2445-2450 Dolomite as from 2445-2450' but becoming slightly less argillaceous and slightly lighter gray-brown in colour.
- 2450-2455 Dolomite, slightly argillaceous, occasionally pyritic, medium gray to dark gray-brown, very fine sugary crystalline texture, much white dolomite vein material, tight except for occasional pin-point porosity in vein crystal developments.
- 2455-2460 Dolomite, slightly argillaceous, slightly pyritic, medium to dark gray brown, very fine sugary crystalline texture, occasionally with a very fine spotted-mottled effect, tight, occasionally very pyritic.
- 2460-2465 Dolomite, very pyritic, medium gray, very fine crystalline, with a fine spotted-mottled effect common; possible algal origin - bioclastic with occasionally apparent fossil fragments, tight.
- 2465-2470 Dolomite, slightly pyritic, medium gray, micro-crystalline, bioclastic as described from 2460-2465' but with much more non-clastic, even-coloured material present, tight.
- 2470-2475 Dolomite, slightly pyritic, very slightly argillaceous, medium gray-brown, very fine sugary crystalline texture, often with a spotted-mottled effect; tight, except for very occasional pin-point inter-crystalline porosity in local crystal developments.
- 2475-2480 Dolomite, slightly pyritic, micro-crystalline, medium gray, with occasionally spotted-mottled effect, probably algal and bioclastic, tight.
- 2480-2485 Dolomite, slightly pyritic, slightly argillaceous, mottled gray-brown and white, with the appearance of a "micro-conglomerate", with numerous subangular to well rounded gray-brown dolomite "blebs" of various sizes inbedded in a light dolomite ground mass. Fracturing often takes place around the blebs, but more often through them. Bioclastic - possibly algal; several suspected fossil fragments noted. Occasionally very pyritic. Occasional pin-point inter-crystalline porosity in local crystal developments.
- 2480-2485 30% shale cavings.
- 2485-2490 Dolomite, slightly argillaceous, very dark gray-brown, almost black, fine sugary crystalline texture, tight, but with very occasional pin-point inter-crystalline porosity.

- 2490-2495 Dolomite, slightly argillaceous, as described from 2485-2490' grading to medium gray and micro-crystalline, tight.
- 2495-2500 Dolomite as described from 2485-2490 but with very fine sugary crystalline texture, tight, at times with almost lamellar cleavage.
- 2500-2505 Dolomite, medium gray-brown, indistinctly mottled and spotted, very fine sugary crystalline texture, tight except for very occasional pin-point inter-crystalline porosity in local crystal developments.
- 2505-2510 Dolomite, slightly argillaceous, very slightly pyritic, light to very dark gray-brown, very fine sugary crystalline texture; associated with many large dolomite crystals in veins and possibly in vugs.
- 2510-2515 Dolomite, very slightly pyritic, medium gray to dark gray-brown, micro-crystalline, occasionally with a fractured, brecciated, re-crystallized appearance, associated with much dolomitic, calcite vein material, tight.
- 2515-2520 Dolomite, very slightly pyritic but occasionally very much so, medium gray, micro-crystalline, tight.
- 2515-2520 Trace pyrite "nodules" - very dolomitic.
- 2520-2525 Dolomite as described from 2510-2515' but lacking the fractured recrystallized element.
- 2525-2530 Dolomite as from 2520-2525' but more mottled and occasionally of fractured appearance.
- 2530-2535 Dolomite, a heterogeneous mixture of slightly pyritic, occasionally brecciated, light gray to medium gray-brown mottled, micro-to very fine crystalline, cuttings; associated with much white dolomite vein material, apparently tight.
- 2535-2540 Dolomite as described from 2530-2535' but very slightly argillaceous, darker gray-brown in colour and slightly more crystalline.
- 2540-2545 Dolomite, slightly pyritic, medium to dark mottled gray-brown, apparently brecciated and re-crystallized; tight except for occasionally small vugs and occasional pin-point inter-crystalline porosity in local crystal developments; very fine crystalline to micro-crystalline.
- 2545-2550 Dolomite, very slightly argillaceous, slightly pyritic, medium gray-brown, micro-crystalline, tight.
- 2550-2555 Dolomite, very slightly pyritic, medium gray-brown, micro-crystalline, tight.
- 2550-2555 Dolomite, very slightly pyritic, medium gray-brown, very fine crystalline, tight but with occasional pin-point inter-crystalline porosity in local crystal developments.
- 2555-2560 Dolomite, either very slightly siliceous or very slightly anhydritic - the particles are so small it is difficult to determine, medium to light gray and gray-brown, micro-crystalline, tight.
- 2560-2565 Dolomite, as described from 2555-2560' but also very slightly silty and lighter in colour.

- 2565-2570 Dolomite, very slightly siliceous or anhydritic?, slightly pyritic, light to dark gray, micro-crystalline, tight.
- 2570-2575 Dolomite, as from 2565-2570 but ranging from almost white to dark gray in colour, occasionally very fine crystalline.
- 2575-2580 Dolomite, very slightly siliceous or anhydritic?, slightly pyritic, medium gray, micro-crystalline to very fine crystalline, occasionally very slightly silty, tight.
- 2580-2585 Dolomite, very slightly siliceous or anhydritic?, slightly pyritic, medium to dark gray micro-crystalline to very fine crystalline, tight.
- 2585-2590 Dolomite, very slightly siliceous or anhydritic?, slightly pyritic, almost white to medium gray, micro-crystalline.
- 2590-2595 Dolomite, very slightly siliceous or anhydritic?, slightly pyritic, very slightly silty, medium to dark gray and gray-brown, very fine crystalline to micro-crystalline, very brittle, tight.
- 2595-2600 Dolomite, very slightly siliceous or anhydritic?, very slightly pyritic, white to very light gray, micro-crystalline to very fine crystalline, tight, very flakey.
- 2600-2605 Dolomite as from 2595-2600¹ but more micro-crystalline, and frequently with imbedded dolomite particles which are rounded and occur separately from one another usually - giving a minutely tapioca-like effect.
- 2605-2610 Dolomite, very slightly pyritic, very light gray, micro-crystalline, with an almost sub-trans-lucent lustre, tight, very brittle.
- 2610-2615 Dolomite, very slightly pyritic, very light to medium gray-brown, micro-crystalline to very fine crystalline, tight.
- 2615-2620 Dolomite as from 2610-2615⁴ but more uniform medium-gray-brown, colour.
- 2620-2640 Dolomite, very slightly pyritic, light gray-brown, micro-crystalline to very fine crystalline, flakey, tight.
- 2630-2640 Colour of dolomite grading to medium gray-brown.
- 2635-2640 Occasional fine vugular porosity.
- 2640-2645 Dolomite, very slightly pyritic, very light gray-brown, micro-crystalline. very flakey, tight.

Total Depth: 2645



ELECTRIC WELL LOG

Location
SOUTH SIDE OF
MACKENZIE RIVER
Longitude 122° 40'
Latitude 60° 08'
7

COMPANY BRITISH AMERICAN OIL CO. LTD.

FILE

WELL B.A. - HUDSON' BAY LONE MOUNTAIN # 2

FIELD WILDCAT

PROVINCE N.W.T. LSD

SEC TWP RGE W

SURVEY

Log Measured From KELLY BUSHING Elevation 395'

Drilling Measured From " Elevation "

Permanent Datum " Elevation "

Run No. ONE

Date SEPT. 3/53

Footage Logged 2288'

Total Depth, El. Log 2645'

Total Depth, Driller

Csg. Shoe, El. Log 357'

Csg. Shoe, Driller

Csg. Size 7"

Blk Size 6 1/8"

Mud Kind AQUAGEL BASE

Treatment CAUSTIC

TANNEX & ANHYDROX

Weight

Viscosity

Ph

Resist Ohms m 2m

Loss ml / 30 min

Max Temp

Electrode Spacing

Short

Medium

Long

Recorded by

Witnessed by

L. SALT

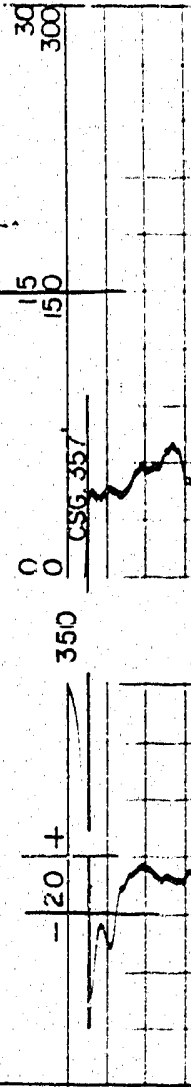
R. WAINES

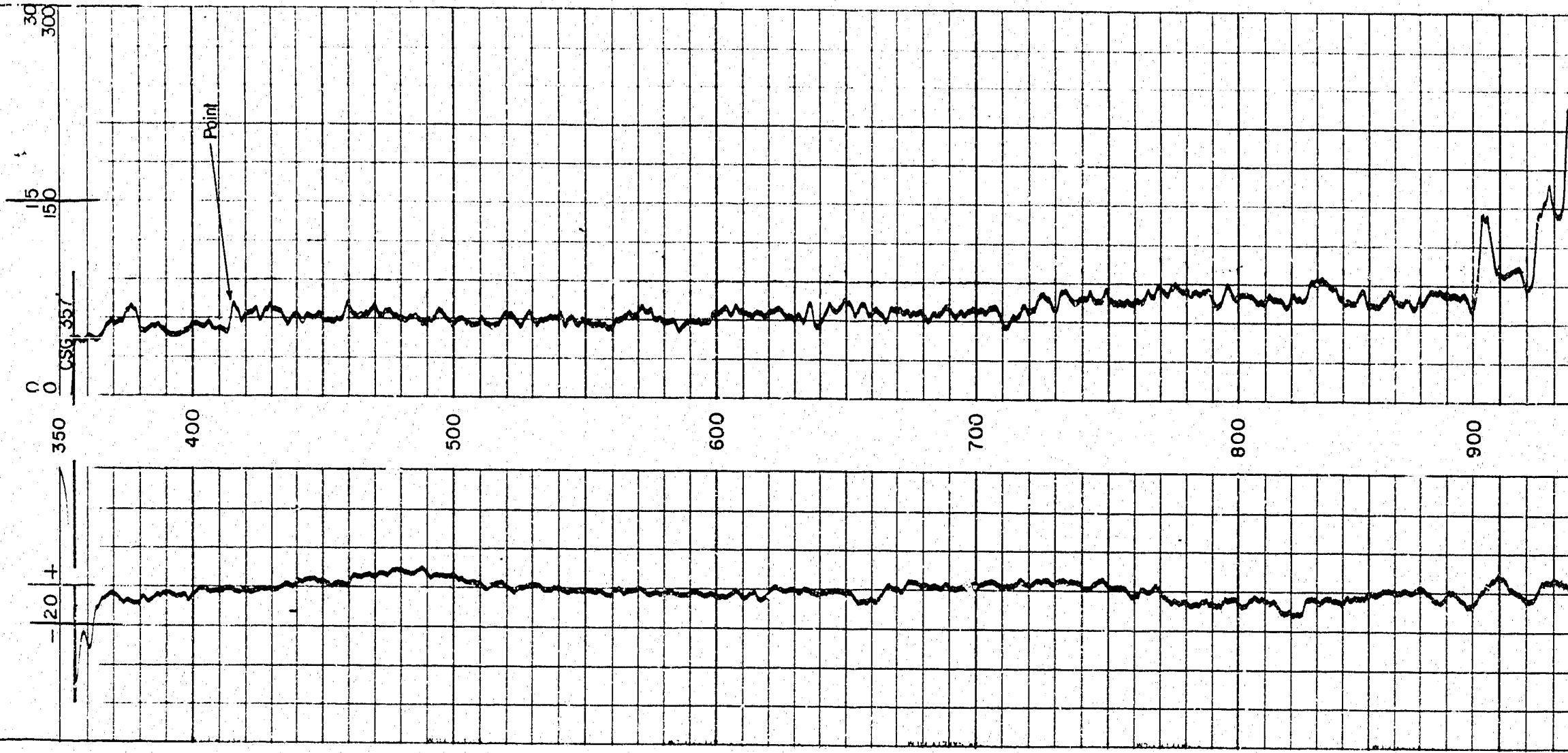
REMARKS OR OTHER DATA

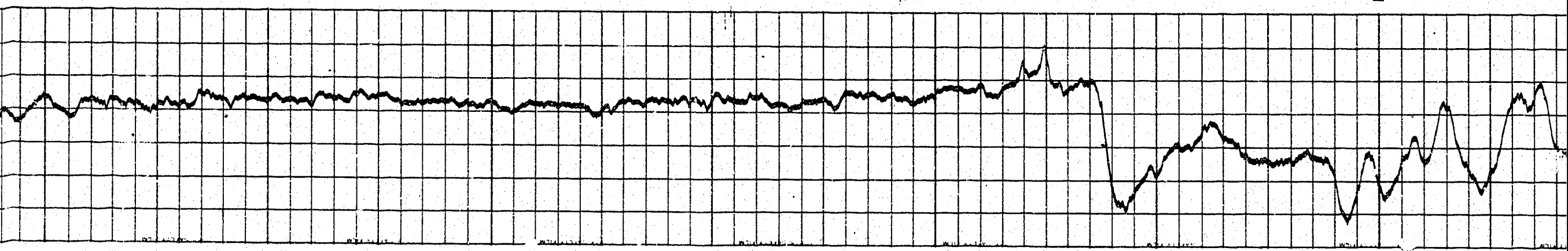
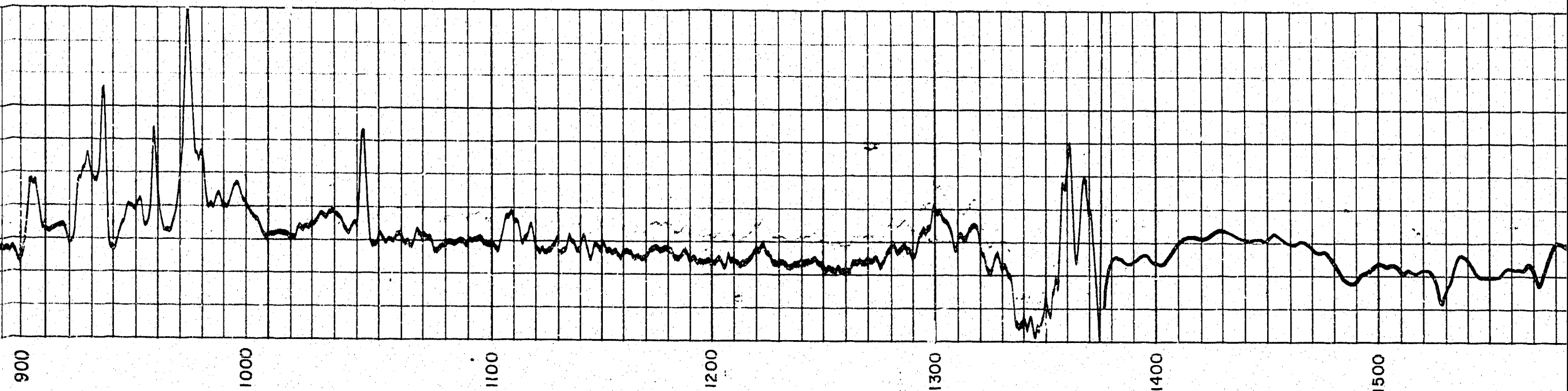
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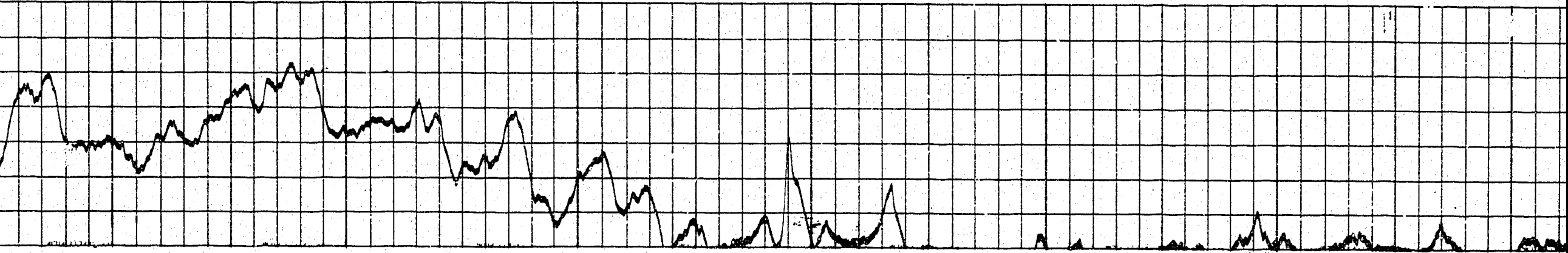
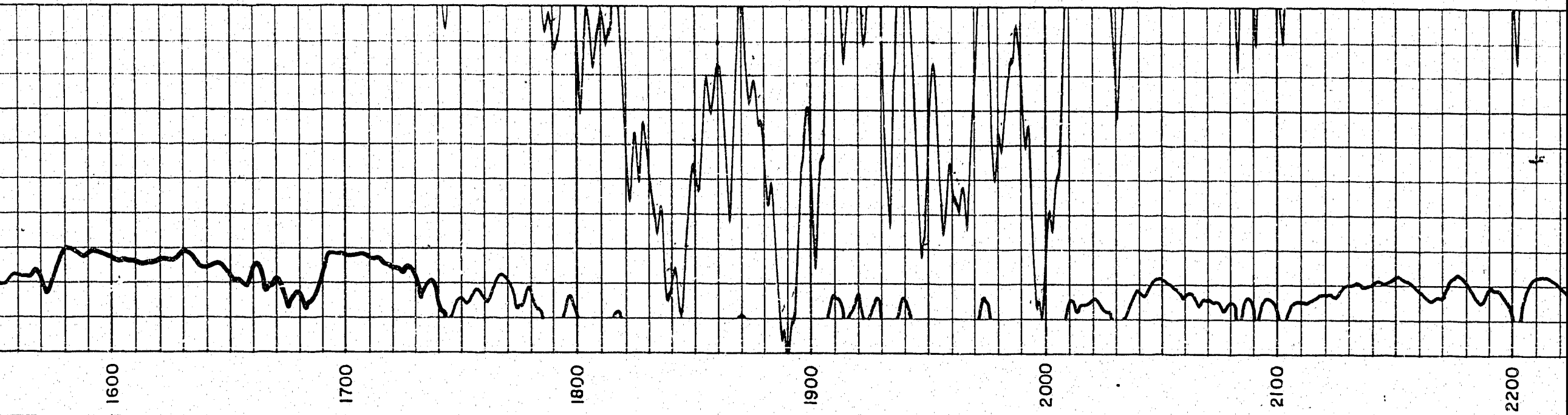
POTENTIAL

IMPEDANCE











BRITISH AMERICAN OIL CO. LTD. T.D. LOGGED 2645'
B.A.-HUDSON'S BAY LONE MOUNTAIN #2
LOCATION: Long. 122°40' Lat. 60° 08' South of MacKenzie River
K.B. Elev. Approx. 395'

Oil	Gas	Water	No fm. fluid	33
FOROSITY Poor to fair Fair to good				
OIL SHOWS Trace Fair to good Saturation				

Bitumen	Coal	Quartzitic	Ls. Breccia
Pyrile	Igneous Rock	Coarsely Crystalline	Ds. Breccia
Glauconite			
Bentonite			
Fossils			
Lingula	Salt, Anhydrite	Pebbles lt., dk.	Ironstone
Chara	Shale Breaks light	Chert lt., dk	Geode
Spores	dark	Ls. break	
	Brach.	Brachiopod	Ostracod
			Moderately to very Siliceous

INCLUSIONS, CONCRETIONS, ETC

ENGINEERING DATA

GEOLOGIC DATA

LOGGED BY: RUSS WAINES

DATE: Sept., 1953

K.B. 395'

Surface, sands, boulders, gravels, clays, Muskeg & permafrost.

Sands clays & gravels

Silts & very fine sands

Boulders, sands, & gravels

Erosion Top Simpson Formation 305'

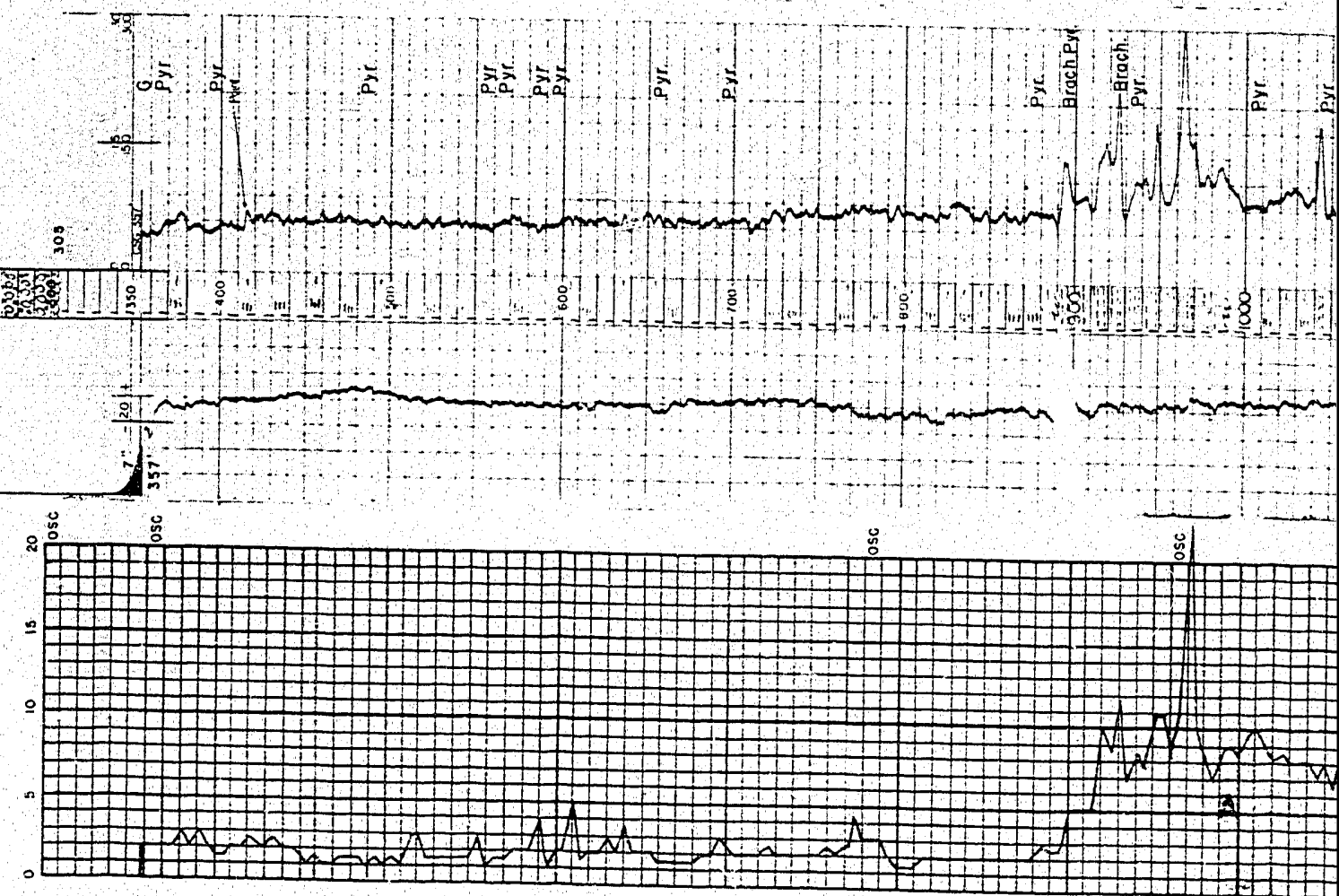
305 - 890 - Sh v sl. calc., v. sl. carb., mmc, occ pyr., occ silty, vfg., med to dk gy. Flakey to chunky

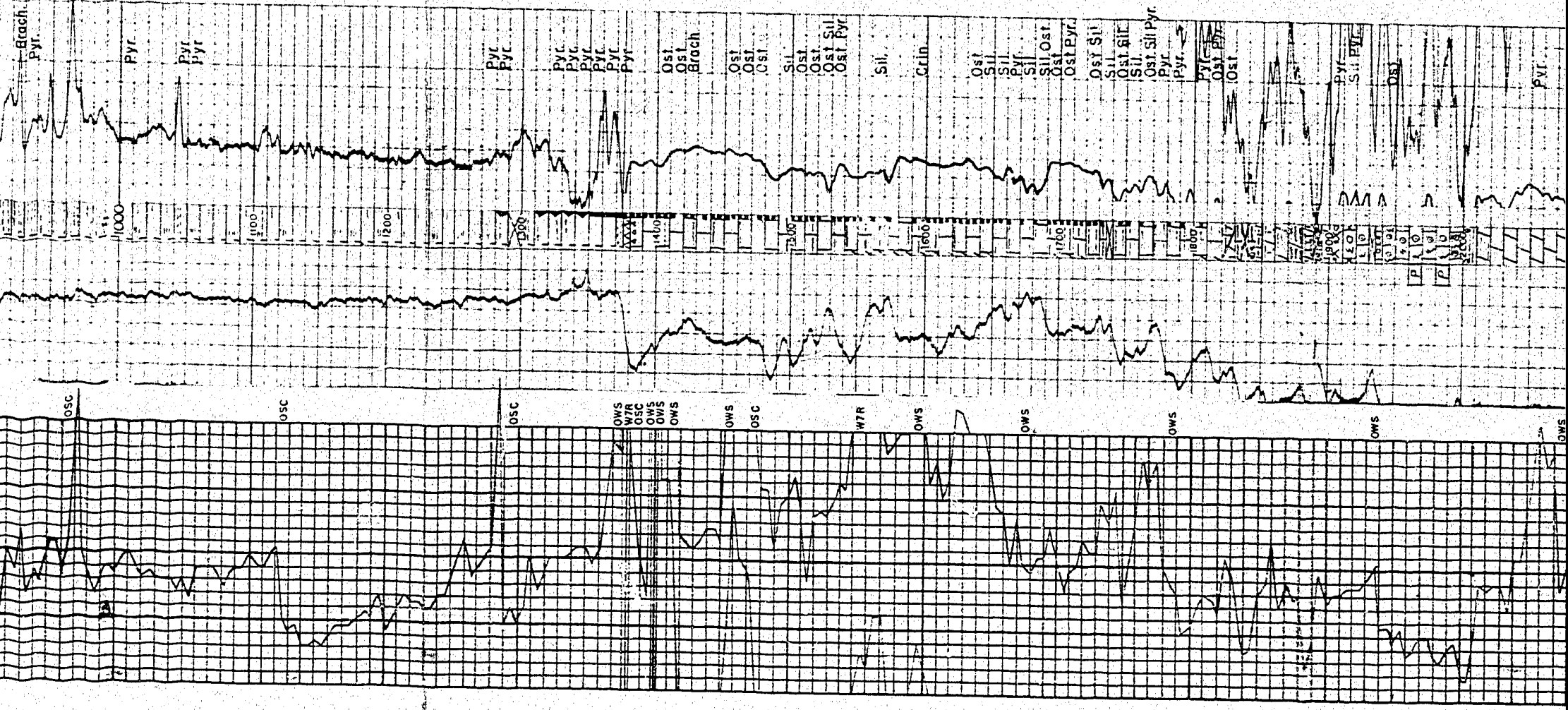
305 - 890 Traces Siltst, v calc to vargil, mic., occ pyr, occ glauc., grading to sh. or occ to dk brown silty Ls or dol., med to ck gy. med text.

890-1000: Siltst, v. calc. to vargil, occ mic. occ pyr., lt to dk. gy. med to fine text, tight.

890-1000: Minor amts Sh as described from 305' - 890'

TIME DRILLING LOG MINUTES / FEET





890-1000 : Silst, v. calc. to v. argil., occ mic. occ pyr., lt. to dk. gy. med to fine text, tight.
890-1000 : Minor amts Sh as described from 305' - 890'

1000-1280 : Sh as described from 305' - 890'

1000-1280 : Tr to Min amts Silst as described from 305-830 but w/ much fewer Ls. dol. developments.

Silst sl aren.

1280-1335 : Silsts. & Sh. med to dk gy. all previously described w/ occ black carb. to pyro. bit sh appearing.

1335-1355 : Sh carb. mmc. occ v. pyritic, black, vfg.
1355-1370 : Sh. pyro-bit mmc. occ v. pyritic, black, occ. cut by thin calcite veins.
1370-1375 : Silst, extremely calc. grading to Ls. v. pyritic pyro-bit black cut by thick calcite veins
1375-1380 : Chert vugular, w/ pyro-bit dk gy. to black, often cut by calcite veins.

1380-1820 : Ls. pyro-bit, argil. Siliceous, pyritic, fossil, all to varying degrees - usually slight; occ. dolc. occ cut by calcite stringers, generally med. to v. dk gy brown, micro xln to fine, tight.

1560-1590 : Ls. mod. argil.

1595-1600 : Tr. dolc. chert.

1540-1650 : Ls. dolc. w/ occ to abundant dol. rhombs.

1835-1845 : Ls, argil., sl siliceous, sl pyritic, bioelastic, tight.

1845-1885 : Dol, argil, occ calc, sl siliceous, sl pyritic med to dk. gy brown, micro xln to f. sugary, tight

1885-1895 : Sh, calc, pyritic, pale green, soft.

1895-2005 : Ls, sl siliceous, sl pyritic, bioelastic, algal, white, crypto-xln to micro-xln, tight except for v. occ pin point inter-granular porosity, occ. re-xilized and occ associated w/ large amts of calcite

2005-2010 : Siliceous, Calcareous, Argillaceous Pyritic, network of xln material

2020 - 2270 Dol. gen. v. sl. sil, v. sl. argil, sl. pyr., w/occ blk pyric, sl. argil. Inclusions & streaks; v. lf. gy brown through med. gy brown, to vdk gy-brown where more argil; v. xln to v. fuggary text; occ cut by dol veins and occ w/xln dol inclusions, tight.

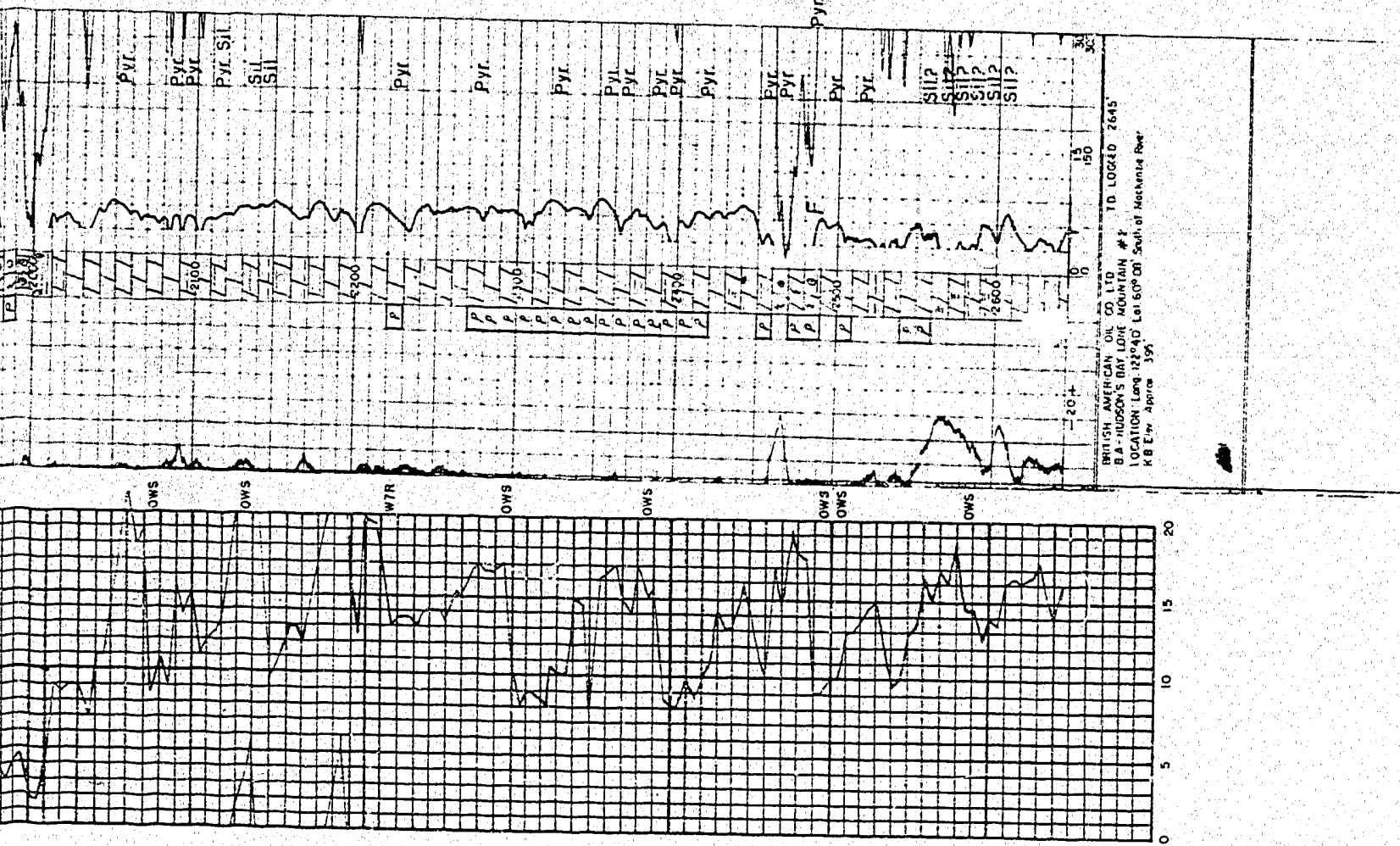
2270 - 2460 Dol, sl. siliceous, sl. argil, pyr. med. to vdk. gy. brown, v. xln. to v. fuggary text, occ cut by calcite and dol. veins and occ w/xln dol inclusions. generally tight but w/ persistent traces of pin point inter-xln porosity.

Tr. silty dol.

2460 - 2485 Dol, sl. pyritic, sl. argil., algal, bioelastic, med. gy. brown, mottled, micro-xln to v. xln, tight except for traces of pin-point inter-xln porosity.

2485 - 2645 Dol, sl. pyritic; occ argil. lt to dk. gy-brown, micro-xln, tight except for occ p.p. inter-xln porosity.
2550-2610 Dol. sl. siliceous or anhydritic, and occ silty.

Total Depth 2645' in Lone Mountain Formation.



BRITISH AMERICAN
B.A. HUDSON'S BAY LONE MOUNTAIN #1
LOCATION: Long 132°40' Lat. 60°00' South of Mackenzie River
K.B.E. Apr. 1991

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field WILDCAT WILDCAT Lease B.A. & H.B. LONE MOUNTAIN Well No. 1 Date AUGUST 10/53
 District WESTERN CANADA Prov. N.W.T. Contractor PETCAL LTD.
 Type rig: ☒ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other
 Last Casing: Elevation: _____ Depths Below _____ Steel Line Measurement: _____
 Size: _____ 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.	Bit Size	Depth From	Depth To	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																	
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: <i>[Signature]</i>	Dist. Supt.	Signed: <i>[Signature]</i>		

DAILY DRILLING REPORT

District N.W.T.

Prov.

Contractor

Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other

Drill Pipe Size

Last Casing:

Elevation:

Depths Below

Steel Line Measurement:

Size:

GL.

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	Type rig: ☐ Rotary ☐ Cable	Fuel Used: ☐ Gas ☐ Diesel ☐ Other	Drill Pipe Size	Steel Line Measurement:				
											Last Casing:	Elevation:	Depths Below	Are From:	Former Depth	Corrected Depth		
Size: _____ K.B.												_____ G.L.	_____ K.B.	_____ G.L.	_____ K.B.	_____ G.L.		
Set at _____ K.B.												_____ K.B.	_____ G.L.	_____ K.B.	_____ G.L.	_____ K.B.		
DRILLER'S REMARKS												DRILLER'S DATA			FORMATION OR CORE RECORD			
12 m to 1 am												Mud Wt.	Bit Run No.	Depth From	Recovery 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:						
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:

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field LOVE MNT. WILDCAT Lease B.A.C.H. LOVE MOUNTAIN Well No. 1 Date AUG 12, 1953District WESTERN CANADA Prov. N.W.T. Contractor PETCAL LTD.Type rig: ☐ Rotary ☐ CableFuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other

Drill Pipe Size _____

Last Casing: _____

Elevation: _____

Depths Below _____

Steel Line Measurements: _____

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.	Recovery	Depth	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											1 Rigging up						
9 am to 10 am											1						
10 am to 11 am											1						
11 am to 12 n											1						
12 n to 1 pm																	
1 pm to 2 pm											1						
2 pm to 3 pm											1						
3 pm to 4 pm											1						
4 pm to 5 pm											1						
5 pm to 6 pm											1						
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: Forster

Dist. Supt.:

Signed: A. Linderick

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field LONE MOUNT. WILDCAT Lease B.A.E.H.B. LONE MOUNTAIN Well No. 2 Date AUG. 13, 1953District WESTERN CANADA Prov. N.W.T. Contractor PETCAL LTD.Type rig: ☒ Rotary ☐ CableFuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other

Drill Pipe Size _____

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	
												Mud Wt.	Bit Run No.	Depth From To	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											1 Rigging up				
9 am to 10 am											1				
10 am to 11 am											1				
11 am to 12 n											1				
12 n to 1 pm															
1 pm to 2 pm											1 Rigging up & working on				
2 pm to 3 pm											1				
3 pm to 4 pm											1				
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: <i>[Signature]</i>	Dist. Supt.	Signed: <i>[Signature]</i>

DAILY DRILLING REPORT

Field LOVE MT. WILDCAT Lease B.A.E.H.R. LOVE MT. Well No. 2 Date Aug 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: Elevation: Depths Below
 Size: 7" GL Are From:
 Set at 357' 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.	Depth From	Depth To	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											1 Riggings up work	Mud Wt.	Bit Run No.			Mixed 20 bags Gel
9 am to 10 am											on Swivel	Viscosity	Bit Size			
10 am to 11 am											1 Digging RAT hole	Water Loss	Bit Type			
11 am to 12 n											1 Work on swivel	pH	Ser. No.			
12 n to 1 pm											Lunch	Filtercake	Slope Test	@		
1 pm to 2 pm											1 work on swivel	Number Reg. Men 8	Extra Men	Man Hrs. 48		
2 pm to 3 pm											1 mixing mud	Hole Made	Depth at End Tour			
3 pm to 4 pm											1	Driller: P.M. Green				
4 pm to 5 pm											1 work on Swivel	Mud Wt. 8.9	Bit Run No. 1			
5 pm to 6 pm											1 Riggings up to Spud 12	Viscosity 35	Bit Size 9"			
6 pm to 7 pm											1	Water Loss	Bit Type OSC			
7 pm to 8 pm											1	pH	Ser. No. 42544			
8 pm to 9 pm											1	Filtercake	Slope Test	@		
9 pm to 10 pm											1	Number Reg. Men 4	Extra Men	Man Hrs. 32		
10 pm to 11 pm												Hole Made 0	Depth at End Tour 36'			
11 pm to 12 m											1/2	Driller:				
Totals																

GRAND TOTAL:

Hours

Approved: L. J. Smith

Dist. Supt.

Signed: M. L. Smith

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field LINE M7 Wildcat Lease B.A.E.H.B. Lone M7 Well No. 2 Date Aug 15, 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: 3788 ft Depths Below: 3 1/2"
 Size: GL Are From: GL
 Set at KB KB ☐ KB ☐ GL Corrected Depth: 3 1/2"

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	Mixing Gel	Mud Wt. 9.5 Viscosity 39 Water Loss pH Filtercake Number Reg. Men 4 Hole Made 252	Bit Run No. 1 Size 9 Type 05C Ser. No. 42544 Slope Test @ Extra Men Man Hrs. 32 Depth at End Tour 290	Depth From To Recovery Formation	
1 am to 2 am		1													
2 am to 3 am		1													
3 am to 4 am		1													
4 am to 5 am		3/4								1/4			Mixed 5 Bags Gel		
5 am to 6 am										1					
6 am to 7 am															
7 am to 8 am		1													
8 am to 9 am		3/4								1/4	Service rig	Mud Wt. Viscosity 38 Water Loss pH Filtercake Number Reg. Men 4 Hole Made	Bit Run No. 1 2 Size 9 9 Type 05C 05C Ser. No. 42544 9082 Slope Test @ Extra Men Man Hrs. 32 Depth at End Tour		
9 am to 10 am		1/2								1/2	Mix mud			Mixed 12 Bags Gel	
10 am to 11 am		1/2								1/2	Mix mud jet pit.				
11 am to 12 n		1/2								1/2					
12 n to 1 pm		1													
1 pm to 2 pm		1													
2 pm to 3 pm		1/2								1/2	Jet pit.				
3 pm to 4 pm		1/4								1/2					
4 pm to 5 pm		1/2								1/2	Jet pit.				
5 pm to 6 pm		1/2								1/2					
6 pm to 7 pm	1/2	1/2													
7 pm to 8 pm	1/4	3/4									Mix mud & ream				
8 pm to 9 pm										1					
9 pm to 10 pm										1					
10 pm to 11 pm										1	Condition mud				
11 pm to 12 m										1					
Totals											GRAND TOTAL:	Hours	Approved: <u>[Signature]</u>	Dist. Supt.	Signed: <u>[Signature]</u>

DAILY DRILLING REPORT

Field LONE MNT. WILDCAT Lease B.A.E. H.B. LONE MNT. Well No. 2 Date Aug 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: _____ Depths Below _____ Steel Line Measurement: _____
 Size: _____ 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												Mud Wt.	Bit Run No.	From	To	Recovery	Formation
1 am to 2 am											Conditioned mud	Viscosity 65	Bit Size 9"	Bottom	Set at 357'		
2 am to 3 am												Water Loss	Bit Type OSC				
3 am to 4 am												pH	Ser. No. 9082				
4 am to 5 am												Filtercake	Slope Test				
5 am to 6 am												Number Reg. Men 4	Extra Men	Man Hrs. 32			
6 am to 7 am												Hole Made	Depth at End Tour 30.9				
7 am to 8 am												Driller: D. Parker					
8 am to 9 am	1/4									1/4	Service Rig	Mud Wt.	Bit Run No.				
9 am to 10 am										1/2	Circ. Single down	Viscosity 39	Bit Size				
10 am to 11 am	1/4	3/4										Water Loss	Bit Type				
11 am to 12 n	1											pH	Ser. No.				
12 n to 1 pm	1/4									3/4	Reaming Mixing Mud	Filtercake	Slope Test				
1 pm to 2 pm										1	Fibersed	Number Reg. Men 4	Extra Men	Man Hrs. 32			
2 pm to 3 pm										1	Conditioning mud	Hole Made 56	Depth at End Tour 360				
3 pm to 4 pm	3/4									1/4		Driller: L.M. Goring					
4 pm to 5 pm	1											Mud Wt.	Bit Run No.				
5 pm to 6 pm	1											Viscosity 43	Bit Size				
6 pm to 7 pm	1/2									1/2	Circ. Trip	Water Loss	Bit Type				
7 pm to 8 pm	1											pH	Ser. No.				
8 pm to 9 pm	1/4									3/4		Filtercake	Slope Test				
9 pm to 10 pm	1/2									1/2		Number Reg. Men 4	Extra Men	Man Hrs. 32			
10 pm to 11 pm										1	Run Casing 1 1/2 hrs	Hole Made	Depth at End Tour 365				
11 pm to 12 m										1	Circ	Driller: D. Parker					
Totals											GRAND TOTAL:	Hours	Approved: <u>L.M. Goring</u>	Dist. Supt.	Signed:		

DAILY DRILLING REPORT

Field Lone Mt. Willcat Lease P.H.F.H.B. Lone Mt. Well No. 2 Date Aug '7

District _____ Prov. _____ Contractor _____

Type rig: ☐ Rotary ☐ CableFuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ OtherDrill Pipe Size 3 1/2"

Last Casing:

Elevation:

27 Bbls.

Depths Below

Steel Line Measurement:

Size:

7

G.L.

Are From:

Former Depth

Set at 357' 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
12 m to 1 am															
1 am to 2 am															
2 am to 3 am											W.O.C				
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											W.O.C				
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											W.O.C				
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	Dist. Sup.	Signed: <u>W. Rudwick</u>

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field Lone Mt. Wildcat Lease B.A.F. H.B. Lone Mt. T. Well No. 2 Date Aug 18, 1953
 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: GL. Depths Below: GL. Drill Pipe Size 3-1/2
 Size: 357' K.B. K.B. Are From: K.B. GL. Steel Line Measurement:
 Set at 357' K.B. K.B. Former Depth 3-1/2
 Corrected Depth 3-1/2

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
12 m to 1 am															
1 am to 2 am											Backed to Landing at 12:30. Started heading up	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											Rigging up shale shaker tighter down B.O.P. Rigging up Fall up line	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	1/2	1/4									Pressure up on cement 300 PSI Drilling out for key Dredging out plug	Hole Made	Depth at End Tour		
3 pm to 4 pm		1										Driller:			
4 pm to 5 pm		1										Mud Wt.	Bit Run No.		
5 pm to 6 pm		1										Viscosity	Bit Size		
6 pm to 7 pm		1									Condition mud Tighten Guy wires	Water Loss	Bit Type		
7 pm to 8 pm		1										pH	Ser. No.		
8 pm to 9 pm		1										Filtercake	Slope Test	@	
9 pm to 10 pm		1										Number Reg. Men	Extra Men	Man Hrs.	
10 pm to 11 pm		1										Hole Made	Depth at End Tour		
11 pm to 12 m		1										Driller:			
Totals											GRAND TOTAL:	Hours	Approved:	Dist. Supt.	Signed:

DAILY DRILLING REPORT

Field LONE MOUNTAIN N. 10 sec 10 T. 10 R. 10 E. H. B. LONE MNT. Well No. 2 Date Aug 31, 1953
 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 _____ Steel Line Measurement: _____
 Size: 357' K.B. _____ Are From: _____ Former Depth: _____
 Set at: 357' 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												
												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		1										Mud Wt. 11	Bit Run No. 20	Viscosity 43	Bit Size 6 1/8	Water Loss 12	Bit Type OWS	pH 9.0	Ser. No. 77844	Filtercake 2 1/2	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 20	Depth at End Tour 2070	Driller: W. J. Haughison	
1 am to 2 am		1																										
2 am to 3 am		1																										
3 am to 4 am		1																										
4 am to 5 am		1																										
5 am to 6 am		1																										
6 am to 7 am	3/4	1/4																										
7 am to 8 am	1																											
8 am to 9 am	3/4																											
9 am to 10 am	1/2																											
10 am to 11 am	1/2																											
11 am to 12 n	1																											
12 n to 1 pm	1																											
1 pm to 2 pm	1																											
2 pm to 3 pm	1																											
3 pm to 4 pm	1																											
4 pm to 5 pm	1																											
5 pm to 6 pm	1																											
6 pm to 7 pm	1																											
7 pm to 8 pm	1																											
8 pm to 9 pm	3/4																											
9 pm to 10 pm	1																											
10 pm to 11 pm	1																											
11 pm to 12 am	1																											
Totals																												

GRAND TOTAL:

Hours

Approved:

Dist. Supt.

Signed:

DAILY DRILLING REPORT

Field Lone Mt. Wildcat Lease B.A. E.H.B. Lone Mt. Well No. 2 Date Sept 1, 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: Depths Below
 Size: 7" GL.
 Set at 357' K.B. 395' K.B. Are From: ☐ K.B. ☐ GL.
 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.	Depth	Recovery	Formation	
12 m to 1 am		1										Mud Wt. 10.5	Bit Run No. 21	From	To	Recovery	Formation
1 am to 2 am		1										Viscosity 44	Bit Size 6 1/2				
2 am to 3 am		1										Water Loss 10.2	Bit Type OWS				
3 am to 4 am		1										pH 10	Ser. No. 7796				
4 am to 5 am		1										Filtercake 3/32	Slope Test @				
5 am to 6 am	1/4	3/4										Number Reg. Men 4	Extra Men Man Hrs. 32				
6 am to 7 am	1											Hole Made 13	Depth at End Tour 2143				
7 am to 8 am	1											Driller: W. J. Vaughan					
8 am to 9 am	1/4									1/4	Service Rig.	Mud Wt. 10.8	Bit Run No. 22				50" Tanner
9 am to 10 am	1/2	1/2										Viscosity 43	Bit Size 6 1/2				25" Coustee
10 am to 11 am		1										Water Loss 10.3	Bit Type OWS				
11 am to 12 n		1										pH 10	Ser. No. 7796				
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. 32				
2 pm to 3 pm		1										Hole Made 32	Depth at End Tour 2175				
3 pm to 4 pm		1										Driller: L. M. G. 43					
4 pm to 5 pm		1										Mud Wt. 10.6	Bit Run No. 22				
5 pm to 6 pm		1										Viscosity 42	Bit Size 6 1/2				
6 pm to 7 pm		1										Water Loss 9.2	Bit Type OWS				
7 pm to 8 pm	1/2									1/2	Mix mud.	pH 10.5	Ser. No. 7796				
8 pm to 9 pm	3/4									1/4	P. 9 Service	Filtercake 3/32	Slope Test @				
9 pm to 10 pm	1											Number Reg. Men 4	Extra Men Man Hrs. 32				
10 pm to 11 pm	1											Hole Made 22	Depth at End Tour 2197				
11 pm to 12 am	1											Driller: L. M. G. 43					
Totals											GRAND TOTAL:	Hours	Approved: <u>L. M. G. 43</u>	Dist. Supt.	Signed: <u>R. L. L. 43</u>		

DAILY DRILLING REPORT

Field Line Mt. Wild cat Lease BAE N.B. Lone Mt. Well No. 2 Date Sept 2/53
 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: _____ Depths Below _____
 Size: 7" GL: _____ Are From: _____ Former Depth _____
 Set at 357' K.B. _____ K.B. ☐ K.B. ☐ GL. 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. 11.6 Bit Run No. 22	Depth From To Recovery Formation
1 am to 2 am		1										Viscosity 42 Bit Size 6 1/8	
2 am to 3 am		1										Water Loss 9.2 Bit Type OWS	
3 am to 4 am		1										pH 10.5 Ser. No. 7796	
4 am to 5 am		1										Filtercake 3/32 Slope Test @	
5 am to 6 am	1/2	1/2										Number Reg. Men 4 Extra Men Man Hrs 32	
6 am to 7 am	1											Hole Made 31 Depth at End Tour 2217	
7 am to 8 am									1		Big Repair	Driller: W. J. Houghton	
8 am to 9 am	3/4								1/4		Service Rig	Mud Wt. 10.6 Bit Run No. 23	
9 am to 10 am	1/4	3/4										Viscosity 43 Bit Size 6 1/8	
10 am to 11 am		1										Water Loss 9.2 Bit Type WTR	
11 am to 12 n		1										pH 10 Ser. No. 7752	Mixed 40 lbs. Gel
12 n to 1 pm		1										Filtercake 3/32 Slope Test @	COMPANY REPRESENTATIVE'S SUMMARY
1 pm to 2 pm		1										Number Reg. Men 4 Extra Men Man Hrs 32	
2 pm to 3 pm		1										Hole Made 28 Depth at End Tour 2245	Drilled 6 1/8 to 2280
3 pm to 4 pm		1										Driller: L. M. Goss	Reamer etc
4 pm to 5 pm		1										Mud Wt. 10.4 Bit Run No. 23	
5 pm to 6 pm		1										Viscosity 42 Bit Size 6 1/8	
6 pm to 7 pm		1										Water Loss 10.0 Bit Type WTR	
7 pm to 8 pm		1/4							3/4		Mix mud	pH 10.5 Ser. No. 7752	
8 pm to 9 pm		3/4							1/4		Service Rig	Filtercake 3/32 Slope Test @	
9 pm to 10 pm		1										Number Reg. Men 4 Extra Men Man Hrs 32	
10 pm to 11 pm		1										Hole Made 35 Depth at End Tour 2280	
11 pm to 12 am		1										Driller: W. J. Houghton	
Totals											GRAND TOTAL:	Hours	Approved: _____ Dist. Supt. _____ Signed: _____

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field LONG MNT WILD-CAT Lease B.A.C.H.B. LONG MNT. Well No. 2 Date Sept 3 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 _____ Steel Line Measurement: _____
 Size: 3 5/8" GL. Are From: _____ Former Depth: _____
 Set at 352' KB. KB. ☐ KB. ☐ GL. 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. 10.6 Viscosity 42 Water Loss 10 pH 10.5 Filtercake 3/32 Number Reg. Men 4 Hole Made 15 Driller: W. J. H. Macdonald	Depth 2295 Formation
1 am to 2 am	/											Viscosity 42 Water Loss 10 pH 10.5 Filtercake 3/32 Number Reg. Men 4 Hole Made 15 Driller: W. J. H. Macdonald	Formation
2 am to 3 am	/											Viscosity 42 Water Loss 10 pH 10.5 Filtercake 3/32 Number Reg. Men 4 Hole Made 15 Driller: W. J. H. Macdonald	Formation
3 am to 4 am	/											Viscosity 42 Water Loss 10 pH 10.5 Filtercake 3/32 Number Reg. Men 4 Hole Made 15 Driller: W. J. H. Macdonald	Formation
4 am to 5 am	/											Viscosity 42 Water Loss 10 pH 10.5 Filtercake 3/32 Number Reg. Men 4 Hole Made 15 Driller: W. J. H. Macdonald	Formation
5 am to 6 am	/											Viscosity 42 Water Loss 10 pH 10.5 Filtercake 3/32 Number Reg. Men 4 Hole Made 15 Driller: W. J. H. Macdonald	Formation
6 am to 7 am	/											Viscosity 42 Water Loss 10 pH 10.5 Filtercake 3/32 Number Reg. Men 4 Hole Made 15 Driller: W. J. H. Macdonald	Formation
7 am to 8 am	/											Viscosity 42 Water Loss 10 pH 10.5 Filtercake 3/32 Number Reg. Men 4 Hole Made 15 Driller: W. J. H. Macdonald	Formation
8 am to 9 am	3/4									1/4	Service Rig	Mud Wt. 10.3 Viscosity 43 Water Loss 10.6 pH 10 Filtercake 3/32 Number Reg. Men 4 Hole Made 38 Driller: L. M. Cochrane	25' Turner 10' Causal
9 am to 10 am	1 1/2											Viscosity 43 Water Loss 10.6 pH 10 Filtercake 3/32 Number Reg. Men 4 Hole Made 38 Driller: L. M. Cochrane	25' Turner 10' Causal
10 am to 11 am	1											Viscosity 43 Water Loss 10.6 pH 10 Filtercake 3/32 Number Reg. Men 4 Hole Made 38 Driller: L. M. Cochrane	25' Turner 10' Causal
11 am to 12 n	1											Viscosity 43 Water Loss 10.6 pH 10 Filtercake 3/32 Number Reg. Men 4 Hole Made 38 Driller: L. M. Cochrane	25' Turner 10' Causal
12 n to 1 pm	1											Viscosity 43 Water Loss 10.6 pH 10 Filtercake 3/32 Number Reg. Men 4 Hole Made 38 Driller: L. M. Cochrane	25' Turner 10' Causal
1 pm to 2 pm	1											Viscosity 43 Water Loss 10.6 pH 10 Filtercake 3/32 Number Reg. Men 4 Hole Made 38 Driller: L. M. Cochrane	25' Turner 10' Causal
2 pm to 3 pm	3/4									1/4	Change gland packing in pump	Viscosity 43 Water Loss 10.6 pH 10 Filtercake 3/32 Number Reg. Men 4 Hole Made 38 Driller: L. M. Cochrane	25' Turner 10' Causal
3 pm to 4 pm	1											Viscosity 43 Water Loss 10.6 pH 10 Filtercake 3/32 Number Reg. Men 4 Hole Made 38 Driller: L. M. Cochrane	25' Turner 10' Causal
4 pm to 5 pm	1											Viscosity 43 Water Loss 10.6 pH 10 Filtercake 3/32 Number Reg. Men 4 Hole Made 38 Driller: L. M. Cochrane	25' Turner 10' Causal
5 pm to 6 pm	1											Viscosity 43 Water Loss 10.6 pH 10 Filtercake 3/32 Number Reg. Men 4 Hole Made 38 Driller: L. M. Cochrane	25' Turner 10' Causal
6 pm to 7 pm	1											Viscosity 43 Water Loss 10.6 pH 10 Filtercake 3/32 Number Reg. Men 4 Hole Made 38 Driller: L. M. Cochrane	25' Turner 10' Causal
7 pm to 8 pm	1											Viscosity 43 Water Loss 10.6 pH 10 Filtercake 3/32 Number Reg. Men 4 Hole Made 38 Driller: L. M. Cochrane	25' Turner 10' Causal
8 pm to 9 pm	3/4									1/4	Rig Service	Viscosity 43 Water Loss 10.6 pH 10 Filtercake 3/32 Number Reg. Men 4 Hole Made 38 Driller: L. M. Cochrane	25' Turner 10' Causal
9 pm to 10 pm	1											Viscosity 43 Water Loss 10.6 pH 10 Filtercake 3/32 Number Reg. Men 4 Hole Made 38 Driller: L. M. Cochrane	25' Turner 10' Causal
10 pm to 11 pm	1											Viscosity 43 Water Loss 10.6 pH 10 Filtercake 3/32 Number Reg. Men 4 Hole Made 38 Driller: L. M. Cochrane	25' Turner 10' Causal
11 pm to 12 am												Viscosity 43 Water Loss 10.6 pH 10 Filtercake 3/32 Number Reg. Men 4 Hole Made 38 Driller: L. M. Cochrane	25' Turner 10' Causal
Totals											GRAND TOTAL:	Hours Approved: _____ Dist. Supt. _____	Signed: _____

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field B.A.F.H.B. W.P. 11/11/53 Lease B.P.F. H.R. Ltd. 11/11/53 Well No. 2 Date Sept 11 53
 District WESTERN CANADA Prov. ALBERTA Contractor Petrol. LTD.
 Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other
 Last Casing: 7" Elevation: GL. Depths Below: 2467'
 Size: 3 5/8" K.B. Are From: GL. Former Depth: 3 1/2"
 Set at 357' K.B. Corrected Depth: 2467'

Operations (See Instructions)	Trip with D.P.	Drilling	Raming	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										Mud Wt. 10.6	Bit Run No. 24	Depth 2467'	Recovery	Formation	
1 am to 2 am		1										Viscosity 44	Bit Size 6 5/8				
2 am to 3 am		1										Water Loss 10	Bit Type OWS				
3 am to 4 am		1										pH 10	Ser. No. 77802				
4 am to 5 am		1										Filtercake 2/32	Slope Test @				
5 am to 6 am		1										Number Reg. Men 4	Extra Men 32				
6 am to 7 am	1											Hole Made 23	Depth at End Tour 2289				
7 am to 8 am	1											Driller: W. Y. Hargrave					
8 am to 9 am	3/4										1/4 Service Rig	Mud Wt. 10.6	Bit Run No. 25				
9 am to 10 am	1/2	1/4										Viscosity 43	Bit Size 6 5/8				
10 am to 11 am	1											Water Loss 9.9	Bit Type OWS				
11 am to 12 n	1											pH 10	Ser. No. 77809				
12 n to 1 pm	1											Filtercake 2/32	Slope Test @				
1 pm to 2 pm	1											Number Reg. Men 4	Extra Men 32				
2 pm to 3 pm	1											Hole Made 40	Depth at End Tour 2459				
3 pm to 4 pm	1											Driller: L. M. Goss					
4 pm to 5 pm	1											Mud Wt. 10.6	Bit Run No. 25				
5 pm to 6 pm	1											Viscosity 42	Bit Size 6 5/8				
6 pm to 7 pm	1											Water Loss 10.4	Bit Type OWS				
7 pm to 8 pm	1											pH 10	Ser. No. 77809				
8 pm to 9 pm	1											Filtercake 2/32	Slope Test @				
9 pm to 10 pm	3/4										1/4 R.O. Service	Number Reg. Men 4	Extra Men 32				
10 pm to 11 pm	1										Drilling	Hole Made 38	Depth at End Tour 2467				
11 pm to 12 am	1											Driller: W. Y. Hargrave					
Totals											GRAND TOTAL:	Hours	Approved	Dist. Supt.	Signed		

DAILY DRILLING REPORT

Field LONE MNT. Wild CAT. Lease B.A.E.H.B. LONE MNT. Well No. 2 Date SEPT. 5, 53
 District WESTERN CANADA Prov. N.W.T. Contractor Pet. Cat. LTD.
 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 357' K.B. _____ ~~357'~~ 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.	Depth	Recovery	
12 m to 1 am		1										Mud Wt. 10.6	Bit Run No. 25	From	To	Formation
1 am to 2 am		1										Viscosity 45	Bit Size 6 1/8			
2 am to 3 am		1										Water Loss 10.4	Bit Type OWS			
3 am to 4 am		1										pH 10	Ser. No. 77809			
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. 32			
6 am to 7 am		1										Hole Made 17	Depth at End Tour 2484			
7 am to 8 am		1										Driller: W. J. Haughian				
8 am to 9 am	3/4										1/4 Service R.p.	Mud Wt. 10.8	Bit Run No. 26			
9 am to 10 am	1/4 3/4											Viscosity 44	Bit Size 6 1/8			
10 am to 11 am	1											Water Loss 10.5	Bit Type OWS			
11 am to 12 n		1										pH 10	Ser. No. 7782			
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. 32			
2 pm to 3 pm	1/2										1/2	Hole Made 21	Depth at End Tour 2505			
3 pm to 4 pm											1	Driller: L. M. Goerz				
4 pm to 5 pm											1	Mud Wt.	Bit Run No.			
5 pm to 6 pm											1	Viscosity	Bit Size			
6 pm to 7 pm											1	Water Loss	Bit Type			
7 pm to 8 pm											1	pH	Ser. No.			
8 pm to 9 pm											1	Filtercake	Slope Test @			
9 pm to 10 pm											1	Number Reg. Men 4	Extra Men Man Hrs. 32			
10 pm to 11 pm											1	Hole Made	Depth at End Tour 2505			
11 pm to 12 m											1	Driller: L. M. Goerz				
Totals												GRAND TOTAL:	Hours	Approved:	Dist. Supt.	Signed:

DAILY DRILLING REPORT

Field Lone Mtn. Wildcat Lease B.A.E.H.B. Lone Mountain Well No. 2. Date Sept 6, 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: _____ Depths Below _____
 Size: 7" _____ GL. _____ Are From: _____
 Set at 357' KB. _____ KB. ☐ KB. ☐ GL. 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.	Bit Run No.	Depth From To Recovery Formation	
1 am to 2 am											Installed new line	Viscosity	Bit Size		
2 am to 3 am											in	Water Loss	Bit Type		
3 am to 4 am											mud pump	pH	Ser. No.		
4 am to 5 am												Filtercake	Slope Test	@	
5 am to 6 am											Hauling stones for	Number Reg. Men 4	Extra Men	Man Hrs. 32	
6 am to 7 am											cellar cement return	Hole Made	Depth at End Tour	2505	
7 am to 8 am												Driller: W. J. Laughlin			
8 am to 9 am												Mud Wt.	Bit Run No.		
9 am to 10 am											Hauling stones for	Viscosity	Bit Size		
10 am to 11 am											cellar cement	Water Loss	Bit Type		
11 am to 12 n											cellar work on	pH	Ser. No.		
12 n to 1 pm											pump	Filtercake	Slope Test	@	
1 pm to 2 pm												Number Reg. Men 4	Extra Men	Man Hrs. 32	
2 pm to 3 pm												Hole Made	Depth at End Tour	2505	
3 pm to 4 pm												Driller: L. M. Goetz			
4 pm to 5 pm												Mud Wt.	Bit Run No. 27		
5 pm to 6 pm												Viscosity	Bit Size 6 1/8		
6 pm to 7 pm												Water Loss	Bit Type OWS		
7 pm to 8 pm												pH	Ser. No. 77793		
8 pm to 9 pm	3/4									1/4	Rig Service running in hole	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	Working on pump motor	Hole Made	Depth at End Tour	2507	
11 pm to 12 am	1/4									3/4	Drilling in hole	Driller: L. M. Goetz			
Totals											GRAND TOTAL:	Hours	Approved:	Dist. Supt.	Signed: W. J. Laughlin

DAILY DRILLING REPORT

Field Lone Mnt Wildcat Lease B.A.E.H.B. Lone Mnt. Well No. 2 Date Sept. 7/53
 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 _____ Steel Line Measurement: _____
 Size: 3 5/8" K.B. _____ G.L. _____ Are From: _____ Former Depth: _____
 Set at: 3 5/8" K.B. _____ G.L. _____ Corrected Depth: _____

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Electr. 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 From	To	Recovery	Formation
12 m to 1 am	/											Mud Wt. 10.8	Bit Run No. 27			
1 am to 2 am	/											Viscosity 43	Bit Size 6 1/8			
2 am to 3 am	/											Water Loss 11	Bit Type OWS			
3 am to 4 am	/											pH 10	Ser. No. 77793			
4 am to 5 am	/											Filtercake 3/32	Slope Test @			
5 am to 6 am	/											Number Reg. Men 4	Extra Men Man Hrs. 32			
6 am to 7 am	/											Hole Made 36	Depth at End Tour 2543			
7 am to 8 am	/											Driller: W. J. Haughian				
8 am to 9 am	3/4									1/4	Service Rig	Mud Wt. 10.8	Bit Run No. 27			
9 am to 10 am	/											Viscosity 42	Bit Size 6 1/8			
10 am to 11 am	/											Water Loss 10	Bit Type OWS			
11 am to 12 n	/											pH 10	Ser. No. 77793			
12 n to 1 pm	/											Filtercake 3/32	Slope Test @			
1 pm to 2 pm	/											Number Reg. Men 4	Extra Men Man Hrs. 32			
2 pm to 3 pm	3/4									1/2	Mix mud	Hole Made 27	Depth at End Tour 2570			
3 pm to 4 pm	3/4									1/4		Driller: L M Goerz				
4 pm to 5 pm	/											Mud Wt. 10.6	Bit Run No. 28			
5 pm to 6 pm	/											Viscosity 45	Bit Size 6 1/8			
6 pm to 7 pm	/											Water Loss	Bit Type OWS			
7 pm to 8 pm	/											pH	Ser. No. 77807			
8 pm to 9 pm	3/4									1/4	Service Rig	Filtercake 3/32	Slope Test @			
9 pm to 10 pm	/											Number Reg. Men 4	Extra Men Man Hrs. 32			
10 pm to 11 pm	/											Hole Made 22	Depth at End Tour 2592			
11 pm to 12 m	/											Driller: W. J. Haughian				
Totals											GRAND TOTAL:	Hours	Approved: <u>W. J. Haughian</u>	Dist. Supt.	Signed: <u>W. J. Haughian</u>	

THE BRITISH-AMERICAN OIL COMPANY LTD.
DAILY DRILLING REPORT

Field WESTERN CANADA Lease B. H. F. H. B. Lone Mt. Well No. 2 Date Sept 8 / 55
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: _____ Depths Below _____
Size: 7" GL. Are From: _____
Set at 357' K.B. 395± K.B. ☐ K.B. ☐ GL. Corrected Depth _____
Drill Pipe Size 3 1/2
Steel Line Measurement: _____
Former 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 From	To	Recovery	Formation
12 m to 1 am												Mud Wt. 10.6	Bit Run No. 28				
1 am to 2 am												Viscosity 44	Bit Size 6 7/8				
2 am to 3 am												Water Loss 9.8	Bit Type OWS				
3 am to 4 am											Drilling	pH 10	Ser. No. 77807				
4 am to 5 am												Filtercake 3/32	Slope Test *@				
5 am to 6 am												Number Reg. Men 4	Extra Men	Man Hrs. 32			
6 am to 7 am												Hole Made 31	Depth at End Tour 2623				
7 am to 8 am												Driller: W. J. Hughes					
8 am to 9 am	3/4									1/4	Service R. g.	Mud Wt. 10.8	Bit Run No. 28				
9 am to 10 am												Viscosity 43	Bit Size 6 7/8				
10 am to 11 am												Water Loss 10	Bit Type OWS				
11 am to 12 n												pH 10	Ser. No. 77807				
12 n to 1 pm												Filtercake 3/32	Slope Test *@				
1 pm to 2 pm	3/4									1/4	Circ. to run	Number Reg. Men 4	Extra Men	Man Hrs. 32			
2 pm to 3 pm	3/4									1/4	E Log	Hole Made 22	Depth at End Tour 2645				
3 pm to 4 pm	3/4				1/4							Driller: L. W. Giesz					
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	3/4				1/4						Running on open End	pH	Ser. No.				
8 pm to 9 pm	1/2									1/2		Filtercake	Slope Test *@				
9 pm to 10 pm											Running plugs and laying down drill pipe.	Number Reg. Men 4	Extra Men	Man Hrs. 32			
10 pm to 11 pm												Hole Made	Depth at End Tour				
11 pm to 12 m												Driller: L. W. Giesz					
Totals											GRAND TOTAL:	Hours	Approved: <u>L. W. Giesz</u>	Dist. Supt.	Signed: <u>W. J. Hughes</u>		

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field Wildcat Lease B.A.F.H.C. Lone Mountain Well No. 2 Date Sept 9, 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: _____ Depths Below _____
 Size: 7" GL. Are From: _____
 Set at 357' 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.	Depth From	Depth To	Recovery	Formation	
12 m to 1 am											Finished running plugs & laying down drill pipe washed out mud pump & cleaned out lines	Mud Wt.	Bit Run No.	Depth From	Depth 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.	32	with name of test hole marked on in Cement		
6 am to 7 am												Hole Made	Depth at End Tour					
7 am to 8 am												Driller: W.D. Hargreaves					Rig released at 12:00 Noon	
8 am to 9 am											Left for plug #2 Paving out Rig released 12:00 Noon	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	@		COMPANY REPRESENTATIVE'S SUMMARY		
1 pm to 2 pm												Number Reg. Men	Extra Men	Man Hrs.	32	Spotted cement plug #2		
2 pm to 3 pm											Paving down & loading Pirogos	Hole Made	Depth at End Tour				397'-317' w/15 sacks Cement	
3 pm to 4 pm												Driller: L.M. Gentry						Started L.M. 12:30 A.M. Completed
4 pm to 5 pm												Mud Wt.	Bit Run No.					11:50 A.M. After W.O.C. 9 hrs
5 pm to 6 pm												Viscosity	Bit Size					felt plug at 328'. Laid
6 pm to 7 pm												Water Loss	Bit Type					down. Drill pipe. Unspooled
7 pm to 8 pm												pH	Ser. No.					B.O.P. Filled top of csg
8 pm to 9 pm												Filtercake	Slope Test	@				w/15 SACK Cement. Welded
9 pm to 10 pm												Number Reg. Men	Extra Men	Man Hrs.	16	Steel plate in top. Capped		
10 pm to 11 pm												Hole Made	Depth at End Tour				csg w/45 SACKS Cement	
11 pm to 12 m												Driller: L.M. Gentry					Anchored 2 1/4" pipe	
Totals											GRAND TOTAL:	Hours	Approved: <u>L.M. Gentry</u>	Dist. Supt.	Signed: <u>J.P. Judson</u>			

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field LONE MNT. Wildcat Lease B.A.E. R. Lone Mnt. Well No. 2 Date Aug 28 1953
 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: _____ Depths Below _____
 Size: 7 _____ G.L. Are From: _____
 Set at 357 K.B. 395 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.	Depth From	Depth To	Recovery	Formation
12 n to 1 am		/										Mud Wt. 11	Bit Run No. 18			
1 am to 2 am		/										Viscosity 43	Bit Size 6 1/2			
2 am to 3 am		/										Water Loss 9	Bit Type GWS			
3 am to 4 am		/										pH 8.0	Ser. No. 71841			
4 am to 5 am		/										Filtercake 3/32	Slope Test @			
5 am to 6 am		/										Number Reg. Men 4	Extra Men Man Hrs. 32			
6 am to 7 am		1/2									1/2 Mix. Gel.	Hole Made 20	Depth at End Tour 1775			
7 am to 8 am		1										Driller: D. Parker				
8 am to 9 am		1										Mud Wt. 11.2	Bit Run No. 19			
9 am to 10 am		1/4	1/2								1/4 Service Rig	Viscosity 43	Bit Size 6 1/2			Mix 3 bags Gel
10 am to 11 am		1										Water Loss 9.6	Bit Type GWS			Mix 5 " Gel
11 am to 12 n		1										pH 8	Ser. No. 67471			
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. 32			
2 pm to 3 pm		1										Hole Made 52	Depth at End Tour 1827			
3 pm to 4 pm		1										Driller: M. Goetz				
4 pm to 5 pm		1										Mud Wt. 11	Bit Run No. 19			
5 pm to 6 pm		1										Viscosity 43	Bit Size 6 1/2			
6 pm to 7 pm		1										Water Loss 12	Bit Type GWS			
7 pm to 8 pm		1										pH 8.0	Ser. No. 67471			
8 pm to 9 pm		1/4										Filtercake 3/32	Slope Test @			
9 pm to 10 pm		3/4									1/4 Mixing Gel.	Number Reg. Men 4	Extra Men Man Hrs. 32			
10 pm to 11 pm		3/4									1/4 Mixing Gel.	Hole Made 53	Depth at End Tour 1882			
11 pm to 12 m		1										Driller: M. Goetz				
Totals											GRAND TOTAL:	Hours	Approved: <u>[Signature]</u>	Dist. Supt.	Signed: <u>[Signature]</u>	

DAILY DRILLING REPORT

Field Lone Mtn. Wildcat Lease B.A.E. H.B. Lone Mtn. Well No. 2 Date Aug 30, 1953
District WESTON Prov. N.W.T. Contractor Petrol Ltd
Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other Drill Pipe Size 3 1/2"
Last Casing: 7" Elevation: _____ Depths Below _____ Steel Line Measurement: _____
Size: _____ G.L. Are From: _____ Former Depth: _____
Set at 352' 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	Type rig: ☐ Rotary ☐ Cable	Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other	Drill Pipe Size				
											Last Casing: 7"	Elevation:	Depths Below	Steel Line Measurement:			
Size: 7"												GL	Are From:	Former Depth			
Set at: 352' K.B.												K.B.	☐ K.B. ☐ GL	Corrected Depth			
DRILLER'S REMARKS												DRILLER'S DATA			FORMATION OR CORE RECORD		
12 m to 1 am		1										Mud Wt. 11	Bit Run No. 19	Depth From To	Recovery	Formation	
1 am to 2 am		1										Viscosity 40	Bit Size 6 7/8				
2 am to 3 am		1										Water Loss 11	Bit Type OWS				
3 am to 4 am		1										pH 8.0	Ser. No. 6747				
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. 32			
6 am to 7 am		1										Hole Made 77	Depth at End Tour 1935'				
7 am to 8 am	1/2	1/2										Driller: A. Whitson				Mix 25" Drill 25" Caus	
8 am to 9 am	1											Mud Wt. 11	Bit Run No. 20			Mix 25" Drill 25" Caus	
9 am to 10 am	1											Viscosity 42	Bit Size 6 7/8			Mix 25" Drill 25" Caus	
10 am to 11 am	1/4 3/4											Water Loss 12.6	Bit Type OWS			Mix 25" Drill 25" Caus	
11 am to 12 n	1											pH 9	Ser. No. 6747 77844			Mix 25" Drill 25" Caus	
12 n to 1 pm	1											Filtercake 3/32	Slope Test *			COMPANY REPRESENTATIVE'S SUMMARY	
1 pm to 2 pm	1											Number Reg. Men 4	Extra Men	Man Hrs. 32		Drilled 6 7/8" hole to	
2 pm to 3 pm	1											Hole Made 71	Depth at End Tour 2006			2050'. Limer dolomite	
3 pm to 4 pm	1/2									1/2		Driller: L. M. Garry				approx 70' thick	
4 pm to 5 pm	3/4									1/4		Mud Wt. 11	Bit Run No. 20			Dolomite & marble	
5 pm to 6 pm	1											Viscosity 43	Bit Size 6 7/8			between 1935-2000'	
6 pm to 7 pm	3/4									1/4		Water Loss 12	Bit Type OWS			before drilling in to	
7 pm to 8 pm	1/2									1/2		pH 8.0	Ser. No. 77844			dolomite & second	
8 pm to 9 pm	3/4									1/4		Filtercake 3/32	Slope Test *			time.	
9 pm to 10 pm	1											Number Reg. Men 4	Extra Men	Man Hrs. 32			
10 pm to 11 pm	1											Hole Made 44	Depth at End Tour 2050'				
11 pm to 12 m	1											Driller: L. M. Garry					
Totals											GRAND TOTAL:	Hours	Approved: J. H. Garry	Dist. Supt.	Signed: J. H. Garry		

DAILY DRILLING REPORT

Field Lone Mt. Wildcat Locs B.A.E.P. Lone Mt. Well No. 2 Date Aug 28, 53
 District Western Canada Prov. Alberta Contractor Petrol. Ltd.
 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 357' K.B. _____ K.E. _____ ☐ 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		1										Mud Wt. 11	Bit Run No. 17	Viscosity 43	Bit Size 6 1/8	Water Loss 10	Bit Type OWS	pH	Ser. No. 7196	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 27	Depth at End Tour 1672	Driller: D. Parker				
1 am to 2 am		1										Mud Wt. 11.1	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.2	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 41	Depth at End Tour 1713	Driller: L. M. Gatten				
2 am to 3 am		1										Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
3 am to 4 am		1										Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
4 am to 5 am		1										Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
5 am to 6 am		1										Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
6 am to 7 am	1/4	3/4										Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
7 am to 8 am	1											Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
8 am to 9 am	3/4											Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
9 am to 10 am	1											Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
10 am to 11 am	1											Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
11 am to 12 n	1											Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
12 n to 1 pm	1											Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
1 pm to 2 pm	1											Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
2 pm to 3 pm	1											Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
3 pm to 4 pm	1											Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
4 pm to 5 pm	3/4											Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
5 pm to 6 pm	1											Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
6 pm to 7 pm	1											Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
7 pm to 8 pm	1											Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
8 pm to 9 pm	1											Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
9 pm to 10 pm	1											Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
10 pm to 11 pm	1											Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
11 pm to 12 m	1											Mud Wt. 11	Bit Run No. 18	Viscosity 43	Bit Size 6 1/8	Water Loss 9.0	Bit Type OWS	pH 9.0	Ser. No. 71841	Filtercake 2/32	Slope Test @	Number Reg. Men 4	Extra Men	Man Hrs. 32	Hole Made 42	Depth at End Tour 1755	Driller: L. M. Gatten				
Totals												GRAND TOTAL:				Hours	Approved: <u>L. M. Gatten</u>	Dist. Supt.	Signed: <u>J. Lichman</u>												

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field LOVE MOUNTAIN Lease B.A.F.H.B. LOVE Mountain Well No. 2 Date AUG 29, 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: GL. Depths Below: 395±
 Size: 35-7' K.B. 395± K.B. ☐ K.B. ☐ G.L.
 Set at: 35-7' K.B. 395± 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.	Depth From	Depth To	Recovery	Formation
12 m to 1 am												Mud Wt. 10.5	Bit Run No. 16				
1 am to 2 am												Viscosity 43	Bit Size 6 1/8				
2 am to 3 am												Water Loss 9.2	Bit Type WTR				
3 am to 4 am												pH	Ser. No. 69433				
4 am to 5 am												Filtercake 2/32	Slope Test @				
5 am to 6 am												Number Reg. Men 4	Extra Men	Man Hrs. 32			
6 am to 7 am												Hole Made 20	Depth at End Tour 1597				
7 am to 8 am	1											Driller: D. Parker					
8 am to 9 am	3/4											Mud Wt. 11	Bit Run No. 17				
9 am to 10 am	1/2										1/2 Work on pump	Viscosity 43	Bit Size 6 1/8				
10 am to 11 am												Water Loss 11	Bit Type AWS				
11 am to 12 n												pH	Ser. No. 71920				
12 n to 1 pm												Filtercake 2/32	Slope Test @				
1 pm to 2 pm												Number Reg. Men 4	Extra Men	Man Hrs. 32			
2 pm to 3 pm												Hole Made 23	Depth at End Tour 1620				
3 pm to 4 pm												Driller: L.M. Goetz					
4 pm to 5 pm												Mud Wt. 11	Bit Run No. 17				
5 pm to 6 pm												Viscosity 44	Bit Size 6 1/8				
6 pm to 7 pm												Water Loss 10.2	Bit Type AWS				
7 pm to 8 pm												pH	Ser. No. 71920				
8 pm to 9 pm	1/2										1/2 Running P.S.	Filtercake 2/32	Slope Test @				
9 pm to 10 pm												Number Reg. Men 4	Extra Men	Man Hrs. 32			
10 pm to 11 pm												Hole Made 25	Depth at End Tour 1645				
11 pm to 12 m												Driller: L.M. Goetz					
Totals												GRAND TOTAL:	Hours	Approved: <u>[Signature]</u>	Dist. Supt.	Signed: <u>[Signature]</u>	

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field LONE MNT. WILDCAT Lease B.A.F.H.B. LONE MNT Well No. 2 Date Aug 26, 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: GL Depths Below: GL
 Size: 357' K.B. Set at: 395' K.B. Are From: GL
 Drill Pipe Size: 3 1/2
 Steel Line Measurement: GL
 Former Depth: GL
 Corrected Depth: GL

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 From	Depth To	Recovery	Formation
12 m to 1 am		1										Mud Wt. 11	Bit Run No. 15				
1 am to 2 am		1										Viscosity 43	Bit Size 6 1/8				
2 am to 3 am		1										Water Loss 12	Bit Type OWS				
3 am to 4 am		1										pH	Ser. No. 71903				
4 am to 5 am		1										Filtercake 7/2	Slope Test @				
5 am to 6 am		1										Number Reg. Men 4	Extra Men Man Hrs. 32				
6 am to 7 am	1/2										1/2 Working on Pump	Hole Made 24	Depth at End Tour 1530				
7 am to 8 am	1											Driller: D. Parker					
8 am to 9 am										1		Mud Wt. 11	Bit Run No. 16				
9 am to 10 am										1	Charge Heads & liner in pump	Viscosity 43	Bit Size 6 1/8				
10 am to 11 am										1		Water Loss 14	Bit Type WTR				
11 am to 12 n										1		pH	Ser. No. 69433				
12 n to 1 pm	3/4	1/4										Filtercake	Slope Test @				
1 pm to 2 pm		1										Number Reg. Men 4	Extra Men Man Hrs. 32				
2 pm to 3 pm		1										Hole Made 7	Depth at End Tour 1557				
3 pm to 4 pm		1										Driller:					
4 pm to 5 pm		1										Mud Wt. 11	Bit Run No. 16				
5 pm to 6 pm		1										Viscosity 47	Bit Size 6 1/8				
6 pm to 7 pm		1										Water Loss 14	Bit Type WTR				
7 pm to 8 pm		1										pH	Ser. No. 69433				
8 pm to 9 pm	1/2										1/2 Mixing Gel.	Filtercake 7/2	Slope Test @				
9 pm to 10 pm		1										Number Reg. Men 4	Extra Men Man Hrs. 32				
10 pm to 11 pm		1										Hole Made 20	Depth at End Tour 1577				
11 pm to 12 m		1										Driller:					
Totals											GRAND TOTAL:	Hours	Approved: <u>[Signature]</u>	Dist. Supt.	Signed: <u>[Signature]</u>		

DAILY DRILLING REPORT

Field LOVE MOUNT WILDCAT Lease B.A.E.P. LOVE MOUNT Well No. 2 Date Aug 25, 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: _____ Depths Below _____ Steel Line Measurement: _____
 Size: 7" _____ GL. Are From: _____ Former Depth: _____
 Set at 357 K.B. 395 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 From	To	Recovery	Formation
12 m to 1 am		1										Mud Wt. 11	Bit Run No. 14			
1 am to 2 am		1										Viscosity 41	Bit Size 6 1/8			
2 am to 3 am		1										Water Loss 12	Bit Type OSC			
3 am to 4 am		1										pH	Ser. No. 70525			
4 am to 5 am		1										Filtercake 1/32	Slope Test @			
5 am to 6 am		1										Number Reg. Men 4	Extra Men Man Hrs. 32			
6 am to 7 am		1										Hole Made 15	Depth at End Tour 1470			
7 am to 8 am		1										Driller: D. Parker				
8 am to 9 am		1										Mud Wt. 11	Bit Run No. 14 15			
9 am to 10 am	3/4										1/4 Service R.g	Viscosity 42	Bit Size 6 1/8 6 1/8			
10 am to 11 am	1											Water Loss 10.8	Bit Type OSC OWS			
11 am to 12 n		1										pH	Ser. No. 70525 71903			
12 n to 1 pm		1										Filtercake 1/32	Slope Test @			
1 pm to 2 pm		1										Number Reg. Men 4	Extra Men Man Hrs. 32			
2 pm to 3 pm		1										Hole Made 25	Depth at End Tour 1495			
3 pm to 4 pm		1										Driller: L.M. Goerz				
4 pm to 5 pm		1										Mud Wt.	Bit Run No. 15			
5 pm to 6 pm		1										Viscosity	Bit Size 6 1/8			
6 pm to 7 pm		1										Water Loss	Bit Type OWS			
7 pm to 8 pm		1										pH	Ser. No. 71903			
8 pm to 9 pm	9/16										1/4 Work on Pump	Filtercake	Slope Test @			
9 pm to 10 pm	1											Number Reg. Men 4	Extra Men Man Hrs. 32			
10 pm to 11 pm	1											Hole Made 31	Depth at End Tour 1526			
11 pm to 12 m	1											Driller: L.M. Goerz				
Totals											GRAND TOTAL:	Hours	Approved: <u>L.M. Goerz</u>	Dist. Supt.	Signed: <u>M. L. L. L.</u>	

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field LONE MNT. WILDCAT Lease P.A.E.H.B. Lone Mnt Well No. 2 Date Aug 24, 53
 District WESTERN Prov. N.W.T. Contractor Petrol LTD
 Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other
 Last Casing: _____ Elevation: _____ Depths Below _____
 Size: 7" GL. Are From: _____
 Set at 357' K.B. 395' K.B. ☐ K.B. ☐ GL. 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 From	Depth To	Recovery	Formation	
12 m to 1 am	/											Mud Wt. 11	Bit Run No. 12					
1 am to 2 am	/											Viscosity 42	Bit Size 6 1/8					
2 am to 3 am	/											Water Loss 11.2	Bit Type OWS					
3 am to 4 am	/											pH	Ser. No. 71539					
4 am to 5 am	/											Filtercake 3/4	Slope Test *@					
5 am to 6 am	/											Number Reg. Men 4	Extra Men	Man Hrs. 32				
6 am to 7 am	/											Hole Made 7	Depth at End Tour 1404					
7 am to 8 am	/											Driller: D. Parker						
8 am to 9 am	3/4									1/4	Service Rig	Mud Wt.	Bit Run No. 12	13				
9 am to 10 am	/											Viscosity	Bit Size 6 1/8	6 1/8				
10 am to 11 am	/											Water Loss	Bit Type OWS	OWS				
11 am to 12 n	3/4 1/4										LAY down wash out	pH	Ser. No. 71912	71921				
12 n to 1 pm	/										T.L.	Filtercake	Slope Test *@					
1 pm to 2 pm	/											Number Reg. Men 4	Extra Men	Man Hrs. 32				
2 pm to 3 pm	/											Hole Made 27	Depth at End Tour 1431					
3 pm to 4 pm	/											Driller: L.M. Goerz						
4 pm to 5 pm	/											Mud Wt. 10.8	Bit Run No. 13	14				
5 pm to 6 pm	/											Viscosity 43	Bit Size 6 1/8	6 1/8				
6 pm to 7 pm	/											Water Loss 12.2	Bit Type OWS	OSC				
7 pm to 8 pm	/											pH	Ser. No. 71921	70525				
8 pm to 9 pm	/											Filtercake	Slope Test *@					
9 pm to 10 pm	/											Number Reg. Men 4	Extra Men	Man Hrs. 32				
10 pm to 11 pm	/											Hole Made 27	Depth at End Tour 1455					
11 pm to 12 m	/											Driller: L.M. Goerz						
Totals												Driller: D. PARKER						

GRAND TOTAL:

Hours

Approved: L.M. Goerz

Dist. Supe.

Signed: J. L. Parker

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field LONE MNT. WILCOX Lease B.A.S.H.B. Lone MNT. Well No. 2 Date Aug 23, 53
 District WESTERN CANADA Prov. ALBERTA Contractor Petrol LTD
 Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other
 Last Casing: 7" Elevation: GL Depths Below: STEEL Drill Pipe Size 3 1/2
 Size: 357' K.B. 395±' K.B. Are From: GL Former Depth: GL
 Set at: 357' K.B. 395±' K.B. ☐ K.B. ☐ GL Corrected Depth: GL

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 From	Depth To	Recovery	Formation	
12 m to 1 am		1										Mud Wt. 10.9	Bit Run No. 8	9				
1 am to 2 am		1										Viscosity 40	Bit Size 6 1/8	6 1/8				
2 am to 3 am	1											Water Loss 10.8	Bit Type OSC	WTR				
3 am to 4 am	1/2	1/2										pH	Ser. No. 71855	69478				
4 am to 5 am		1										Filtercake 1/32	Slope Test @					
5 am to 6 am		1										Number Reg. Men 4	Extra Men	Man Hrs. 32				
6 am to 7 am		1										Hole Made 8	Depth at End Tour	1383				
7 am to 8 am		1										Driller: D. Parkey						
8 am to 9 am	1/2	1/4								1/4	Service rig	Mud Wt. 11	Bit Run No. 9	10	11			
9 am to 10 am	1											Viscosity 44	Bit Size 6 1/8	6 1/8	6 1/8			
10 am to 11 am		1										Water Loss 9.2	Bit Type WTR	OSC	OWS			
11 am to 12 n		1										pH	Ser. No. 69478	72112	71839			
12 n to 1 pm	1/4	3/4										Filtercake 1/32	Slope Test @					
1 pm to 2 pm	1											Number Reg. Men 4	Extra Men	Man Hrs. 32				
2 pm to 3 pm	1/4									3/4	Work on Rotating chain pump	Hole Made 3	Depth at End Tour	1386				
3 pm to 4 pm		1/2								1/2		Driller: L.M. Gault						
4 pm to 5 pm		1										Mud Wt. 10.7	Bit Run No. 11					
5 pm to 6 pm		1/2								1/2		Viscosity 43	Bit Size 6 1/8					
6 pm to 7 pm		1										Water Loss 11	Bit Type OSC					
7 pm to 8 pm		3/4								1/4		pH	Ser. No. 71839					
8 pm to 9 pm		1										Filtercake 3/32	Slope Test @					
9 pm to 10 pm		1										Number Reg. Men 4	Extra Men	Man Hrs. 32				
10 pm to 11 pm	1/2	1/2										Hole Made 12	Depth at End Tour	1397				
11 pm to 12 m	1											Driller: L.M. Gault						
Totals												GRAND TOTAL:	Hours	Approved: <u>L.M. Gault</u>	Dist. Supt.	Signed: <u>H. Lachnick</u>		

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field LINE NW Wildcat Lease B.O.S. H.E. Line Mar Well No. 2 Date Aug 22, 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: _____ Depths Below _____ Steel Line Measurement: _____
 Size: 7" G.L. Are From: _____ Former Depth: _____
 Set at: 357' 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.	From	To	Recovery	Formation
12 m to 1 am		1										Mud Wt. 11.1	Bit Run No. 6			
1 am to 2 am		1										Viscosity 48	Bit Size 6 1/8			
2 am to 3 am		1 3/4										Water Loss 10.4	Bit Type OSC			
3 am to 4 am		1										pH	Ser. No. 74302			
4 am to 5 am		1 1/2										Filtercake 3/32	Slope Test *@			
5 am to 6 am		1										Number Reg. Men 4	Extra Men	Man Hrs. 32		
6 am to 7 am		1										Hole Made 42	Depth at End Tour	1317		
7 am to 8 am		1										Driller: D. Parker				
8 am to 9 am		3/4									1/4	Mud Wt. 11.3	Bit Run No. 7			
9 am to 10 am		1										Viscosity 42	Bit Size 6 1/8			
10 am to 11 am		1										Water Loss 10.2	Bit Type OSC			
11 am to 12 n		1										pH	Ser. No. 74304			
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. 32		
2 pm to 3 pm		1										Hole Made 45	Depth at End Tour	1362		
3 pm to 4 pm		1										Driller: L.M. Gault				
4 pm to 5 pm		1										Mud Wt.	Bit Run No. 7	8		
5 pm to 6 pm		1										Viscosity	Bit Size 6 1/8	6 1/8		
6 pm to 7 pm		1										Water Loss	Bit Type OSC	OSC		
7 pm to 8 pm		1										pH	Ser. No. 74304	718.53		
8 pm to 9 pm		1										Filtercake	Slope Test *@			
9 pm to 10 pm		1										Number Reg. Men 4	Extra Men	Man Hrs. 32		
10 pm to 11 pm		1										Hole Made 13	Depth at End Tour	1375		
11 pm to 12 m		1										Driller: L.M. Gault				
Totals												GRAND TOTAL:	Hours	Approved: [Signature]	Dist. Supt.	Signed: [Signature]

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field LONE MOUNTAIN Wildcat Lease B.A.E.H.B. LONE MNT. Well No. 2 Date Aug 21, 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: _____ Depths Below _____
 Size: 7" _____ G.L. _____ Are From: _____
 Set at 357' 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.	Depth From	Depth To	Recovery	Formation	
12 m to 1 am		1										Mud Wt. 10.8	Bit Run No. 5	6				
1 am to 2 am		1										Viscosity 45	Bit Size 6 1/8	6 1/8				
2 am to 3 am		1										Water Loss 11	Bit Type OSC	OSC				
3 am to 4 am		1										pH	Ser. No. 71962	71202				
4 am to 5 am		1										Filtercake 2/32	Slope Test *	@				
5 am to 6 am		1										Number Reg. Men 4	Extra Men	Man Hrs. 32				
6 am to 7 am	1 1/2											Hole Made 40	Depth at End Tour	11.20				
7 am to 8 am	1											Driller: D. Parker						
8 am to 9 am	1 1/4										Service rig	Mud Wt. 10.5	Bit Run No. 6					
9 am to 10 am	1											Viscosity 44	Bit Size 6 1/8					
10 am to 11 am	1											Water Loss 10.4	Bit Type OSC					
11 am to 12 n	1											pH	Ser. No. 71202					
12 n to 1 pm	1											Filtercake 2/32	Slope Test *	@				
1 pm to 2 pm	1											Number Reg. Men 4	Extra Men	Man Hrs. 32				
2 pm to 3 pm	1											Hole Made 92	Depth at End Tour	1212				
3 pm to 4 pm	1											Driller: L. M. Gars						
4 pm to 5 pm	1											Mud Wt. 10.7	Bit Run No. 6					
5 pm to 6 pm	1											Viscosity 44	Bit Size 6 1/8					
6 pm to 7 pm	1											Water Loss 10.2	Bit Type OSC					
7 pm to 8 pm	1											pH	Ser. No. 71202					
8 pm to 9 pm	1											Filtercake	Slope Test *	@				
9 pm to 10 pm	1											Number Reg. Men 4	Extra Men	Man Hrs. 32				
10 pm to 11 pm	1											Hole Made 63	Depth at End Tour	1275				
11 pm to 12 m	1											Driller: D. Parker						
Totals											GRAND TOTAL:	Hours	Approved: <u>L. M. Gars</u>	Dist. Supt.	Signed: <u>N. Lindqvist</u>			

DAILY DRILLING REPORT

Field LINE MNT Wildcat Lease B.A.E.H.B. LINE MNT Well No. 2 Date Aug 20

District _____ Prov. _____ Contractor _____

Type rig: ☐ Rotary ☐ CableFuel Used: ☐ Gas ☒ Diesel ☐ L.P.G. ☐ OtherDrill Pipe Size 3 1/2

Last Casing:

Elevation:

Depths Below

Steel Line Measurement:

Size:

G.L.

Are From:

Former Depth

Set at 357' 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 From	Depth To	Recovery	Formation
12 m to 1 am	/											Mud Wt. 10.6	Bit Run No. 4/5			
1 am to 2 am	/											Viscosity 48	Bit Size 6 1/8			
2 am to 3 am	/											Water Loss 10-2	Bit Type OSC			
3 am to 4 am	/											pH	Ser. No. 74307			
4 am to 5 am	/											Filtercake	Slope Test @			
5 am to 6 am	1/4 3/4											Number Reg. Men 4	Extra Men	Man Hrs. 32		
6 am to 7 am	/											Hole Made 29	Depth at End Tour 96.4			
7 am to 8 am	/											Driller: D. Parker				
8 am to 9 am	3/4									1/4 Service rig		Mud Wt. 10.6	Bit Run No. 5			
9 am to 10 am	/											Viscosity 42	Bit Size 6 1/8			
10 am to 11 am	/											Water Loss 10.6	Bit Type OSC			
11 am to 12 n	/											pH	Ser. No. 71962			
12 n to 1 pm	/											Filtercake 2/32	Slope Test @			
1 pm to 2 pm	/											Number Reg. Men 4	Extra Men	Man Hrs. 32		
2 pm to 3 pm	/											Hole Made 57.6	Depth at End Tour 1020			
3 pm to 4 pm	/											Driller: L. M. Gormez				
4 pm to 5 pm	/											Mud Wt.	Bit Run No. 5			
5 pm to 6 pm	/											Viscosity	Bit Size 6 1/8			
6 pm to 7 pm	/											Water Loss	Bit Type OSC			
7 pm to 8 pm	/											pH	Ser. No. 71962			
8 pm to 9 pm	/											Filtercake	Slope Test @			
9 pm to 10 pm	/											Number Reg. Men 4	Extra Men	Man Hrs. 32		
10 pm to 11 pm	/											Hole Made 66	Depth at End Tour 1080			
11 pm to 12 m	/											Driller: L. M. Gormez				
Totals											GRAND TOTAL:	Hours	Approved: <u>L. M. Gormez</u>	Dist. Supt.	Signed: <u>M. Lusk</u>	

DAILY DRILLING REPORT

Field LONE MOUNTAIN WILBERT Lease R. P. E. H. B. LONE MNT Well No. 2 Date Aug 19
 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: Depths Below
 Size: 7" GL. Are From:
 Set at 357' K.B. ☐ K.B. ☐ GL. 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.	Depth From	Recovery To	Formation
12 m to 1 am											<u>Mixing Gel</u>	Mud Wt. <u>10</u>	Bit Run No. <u>3</u>		
1 am to 2 am		1										Viscosity <u>34</u>	Bit Size <u>6 3/8</u>		
2 am to 3 am		1										Water Loss <u>16</u>	Bit Type <u>OSC</u>		<u>Mixed 3 1/2 Bags Gel</u>
3 am to 4 am		1										pH	Ser. No. <u>71959</u>		
4 am to 5 am		1										Filtercake	Slope Test <u>@</u>		
5 am to 6 am		1										Number Reg. Men <u>4</u>	Extra Men <u>Man Hrs. 32</u>		
6 am to 7 am		1										Hole Made <u>210</u>	Depth at End Tour <u>695</u>		
7 am to 8 am		1										Driller: <u>D. Parker</u>			
8 am to 9 am											<u>Service R. & L. M. and</u>	Mud Wt. <u>9.9</u>	Bit Run No. <u>3</u> <u>4</u>		
9 am to 10 am											<u>Work on rig</u>	Viscosity <u>40</u>	Bit Size <u>6 3/8</u> <u>6 3/8</u>		<u>Mixed 5 sacks Gel</u>
10 am to 11 am	<u>3/4</u>											Water Loss <u>12</u>	Bit Type <u>OSC</u> <u>OSC</u>		
11 am to 12 n		1										pH	Ser. No. <u>71959</u> <u>74307</u>		
12 n to 1 pm		1										Filtercake <u>2/3</u>	Slope Test <u>@</u>		
1 pm to 2 pm		1										Number Reg. Men <u>4</u>	Extra Men <u>Man Hrs. 32</u>		
2 pm to 3 pm	<u>1/2</u>	<u>1/2</u>										Hole Made <u>115</u>	Depth at End Tour <u>810</u>		
3 pm to 4 pm	<u>1/2</u>	<u>1/2</u>										Driller: <u>L. M. Goetz</u>			
4 pm to 5 pm		1										Mud Wt. <u>10.5</u>	Bit Run No. <u>7</u>		
5 pm to 6 pm		1										Viscosity <u>45</u>	Bit Size <u>6 3/8</u>		
6 pm to 7 pm		1										Water Loss <u>11</u>	Bit Type <u>OSC</u>		
7 pm to 8 pm		1										pH	Ser. No. <u>74307</u>		
8 pm to 9 pm		1										Filtercake	Slope Test <u>@</u>		
9 pm to 10 pm		1										Number Reg. Men <u>4</u>	Extra Men <u>Man Hrs. 32</u>		
10 pm to 11 pm		1										Hole Made <u>125</u>	Depth at End Tour <u>935</u>		
11 pm to 12 m		1										Driller: <u>L. M. Goetz</u>			
Totals											GRAND TOTAL:	Hours	Approved: <u>[Signature]</u>	Dist. Supt.	Signed: <u>[Signature]</u>