B.A.-H.B. JEAN MARIÈ
CREEK No. 1

Drilling Authority No. ....
Date Issued ....

WELL NAME B.A.-H.B. Jean Marie Creek No. 1
FIELD Wildcat .... **Area:** Fort Simpson
LOCATION: Unit .... Section .... Grid ....
Latitude 61°32' N .... Longitude 120°38'15" W.
From Established Reference Marker ....

Rig Release Date: 13-10-53
Status D & A
Information Release Date 13-10-55

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.

#18

CANADA

DEPARTMENT OF RESOURCES AND DEVELOPMENT

NORTHERN ADMINISTRATION AN' LANDS BRANCH

NOTICE OF INTENTION TO (ABANDON) **A WELL**
([redacted])
([redacted])
([redacted])

(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.-N.R. Jean Marie Creek #1** ..on Oil

and Gas (Permit No. **8**......) (Lease No. **897**.....) registered in the name of **Reese**.....................

Depth **2111'**.........feet. Elevation above sea level: **K.B. to Mackenzie water level 21.9'** Ground surface ......ft. Kelly bushing ....ft.

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

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

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

Survey description **Mouth of Jean Marie Creek where Longitude 120° 38' crosses S.W. 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.	7"	20#	82.19'	91'	40	displacement	no
2.	......	....	......	......	......	......	......
3.	......	....	......	......	......	......	......

OIL, GAS and WATER

Encountered — Cement plugs to be set

Oil from — ..... feet to .....feet. From ......feet to......feet with.....sacks

....

....

Gas from — ..... feet to ..... feet. From ......feet to......feet with......sacks.

....

....

noted in drill record
16-10-53
[signature]

(Over)

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

....

....

Bottom plug from 2111 feet to 2051 feet with 18 sacks

Surface plug from 141 feet to 41 feet with 30 sacks

Date of last operations Sept. 30, 1953 ....Total depth.... 2111'..........

Nature of liquid in well ..... mud ....Level from surface 2'........

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

Ditch dug through dyke in sump. Pits to be filled at later date.............

....

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

Program of operation not included above: Top of 7" casing filled with 1 sack of cement. Steel plate welded on top and capped with 4 sacks of cement. 2" x 4' steel pipe anchored in cement with name of test hole marked on it.

....

Responsible agents of permittee or lessee in charge of operation:

At well Nestor Ludwick ....   At registered office: Mr. L.W. Powell ....

Postal address Fort Simpson ....   Postal address 10022 Jasper Ave., Edmonton

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

Dated at Jean Marie Creek ....this ....30th....day of ....September........1953

Signed by L.W. Powell ....
L.W. Powell

This program is approved subject to the following provisions:

....

....

....

13 Oct 53 ....   A.B. Irwin ....
Date   Conservation Engineer

C A N A D A

DEPARTMENT OF RESOURCES AND DEVELOPMENT

NORTHERN ADMINISTRATION AND LANDS BRANCH

(ABANDONMENT)
(~~COMPLETION~~) REPORT
(~~SUSPENSION~~)

(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.

Permit No. ..6......
Name of well B.A.-H.B. Jean Marie Creek #1.... Lease No. .807.....

Registered owner ......Bowes..............Drilling company ..Peteal Ltd......

Location: (Survey description) Mouth of Jean Marie Creek where Longitude 120° 58'

. crosses S.W. bank of Mackenzie River.................................

Elevation: ~~Ground~~ .... ~~Kelly bushing~~ K.B. to Mackenzie water level 27.9'. ....Depth. 2111'....

Spudded Sept. 16, 1955.....Finished drilling Sept. 29, 1955 Rig released Sept. 30, 1955

Deviations from vertical. none taken..................................

CASING

	Size O.D. inches	Amount feet	Grade	New or used	Set at feet	Sacks cement
1.	7"	81.19	H-40 J-55	new	81	40
2.	....	......	.....	......	......	......
3.	....	......	.....	......	......	......

TUBING

....

Status of well on completion of drilling .Plugged and abandoned.........

Producing zone ....

Cored intervals ....

....

....

Interval logged: E-log 2111' - 81'........ M-log ....

R-log .... Other ....

DRILLSTEM TESTS

Test No.	Date	Interval tested	Duration	Results
....	......	....	....	....
....	......	....	....	....

(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

From	To	Sacks cement	Felt At
2111'	2061'	12	-
151'	51'	20	40'

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

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

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

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

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

ADDITIONAL DETAILS AND COMMENTS

Top of casing filled with 1 sack of cement. Steel plate welded on top of 7" casing and capped with 4 sacks of cement. 2" x 4' steel pipe with name of well marked on it was anchored in cement. Pits to be filled.

Signed [signature]

Address

5F651

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).

Bey

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. 507 registered in the name of Lease No. .... G. H. Bowes

TYPE OF WELL:
Stratigraphic test: x
Structure Test: ......
Anticipated number of holes ...... (Required for Structure Test Only)
Expected total depth: 2700 feet.
Wildcat: ......
Development: ......

The well will be located:

2 3/4 miles	(N of S boundary) ~~(S of N boundary)~~	of	(Permit No. 507) (Lease No. .....)	at approx. 61° 32'	N Lat.
1 mile	~~(W of E boundary)~~ (E of W boundary)	of	(Permit No. .....) (Lease No. 507)	at approx. 120° 38' 15"	W Long.

Survey description of location: A point on the west bank of Jean Marie Creek and the south bank of the Mackenzie River North Latitude 61° 32', West Longitude 120° 38' 15".

Approximate surface elevation of 450 feet above sea level.

Name of well: British American-Hudson's Bay Jean Marie #1

Type of drilling rig: Cardwell Mobil Hoist

Expected date of commencement: September 17, 1953.

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

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

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

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

noted in drill records

(over)

An electric log {will / ~~will not~~} be run.

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

Responsible agents of permittee or lessee in charge of operation:

At well: Nester Ludwick — At registered office: O. W. Wall

Postal address: General Delivery, Fort Simpson, N.W.T. — Postal address: 409 3rd Street West, Calgary, Alberta.

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

Dated at Calgary, Alberta, this 15th day of September 1953.

Signed by J. B. Manning

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

21 Sep 53
Date

A. B. Irwin
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. 907 registered in the name of
Lease No. ....
G. H. Dawes

TYPE OF WELL:
Stratigraphic test: x
Wildcat: ......
Structure Test: ......
Development: ......
Anticipated number of holes ...... (Required for Structure Test Only)
Expected total depth: 2700 feet.

The well will be located:

2 3/4 miles (N of S boundary) ~~(S of N boundary)~~ of (Permit No. 907) (Lease No. ......) at approx. 61° 32' N Lat.

1 mile ~~(W of E boundary)~~ (E of W boundary) of (Permit No. 907) (Lease No. ......) at approx. 121° 38' 15" W Long.

Survey description of location: A point on the west bank of Jean Marie Creek and the south bank of the Mackenzie River North Latitude 61° 32', West Longitude 121° 38' 15"

Approximate surface elevation of 450 feet above sea level.

Name of well: British American-Hudson's Bay Jean Marie #1

Type of drilling rig: Cardwell Mobil Heist

Expected date of commencement: August 20, 1953

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

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

Expected depth of water, gas and oil horizons and method of control:
Upper and Middle Devonian or Silurian. Controlled by blowout preventer and proper weighted drilling mud.

noted

(over)

An electric log (will) ([redacted]) be run.

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

Responsible agents of permittee or lessee in charge of operation:

At well: Hector Ludwick .... At registered office: G. W. Wall ....

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

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

Dated at Calgary, Alberta...this ...31st...day of ...July...19 53.

Signed by G W Wall ....

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

....

....

....

....

4 Aug. 1953 ......
Date

A.B. Irwin ......
Conservation Engineer

GEOLOGICAL REPORT

B.A. - H.B.
JEAN MARIE CREEK NO. I

B.A. - H.B. Jean Marie Creek No. 1

GEOLOGICAL REPORT

Name: British American-Hudson's Bay Jean Marie Creek #1

Location: Northwest Territories, District of MacKenzie.
Approx. Longitude 120° 38' W
Approx. Latitude 61° 32' N
Located on the S.W. bank of the MacKenzie River about 196' in from shore at low water and about 3000' N.W. of the mouth of Jean Marie Creek.

Elevation: As determined by a Brunton Pocket Transit, the K.B. elevation was measured as 24' ± 1' above the River Level at low water. The river elevation is considered as 400' interpolated between elevations at Fort Simpson (375') and Mills Lake (475'). The K.B. elevation is therefore considered as 425' ± ?

Status: Dry and Abandoned.

Total Depth: Driller: 2111'
Halliburton: 2107'

Engineer: N. Ludwick

Geologist: Russ Waines.

Date Spudded:	September 16, 1953.
Date Abandoned:	September 30, 1953.
Hole Diameters:	9" to 95'; 6 1/8" to 2111'
Casing:	81' of 7" casing set at 91' w/ 40 sacs cement.
Logs:	Electric - Halliburton - September 29, 1953.
Directional Surveys:	None
Drill Stem Tests:	None
Cores:	None
Samples:	Government: 100' - 2100' 10' samples B.A.-H.B. : 100' - 2100' 10' samples B.A. : 20' - 1750' 10' samples 1750' - 2107' 5' samples.

Missing (Not including surface samples)
570' - 580'
2080' - 2090' - Govt. and B.A.-H.B.
2100' - 2110' - " and " "

Samples not legged. Lag time is 1 min/300'

STRATIGRAPHIC SUMMARY

0-20	Surface loams underlain by fluviatile sandy clays underlain by 10' of large boulders, sands and gravels.
20-1610	Gray - Green calcareous shales occasionally associated with siltstones and with traces to minor amounts of black carbonaceous shale from 1430.
1610-1735	Black bitumenous often pyritic calcareous shales.
1735-1900	Limestone, dolomitic, argillaceous, slightly silty, occasionally bitumenous, occasionally pyritic, occasionally siliceous, generally brown gray in colour and very finely crystalline, generally tight. The limestone varies in minor properties rather considerably over short distances and should present a roughly banded appearance in outcrop.
1900-2000	Dolomite, argillaceous, slightly pyritic, occasionally bitumenous, slightly siliceous, occasionally slightly pyritic, very fine suggary-crystalline texture, medium brown-gray colour generally ocoasionally porous with pin-point porosity but usually tight.
2000-2050	Dolomite, argillaceous or siliceous, very slightly pyritic, microcrystalline, medium brown-gray, tight dense.
2050-2095	Shale, dolomitic, slightly pyritic, pale green, coarse grained.
2095-2111	Dolomite ending with anhydrite?, argillaceous?, tight and dense.

Tops (E-Log)

"Horn River"	1602	(black petroliterous sh.)
Ramparts	1734	(limestone)
Lone Mountain	1903	(dolimite)
Anhydrite?	2105?	(dolomite and anhydrite)

0 - 10	Surface forest loams underlain by pelecypod - bearing fluviatile sandy - clays with occasional boulders.
10 - 20	Large boulders, sands and gravels, - drilled with much difficulty.
20	Erosion top of Simpson Formation
20-1410	Shale, slightly mica-micaceous, very slightly carbonaceous, occasionally silty, medium gray-green, pale green when wet, very fine grained, flakey to chunky, may exfoliate slightly in acid, at times associated with interbedded siltstones.

20 - 40	Minor amounts gravel cavings of igneous and sedimentary origin.
20-1410	Traces to minor amounts in contact with shale above and below, occasionally lense-like, medium gray-green to medium gray, medium grain, occasionally associated with "worm" burrow castings or coprolite forms, siltstone occasionally micaceous and occasionally pyritic, occasionally associated with local dark brown limestone or dolomitic lenses.
20-40	Trace "worm""castings"
40-70	Trace gravel cavings
50-60	Predominantly siltstone (over 50%) occasionally aminated, mica-micaceous, often flakey, Much as described from 20'.
50-60	Trace pyrite in laminated siltstone fragments.
50-90	Trace "worm castings"
60-70	Siltstones and shales about 50-50
70-80	Siltstones about 40%
70-80	Trace siltstone - quite argillaceous.
80-90	Siltstone about 30%
90-140	Trace cement particles.
90-2111	Occasionally trace gravel cavings - mainly of igneous origin.
100-110	Shale, occasionally quite silty.
100-110	Trace "worm castings".
100-1410	Shale generally flakey.
100-110	Siltstone about 20%
130-140	Siltstone about 30% and often very calcareous and rather coarse grained.
130-140	Shale, occasionally quite silty.
130-170	Trace "worm castings".
140-150	Siltstone about 20% and often very argillaceous.
140-150	Shale often quite silty.
150-160	Shale occasionally quite silty.
150-160	Siltstone 20% ranging from very calcareous and dense to very argillaceous.
150-160	Brachipod? fragments in shale.
160-170	Ostracod in shale, associated with pyrite.
160-170	Brachipod in siltstone fragments.

170-180	Trace siltstone.
170-180	Undertermined ovoid "pellets" in siltstone fragment.
180-190	Siltstone about 15% ranging from very calcareous to very argillaceous.
180-190	Trace worm "castings".
180-190	Shale occasionally silty.
190-200	Minor amounts siltstone, often quite argillaceous and micaceous.
200-230	Trace siltstone.
200-220	Shale occasionally silty.
230-250	Minor amounts siltstone, often argillaceous.
230-240	Trace "worm castings"
250-260	Siltstone about 15%, often argillaceous and in thin laminations bounded by shale.
250-260	One fragment of siltstone with a very clastic appearance.
260-290	Minor amounts siltstone, often argillaceous.
260-300	Shale occasionally very silty.
290-300	Siltstone about 20%, often argillaceous, and in thin laminations.
300-310	Minor amounts siltstone often argillaceous, often in lamellae.
300-310	Ostracod in shale.
310-370	Trace siltstone.
310-320	Trace worm castings.
340-360	Shale occasionally silty.
340-540	Shale becoming darker gray in colour - green colour less obvious but still present in wet sample.
340-360	Trace medium gray-brown to yellow-brown shale grading into the common colour.
360-370	Silty shale not uncommon.
370-400	Minor amounts siltstone, often argillaceous and very calcareous, often dark brown in colour.
370-400	Minor amounts silty shale.
400-460	Trace siltstone.
410-450	Shale occasionally silty.
420-430	Trace minute "fecal" pellets in shale fragments.
430-440	Shell fragment in shale - either a pelecypod or a Lingula-type brachiopod.
450-1410	Shale with occasional yellow-brown tint - sometimes in blotches.
460-470	Minor amounts siltstone, often very calcareous.
470-480	Trace siltstone.
480-490	Minor amounts siltstone.

490-590	Trace siltstone.
490-510	Shale occasionally silty.
540-630	Shale dark gray; greenish when observed wet under white light.
550 -	The yellow-brown colour mentioned from 450' seems to be the result of local oxidation in the green shale.
550-580	Shale, occasionally silty.
570-580	Missing.
580-590	Shale often quite silty grading to siltstone.
590-600	Minor amounts siltstone, often very argillaceous.
590-600	Shale occasionally silty.
600-610	Shale often quite silty grading to siltstone.
600-620	Trace siltstone.
610-620	Shale very occasionally silty.
610-620	Trace pyrite in shale.
620-630	Minor amounts argillaceous siltstone and silty shales.
630-700	Trace siltstone.
630-640	Shale somewhat lighter colour again.
640-680	Shale occasionally silty.
640-1410	Shale dark again, as described from 540'-630'.
680-690	Minor amounts silty shale, grading to argillaceous siltstone.
700-800	Shale very uniform with very little silt or siltstone.
800-840	Trace silty shale grading to argillaceous siltstone.
840-860	Minor amounts calcareous siltstone and silty shale.
860-870	Trace worm "castings".
860-	Trace siltstone.
900-910	Shale occasionally silty.
910-920	Very slight increase in siltstone and silty shale.
930-940	Shale occasionally slightly silty.
940-960	Silty shale not uncommon.
960-970	Trace silty shale.
970-980	Shale frequently silty.
980-990	Trace pyrite in shale.
980-990	Shale fragments with waxey striated cleavage.
980-990	Unidentified fossil fragments in shale.
990-1020	Trace silty shale.
1020-1030	Minor amounts silty shale grading to argillaceous siltstone.
1030-1040	Minor amounts silty shale (20%)
1040-1050	Silty shale grading to argillaceous siltstone (60%)

1040-1050	Trace pyrite in silty shale.
1050-1060	Trace calcareous siltstone grading to dark brown silty limestone.
1050-1060	Minor amounts silty shale grading to argillaceous siltstone (20%)
1060-1080	Trace silty shale.
1080-1100	Splintery shale cavings which persist through the rest of the samples to a bothersome degree - 10-20%.
1080-1090	Minor amounts silty shale grading to argillaceous siltstone.
1090-1100	Trace pyrite in shale.
1090-1100	Trace silty shale.
1100-1110	Suspected shale cavings 30%.
1100-1110	Minor amounts silty shale grading to argillaceous siltstone.
1110-1120	Suspected shale cavings 50% or more.
1110-1120	Calcite crystals associated with shale.
1110-1130	Trace argillaceous siltstone and silty shale.
1110-1140	Trace pyrite in shale.
1120-1140	Shale cavings 20%
1130-1150	Minor amounts silty shale grading to argillaceous siltstone.
1140-1150	Shale cavings 40%
1140-1150	Trace brachiopod fragments associated with shale.
1150-1160	Shale cavings 60%.
1150-1160	Minor amounts argillaceous siltstone grading to silty shale-(40% remaining sample), siltstone occasionally very calcareous grading to dark brown silty crystalline limestone.
1150-1160	Trace "fecal" pellets in siltstone.
1160-1170	Shale cavings 40%.
1160-1170	Well preserved "tentaculites" specimen in argillaceous siltstone.
1160-1170	Minor amounts argillaceous siltstone to silty shale (20% remaining sample)
1170-1210	Shale cavings 15%
1170-1180	Minor amounts argillaceous siltstone to silty shale (30% remaining sample) occasionally siltstone very calcareous grading to dark brown silty crystalline limestone.
1180-1190	Minor amounts silty shale grading to argillaceous siltstone.
1190-1200	Minor amounts silty shales grading to argillaceous and calcareous siltstones.
1200-1220	Trace siltstone, very calcareous to very argillaceous, grading to silty shale.
1200-1210	Trace sub-bitumen in siltstone fragments.
1210-1240	Shale cavings about 30%?
1220-1230	Minor amounts silty shale grading argillaceous siltstone.
1230-1240	Trace silty shale and argillaceous siltstone.

1240-1250	Shale cavings apparently 60%?
1240-1250	Minor amounts argillaceous siltstone grading to silty shale (30% remaining sample)
1250-1290	Shale cavings 40%?
1250-1260	Minor amounts silty shale grading to argillaceous siltstone.
1260-1270	Trace silty shale grading to argillaceous siltstone.
1270-1280	Minor amounts silty shale grading to argillaceous siltstone and occasionally to very calcareous siltstone or silty limestone.
1280-1290	Minor amounts argillaceous to very calcareous siltstone grading to silty shale.
1280-1290	Trace pyrite in argillaceous siltstone.
1280-1290	Shale fragments with thin calcite parting parallel to bedding plane.
1290-1300	Shale cavings 60%?
1290-1300	Minor amounts silty shale grading to argillaceous and very calcareous siltstone.
1290-1300	Trace pyrite in shale.
1300-1360	Shale cavings 80%?
1300-1320	Trace silty shale and argillaceous to very calcareous siltstone.
1320-1360	Minor amounts silty shale grading to argillaceous siltstone.
1350-1360	Trace pyrite in shale.
1360-1380	Shale cavings about 60%?
1360-1370	Trace worm "castings"
1360-1370	Crinoidal columnar fragments in siltstone.
1360-1370	Minor amounts siltstone, argillaceous to calcareous (30% remaining sample)
1360-1390	Trace silty shale.
1370-1380	Siltstone, very calcareous and dolomitic to very argillaceous, (60% remaining sample)
1370-1390	Minor amounts silty dark brown limestone to dolomite, crystalline to micro-crystalline.
1380-1410	Shale cavings about 70%?
1380-1390	Siltstone as from 1370-1380 (40% remaining sample)
1380-1390	Trace pyrite in silty dolomite.
1390-1410	Minor amounts argillaceous siltstone and silty shale.
1400-1410	Trace silty, dark brown, crystalline to micro-crystalline limestone and dolomite.
1410-1430	Shale cavings about 20%?
1410-1430	Siltstone, very argillaceous to very calcareous, micaceous, occasionally pyritic grading occasionally to silty shale, medium gray, medium grained, occasionally with carbonaceous or sub-bitumenous "flecks" or carbonaceous shale associations.

1410-1420 Trace pyrite in siltstone.

1420-1430 Pyrite spherules abundant in calcareous siltstone fragments.

1420-1430 Minor amounts of pyritic siltstone

1420-1430 Siltstone 50%

1420-1430 Minor amounts shale, slightly calcareous, occasionally silty, mica-micaceous, minutely pyritic, carbonaceous to sub-bitumenous, very dark gray green to black, occasionally with obscure "flecked" appearance - grading from common dark gray-green shale to very black shale; 10%

1430-1610 Minor amounts shale, slightly calcareous, slightly mica-micaceous, warbonaceous or sub-bitumenous, black, very fine grained, chunky; occasionally pyritic.

1430-1470 Shale cavings 60%?

1430-1440 Minor amounts argillaceous to very calcareous siltstone, 20%

1430-1460 Trace free pyrite.

1440-1470 Black shale 30%

1440-1450 Trace siltstones.

1450-1470 Minor amounts calcareous siltstone.

1470-1490 Black shale 10%

1470-1490 Shale cavings 80%?

1480-1490 Trace dark shale to siltstone as described from 1420-1430

1490-1560 Black shale 30%

1490-1560 Shale cavings 60%?

1490-1600 Trace siltstones.

1500-1520 Trace free pyrite.

1530-1600 Black shale with occasionally brownish tint.

1540-1550 Trace free pyrite.

1560-1580 Black shale 20%

1560-1580 Shale cavings 70%?

1560-1570 Trace free pyrite.

1580-1600 Black shale 30%

1580-1600 Shale cavings 60%

1580-1600 Trace free pyrite.

1600-1620 Black shale 40% and moderately pyritic.

1600-1620 Shale cavings 60%

1610-1620 Trace free pyrite.

1610-1735 Shale, slightly to moderatly calcareous, occasionally pyritic, slightly mica-micaceous, carbonaceous to sub-bitumenous to bitumenous with a faint "fresh paint" odour, black with occasionally brownish tint, very fine grained, chunky to flakey. The bitumen neither fluoresces nor is it cut by C Cl_4.

1620-1630 Black shale 30%

1620-1630 Shale cavings 70%

1630-1640 Black shale 40%

1630-1640	Shale cavings 60%
1640-1735	Black shale samples usually over 50%
1650-1735	Shale cavings usually under 50%
1650-1735	Black shale frequently pyritic but minutely so.
1670-1735	Black shale occasionally becoming more calcareous more silty and browner in colour.
1700-1710	Fragments of bitumen affixed to black shale.
1710-1735	Black shale occasionally very calcareous; also occasionally very silty.
1710-1735	Minor amounts siltstone, very calcareous, argillaceous, very slightly bitumenous to sub-bitumenous, very slightly pyritic, dark to medium brown, fine suggary, sub-crystalline appearance.
1720-1735	Pyri Trace free bitumen.
1720-1735	Pyrite not uncommon in black shale.
1735 -	Top of Limestone based on drilling break.
N.B.	The shale "cavings" mentioned from 1080 to 1610 may not actually be all cavings although from 1080 a voluminous amount of outsized shale splinters which could not be cuttings continued to come over the shaker. The general description of the undistinguished cuttings and cavings is as follows: Shale, calcareous, mica-micaceous, very slightly carbonaceous, very occasionally pyritic, very occasionally slightly silty, pale green gray to medium or slightly dark gray, very fine grained, usually very flakey and splintery. The black shales described from 1430-1610 may actually form only a minor amount of that section.

1735-1740 Limestone, dolomitic with dolomite rhombs common, slightly pyritic, argillaceous, dark to very dark brown, very fine crystalline, tight, occasionally fossiliferous.

1735-1740	Unidentified fossil in limestone fragment.
1735-2111	Shale cavings , gray-green to black, - about 50% of samples to total depth.
1735-1740	Occasionally ostracods in limestone.

1740-1750 Limestone, slightly dolomitic with occasionally dolomite rhombs, slightly pyritic, slightly argillaceous, slightly silty, slightly siliceous with occasionally minute quartz prisms, occasionally fossiliferous, dary gray-brown, micro crystalline.

1740-1750	Brachiopod in limestone.
1740-1750	Occasionally ostracods in limestone.
1740-1750	Occasionally bitumen - bearing limestone fragments.

1750-1755 Limestone, slightly dolomitic with occasional dolomite rhombs, argillaceous, silty, slightly pyritic, very slightly siliceous with occasionally minute quartz prisms, very occasional fossiliferous, medium to dark gray-brown, very fine crystalline, tight, occasionally with local calcite crystal developments, and occasionally cut by thin calcite stringers; occasionally with bioclastic appearance.

1750-1765	Very occasionally bitumen-bearing limestone fragments.

1755-1760 Limestone, slightly dolomitic with occasional dolomite rhombs, slightly argillaceous, silty, slightly pyritic, very slightly siliceous with occasional minute quartz prisms, very occasionally fossiliferous, light to medium gray-brown, very fine to micro-crystalline, tight, occasionally with bioclastic appearance.

1755-1760 Crinoidal columnar fragments and piece of coralline material in limestone fragments.

1760-1765 Limestone, as described from 1755-1760, but much more dolomitic, more argillaceous, more crystalline in appearance and slightly darker in colour.

1760-1765 Brachiopod in very dolomitic limestone fragments.

1765-1770 Limestone, slightly dolomitic with occasionally dolomitic rhombs, very argillaceous, slightly silty, very slightly pyritic, medium to dark brown-bray, micro-crystalline, tight, occasionally with slight bitumen content, occasionally cut by calcite stringers and occasionally with local calcite crystalline developments.

1770-1775 Limestone, dolomitic with occasional dolomitic rhombs, very slightly argillaceous, slightly silty, slightly pyritic, very slightly siliceous, with occasional minute quartz prisms, occasionally fossiliferous, medium to dark brown-gray, very crystalline texture, tight, rather soft as samples accompanied by much chalky mud.

1770-1775 Ostracod in dolomitic limestone fragments.

1775-1780 Limestone, dolomitic with occasionally dolomite rhombs, very argillaceous, slightly silty, very slightly pyritic, medium brown-gray, micro-crystalline to very fine crystalline, tight, bitumen frequently occuring locally, occasionally with bioclastic appearance.

1780-1785 Limestone, slightly dolomitic with occasional dolomite rhombs, argillaceous, slightly silty, very slightly siliceous with occasional minute quartz prisms, very slightly pyritic, medium to dark gray-brown, micro-crystalline to very fine crystalline, occasionally bioclastic in appearance, tight.

1780-1785 Occasionally bitumen-bearing limestone fragments.

1785-1795 Limestone, very slightly dolomitic with very occasional dolomite rhombs, slightly argillaceous, slightly silty, very siliceous with numerous minute quartz prisms, slightly pyritic, medium gray-brown, micro crystalline to crypto-crystalline, tight and dense.

1790-1795 Occasionally bitumen-bearing limestone fragments.

1795-1800 Limestone, slightly dolomitic with occasionally dolomitic rhombs, argillaceous, silty, very slightly pyritic, slightly bitumenous, very dark gray-brown, very fine crystalline, appears re-crystalized in places, with bitumen lining old pore spaces, tight.

1800-1805 Limestone, dolomitic with occasional dolomite rhombs, very slightly argillaceous, slightly silty, very slightly pyritic, slightly siliceous, medium gray-brown, very fine crystalline to crypto crystalline, tight, very occasional bitumen-bearing.

1805-1810 Limestone, dolomite with occasionally dolomite rhombs, argillaceous, very slightly silty, slightly siliceous, very slightly pyritic, very fine crystalline to more suggary where very dolomitic, tight.

1810-1815 Limestone, dolomitic with occasional dolomite whombs, argillaceous, slightly silty, very slightly pyritic, slightly silty, with occasional minute quartz prisms, very dark brown-grey, very fine crystalline, tight.

1815-1820 Limestone, dolomitic with occasional dolomite rhombs, very slight argillaceous, very slightly silty, very slightly pyritic, moderately siliceous with occasional minute quartz prisms, medium brown-gray, micro crystalline, tight.

1820-1825 Limestone, very dolomitic with numerous dolomite rhombs, argillaceous, slightly silty, very slightly pyritic, siliceous with occasional minute quartz prisms, slightly bitumen or carbanaceous - finely disseminated throughout, very dark mottled gray-brown, very fine crystalline, tight.

1825-1830 Limestone, very dolomitic with numbrous dolomite rhombs, very slightly argillaceous, very slightly silty, very slightly pyrites, moderately to extremely siliceous - almost tripolitic in more granular fragments, medium brown-gray, crypto-crystalline to more commonly medium granular where silica or dolomite is abundant, tight, very occasionally "bitumen" - bearing.

1830-1835 Limestone, slightly dolomitic with occasional dolomite rhombs, very slightly argillaceous, very slightly pyritic, moderately siliceous with occasional minute quartz prisms, light to medium brown-gray, micro crystalline, tight, very occasionally bitumen bearing.

1835-1840 Limestone, dolomitic with occasional dolomite rhombs, very argillaceous, slightly silty, very slightly pyritic, slightly siliceous, very occasionally "bitumen" -bearing, very dark gray-brown to almost black, micro-crystalline to medium granular in more dolomitic fragments, tight.

1835-1840 Ostracod in dark limestone.

1840-1845 Limestone, slightly dolomitic with occasional dolomite rhombs, very slightly argillaceous, very slightly pyritic, moderately siliceous with numorous short minute quartz prisms, very slightly bitumen or carbonaceous wide spread, medium to dark gray brown, crypto-crystalline to micro crystalline, tight.

1845-1850 Limestone, very slightly dolomitic to 60% dolomite, with dolomite rhombs occasionally to abundant. - limestone is actually of 2 distinct types grading into one another:

1. Extremely dolomitic, slightly argillaceous, very slightly pyritic, moderately siliceous, occasionally slightly "carbonaceous", medium to dark brown-gray, medium granular but tight.

2. Very slightly dolomitic, very slightly argillaceous, very slightly pyritic, slightly siliceous with occasionally minute quartz prisms, crypto-crystalline to micro-crystalline, tight, light to dark brown-gray, often bitumen-bearing locally.

1850-1855 Limestone, slightly dolomitic with occasional dolomite rhombs, slightly argillaceous, very slightly silty, very slightly pyritic, slightly siliceous with occasional minute quartz prisms, occasionally "bitumenous", light to medium brown-gray, fine crystalline, tight, "bitumen" abundant locally.

1855-1860 Limestone, very slightly dolomitic with occasional dolomite rhombs, very slightly argillaceous, very slightly pyritic, moderately siliceous with occasional minute quartz prisms, occasionally with bitumenous develpments locally, dark gray-brown, micro-crystalline to crypto-crystalline, tight.

1860-1865 Limestone, dolomitic with frequent dolomite rhombs, slightly argillaceous, very slightly silty, very slightly pyritic, slightly siliceous with occasional minute quartz prisms, medium brown-gray, very fine crystalline to suggary texture, tight, bitumen-bearing fragments very infrequent.

1865-1870 Limestone, very slightly dolomitic with occasional dolomite rhombs, very slightly argillaceous, very slightly pyritic, slightly siliceous with occasional minute quartz prisms, medium to light brown-gray, micro-crystalline to very fine crystalline, tight, occasionally bitumen-bearing.

1870-1875 Limestone as described from 1865-1870, only more crystalline, darker in colour and with bitumen occuring more frequently.

1875-1880 Limestone, slightly dolomitic with occasional dolomite rhombs, slightly argillaceous, slightly silty, very sightly pyritic, slightly silty with occasional minute quartz prisms, medium to dark brown-gray, very fine crystalline to micro-crystalline, tight, occasionally "bitumen"-bearing.

1875-1880 Ostracod? in dark limestone fragment.

1880-1885 Limestone, slightly dolomitic with occasional dolomite rhombs, very slightly argillaceous, very slightly pyritic, moderately siliceous with occasional minute quartz prism, dark brown-gray, micro crystalline to crypto-crystalline, tight, occasionally "bitumen"-bearing.

1885-1890 Limestone, slightly dolomitic with occasional dolomite rhombs, very slightly argillaceous, very slightly pyritic, slightly siliceous with occasional minute quartz prisms, slightly bitumenous throughout, very dark gray-brown - mottled to almost black, very fine crystalline to occasional very fine granular, tight.

1885-1890 Brachiopod-like and ostracod - like forms in dark limestone fragments.

1890-1895 Limestone, dolomitic with numerous dolomite rhombs, slightly argillaceous, very slightly pyritic, slightly siliceous with occasional minute quartz prisms, very occasionally bitumenous, very dark brown-gray to almost black, very fine crystalline, tight.

1890-1895 Occasional ostracods in dark brown limestone.

1895-1900 Limestone as described from 1890-1895, but more crystalline, commonly though slightly bitumenous and moderately fossiliferous.

1895-1900 Occasionally ostracods in dark brown limestone.

1900-1905 Dolomite, calcareous, slightly argillaceous, very slightly pyritic, moderately siliceous with occasional very minute quarts prism; occasionally with bitumen locally, light brown-gray or buff, micro-crystalline with a faint bioclastic appearance, tight.

1905-1910 Dolomite, calcareous, very slightly argillaceous, very finely pyritic, very siliceous, often bitumeous locally; medium brown-gray to darker mottled brown-gray, micro-crystalline to occasionally very fine crystalline, tight, occasionally bioclastic appearance.

1910-1915 Dolomite, very argillaceous, slightly silty, slightly siliceous with very occasional minute quartz prisms, very slightly pyritic, very dark gray-brown almost black, very fine crystalline-suggary texture, tight.

1915-1920 Dolomite, very slightly argilaceous, slightly siliceous, very slightly pyritic, very occasionally bitumenous locally, medium mottled brown-gray to dark brown-gray, very fine crystalline, tight.

1920-1925 Dolomite as described from 1915-1920 but more pyritic, more crystalline and slightly darker in colour, also more bitumenous; tight.

1925-1930 Dolomite, much as described from 1915-1920 but slightly more argillaceous, slightly less crystalline and occasionall bioclastic in appearance, tight.

1925-1930 Ostracods in limestone fragment.

1930-1935 Missing.

1935-1940 Dolomite, argillaceous, siliceous, very finely pyritic, very dark brown-gray to almost black, very fine to medium crystalline-suggary texture, trace pin-point inter-crystalline porosity, otherwise tight.

1940-1945 Dolomite as described from 1935-1940 but more argillaceous, less pyritic, much darker in colour and more coarsely crystalline but with fewer traces of porosity also with local dolomite crystal developments.

1945-1950	Dolomite, slightly argillaceous, slightly silty, very slightly pyritic, slightly siliceous with occasional minute quartz prisms, medium brown-gray to very dark brown gray - almost black, very fine crystalline to very fine suggary crystalline texture; trace pin-point inter-crystalline porosity - otherwise tight, occasional "bitumen" bearing.
1950-1955	Dolomite, slightly argillaceous, very slightly silty, very finely pyritic, slightly siliceous with very occasional minute quartz prisms, light to medium brown-gray, fine to very fine crystalline, tight.
1955-1960	Dolomite, very argillaceous, very finely pyritic, very slightly siliceous, dark brown-gray to almost black, fine crystalline-suggary texture, with occasional local dolomite crystal developments and occasional thin veins, tight.
1960-1965	Dolomite, argillaceous, very slightly pyritic, very slightly siliceous, slightly "bitumenous", medium to dark brown-gray, mottled, very fine crystalline to micro-crystalline, tight, the bitumen occasionally seems to line old vugs now filled with dolomite, dolomite seems re-crystalized, tight.
1965-1970	Dolomite, very slightly argillaceous, very slightly silty, very slightly pyritic, slightly siliceous with frequent minute quartz prisms, occasionally "bitumen" bearing, medium brown-gray, mottled, micro-crystalline with large crystals imbedded like phenocrystals, occasionally cut by dolomite stringers and occasionally with local dolomite crystal developments, minor amounts pin-point vugular porosity - otherwise tight.
1970-1975	Dolomite, argillaceous, very finely pyritic, very slightly siliceous, slightly bitumenous, dark to very dark brown-gray almost black at times, fine crystal-suggary texture, tight.
1975-1980	Dolomite, as described from 1970-1975 but less argillaceous, less bitumenous and lighter in colour, occasionally more coarsely crystalline in appearance, apparently re-crystalized, tight.
1980-1985	Dolomite, very slightly argillaceous, very slightly pyritic, moderately siliceous with frequent minute quartz prisms, medium brown-gray, micro-crystalline with a somewhat bioclastic appearance, tight. Often with large phenocryst-like crystals in the finer grained ground-mass.
	1980-1985 Ostracod impression in limestone fragments.
1985-1990	Dolomite, argillaceous, very slightly pyritic, very slightly bitumenous, very slightly siliceous with occasionally minute quartz prisms, medium to very dark brown-gray, micro-crystalline in the lighter dolomite to fine crystalline in the darker, tight.
1990-1995	Dolomite, as described from 1985-1990 but lighter in colour and less crystalline, grading to dolomite, very slightly argillaceous, slightly pyritic, siliceous with frequent minute quartz prisms, medium gray, micro crystalline, tight, occasionally bitumen bearing.
1995-2000	Dolomite, slightly argillaceous, very slightly pyritic, slightly siliceous with occasional minute quartz prisms, medium brown-gray, with numerous large phenocryst-like crystals inbedded in a micro-crystalline ground mass, tight.
2000-2005	Dolomite, very argillaceous, slightly silty?, slightly siliceous, very slightly pyritic, very occasionally very slightly bitumenous, medium gray-brown, micro-crystalline, tight, very dense.
2005-2010	Dolomite, slightly argillaceous, very siliceous with numerous minute quartz prisms, very slightly pyritic, medium to dark brown-gray, very fine crystalline-suggary texture, tight, dense, flakey.
2010-2015	Dolomite, slightly argillaceous, very siliceous with numerous minute quartz prisms, medium to light gray, micro crystalline, tight, dense, flakey.
2015-2020	Dolomite, very slightly argillaceous, very siliceous with numerous minute quartz prisms, very slightly pyritic medium gray-brown

mottled, micro-crystalline to very fine suggary-crystalline texture, tight, dense, flakey.

2020-2025 Dolomite as described from 2010-2015 but more brown in colour, micro-crystalline and not so flakey.

2025-2030 Dolomite, slightly argillaceous, very slightly pyritic, very siliceous and finely so, medium brown-gray, micro-crystalline, tight, dense.

2030-2035 Dolomite, as described from 2025-2030 but slightly grayer in colour and even more siliceous - at times almost "tripolitic".

2035-2040 Dolomite, 50% as from 2030-2035 and 2025-2030, the remaining 50% as follows: dolomite, very pyritic, with pyrite finely disseminated, very siliceous, with silica very fine, very dark gray, micro-crystalline, tight, dense.

2040-2045 Dolomite as described from 2025' to 2035' - slightly mottled, very siliceous.

2045-2050 "Tripoli"? - dolomitic with occasionaly micro-crystalline dolomite blebs, but on the whole a compact system of minute "silica"? granules impregnated with dolomite, very slightly pyritic, medium gray, ~~xxxx~~ micro-crystalline, tight, dense.

2050-2095 Shale, dolomitic, slightly silty, slightly pyritic, pale green to light gray - rather coarse grained, soft, - most cuttings returning as mud.

2050-2060 Cavings - 95% - mostly shale.

2055-2065 Trace very pyritic shale.

2060-2080 Cavings - 90% - mostly shale.

2080-2085 Shale light gray and more dolomitic.

2080-2100 Cavings 70% - mostly shale.

2085-2090 Shale light brown gray and quite dolomitic.

2090-2095 A great deal of shale-mud in sample - 50%

2095-2100 "Tripoli"? as described from 2045-2050, but less the dolomite blebs and with more dolomite impregnating; brown-gray and occasionally argillaceous. Trace anhydrite crystals??? Grading to siliceous? dolomite, tight.

2100-2107 Dolomite, very "siliceous"?, very slightly pyritic, occasionally with dark argillaceous stringers, light to medium brown - gray, micro-crystalline, trace anhydrite crystals? Tight.

2100-2107 Shale cavings 40%

2107-2111 No sample - sample was largely unrecoverable as mud viscosity rose rapidly and samples recovered were nothing but small white muddy flecks which disintigrated on washing. Since the viscosity could only be checked temporarily with anhydrox it is assumed the rock drilled over this interval was mostly anhydrite.

2111 - Total Depth

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field: Jean Marie Creek Wildcat Lease: B-A-E.H.B Jean Marie Creek Well No. 1 Date: Sept 30, 51

District: North Western Canada Prov. N.W.T. Contractor: Petcal LTD

Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☑ Diesel ☐ L.P.G. ☐ Other Drill Pipe Size: 3½

Last Casing: Elevation: Depths Below Are From: Steel Line Measurement:

Size: 7" ________ G.L. Former Depth:

Set at: 91 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
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										

DRILLER'S REMARKS

W.O.C. Plug
E Casing [illegible]

Felt for plug
with tape

Rig Released.

DRILLER'S DATA

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:			
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:			
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:			

FORMATION OR CORE RECORD

Depth From	Depth To	Recovery	Formation
			1 sx cement
			Rig released 12:00 Noon
			Sept 30, 53 by
			N. Judue [illegible]

COMPANY REPRESENTATIVE'S SUMMARY

After W.O.C. plug #2 for
13½ hrs. felt top of
plug at 40' with tape line.
Unnippled B.O.P's. Filled
top of 7" Csg with 1 sack
of cement. Welded
Steel plate on top. Capped
7" Csg. with 4 sacks of
Cement. Anchored 2"x4"
pipe with name of
well, hole marker

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

Form 277A C.P.

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field: Jean Marie Wildcat Lease: B.A. & H.B. Jean Marie Creek Well No. 1 Date: Sept 29, 5?

District: Western Canada Prov.: N.W.T. Contractor: Peacock LTD

Type rig: ☑ Rotary ☐ Cable Fuel Used: ☐ Gas ☑ Diesel ☐ L.P.G. ☐ Other Drill Pipe Size: 3½

Last Casing: Size: 7" Set at: 91' K.B. Elevation: G.L. / K.B. Depths Below Are From: ☐ K.B. ☐ G.L.

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
12 m to 1 am	1										
1 am to 2 am		3/4								1/4	Circ
2 am to 3 am		1									
3 am to 4 am		1									
4 am to 5 am		1/4								3/4	Circ. Condition mud
5 am to 6 am										1	
6 am to 7 am	3/4									1/4	
7 am to 8 am	1/2									1/2	Rig up to run E-log
8 am to 9 am					1						
9 am to 10 am					1/2					1/2	
10 am to 11 am	3/4									1/4	
11 am to 12 n	1/4	3/4									
12 n to 1 pm		1/4								3/4	Condition mud
1 pm to 2 pm	1/4									3/4	
2 pm to 3 pm	1										
3 pm to 4 pm	1										
4 pm to 5 pm										1	
5 pm to 6 pm										1	Spot Cement plug #1 5:30
6 pm to 7 pm										1	Spot Cement plug #2 7:15 – 7:30 PM
7 pm to 8 pm										1	
8 pm to 9 pm										1	
9 pm to 10 pm										1	
10 pm to 11 pm										1	
11 pm to 12 m										1	
Totals											

GRAND TOTAL: Hours Approved: Dist. Supt.

DRILLER'S DATA

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:			
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:			
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:			

FORMATION OR CORE RECORD

Depth From	Depth To	Recovery	Formation

Mixed 200" Anhydrox
Ran in w/ open ended drill pipe
Spotted Cement plug #1 2111'–2161'
with 12 sxs. Cement. Laid down drill pipe,
Spotted Cement plug #2 131'
to 81' with 20 sxs. Cement
circulated. W.O.C. Plug.
& fedring down

COMPANY REPRESENTATIVE'S SUMMARY

Drilled 6⅛" hole to 2107'. Traces Anhydrite. Circulated 1½ hrs. Strapped out. S.L.M. at 2107' = 2107'. Ran E.S. #1. 2107' to 91' by Lowco. Anhydrite pick on electrolog is conclusive. Tripped in with 6⅛" bit. Drilled to 2111'. Mud contaminated due to Anhydrite. Samples were poor due to considerable cavings.

Tentative field sample ~~____~~'
Top of Anhydrite 2105'.

Signed:

Form 277A C.P.

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field: Jean Marie Crk Wildcat Lease: B.A. & H.B. Jean Marie Creek Well No. 1 Date: Sept 28, 53

District: Western Canada Prov. N.W.T. Contractor: Petcal Ltd.

Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other Drill Pipe Size: 3½

Last Casing: Elevation: Depths Below Are From: ☐ K.B. ☐ G.L. Steel Line Measurement:

Size: 7" ______ G.L. Former Depth:

Set at 91' K.B. ______ K.B. Corrected Depth:

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS
12 m to 1 am		3/4								1/4	Circ.
1 am to 2 am	1										
2 am to 3 am	1										
3 am to 4 am	1/4	3/4									
4 am to 5 am		1									
5 am to 6 am		1									
6 am to 7 am		1									
7 am to 8 am		1									
8 am to 9 am		3/4								1/4	Rig Service
9 am to 10 am		1									
10 am to 11 am		1									
11 am to 12 n		1									
12 n to 1 pm		1									Drilling.
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									Drilling.
6 pm to 7 pm		1									
7 pm to 8 pm		1									
8 pm to 9 pm		3/4								1/4	Service Rig.
9 pm to 10 pm		1									
10 pm to 11 pm	1/4	3/4									
11 pm to 12 m	1										
Totals											

GRAND TOTAL: Hours Approved: Dist. Supt.

DRILLER'S DATA

Mud Wt. 11.2	Bit Run No.	11	12
Viscosity 48	Bit Size	6⅛	6⅛
Water Loss 6.8	Bit Type	OWS	W7R
pH 10	Ser. No.	77803	71538
Filtercake 2/32	Slope Test °@		
Number Reg. Men 4	Extra Men	Man Hrs. 32	
Hole Made 10	Depth at End Tour 2044		
Driller: E.M. Goetz			

Mud Wt. 11	Bit Run No. 12
Viscosity 46	Bit Size 6⅛
Water Loss 8.4	Bit Type W7R
pH 10.5	Ser. No. 71538
Filtercake 2/32	Slope Test °@
Number Reg. Men 4	Extra Men Man Hrs. 32
Hole Made 26	Depth at End Tour 2070'
Driller: W.J. Haughians	

Mud Wt. 11.2	Bit Run No. 12
Viscosity 45	Bit Size 6⅛
Water Loss 8.2	Bit Type W7R
pH 10.5	Ser. No. 71538
Filtercake 2/32	Slope Test °@
Number Reg. Men 4	Extra Men Man Hrs.
Hole Made 19	Depth at End Tour 2089
Driller: W.J. Haughians E.M. Goetz.	

FORMATION OR CORE RECORD

Depth From	Depth To	Recovery	Formation

COMPANY REPRESENTATIVE'S SUMMARY

Drilled 6⅛" hole to 2089' Dolomite very Silty

Signed: W. Ludwickoff

Form 277A C.P.

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field: Jean Marie Creek West Lease: B.A. & H.O. Jean Marie Creek Well No.: 1 Date: Sept. 7, 53

District: North Western Canada Prov.: N.W.T. Contractor: Pefcal Ltd

Type rig: ☒ Rotary ☐ Cable Fuel Used: ☐ Gas ☒ Diesel ☐ L.P.G. ☐ Other Drill Pipe Size: 3½

Last Casing: Elevation: Depths Below Are From: Steel Line Measurement:

Size: 7" ______ G.L. Former Depth:

Set at: 91' 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
12 m to 1 am		1									
1 am to 2 am		1									
2 am to 3 am		1									
3 am to 4 am		1									Drlg
4 am to 5 am		1									
5 am to 6 am		1									
6 am to 7 am		1									
7 am to 8 am		1									
8 am to 9 am		3/4								1/4	Rig Service
9 am to 10 am		1									
10 am to 11 am	3/4									1/4	Circulate
11 am to 12 n	1										Trip
12 n to 1 pm	1/2	1/2									
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								1/4	Service Rig
9 pm to 10 pm		1									
10 pm to 11 pm		1									
11 pm to 12 m		1									
Totals											

GRAND TOTAL: Hours Approved: Dist. Supt.

DRILLER'S DATA

	Tour 1	Tour 2	Tour 3
Mud Wt.	11	11	11
Bit Run No.	10	11	11
Viscosity	46	47	47
Bit Size	6⅛	6⅛	6⅛
Water Loss	8	8.2	8.2
Bit Type	OWS	OWS	OWS
pH	10	10	10
Ser. No.	77848	77803	77803
Filtercake	2/32	2/32	2/32
Slope Test	@	@	@
Number Reg. Men	4	4	4
Extra Men			
Man Hrs.	32	32	32
Hole Made	28	17	19
Depth at End Tour	1998'	2015	2034
Driller	A. M. Goetz	N. J. Haughian	[illegible]

FORMATION OR CORE RECORD

Depth From	Depth To	Recovery	Formation
			200# Pinky Dose

COMPANY REPRESENTATIVE'S SUMMARY

Drilled 6⅛" hole to 2034 Dolomite

Signed: [illegible]

Form 277A C.P.

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field: Jean Marie Creek Wildcat Lease: B.A. & H.B. Jean Marie Creek Well No.: 1 Date: Sept. 26, 53

District: Western Canada Prov.: N.W.T. Contractor: Petcal LTD.

Type rig: ☑ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other Drill Pipe Size: 3½"

Last Casing: Elevation: Depths Below Are From: ☐ K.B. ☐ G.L. Steel Line Measurement:

Size: 7" ____ G.L. Former Depth

Set at: 91 K.B. ____ K.B. Corrected Depth

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS
12 m to 1 am										1	Waiting on drilling line.
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										1	
7 am to 8 am										1	
8 am to 9 am										1	
9 am to 10 am									½	½	Drilling arrived 9:30 AM
10 am to 11 am									1		
11 am to 12 n									1		Stringing new line
12 n to 1 pm									1		
1 pm to 2 pm	1										
2 pm to 3 pm	¼	½								¼	Circ. to clean out hole
3 pm to 4 pm		1									
4 pm to 5 pm		1									
5 pm to 6 pm		1									Drilling
6 pm to 7 pm		1									
7 pm to 8 pm		1									
8 pm to 9 pm		¾								¼	Serviced Rig
9 pm to 10 pm		1									
10 pm to 11 pm		1									
11 pm to 12 m		1									
Totals											

DRILLER'S DATA

	Tour 1	Tour 2	Tour 3
Mud Wt.		10.8	10.8
Bit Run No.		10	
Viscosity		43	45
Bit Size		6⅛	
Water Loss		7.6	7.6
Bit Type		OWS	
pH		10	10
Ser. No.		77898	
Filtercake		2/32	2/32
Slope Test °@			
Number Reg. Men	4	4	4
Extra Men			
Man Hrs.	32	32	32
Hole Made	—	5	45
Depth at End Tour	1920	1925	1970
Driller	L. M. Goetz	W. J. Haughian	W. J. Haughian / L. M. Goetz

FORMATION OR CORE RECORD

Depth From	Depth To	Recovery	Formation

COMPANY REPRESENTATIVE'S SUMMARY

W.O. Drilling line & Stringing new line 12 hrs. Ran in with 6⅛ bit & drilled 6⅛ hole to 1970. Dolomite

GRAND TOTAL: Hours Approved: Dist. Supt. Signed: N. Lidan [signature]

Form 277A C.P.

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field: Jean Marie Creek Wildcat Lease: B.A. & H.B. Jean Marie Creek Well No.: 1 Date: Sept 25, 53

District: North Western Canada Prov.: N.W.T. Contractor: Petcal Ltd.

Type rig: ☒ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other Drill Pipe Size: 3 1/2"

Last Casing: Elevation: Depths Below Are From: Steel Line Measurement:

Size: 7" ______ G.L. Former Depth

Set at: 91' 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
12 m to 1 am		1									
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		1									
7 am to 8 am		1									
8 am to 9 am		3/4								1/4	Rig Service
9 am to 10 am		1									
10 am to 11 am		1									
11 am to 12 n		1									
12 n to 1 pm		3/4								1/4	Circ. & tighten Guy wires
1 pm to 2 pm	1										pulled out of hole
2 pm to 3 pm										1	
3 pm to 4 pm										1	Removed drilling line &
4 pm to 5 pm										1	waiting on new line
5 pm to 6 pm										1	
6 pm to 7 pm										1	
7 pm to 8 pm										1	
8 pm to 9 pm										1	Waiting on new drill
9 pm to 10 pm										1	line.
10 pm to 11 pm										1	
11 pm to 12 m										1	
Totals											

GRAND TOTAL: Hours Approved: Dist. Supt.

DRILLER'S DATA

	Tour 1	Tour 2	Tour 3
Mud Wt.	11.4	11	
Bit Run No.	9	9	
Viscosity	53	53	
Bit Size	6 1/8	6 1/8	
Water Loss	6.8	7.6	
Bit Type	OWS	OWS	
pH	10	10	
Ser. No.	77804	77804	
Filtercake	2/32	2/32	
Slope Test °@			
Number Reg. Men	4	4	4
Extra Men			
Man Hrs.	32	32	32
Hole Made	26	~~2~~ 17	—
Depth at End Tour	1903	1920	1920
Driller	L. M. Green	W. J. Hawkins	L. M. Green / W. J. Hawkins

FORMATION OR CORE RECORD

Depth From	Depth To	Recovery	Formation

COMPANY REPRESENTATIVE'S SUMMARY

Drilled 6 1/8 hole to 1920'
Tripped out to replace
drilling line. W.O. drilling
line to arrive from Hay
River 10 hrs. Dolomite
Tentative field Sample top
Lone Mnt. Formation 1905

Signed: [signature]

Form 277A C.P.

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field: Jean Marie Creek Lease: B.A. & H.B. Jean Marie Creek Well No.: 1 Date: Sept 24, 53

District: North Western Canada Prov.: N.W.T. Contractor: Petecol Ltd.

Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other Drill Pipe Size: 3½"

Last Casing: 7" Elevation: ____ G.L. ____ K.B. Depths Below Are From: ☐ K.B. ☐ G.L. Steel Line Measurement:

Size: 7" Former Depth:

Set at: 91' K.B. Corrected Depth:

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elec. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	Driller's Remarks
12 m to 1 am		1									
1 am to 2 am		1									
2 am to 3 am		1									Drilling
3 am to 4 am		1									
4 am to 5 am		1									
5 am to 6 am		1									
6 am to 7 am		1									
7 am to 8 am		1									
8 am to 9 am		1									
9 am to 10 am		3/4								1/4	Rig Service
10 am to 11 am		1									Drilling
11 am to 12 n		1									
12 n to 1 pm		1									
1 pm to 2 pm	1										Trip
2 pm to 3 pm	1										
3 pm to 4 pm		1									
4 pm to 5 pm		1									Drilling
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								1/4	Service Rig
9 pm to 10 pm		1									
10 pm to 11 pm		1/2								1/2	Stop rotating for radio
11 pm to 12 m		1									
Totals											

GRAND TOTAL: ____ Hours Approved: ____ Dist. Supt.

DRILLER'S DATA

	Tour 1		Tour 2		Tour 3
Mud Wt.	10.9		10.8		11
Viscosity	52		48		53
Water Loss	7.2		7.6		7
pH	8		10		10
Filtercake	2/32		2/32		2/32
Number Reg. Men	4		4		4
Hole Made	28		17		30
Bit Run No.	8		9 / 8		9
Bit Size	6⅛		6⅛ / 6⅛		6⅛
Bit Type	OSC		OWS / OSC		OWS
Ser. No.	77733		77804 / 77733		77804
Slope Test	°@		°@		°@
Extra Men Man Hrs.	32		32		32
Depth at End Tour	1830		1847		1877
Driller	L.M. Goetz		W.J. Boughan		W.J. Boughan / L.M. Goetz

FORMATION OR CORE RECORD

Depth From	Depth To	Recovery	Formation
			2nd Anhydrite

COMPANY REPRESENTATIVE'S SUMMARY

Drilled 6⅛" hole to 1877'. Dk grey ls Lms.

Signed: M. Lundu-ed

Form 277A C.P.

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field: Jean Marie Creek Wildcat Lease: B.A. & H.B. Jean Marie Creek Well No. 1 Date: Sept 23, 53

District: North Western Canada Prov. N.W.T. Contractor: Peter Bawden 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 Are From: ☐ K.B. ☐ G.L. Steel Line Measurement:

Size: 7 ____ G.L. Former Depth:

Set at 91 K.B. ____ K.B. Corrected Depth:

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS
12 m to 1 am	1										
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		1									
7 am to 8 am		1									
8 am to 9 am		1/2								1/2	Rig Service
9 am to 10 am		1									
10 am to 11 am		1									
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		1/2								1/2	Conditioning mud.
5 pm to 6 pm		1									
6 pm to 7 pm		3/4								1/4	Circ.
7 pm to 8 pm	1										Pulled out
8 pm to 9 pm	3/4									1/4	Service Rig
9 pm to 10 pm	1/4	3/4									
10 pm to 11 pm		1									
11 pm to 12 m		1									
Totals											

GRAND TOTAL: Hours | Approved: Dist. Supt.

DRILLER'S DATA

Mud Wt. 11	Bit Run No. 7	Mud Wt. 10.9	Bit Run No. 7
Viscosity 43	Bit Size 6 1/8	Viscosity 43	Bit Size 6 1/8
Water Loss 7	Bit Type OSC	Water Loss 9	Bit Type OSC
pH 7.2	Ser. No. 77753	pH 10.5	Ser. No. 77753
Filtercake 2/32	Slope Test @	Filtercake 2/32	Slope Test @
Number Reg. Men 4	Extra Men / Man Hrs. 32	Number Reg. Men 4	Extra Men / Man Hrs.
Hole Made 132	Depth at End Tour 1735	Hole Made 42	Depth at End Tour 1777
Driller: L.M. Goetz		Driller:	
Mud Wt. 10.8	Bit Run No. 8		
Viscosity 52	Bit Size 6 1/8		
Water Loss 7.0	Bit Type OSC		
pH 10.5	Ser. No. 77733		
Filtercake 2/32	Slope Test @		
Number Reg. Men 4	Extra Men / Man Hrs. 32		
Hole Made 25	Depth at End Tour 1802		
Driller: W.J. Haughton / L.M. Goetz			

FORMATION OR CORE RECORD

Depth From	Depth To	Recovery	Formation
		Mix	
		50 #	Tannex
		25 #	Caustic
		6 bags.	Gel.

COMPANY REPRESENTATIVE'S SUMMARY

Drilled 6 1/8" hole to 1802 ~~Tripping~~

Rockslide field Sample top:

Top of Bituminous Shale 1610'

Top of Ramparts Lms 1735'

OK on Loss.

Signed: [illegible]

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field: Jean Marie Creek Wildcat Lease: B.A. E.H.B. Jean Marie Creek Well No. 1 Date: Sept 22, 53

District: North Western Canada Prov.: N.W.T. Contractor: Petcol LTD

Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other Drill Pipe Size: 3 1/2

Last Casing: Elevation: Depths Below Are From: Steel Line Measurement:

Size: 7" ______ G.L. Former Depth ______

Set at: 91' 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
12 m to 1 am										1	Change fill up line
1 am to 2 am		1/2								1/2	
2 am to 3 am		1/2								1/2	Work on fill up lines
3 am to 4 am		1									
4 am to 5 am		1									
5 am to 6 am		1									
6 am to 7 am		1									
7 am to 8 am		1									
8 am to 9 am		3/4								1/4	Rig Service
9 am to 10 am		1									
10 am to 11 am		1									
11 am to 12 n		1									
12 n to 1 pm		1/4								3/4	Tighten guy wires
1 pm to 2 pm		1									
2 pm to 3 pm		1									
3 pm to 4 pm		1									
4 pm to 5 pm		3/4								1/4	Working on pump motors
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								1/4	Service rig
9 pm to 10 pm		1									
10 pm to 11 pm		1/2								1/2	Change oil in pump motors
11 pm to 12 m		3/4								1/4	On
Totals											

DRILLER'S DATA

	Tour 1	Tour 2	Tour 3
Mud Wt.	10.6	10.4	10.8
Bit Run No.	6		6
Viscosity	44	43	43
Bit Size	6 1/8		6 1/8
Water Loss	7.4	8.4	7.4
Bit Type	OSC		OSC
pH	8	8	7.2
Ser. No.	77739		77739
Filtercake	2/32	2/32	2/32
Slope Test ° @			
Number Reg. Men	4	4	4
Extra Men			
Man Hrs.	32	32	32
Hole Made	115	130	113
Depth at End Tour	1360	1490	1603
Driller	L. M. Goetz	W. J. Haughian	W. J. Haughian / L. M. Goetz

FORMATION OR CORE RECORD

Depth From	Depth To	Recovery	Formation

COMPANY REPRESENTATIVE'S SUMMARY

Drilled 6 1/8 hole to 1603 in Shale

GRAND TOTAL: ______ Hours Approved: ______ Dist. Supt. Signed: [signature]

Form 277A C.P.

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field: Jean Marie Creek Wildcat Lease: B.A. & H.B. Jean Marie Creek Well No. 1 Date: Sept. 21, 53

District: North Western Canada 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: Elevation: Depths Below Are From: Steel Line Measurement:

Size: 7" ____ G.L. Former Depth:

Set at: 91' 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
12 m to 1 am		1									
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		1									
7 am to 8 am		1									
8 am to 9 am		3/4								1/4	Rig Service
9 am to 10 am		1									
10 am to 11 am		1/4								3/4	Tighten Guy Wires
11 am to 12 n		1/2								1/2	on rig
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	1/4	1/2								1/4	Service Rig
9 pm to 10 pm		1									
10 pm to 11 pm		1									
11 pm to 12 m		1									
Totals											

GRAND TOTAL: Hours Approved: Dist. Supt.

DRILLER'S DATA

	Tour 1	Tour 2	Tour 3
Mud Wt.	10	10	10.4
Bit Run No.	5	5	6
Viscosity	42	42	43
Bit Size	6 1/8	6 1/8	6 1/8
Water Loss	9.4	10	9
Bit Type	OSC	OSC	OSC
pH	9.5	10	9
Ser. No.	77728	77728	77739
Filtercake	2/32	2/32	2/32
Slope Test	°@	°@	°@
Number Reg. Men	4	4	4
Extra Men			
Man Hrs.	32	32	32
Hole Made	182	174	130
Depth at End Tour	941	1115	1245
Driller	K. M. Goetz	W. J. Haughn	W. J. Haughn

FORMATION OR CORE RECORD

Depth From	Depth To	Recovery	Formation
	Mixed		50% [illegible]
			25% Quartz sand

COMPANY REPRESENTATIVE'S SUMMARY

Drilled 6 1/8" hole to 1245'. Shale

Signed: N. Lindzell

Form 277A C.P.

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field: Jean Marie Wildcat Lease: B.A. & H.B. Jean Marie Creek Well No.: 1 Date: Sept 16, 53

District: Western Canada Prov.: N.W.T. Contractor: Petcdi. Ltd.

Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other Drill Pipe Size: 3½"

Last Casing: Elevation: Depths Below Are From: ☐ K.B. ☐ G.L. Steel Line Measurement:

Size: G.L. Former Depth

Set at K.B. K.B. Corrected Depth

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS
12 am 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	Tighten Guy lines & prepare
9 am to 10 am										1	to drill
10 am to 11 am		½								½	
11 am to 12 n		1									
12 n to 1 pm		1									
1 pm to 2 pm										1	Skidded rig - 5" east.
2 pm to 3 pm		1									
3 pm to 4 pm		1									Drilling
4 pm to 5 pm		1									
5 pm to 6 pm		½								½	Changing to 13¾" Bit.
6 pm to 7 pm		1									
7 pm to 8 pm		1									Drilling 13" hole
8 pm to 9 pm		¾								¼	Service Rig
9 pm to 10 pm		1									
10 pm to 11 pm		1									Drilling on Rock
11 pm to 12 m		1									
Totals											

GRAND TOTAL: Hours Approved: [signature] Dist. Supt.

DRILLER'S DATA

Mud Wt.		Bit Run No.	1
Viscosity		Bit Size	9
Water Loss		Bit Type	OSC
pH		Ser. No.	48565
Filtercake		Slope Test	@
Number Reg. Men		Extra Men	Man Hrs.
Hole Made		Depth at End Tour	
Driller:			
Mud Wt.		Bit Run No.	1
Viscosity		Bit Size	9"
Water Loss		Bit Type	OSC
pH		Ser. No.	48565
Filtercake		Slope Test	°@
Number Reg. Men	4	Extra Men	Man Hrs. 32
Hole Made	35	Depth at End Tour	35
Driller:	W. J. Haughian		
Mud Wt.		Bit Run No.	2
Viscosity		Bit Size	13¾
Water Loss		Bit Type	OSC-3
pH		Ser. No.	used
Filtercake		Slope Test	°@
Number Reg. Men	4	Extra Men	Man Hrs. 32
Hole Made	0	Depth at End Tour	35
Driller:	G. McCoelza		

FORMATION OR CORE RECORD

Depth From	Depth To	Recovery	Formation
			Mix 25 bags Gell

COMPANY REPRESENTATIVE'S SUMMARY

Spudded in at 10:30 A.M. Drilled 9" hole to 35 Kelly off vertical centerline deflected by boulder. Skidded rig 5" East. Reamed 9" hole to 13¾" hole to 20' hit boulder Drilled on boulder 5¾ hrs. Kelly still off Center

Signed: [signature]

Form 277A C.P.

THE BRITISH-AMERICAN OIL COMPANY LTD.
DAILY DRILLING REPORT

Field: Jean Marie Wildcat Lease: B.A. E.H.B Jean Marie Creek Well No. 1 Date: Sept 17, 53

District: Western Canada Prov.: N.W.T. Contractor: Petcol Ltd.

Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other Drill Pipe Size: 3 1/2

Last Casing: Elevation: Depths Below Are From: ☐ K.B. ☐ G.L. Steel Line Measurement:

Size: ______ ______ G.L. Former Depth: ______

Set at ______ K.B. ______ K.B. Corrected Depth: ______

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS
12 m to 1 am		1									
1 am to 2 am		1									
2 am to 3 am		1									
3 am to 4 am		1									Milling on Rock
4 am to 5 am		1									
5 am to 6 am		1									
6 am to 7 am		1									
7 am to 8 am		1									
8 am to 9 am		3/4								1/4	Rig Service
9 am to 10 am										1	Mixing Mud
10 am to 11 am		1									
11 am to 12 n		1									Drilling on Boulder
12 n to 1 pm		1/2									
1 pm to 2 pm		1/2								1/2	Skidded rig 8" South east
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								1/4	Service Rig
9 pm to 10 pm		1/2								1/2	Digging rat hole.
10 pm to 11 pm										1	
11 pm to 12 m		1/4								3/4	
Totals											

DRILLER'S DATA

	Tour 1	Tour 2	Tour 3
Mud Wt.	8.6	8.6	9.4
Bit Run No.	2	2	3
Viscosity	30	65	65
Bit Size	13 3/4	13 3/4	9
Water Loss			
Bit Type	OSC-3	OSC-3	OSC
pH			
Ser. No.	Return	Return	59996
Filtercake			
Slope Test @			
Number Reg. Men	4	4	4
Extra Men			
Man Hrs.	32	32	32
Hole Made	0	14	6
Depth at End Tour	33'	34	40
Driller	L.M. Burr	W.J. Haughton	L.M. Burr

FORMATION OR CORE RECORD

Depth From	Depth To	Recovery	Formation
			Mixed 20 Gell

COMPANY REPRESENTATIVE'S SUMMARY

Milled on Boulder 11 3/4 hrs
Skidded rig 8" South east
Ran in with 9" bit drilled
9" hole to 40'. Kelly was
true vertical. Drilled
rat hole. Bottom of
Glacial drift 20' K.B.

GRAND TOTAL: ______ Hours Approved: R. Atkinson for Dist. Supt. Signed: [illegible signature]

Form 277A C.P.

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field: Jean Marie Creek Wildcat Lease: B.A. & H.B. Jean Marie Creek Well No.: 1 Date: Sept 18, 1953

District: North Western Canada Prov.: N.W.T. Contractor: Petcdl. Ltd.

Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ ~~Diesel~~ ☐ L.P.G. ☐ Other Drill Pipe Size: 3½"

Last Casing: Elevation: Depths Below Are From: ☐ K.B. ☐ G.L. Steel Line Measurement:

Size: 7" ____ G.L. Former Depth:

Set at: 91' K.B. ____ K.B. Corrected Depth:

KB

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elec. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS
12 m to 1 am		1									
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		½								½	Circ to run csg.
6 am to 7 am	¼	¼								½	
7 am to 8 am	¼	¾									Pick up 1st joint of csg.
8 am to 9 am										1	Weld shoe.
9 am to 10 am										1	Running & cement csg
10 am to 11 am										1	
11 am to 12 n										1	
12 n to 1 pm										1	
1 pm to 2 pm										1	Standing cemented
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										1	Wait on cement.
9 pm to 10 pm										1	
10 pm to 11 pm										1	
11 pm to 12 m										1	
Totals											

DRILLER'S DATA

Tour	Mud Wt.	Viscosity	Water Loss	pH	Filtercake	Number Reg. Men	Hole Made	Bit Run No.	Bit Size	Bit Type	Ser. No.	Slope Test ° @	Extra Men	Man Hrs.	Depth at End Tour	Driller
1	9.6	50				4	—	3	9	OSC	Rerun			32	95	L. M. Goetz
2						4	—							32	95	W. J. Haughton
3						4	~~4~~	1						32	95	L. M. Goetz

FORMATION OR CORE RECORD

Depth From	Depth To	Recovery	Formation
			K.B to Water level: Mackenzie River 23.9' obtained with use of Brunton pocket transit
			Witness: Lodwick for B.A. Ibitson for Petcdl

COMPANY REPRESENTATIVE'S SUMMARY

Drilled 9" hole to 95'. Circulated ½ hour. Made round trip. S.L.M. at 95' = 95'. Ran 4 jts. 81' 7" O.D. 20# J-55 & H-40 S.S. 8rd thd Rge 1 & 2 csg csg w/ Larkin guide shoe on bottom. Set at 91' K.B. Cemented w/ 40 sks Canadian cement (2% CaCl). Plug displaced to 75' K.B. Cement circulated. Started cementing at 9:50 A.M. Complete at 10:10 A.M.

GRAND TOTAL: Hours Approved: [signature] for Dist. Supt. Signed: [signature]

Form 277A C.P.

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field: Jean Marie Wildcat Lease: B.A.E'H.B. Jean Marie Creek Well No. 1 Date: Sept 19 53

District: North Western Prairie Prov. N.W.T. Contractor: Petcel LTD

Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☑ Diesel ☐ L.P.G. ☐ Other Drill Pipe Size: 3 1/2"

Last Casing: Elevation: Depths Below Are From: ☐ K.B. ☐ G.L. Steel Line Measurement:

Size: 7" ____ G.L. Former Depth:

Set at: 91' K.B. ____ K.B. Corrected Depth:

Operations (See Instructions)	Trip with D.P.	Drilling	Reaming	Coring	Run Elect. Log	Run D.S.T.	Circ. for Samples	Wait on Orders	Repairing Rig	Other Operations	DRILLER'S REMARKS
12 m to 1 am										1	W.O.C
1 am to 2 am										1	Cleaning up
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										1	
7 am to 8 am										1	
8 am to 9 am										1	Slacked of csg
9 am to 10 am										1	
10 am to 11 am										1	Nippled up
11 am to 12 n										1	
12 n to 1 pm										1	Pressured up to 300 lbs.
1 pm to 2 pm										1	for 10 mins
2 pm to 3 pm										1	
3 pm to 4 pm										1	
4 pm to 5 pm										1	
5 pm to 6 pm										1	Ran in & drilled on
6 pm to 7 pm										1	Plug at 81'
7 pm to 8 pm		1									
8 pm to 9 pm		3/4								1/4	Service rig.
9 pm to 10 pm										1	Condition mud.
10 pm to 11 pm										1	
11 pm to 12 m		1									
Totals											

DRILLER'S DATA

Mud Wt.		Bit Run No.	
Viscosity		Bit Size	
Water Loss		Bit Type	
pH		Ser. No.	
Filtercake		Slope Test °@	
Number Reg. Men	4	Extra Men / Man Hrs.	32
Hole Made	—	Depth at End Tour	95
Driller:	L.M. Gaetz		
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:	W.J. Haughian		
Mud Wt.	9.6	Bit Run No.	4
Viscosity	45	Bit Size	6 1/4
Water Loss		Bit Type	OSC
pH		Ser. No.	77746
Filtercake		Slope Test °@	
Number Reg. Men	4	Extra Men / Man Hrs.	32
Hole Made	25	Depth at End Tour	120
Driller:	L.M. Gaetz		

FORMATION OR CORE RECORD

Depth From	Depth To	Recovery	Formation

COMPANY REPRESENTATIVE'S SUMMARY

After W.O.C 22 hrs. released tension, backed off landing jt. Nippled up Globe valve, Guiberson B.O.P. After 33 hrs pressured up to 300 P.S.I. for 10 mins. with Globe valve. Felt top of plug at 81' K.B. Drilled out cement plug. Cement & guide shoe. Drilled 6 1/4" hole to 120' Shale

GRAND TOTAL: Hours Approved: D. Atkinson for Dist. Supt. Signed: N. Ludwick

Form 277A C.P.

THE BRITISH-AMERICAN OIL COMPANY LTD.

DAILY DRILLING REPORT

Field: Jean Marie Creek Lease: B.A. F.H.G. Jean Marie Creek Well No.: 1 Date: Sept 20, 53

District: North Western Canada Prov.: N.W.T. Contractor: Petcal. LTD.

Type rig: ☐ Rotary ☐ Cable Fuel Used: ☐ Gas ☐ Diesel ☐ L.P.G. ☐ Other Drill Pipe Size:

Last Casing: Elevation: Depths Below Are From: Steel Line Measurement:

Size: 7" G.L. Former Depth:

Set at: 91' 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
12 m to 1 am		1									
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		1									
7 am to 8 am		1									
8 am to 9 am		3/4								1/4	Rig Service
9 am to 10 am		1									
10 am to 11 am		1									
11 am to 12 n		1									
12 n to 1 pm		1									
1 pm to 2 pm		1/2							1/2		Repaired Rotary Chain
2 pm to 3 pm		1									
3 pm to 4 pm		1									
4 pm to 5 pm	1/2	1/2									
5 pm to 6 pm	1/2	1/2									
6 pm to 7 pm		1									
7 pm to 8 pm		1									
8 pm to 9 pm		3/4								1/4	Service Rig
9 pm to 10 pm		1									
10 pm to 11 pm		1									
11 pm to 12 m		1									
Totals											

DRILLER'S DATA

Tour	Mud Wt.	Viscosity	Water Loss	pH	Filtercake	Number Reg. Men	Hole Made	Bit Run No.	Bit Size	Bit Type	Ser. No.	Slope Test	Extra Men	Man Hrs.	Depth at End Tour	Driller
1	9.6	43	11.2	9.5	2/32	4	208					@		32	328	L. M. Goetz
2	9	35	14	9.5	2/32	4	232	4	6 1/8	OSC	77740	@		32	560	W. J. Haughian
3	9.9	44	10.8	9	2/32	4	190	5	6 1/8	OSC	77728	@		32	750	W. J. Haughian

FORMATION OR CORE RECORD

Depth From	Depth To	Recovery	Formation
			Mixed 150# Spersene
			50# Spersene

COMPANY REPRESENTATIVE'S SUMMARY

Drilled 6 1/8" hole to 750' Green Shale

GRAND TOTAL: Hours Approved: R. Parkinson Jr. Dist. Supt. Signed: [signature]

Form 277A C.P.