MURPHY CANADA ALEXANDRA
FALLS NO. 1

Drilling Authority No.
Date Issued

WELL NAME Murphy Canada Alexandra Falls No. 1
FIELD Wildcat **Area:** Alexandra Falls
LOCATION: Unit **Section** **Grid**
Latitude 60°28' 26.62" N. **Longitude** 116°51' 33.84" W.
From Established Reference Marker

Rig Release Date: 28-2-62
Status D & A
Information Release Date 28-2-62

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.

NANR 52-90(1-61)

Murphy Alexandra 1

Location: Latitude 60° 28' 26.88" N;
Longitude 116° 51' 33.84" W.

Elevation: K.B. 985.5 Total Depth: 3137' Drilled: 1960

Cores and samples stored at Geological Survey of Canada, Calgary

Log by: W. H. Belyea

Depth (feet)	Lithology
	Tathlina Formation
0' - 30'	Limestone, light grey, fine-grained, argillaceous, silty, calcilutite; grey shale laminae, mica-flakes; scattered brachiopod and crinoid fragments; pyrite associated with organisms; scattered dark grey-coated pebbles and pyrite at 20'-30'
30' - 50'	Limestone, buff, fine-grained, calcilutite; scattered fossil fragments, in part silicified; siliceous spicules; some greenish-grey calcareous shale
50' - 80'	Shale, grey and brownish grey, with carbonaceous specks, calcareous, silty; grades to silty limestone; scattered brachiopod fragments
80' - 100'	Limestone, buff, fine-grained, fossiliferous, scattered coarse fossil fragments and dark grey-stained pebbles; some green silty shale
100' - 160'	Shale and limestone, greyish-brown, highly silty, varies from more to less limey; abundant scattered brachiopod fragments
160' - 170'	Shale, silty, calcareous as above; some dark brown shale with brown streak
170' - 180'	Shale and silty limestone, more limey than above
180' - 190'	Shale, greenish grey, silty; silty limestone layers
190' - 230'	Limestone, buff, fine-grained, silty; scattered brachiopods and crinoids; grey inclusions at 190'-200'; shale, greyish-brown, silty
230' - 280'	Siltstone, grey, calcareous, micaceous; green mineral, possibly glauconite; grey-green shale interlaminated
280' - 300'	Limestone, buff, fine-grained, comminuted shell debris; a little grey sandstone with black grains; brown shale laminae; crinoids and brachiopods
300' - 330'	Limestone, as above; siltstone, greyish-green, argillaceous; green mineral (glauconite?); scattered shell fragments
	Twin Falls Formation
330' - 380'	Limestone, buff, fine to medium-grained, calcarenitic; scattered corals, brachiopod and crinoid fragments; siltstone, greyish-green; shale, grey-green, calcareous; scattered pyrite; dark grey-stained pebbles at 360'-370'

Depth	Lithology
380' - 390'	Siltstone, grey, calcareous; crinoid and brachiopod fragments; grades to limestone; some green shale
400' - 440'	Limestone and siltstone; limestone, grey and buff, fine to medium-grained, calcarenite; scattered corals, brachiopods and crinoids; silty, grades to siltstone, grey, argillaceous; grey and dark grey shale laminae; shaly material interbedded with siltstone and limestone
440' - 450'	Limestone, buff, fine to medium-grained, silty; brachiopods, crinoids; green shaly siltstone with small dark-stained pebbles
450' - 500'	Limestone, buff, fine to medium-grained, calcarenite; brown shale laminae; some grey limestone with comminuted fossil debris; abundant brachiopod and crinoid remains; coarser at 490'-500', grey shale partings common
510' - 520'	Shale, grey, massive, calcareous; varies to marl; some buff, fine to medium-grained limestone; ostracods
520' - 570'	Limestone, buff, fine to medium-grained; grey shaly limestone and shale, silty; a little greenish-grey siltstone; grey and brownish-grey shale partings or laminae, scattered brachiopods; bryozoa at 560' - 570'
570' - 580'	Limestone, light yellow brown, fine-grained, argillaceous, silty; darker brown shale laminae
580' - 620'	Limestone, buff, fine to coarse-grained matrix containing abundant stromatoporoid and coral fragments; in part coarse crinoidal limestone; top has coarse crinoidal limestone in green waxy shale (suggests re-working); dark brown shale partings
620' - 630'	Limestone with dark grey-coated pebbles; grey to green-grey siltstone and shale; scattered fossil fragments
630' - 660'	Limestone, marly, grey, argillaceous, silty; scattered fossil fragments, some black coated; scattered pyrite
660' - 760'	Limestone, grey, fine-grained, argillaceous, varies to buff, fine-grained to aphanitic; scattered crinoid fragments; shale, grey to greenish-grey; some bands of coarser limestone with crinoids, bryozoa at 750'-760'
760' - 770'	Limestone, as above, with dark-coated grains; brachiopods, crinoids
770' - 790'	Limestone, buff, fine to coarse-grained, calcarenite matrix with scattered dolomite rhombs; stromatoporoids or algae, brachiopods; grey shale

Depth	Lithology
790' - 800'	Limestone, as above, but lacking stromatoporoid or algae fragments
800' - 840'	Siltstone and limestone; siltstone, grey, slightly argillaceous; greenish grey shale partings, dark grains, possibly carbonaceous specks; glauconite? crinoids, tentaculites
840' - 890'	Siltstone, and shale, grey to greenish grey, calcareous; some bands of limestone, grey, largely composed of fossil fragments; chiefly brachiopod and crinoid debris: stromatoporoid at 880'-890'
890' - 900'	Siltstone, shale, some limestone as above
900' - 920'	Missing
920' - 940'	Shale, greenish grey, calcareous, silty, varies to siltstone; some fragments of limestone, may be cavings
940' - 1010'	Shale, greenish grey, in part silty, carbonaceous specks; limestone, siltstone, probably interlaminated with shale
1010' - 1040'	Shale, as above, grey, silty; a little grey, dense limestone with crinoid fragments
1040' - 1080'	Shale, olive grey; a little grey, dense limestone
1080' - 1110'	Shale, greenish grey, calcareous
1110' - 1120'	Shale, as above; a little grey limestone and siltstone
1120' - 1130'	Shale, as above, fragments of lingulaid brachiopod?
1130' - 1140'	Shale, as above; limestone, yellow-brown, fine-grained, argillaceous, chunky
1140' - 2100'	Shale, greenish-grey, calcareous; zones with siltstone laminae
2100	Slave Point

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FORM "B"

78

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

NORTHERN ADMINISTRATION BRANCH

RESOURCES DIVISION

For the period from . FEBRUARY 26th, 1960.

to . FEBRUARY 28th, 1960.

REVISED REPORT of [redacted] of a Well
ABANDONMENT

Permit No. . 1397.

Name of well . MURPHY-CANADA ALEXANDRA FALLS NO. 1 . . . . . Lease No. . . . .

Registered owner . MURPHY-CANADA OIL COMPANY Drilling Company . PETER BAWDEN DRILLING

Location . . . . 60° 28' . 24.48" . . . . N. Lat. 116° ~~54'~~ 51' 33.84" . W. Long.

Survey description, if available . . . . . .

Elevation: Ground . . . 975 . . . Last previous depth . . . . . .
(Corrected from 1010')

Kelly bushing. . . 985.55 . Present depth . . 3,137' . . . . . .

Spudded . . . . January 21st, 1960 . . Finished drilling Feb. 26. Rig Released

. 7 P.M. Feb. 28th.

Deviations from vertical . . Max. 45°. 45'. - . Average 2° . . . . . .

. . . . . .

CASING RECORD

Date	Size O.D.	Weight lbs/ft	Grade	Set at feet	Sacks Cement	Top of Cement
1 Jan 29	8-5/8	24	J-55	364	190	To surface
2						
3						
4						

TUBING RECORD

Size	Wt.Lbs/foot	Grade	Amount	Landed Depth	Remarks
			NONE		

Wellhead . . . . . (Manufacturer). . . . (Size) . . . (Series)

.. 2

Status of well on completion of drilling . . DRYHOLE . . . . . .

Producing Zone . . . . . .and formation . . . . . .
Injection

Cord intervals . . . . . .

. . . . . 2145. - .2164 .-. Recovered 19.feet . . . . . .

. . . . . .

. . . . . .

Interval logged: E-log Induction 338' - 3132'. . Other logs Sonic.Gamma.2000 - 3135'

R-log . . . . . .

M-log 2000.-.3135'. . . .

Velocity log . . . . . .

The above logs ~~have~~ (will be) submitted in accordance with Section 65 of the Regulations.

DRILL STEM TESTS

Test No.	Date	Interval Tested	Duration	Results
.1. . .	Feb. 27.	.2608 - 2648. . .	60 min. .	2280' .Sulfur water
.2. . .	Feb. 27.	.2092 - 2189. . .	45 min. .	30' Mud . 420' Sulfur water
. . . . .	. . . .	. . . . .	. . . . .	. . . . .
. . . . .	. . . .	. . . . .	. . . . .	. . . . .
. . . . .	. . . .	. . . . .	. . . . .	. . . . .
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. . . . .	. . . .	. . . . .	. . . . .	. . . . .

(If space insufficient, attach further sheet)

(Strike out the non-applicable) (Completion) (Rework) (Recompletion)

Perforations Bullet. . . . . .

Shootings . . . . . .

Hydraulic fracturing . . . . . .

Chemical treatment . . . . . .

Date initial production tests . . . . . .

Initial production data . . . . . .

Pumping or flowing . . . . . .

Plug back . . . . . .

Other . . . . . .

. . . . . .

. . . . . .

. . . . . .

. . . . . .

CEMENT PLUGS SET

Date	Plug set at	Sacks cement	Method	Top found at
Feb. 26.	3137. - 2900	77	Displaced.	~~2900~~ Not found
Feb. 26	2700 - 2400	90	through	2369
Feb. 27	2350 - 2000	120	Drill	1814
Feb. 27	440 - 238	65	Pipe	240
Feb. 28	20 - 0	12	Manually.	

Washed well samples have been sent to Geological Survey of Canada, Calgary
will be

Cores will be stored at . . . . . Calgary, Alberta. . . . . .

Core analysis (was made) of the Intervals . 2145 - 2164 . . . . . .
(to be made)

Oil analysis (was made) of the Intervals. . . . . .
(to be made)

Gas analysis (was made) of the Intervals. . . . . .
(to be made)

Water analysis (was made) of the Intervals. . . . . .
(to be made)

The above analyses (are)
(will be) submitted in accordance with Section 70(2) of the Regulations.

ADDITIONAL DETAILS AND COMMENTS

. . A two inch pipe, four feet above ground level was placed at centre of well

. . bore to identify well location. . . . . .

. . . . . .

. . . . . .

. . . . . .

Signed. . . . . .
E. T. LATHAM, Genl. Supt.

Date . . February 29th, 1960. . . .

Address . . Amurex Oil Company. . .
703 - 5th St. S.W.,
Calgary, Alberta.

(To be submitted in triplicate in accordance with Sections 68, 69, 70 and 71, of the Territorial Oil and Gas Regulations to the Oil Conservation Engineer at Calgary, Alberta.)

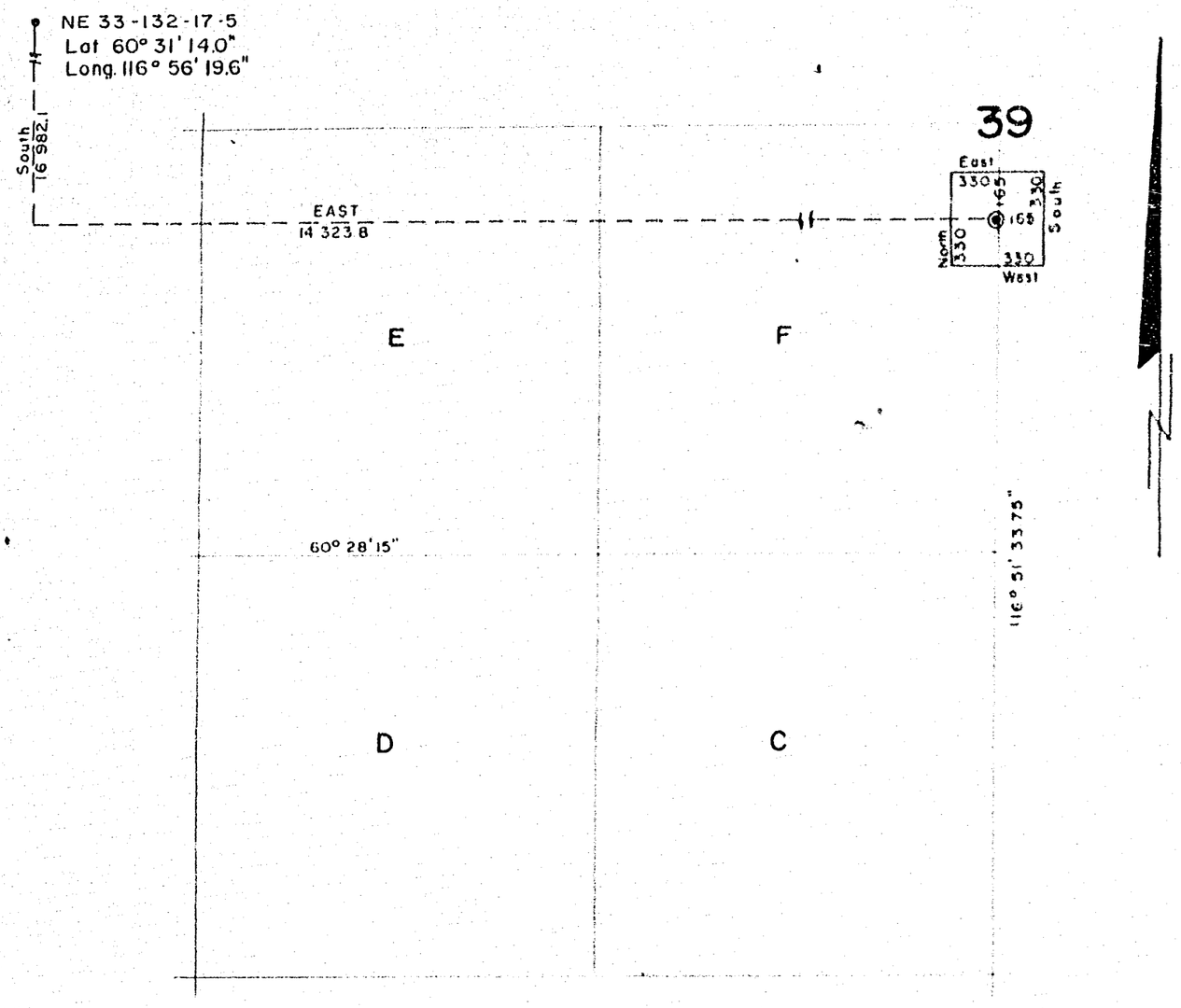
PLAN OF WELL LOCATION
MURPHY-CANADA ALEXANDRA FALLS NO.1
NORTHWEST TERRITORIES

LATITUDE: 60° 28' 26.68" LONGITUDE: 116° 51' 33.84"

UNIT F SECTION 39 GRID AREA 60° 30' - 116° 45'

Elevation: 975 ground Datum: BM NE 34-132-17-5 (Elev.948.25)

Scale: 500 feet = 1 inch



TRAVERSE INFORMATION		
Origin of traverse NE 33-132-17-5		
Station	Distance	Bearing
NE 33		
NE 34 (w/ FM)	5 676 00	N 89° 59' 50" E
84-60-1	1 122 00	N 89° 59' 50" E
2	8 816 70	S 03° 16' 10" E
3	5 832 70	S 03° 55' 30" E
4	2 898 25	S 35° 50' 30" E
Loc	4 960 55	S 89° 53' 30" E

Legend:

- Survey monument found
- Well location

Area.

Well site 2.50 Ac

Coordinates

16 982.1 South of NE 33-132-17-5
14 323.8 East of NE 33-132-17-5
337' South of N Bdy Unit F
5' West of E Bdy Unit F

DEPT. OF NORTHERN AFFAIRS & NATIONAL RESOURCES
CALGARY, ALBERTA
MAR 21 1960
OIL CONSERVATION ENGINEER
Northwest Territories & Yukon Territory

Note:

All distances check chained.

Bearings referred to meridian through NE 33-132-17-5 and derived from N Bdy 34-132-17-5.

I Earl Edward Little of the Town of Fort St John, BC, Dominion Land Surveyor make oath and say that I was present at and did personally superintend the survey represented by this plan and that the survey and plan are correct. The said survey was completed on the 14th day of March 1960.

Sworn before me this 16 day of March 1960

DLS

A Commissioner for taking affidavits within the Province of British Columbia

Operator: MURPHY-CANADA OIL COMPANY

APPROVED

Surveyor General

OTTAWA

Midwest Surveys & Engineering Ltd, Ft St John, BC F-84-60

FORM "B"

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

NORTHERN ADMINISTRATION BRANCH

RESOURCES DIVISION

For the period from . FEBRUARY 26th, 1960

to . FEBRUARY 28th, 1960.

REPORT of ~~COMPLETION~~ ~~WORK~~ ~~RECOMPLETION~~ ~~SUSPENSION~~ ABANDONMENT of a Well

Permit No. 1397. .

Name of well . MURPHY-CANADA ALEXANDRA FALLS NO. 1. . . . . Lease No. . . . .

Registered owner MURPHY-CANADA OIL COMPANY. Drilling Company . PETER BANDEN DRILLING

Location . . . 60° 28' . . . . . N. Lat. 114°. 54' W. Long.

Survey description, if available . . . . . .

Elevation: Ground . 976 (Corrected from 1010') . . . . Last previous depth . . . . . .

Kelly bushing. . 986.55 . . Present depth . . . 3,137' . . . . . .

Spudded . . January 21st, 1960. . . . Finished drilling . Feb. 26 Rig Released 7 P.M. Feb. 28th.

Deviations from vertical . . . . . Max. 4° 45' - Average 2° . . . . . .

. . . . . .

CASING RECORD

	Date	Size O.D.	Weight lbs/ft	Grade	Set at feet	Sacks Cement	Top of Cement
1	Jan. 29	8-5/8	24	J-55	364	190	To surface
2							
3							
4							

TUBING RECORD

Size	Wt. Lbs/foot	Grade	Amount	Landed Depth	Remarks
		NONE			

Wellhead . . . . . (Manufacturer). . . . (Size). . . . (Series)

.. 2

Status of well on completion of drilling [redacted] . . . . . .

Producing / Injection Zone . . . . . .and formation . . . . . .

Cord intervals . . . . . .

. . . . . 2145 - 2164 - Recovered 19 feet . . . . . .

. . . . . .

. . . . . .

Interval logged: E-log (Induction) 338-3132' . Other logs . Sonic Gamma 2000-3135'.

R-log . . . . . .

M-log 2000 - 3135' . . . . . .

Velocity log . . . . . .

The above logs ~~(are)~~ (will be) submitted in accordance with Section 65 of the Regulations.

DRILL STEM TESTS

Test No.	Date	Interval Tested	Duration	Results
1	Feb. 27	2608 - 2648	60 min.	2280' Sulfur water
2	Feb. 27	2092 - 2139	45 min.	30' Mud. 420' Sulfur Water
. . . . .	. . . .	. . . . .	. . . . .	. . . . .
. . . . .	. . . .	. . . . .	. . . . .	. . . . .
. . . . .	. . . .	. . . . .	. . . . .	. . . . .
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. . . . .	. . . .	. . . . .	. . . . .	. . . . .

(If space insufficient, attach further sheet)

(Strike out the non-applicable) (Completion) (Rework) (Recompletion)

Perforations Bullet. . . . . .

Shootings . . . . . .

Hydraulic fracturing . . . . . .

Chemical treatment . . . . . .

Date initial production tests . . . . . .

Initial production data . . . . . .

Pumping or flowing . . . . . .

Plug back . . . . . .

Other . . . . . .

. . . . . .

. . . . . .

. . . . . .

. . . . . .

CEMENT PLUGS SET

Date	Plug set at	Sacks cement	Method	Top found at
Feb. 26	3137 - 2900	77	(Displaced	2900
Feb. 26	2700 - 2400	120	(through	2419
Feb. 27	2300 - 2000	120	(Drill	1980
Feb. 27	440 - 220	60	(Pipe	~~400~~ 350
Feb. 28	20 - 0	12	Manually	

Washed well samples have been sent to Geological Survey of Canada, Calgary
will be

Cores will be stored at . . . Calgary, Alberta . . . . . .

Core analysis (was made) of the Intervals . 2145 - 2164 . . . . . .
(to be made)

Oil analysis (was made) of the Intervals. . . . . .
(to be made)

Gas analysis (was made) of the Intervals. . . . . .
(to be made)

Water analysis (was made) of the Intervals. . . . . .
(to be made)

The above analyses (are)
(will be) submitted in accordance with Section 70(2) of the Regulations.

ADDITIONAL DETAILS AND COMMENTS

. . . . . .

A 2 inch pipe, four feet above ground level, was placed at centre of well bore to identify well location. . . . . .

. . . . . .

. . . . . .

Signed . . . . . .
E.T. LATHAM, Genl. Supt.

Date . February 29th, 1960. . . .

Address Amurex Oil Company . . . .
703 - 5th St. S.W.,
Calgary, Alberta.

(To be submitted in triplicate in accordance with Sections 68, 69, 70 and 71, of the Territorial Oil and Gas Regulations to the Oil Conservation Engineer at Calgary, Alberta.)

FORM "C"

C A N A D A

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

NORTHERN ADMINISTRATION BRANCH

RESOURCES DIVISION

ABANDON

NOTICE OF INTENTION TO or a Well

[redacted]

(Strike out operation which does not apply)

In accordance with Sections 68 & 69 of the Territorial Oil and Gas Regulations, notice is hereby given of our intention to

. . . . . ABANDON . . . . the well named Murphy-Canada Alexandra No. 1 on Oil and Gas

Permit No. . 1397.

Lease No. . . . .

Registered in the name of . Murphy-Canada Oil Company - 703 - 5th St. S.W., Calgary .

Depth - 3137. - feet. Elevation above sea level: Ground surface . . 976 . . . ft. Kelly bushing . 986.55 . . ft.

Location . 60° 28' . . . . . N. Lat. . 116° 54' . . . . . W. Long.

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

Survey description, if available . . . . . .

CASING RECORD

Size O.D. inches	Weight lbs/ft	Grade	Amount feet	Set at feet	Sacks cement	Method	to be withdrawn
1 8-5/8	24	J-55		364	190		NONE
2							
3							
4							

OIL, GAS AND WATER

Oil from . Nil . . feet to . . . . . feet From . . . . . feet to . . . . feet with . . . . . sacks cement

Oil from . Nil . . feet to . . . . . feet From . . . . feet to . . . . feet with . . . . . sacks cement

Gas from . NIL . feet to . . . . feet From . . . feet to . . . . feet with . . . . sacks of cement.

Gas from . NIL . feet to . . . feet From . . . feet to . . . . feet with . . . . sacks of cement.

Water from . 2099 . feet to 2184 . feet From . . . . feet to . . . . feet with . . . . sacks cement.

Water from . 2408 . feet to 2648 . feet From . . . . feet to . . . . feet with . . . . sacks cement.

Surface and bottom plugs:

1. from 3137 . . feet to . 2900 . feet with . 37 . . sacks cement.
2. from . 2700 . feet to . 2400 . feet with . 120 . . sacks cement.
3. from . 2300 . feet to . 2000 . feet with . 120 . . sacks cement.
4. from 440 feet to 220 feet with 60 sacks cement
5. from 30 feet to Surface 10 sacks cement

Date of last operation . February 28th, 1960. . . . . total depth . . 3137' . . . .

Nature of liquid left in well on suspension or abandonment . Heavy Drilling Mud . level from surface . . Full . . .

The following logs ~~[illegible]~~ have been run E. Log (Induction) 138 - 3132', Sonic - Gamma 2000 - 3135', Micro Caliper 2000-3135'.

. . . . . .

Produced from . . . No Production . . . . zone and . . . . . on abandonment of a well which has been on production.

Present condition of well in addition to above . . . . . .

. . . . . Inactive, standing full of drilling fluid. . . . . .

. . . . . .

On abandonment or suspension of drilling we shall comply with Sections 68, 69 and 70 of the Regulations.

Program of operation not included above . Two inch pipe protruding from centre of well bore four feet above ground level to identify well location. . Clean up and . level surface to close to original condition. . . . . .

. . . . . .

Responsible agents of permittee or lessee in charge of operation:

At well Mr. Angus McKenzie . . . . . Postal address . . Hay River, N.W.T. . . . .

At registered office F.G. Kirby - Expl. Mgr. E.T. Latham, Genl. Supt. . Postal address . Amurex Oil Company 703 - 5th St. S.W., Calgary, Alberta. . . . .

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

dated at . Calgary . this . . . 4th . day of . March . . . . . 19 60.

Signed by . . . . . .

GENERAL SUPERINTENDENT.

This program is approved subject to the following provisions

confirming oral approval to abandon

7th March 1960
Date

B. H. Thomas
Oil Conservation Engineer

(To be submitted in triplicate to the Oil Conservation Engineer at Calgary, Alberta.)

FORM "A"

C A N A D A

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

NORTHERN ADMINISTRATION BRANCH

RESOURCES DIVISION

NOTICE OF INTENTION TO BEGIN DRILLING OPERATIONS

or

TO CARRY OUT A STRUCTURE TEST PROGRAM

In accordance with Section 58 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. . 1397. . registered in the name of Lease No. . . . . .

Murphy-Canada Oil Company . . . . . .

TYPE OF WELL:

Wildcat . . . . . WILDCAT . . . . . .

Development . . . . . .

Expected total depth . . . . . 3,200 . . . . . feet, in the . . . . .

formation of . . . . Precambrian . . age.

The well will be located at . . 60° 28' . . . . N. Lat. 110° 34'. W.Long.

13,000' ↑ . . . (N. of S. boundary) (Permit No. . 1397 . . . .)
(S. of N. boundary) of (Lease No. . . . . .)
10,750' ↑ . . . (W. of E. boundary) of (Permit No. . . . . .)
(E. of W. boundary) (Lease No. . . . . .)

Survey description of Location, if known . . . . . .

. . . . . .

Approximate surface elevation of . . 1,010 . . . feet above sea level.

Name of well . . Murphy-Canada Alexandra Falls No. 1 . . . . . .

Type of drilling rig . . . . . Rotary . . . . . .

Expected date of commencement . . . . . January 5th, 1960 . . . . . .

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

	Size O.D. Inches	Weight lbs/ft	Grade	Brand	New or Used	Estimated Depth	Sacks of Cement
1.	8-5/8	24	J-55	SHL	New	310	200
2.	5-1/2	14	J-55	SHL	If Production established, casing		
3.	will be run and cemented at a depth relative to information obtained and as approved by Conservation Engineer.						

.. 2

FORM "A"

C A N A D A

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

NORTHERN ADMINISTRATION BRANCH

RESOURCES DIVISION

NOTICE OF INTENTION TO BEGIN DRILLING OPERATIONS

or

TO CARRY OUT A STRUCTURE TEST PROGRAM

In accordance with Section 58 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. . 1397 . . registered in the name of Lease No. . . . . .

Murphy-Canada Oil Company . . . . . .

TYPE OF WELL:

Wildcat . . . . . WILDCAT . . . . . .

Development . . . . . .

Expected total depth . . . . . 1,200 . . . . . feet, in the . . . . .

formation of . . . . Precambrian . . age.

The well will be located at . . 60° 28' . . . . N. Lat. 114° 54' . W.Long.

13,000' ↑ . . . (N. of S. boundary) (Permit No. . . 1397 . . . .)
(S. of N. boundary) of (Lease No. . . . . .)
19,750' ↑ . . . (W. of E. boundary) of (Permit No. . . . . .)
(E. of W. boundary) (Lease No. . . . . .)

Survey description of Location, if known . . . . . .

. . . . . .

Approximate surface elevation of . . 1,010 . . . feet above sea level.

Name of well . . Murphy-Canada Alexandra Falls No. 1 . . . . . .

Type of drilling rig . . . . Rotary . . . . . .

Expected date of commencement . . January 5th, 1960 . . . . . .

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

	Size O.D. Inches	Weight lbs/ft	Grade	Brand	New or Used	Estimated Depth	Sacks of Cement
1.	8-5/8	24	J-55	SGL	New	310	200
2.	5-1/2	14	J-55	SGL	If Production established, casing		
3.	will be run and cemented at a depth relative to information obtained and as approved by Conservation Engineer.						

.. 2

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

. . . . . [redacted] . . . . [redacted] . . . . . .

. . . . . [redacted] . . . . [redacted] . . . . . .

. . . . . [redacted] . . . . [redacted] . . . . . .

. . . . . .

An electric log will [redacted] be run Other logs will [redacted] be run [redacted] possibly R. A.

STRUCTURE TEST PROGRAM

~~Proposed number of holes . . 22 . . . . Maximum well depth . . 900 . . . . .~~
~~enclosed within an area bounded by~~

~~. 60° . - 60'. to 60° 30' . . .N. Latitudes~~

~~. 116° 15' to 117° 00' . . .W. Longitudes~~

~~An electric log will [redacted] be run Other logs will [redacted] be run possibly R. A.~~

Name and address of drilling contractor . ~~Sonner Engineering & Drilling Co. Ltd.,~~
Peter Bowden Drilling Ltd. . .
. . . . . .
. . . . . .

Responsible agents of permittee or lessee in charge of operation:

At well . [redacted] . . . . . Postal address . [redacted] . . .

At registered office . . . . E.T. LATHAM F.G. KIRBY . . . . . Postal address AMUREX OIL COMPANY .703.-.5th.ST..S.W. CALGARY

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

Dated at .CALGARY. this . . 18th . . . . day ~~of . DECEMBER~~ . . . 19 . .59 . .

Signed by . . . . . .

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

. . . . . Attention is drawn to Section 60 subsections 2 and 3
. . . . . of the Territorial Oil and Gas Regulations. . . . . .
. . . . . .
. . . . . .
. . . . . .

21 Dec., 1959. . . . . .
Date

. . . . . .
Oil Conservation Engineer.

(To be submitted in triplicate to the Oil Conservation Engineer at least 15 days prior to the commencement of drilling)

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

EDMONTON — CALGARY — REGINA — FORT ST. JOHN

March 15, 1960

Laboratory Report Number C2757

Alexander Falls #1

(2145.0' - 2163.6')

CGL 50

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

10568 - 114 St.

EDMONTON, ALBERTA

PHONES 25624 42562

FULL DIAMETER CORE STUDY

OPERATOR Murphy-Canada Oil Company FIELD Northwest Territories WELL NO. Alexander Falls #1

LOCATION 116° 51' 30" W. Long. 67° 04' 30" N. Lat. FORMATION --- DEPTHS 2145.0'-2163.6' DATE March 15, 1960 LAB NO. C2757

Footage of --- formation cored	---	No. of representative samples selected for analysis	10.
FEET OF CORE:			
Received at laboratory for analysis	18.6'	Compared (to tested samples)	7.2'
		Dense sections not represented	---
Represented by samples	11.4'	Badly fractured sections not represented	---
SUMMARY OF REPRESENTED SECTIONS:		(1) represented/received 18.6/18.6 (2) represented/cored 18.6/---	
Weighted average porosity	2.20 %	Maximum porosity	5.7 %
Weighted average K_H permeability	0.01 md.	Minimum porosity	1.0 %
Weighted average K' permeability (on 16.6')	<0.01 md.	Maximum K_H permeability	0.05 md.
Weighted average vertical permeability	<0.01 md.	Minimum K_H permeability	<0.01 md.
Weighter average maximum permeability	0.01 md.	Maximum vertical permeability	<0.01 md.
Porosity Feet	40.88	Minimum vertical permeability	<0.01 md.

CORE WITH MAXIMUM PERMEABILITY:	10.0 md. or greater	between 1.0 and 9.9 md. inclusive	less than 1.0 md.
Footage			18.6'
Weighted average porosity	%	%	2.20 %
Weighted average K_H permeability	md.	md.	0.01 md.
Weighted average vertical permeability	md.	md.	<0.01 md.
Porosity feet			40.88

CGL 30

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

Operator Murphy-Canada Oil Company Well No. Alexander Falls #1 Lab. No. C2757 Date March 15, 1960

Sample Number	Midpoint of Sample in Ft.	Representative of Feet	Footage Rep.	Permeability md. Vertical	K_H	K'	% Porosity	Porosity Feet	Description
	Core Number 1								
1	2145.4	2145.0-2146.0	1.0	<0.01	<0.01	<0.01	2.2	2.20	R1 D C
2	2146.2	2146.0-2147.0	1.0	<0.01	0.05	<0.01	3.4	3.40	R2 D SV C
3	2147.7	2147.0-2148.0	1.0	<0.01	<0.01	<0.01	2.5	2.50	R2 D C
4	2148.5	2148.0-2149.0	1.0	<0.01	<0.01	<0.01	4.0	4.00	R2 D SV C
5	2149.5	2149.0-2150.0	1.0	<0.01	<0.01	<0.01	4.2	4.20	R2 D SV C
6 *	2150.5	2150.0-2151.0	1.0	<0.01	0.02	—	5.7	5.70	R2 D SV C VF
7*	2151.7	2151.0-2152.0	1.0	<0.01	<0.01	—	1.6	1.60	R2 D C VF
Similar to #8		2152.0-2153.0	1.0	<0.01	<0.01	<0.01	1.1	1.10	R2 D C VF
8	2153.4	2153.0-2154.0	1.0	<0.01	<0.01	<0.01	1.1	1.10	R2 D C VF
Similar to #8		2154.0-2155.6	1.6	<0.01	<0.01	<0.01	1.1	1.76	R2 D C VF
Similar to #9		2155.6-2157.0	1.4	<0.01	<0.01	<0.01	2.4	3.36	R2 D C VF
Similar to #9		2157.0-2158.0	1.0	<0.01	<0.01	<0.01	2.4	2.40	R2 D C VF
9	2158.6	2158.0-2159.4	1.4	<0.01	<0.01	<0.01	2.4	3.36	R2 D C VF
Similar to #10		2159.4-2161.0	1.6	<0.01	<0.01	<0.01	1.0	1.60	R2 D C
10	2162.0	2161.0-2163.0	2.0	<0.01	<0.01	<0.01	1.0	2.00	R2 D C
Similar to #10		2163.0-2163.6	0.6	<0.01	<0.01	<0.01	1.0	0.60	R2 D C

* Conventional Small Plug Analysis.

CORE DESCRIPTION SYMBOLS

R1	Slightly reactive to cold 15% HCl
R2	Reactive to cold 15% HCl
D	Dense
C	Cracks
SV	Slightly Vuggy
VF	Open Vertical Fracture
K_H	Maximum Horizontal Permeability
K'	Taken 90° to the Horizontal Permeability

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 49 DATE FEB 28/60

WELL: Murphy Canada Alex #1
LOCATION: 60°38'N 116°54'W
FIELD OR AREA: Wildcat
PROVINCE: N.W.T.

CONTRACTOR: Peter Bawden Drlg
RIG No: 11 DERRICK: Lee C. Moore
SIZE: 4 1/2 TYPE TOOL JOINT: F.H.
PRIME MOVERS:

PUMPS NO	MANUFACTURER	LINER	STROKE
1	Oilwell 214P	6 1/2	14
2			
3			

	SIZE	WEIGHT	GRADE	NO. JTS.	B. MK.
LAST CASING	8 5/8	24	J-55	10	A.S.
TUBING OR LINER	SET AT 338	CEMENT 190	REMARKS 3% C.C.		

TIME DISTRIBUTION – HOURS

	MORN.	DAY.	EVE.
	2 1/4		
	1/4	1 3/4	
	1/4	1/4	
	1 1/2	1 1/2	
	4 1/2	5 1/2	
TOTAL	8	8	

TIME SUMMARY

TOTAL DAY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE

REMARKS

MORNING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR: STANDS D.P. / SINGLES D.P. / D.C. / D.C. / SUBS / BIT OR C.B. / KELLY DOWN / TOTAL / WT. OF STRING

BIT RECORD: BIT NO. / SIZE / MFG. / TYPE / NOZ. / SER. NO. / DEPTH OUT / DEPTH IN / TOTAL FTG. / TOTAL HR. RUN / COND. OF BIT / REAMER TYPE

MUD RECORD: TIME / WEIGHT / VISC. SEC. / PLTN. CR. / PH / CONT. % / MUD & CHEMICALS ADDED

Plug #3 From 2350 To 2000'
130 sks cement 4% gel & 1% CACL.
Plug down 10 30 A.M.
Displaced Plug with 26 BBLS Mud. Felt Plug at 1814'

DAY TOUR FROM TO

PLUG #3 FELT PLUG AT 1814'

EVENING TOUR FROM TO

PLUG #4
440 – 238 cemented with 65 sk cement 4% gel 4% CACL. Plug down 5 30 P.M. Felt Plug at 245
10 00 P.M.
Released Feb 28/60 C. Drew

FOOTAGE / CORE / FORMATION (SHOW CORE RECOVERY) / WT. ON BIT / PUMP PRESS / PUMP NO. / LINER SIZE / G.P.M. / METHOD

DEVIATION RECORD: DEPTH / DEV. / DIRECTION

TIME LOG: FROM / TO / ELAPSED TIME / DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	12 15	1/4	Ser Rig
12 15	2 00	1 3/4	Circ & Run Plug #1
2 00	2 15	1/4	Run Plug #1
2 15	2 45	1/2	Pull up & Circ to Run Plug #2
2 45	3 00	1/4	Run Plug #2
3 00	3 15	1/4	Pull up to 2200'
3 15	8 00	4 3/4	Circ – W.O.C.

STEEL LINE MEASUREMENT / SHOULD READ / DRILLER: J. Ulkersmeyer

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	8 15	1/4	Rig Ser
8 15	9 15	1	Wait on Cement
9 15	9 30	1/2	Run in Felt Plug #2 @ 2368
9 30	10 00	1/2	Circ
10 00	10 30	1/2	Run Plug No 3.
10 30	11 00	1/2	Pull 12 STDS
11 00	11 30	1/2	Circ

11 30 – 3 00 Wait on Cement
Laying Down Pipe
3 00 – 3 30 Run in Felt
W/at Plug @ 1814
3 30 – 4 00 1/2 Lay Down D. Pipe

STEEL LINE MEASUREMENT / SHOULD READ / DRILLER: J. Ulkersmeyer

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 48 DATE FEB 22/60

WELL: MURPHY CANADA OIL ALEF1
LOCATION: 60° 38N 116° 54W
FIELD OR AREA: WILDCAT
PROVINCE: N.W.T.
CONTRACTOR: PETER BAWDEN DRLG CO
RIG NO: 11 DERRICK: LEE C MOORE
PRIME MOVERS:
DRILL STRING: SIZE 4½ TYPE TOOL JOINT F.H.

PUMPS	NO.	MANUFACTURER	LINER	STROKE
	1	OILWELL	6½	14
	2		2	
	3			

	SIZE	WEIGHT	GRADE	NO. JTS	NO. HD
LAST CASING	8⅝	24	J-55	10	0.55
TUBING					
ON LINER					

	DEPTH	CEMENT	REMARKS
LAST CASING	338	190	490 CACKR

TIME DISTRIBUTION – HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CIRCULATING MUD & CIRCULATING	8¾		
TRIPPING	2¼		3½
REPAIRS	¼		1
DEVIATION SURVEY			
SLIPPING D.P.			
CUT OFF DRILLING LINE			
[illegible]			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			1½
OTHER	2¼		2
REMARKS			
COMPLETION WORK: A. PERFORATING			
B. RUNNING TUBING			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	9		8

TIME SUMMARY
DAY WORK
HRS. W/P
HRS. W/O/P
HRS.

TOTAL DAY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE

REMARKS

MORNING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR: NO. / STANDS D.P. FT. / SINGLES D.P. FT. / D.C. ID. O.D. FT. / D.Z. I.D. O.D. FT. / SUBS O.D. FT. / BIT OR C.B. FT. / KELLY DOWN FT. / TOTAL FT. / WT. OF STRING LBS.

BIT RECORD: BIT NO. / SIZE / MFG. / TYPE / NOZ. NO. / SIZE / SER. NO. / DEPTH OUT / DEPTH IN / TOTAL FTG. / TOTAL HR. RUN / COND. OF BIT / REAMER NO. / REAMER TYPE

MUD RECORD: TIME 100 300 / WEIGHT 9.0 9.0 / VISC. SEC. High / W.L. C.C. 16 / FILTR. CK. 2 / PH 10.5 / SP. CONT. %

MUD & CHEMICALS ADDED: GEL 1200

FOOTAGE FROM	TO	DR. B. RUN NO. CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD DRILL, PARTIAL, P. CONVERTED
	3137											

DEVIATION RECORD: DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	1215	¼	SER RIG CHECK BOP.
1215	400	3¾	CIRC ~~[illegible]~~ Cond. Mud & Hole.
~~400~~	~~545~~	~~1¾~~	~~TO TEST~~
400	545	1¾	BLOW KELLY PULL OUT TO Lag
545	730	1¾	PUK UP TOOL & MAKE up.
730	800	½	RUN IN HOLE.

STEEL LINE MEASUREMENT: SHOULD READ: DRILLER: B. Van Tighem

DAY TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR: NO. / STANDS D.P. / SINGLES D.P. / D.C. ID. O.D. FT. / D.C. ID. O.D. FT. / D.C. O.D. FT. / D.C. O.D. FT. / D.C. O.D. FT. / SUBS O.D. FT. / BIT OR C.B. FT. / KELLY DOWN FT. / TOTAL FT. / WT. OF STRING LBS.

BIT RECORD: BIT NO. / SIZE / MFG. / TYPE / NOZ. NO. / SIZE / SER. NO. / DEPTH OUT / DEPTH IN / TOTAL FTG. / TOTAL HR. RUN / COND. OF BIT / REAMER NO. / REAMER TYPE

MUD RECORD: TIME / WEIGHT / VISC. SEC. / W.L. C.C. / FILTR. CK. / PH / SP. CONT. %

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.

TEST #1 FROM 2608 TO 2648
TEST O.K. RECOVERED 2280' salty
SULFUR WATER.
30 MIN INTIAL SHUT 1100 PSI
OPEN 60 MIN. HYDOSTATIC 1300
FLOWING PRESS. 800 – 1100
FINAL SHUT IN 30 MIN. 1120 P.S.I.

FOOTAGE FROM	TO	DR. B. RUN NO. CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD DRILL, PARTIAL, P. CONVERTED

DEVIATION RECORD: DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	
800	815	1/4	SER-CHECK B.OPS	1⁵⁰-3¹⁵-BREAK DOWN
815	915	1	RUN IN W/PACKER	AND MAKE UP TOOL TO
915	930	1/4	RIG UP TESTER	RUN TEST #2
930	1000	1/2	INITIAL SHUT IN	
1000	1100	1	TOOL OPEN	3¹⁵-4⁰⁰ REMOVE IN
1100	1130	½	FINAL SHUT IN	W/PACKER #2
1130	1215	1 3/4	PULL OUT W/PACKER	

STEEL LINE MEASUREMENT: SHOULD READ: DRILLER: J. Thompson

EVENING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR: NO. / STANDS D.P. FT. / SINGLES D.P. FT. / D.C. ID. O.D. FT. / D.C. ID. O.D. FT. / D.C. O.D. FT. / D.C. O.D. FT. / D.C. O.D. FT. / SUBS O.D. FT. / BIT OR C.B. FT. / KELLY DOWN FT. / TOTAL FT. / WT. OF STRING LBS.

BIT RECORD: BIT NO. / SIZE / MFG. / TYPE / NOZ. NO. / SIZE / SER. NO. / DEPTH OUT / DEPTH IN / TOTAL FTG. / TOTAL HR. RUN / COND. OF BIT / REAMER NO. / REAMER TYPE

MUD RECORD: TIME / WEIGHT / VISC. SEC. / W.L. C.C. / FILTR. CK. / PH / SP. CONT. %

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.

TEST #2 2099-2189
Recovered 30' MUD
420 ft. WATER.
HYDO 1175
1 MIN OPEN
FLOWING PRESS 100-250 PSI.
HYDROSTATIC 1175
FINAL SHUT IN 30 MIN.
950 P.S.I.

FOOTAGE FROM	TO	DR. B. RUN NO. CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD DRILL, PARTIAL, P. CONVERTED
	3137 T.D.											

DEVIATION RECORD: DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	
400	430	1/2	FINISH IN	930-10³⁰ THAW OUT KELL
430	445	1/4	RIG UP HEAD	10³⁰-12⁰⁰ RUN IN OPEN END
445	600	1 1/4	TESTING	
600	700	1	HOISTING	
700	815	1 1/4	LAY DOWN LAPDRILL TOOL	
815	845	½	FINISH OUT	
845	930	3/4	LAY DOWN D.C.	

STEEL LINE MEASUREMENT: SHOULD READ: DRILLER: [illegible]

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 47 DATE FEB 26/60

WELL	LOCATION	FIELD OR AREA	PROVINCE
MURPHY CANADA ALEX #1	60 38 N 116° 54 W	WILDCAT	N.W.T.

CONTRACTOR	RIG NO.	DERRICK
PETER BAWDEN DRILLING CO.	11	LEE C MOORE

PUMPS	NO.	MANUFACTURER	LINER	STROKE
	1	OILWELL	6½	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS.	COND. NO
LAST CASING	8⅝	24	J-55	10	J-55
TUBING OR LINER	SET AT 338	CEMENT 190	REMARKS 4% CACL2		

DRILL PIPE STRING	SIZE	TIPE TOOL JOINT	PRIME MOVERS
	4½	F-H.	

TIME DISTRIBUTION — HOURS

	MORN.	DAY	EVE
No. of Hr. Tour Work			
Drilling Actual			
Reaming			
Conditioning and Circulating	7½	6	
Trips	1½	1	
Service	½	¼	
Deviation Survey			
Cut Drill Line	½		
Rig Repairs		3¼	
Wire Line Logging	1	5¼	
Running Casing & Cementing	4		
Waiting on Stores		23¼	
Drill Stem Test			
Other			
Fishing			
Operations Report: A. Perforating			
B. Testing Tops			
C. Swabbing			
D. Testing			
E. Additional			
Totals		8	

TIME SUMMARY

Day Work			
Hrs. on/on			
Hrs. off/on			
Hrs.			
Total Day Work			

Signature of Contractor's Representative

Signature of Operator's Representative

Remarks

MORNING TOUR FROM TO

No.	Drilling Assembly at End of Tour		Bit Record	
45	Stands D.P.	2694.14	Bit No.	18
1	Singles D.P.	30.03	Size	8⅝
12	D.C. 6⅛ O.D.	372.07 ft.	Mfg.	HTC
	D.S.		Type	WTR
	I.D. O.D.	ft.	Noz. No.	CUT
	O.D.	ft.	Size	OUT
	O.D.	ft.	Ser. No.	99725
	O.D.	ft.	Depth Out	3137
1	Subs 5⅝ O.D.	2.79	Depth In	3113
	Bit or E.D.	ft.	Total Fts.	24
	Kelly Depth	38 ft.	Total Hr. Run	6¼
	Total	3137.03	Cond. of Bit	Good
	Wt. of String	61000 lb.	Reamer No.	
			Reamer Type	

Mud Record	
Time	
Weight	
Visc./Sec.	
W.L.C.C.	
Filtr. Ck.	
PH	
% Cont. %	

Mud & Chemicals Added			
Type	Amt.	Type	Amt.

Footage From	To	Drill Time Hrs.	Core No.	Formation (Show Core Recovery)	Rotary RPM	Wt. on Bit 1000#	Pump No. Liner Size	S.P.M.	Pump No. Liner Size	S.P.M.
	3137						6½			

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
1200	1215	¼	SER RIG & CHECK BOPS.
1215	100	¾	CIRC SAMPLE AT 3137 FT.
100	230	1½	PULL OUT TO LOG.
230	300	½	LAY DOWN CORE bbl FROM DERRICK
300	400	1	RIGGING UP SCHLUMBERGER
400	800	4	LOGGING

Steel Line Measurement — Should Read — Driller: B. Van Sighem

DAY TOUR FROM TO

No.	Drilling Assembly at End of Tour		Bit Record	
	Stands D.P.	ft.	Bit No.	
	Singles D.P.	ft.	Size	
	D.C. I.D. O.D.	ft.	Mfg.	
	D.C. I.D. O.D.	ft.	Type	
	O.D.	ft.	Noz. No.	
	O.D.	ft.	Size	
	Subs O.D.	ft.	Ser. No.	
	Bit or E.D.	ft.	Depth Out	
	Kelly Down	ft.	Depth In	
	Total	ft.	Total Ftg.	
	Wt. of String	lbs.	Total Hr. Run	
			Cond. of Bit	
			Reamer No.	
			Reamer Type	

Mud Record	
Time	
Weight	
Visc./Sec.	
W.L.C.C.	
Filtr. Ck.	
PH	
% Cont. %	

Mud & Chemicals Added			
Type	Amt.	Type	Amt.

Footage From	To	Drill Time Hrs.	Core No.	Formation (Show Core Recovery)	Rotary RPM	Wt. on Bit 1000#	Pump No. Liner Size	S.P.M.	Pump No. Liner Size	S.P.M.

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
800	1245	4¾	LOGGING
1245	115	½	TEAR OFF LOGGERS
115	400	2¾	W.O.D.

Steel Line Measurement — Should Read — Driller: G. Johnson

EVENING TOUR FROM TO

No.	Drilling Assembly at End of Tour		Bit Record	
45	Stands D.P.	2694.14	Bit No.	18
1	Singles D.P.	30.03	Size	7⅞
12	D.C. 6⅛ O.D.	372.07	Mfg.	HTC
	D.C. I.D. O.D.	ft.	Type	WTR
	O.D.	ft.	Noz. No.	CUT
	O.D.	ft.	Size	OUT
	O.D.	ft.	Ser. No.	R.R.
1	Subs 5⅝ O.D.	2.79	Depth Out	
	Bit or E.D.	ft.	Depth In	
	Kelly Down	38.00	Total Ftg.	
	Total	3137.00	Total Hr. Run	
	Wt. of String	65000	Cond. of Bit	
			Reamer No.	
			Reamer Type	

Mud Record	
Time	
Weight	
W.L.C.C.	
Filtr. Ck.	
Visc./Sec.	
PH	
% Cont. %	

Mud & Chemicals Added			
Type	Amt.	Type	Amt.

Footage From	To	Drill Time Hrs.	Core No.	Formation (Show Core Recovery)	Rotary RPM	Wt. on Bit 1000#	Pump No. Liner Size	S.P.M.	Pump No. Liner Size	S.P.M.
3137	T.D.			GRANITE						

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
400	415	¼	RIG SER. & BOPS.
415	500	¾	W/O PUMP.
500	530	½	RUN IN TO 1500'
530	600	½	CIRC @ 1500'
600	630	½	FINISH IN
630	1200	5½	CIRC & (CON MUD) TO TEST

Steel Line Measurement — Should Read — Driller: W. Hesselink

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 46 DATE FEB 25/60

WELL: MURPHY CANADA OIL ALEX #1

LOCATION: 60°38N 116°54W. FIELD OR AREA: WILDCAT PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRIG CO RIG NO. DERRICK: LEE, C, MOORE

PUMPS: 1 OILWELL 6½ 14; 2; 3

DRILL PIPE STRING: SIZE 4½ TYPE TOOL JOINT F.H. PRIME MOVERS

	SIZE	WEIGHT	GRADE	NO JTS	BRA. NO
LAST CASING	8⅝	24	J-55	10	10-55
TUSING OR LINER	338	190	4% CACL2		

TIME DISTRIBUTION — HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL		5½	6¼
REAMING			
CONDITIONING MUD & CIRCULATING	¼	½	
TRIPS	2¾	1¾	1½
SURVEYS	¼	¼	¼
DEVIATION GLASS			
U.G. BETTER	4¾		
CUT OFF & SLIP LINE			
REPAIRS			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
A. PERFORATING			
B. TRIPPING			
C. BRAKING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8		8

TIME SUMMARY

DAY WORK

NOS. W/DP

NOS. W/O DP

NOS.

TOTAL DAY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Gerry Stockings

REMARKS

MORNING TOUR FROM TO

No.	Drilling Assembly at end of tour		
45	Stands D.P.	2693.14	
	Singles D.P.		ft
	D.C.		
12	6¼ O.D.	372.07	
	D.C.		
	I.D. O.D.		ft
	O.D.		ft
	O.D.		ft
1	Subs 5⅝	2.79	
	Bit or C.B.		ft
	Kelly down	38	
	Total	3096.00	
	Wt. of string	61,000 lbs	

Bit record		
Bit no.	17	
Size	7⅞	
Mfg.	HTC	
Type	W7R	
Nozz. No.	CUT	
Size	OUT	
Serial no.	97920	
Depth out	3096	
Depth in	3075	
Total ftg.	21	
Total hr. run	6¼	
Cond. of bit	Good	
Reamer no.		
Reamer type		

Mud record			
Time			
Weight			
Visc. sec.			
W.L. c.c.			
Filtr. ch.			
pH			
Sol. cont. %			

Mud & chemicals added: Type / Amt / Type / Amt

PIPE Tally READS 3096.95
HEAS READS 3096.49
DIFF .46
NO CORRECTION MADE.

Footage From	To	Dr. D min-in core-c	Core no.	Formation (show core recovery)	Rotary rpm	Wt. on bit 1000#	Pump press	Pump no. liner size	S.P.M.	Pump no. liner size	S.P.M.	Method
	3096			GRANIT								

Deviation record: Depth / Dev. / Direction / Depth / Dev. / Direction / Depth / Dev. / Direction

Time log From	To	Elapsed time	Details of operations in sequence and remarks
1200	1215	¼	CIRC SAMPLE AT 3096 FT.
1215	200	1¾	PULL OUT & MEAS PIPE
200	645	4¾	WAITING ON LOGGING TRUCK.
645	700	4	SER RIG CHECK BLIND RAMS
700	800	1	RUN IN HOLE.

Steel line measurement: Should read: Driller: B. Van Lighen

DAY TOUR FROM TO

No.	Drilling Assembly at end of tour		
41	Stands D.P.	2694.09	
	Singles D.P.	30.03	
	D.C.		
12	6⅛ O.D.	372.07	
	D.C.		
	I.D. O.D.		ft
	O.D.		ft
	O.D.		ft
1	Subs 5⅝ O.D.	2.79	
	Bit or C.B.		ft
	Kelly down	14.02	
	Total	3113.00	
	Wt. of string	61,000	

Bit record		
Bit no.	17	
Size	7⅞	
Mfg.	H.T.C	
Type	W7R	
Nozz. No.	CUT	
Size	OUT	
Serial no.	97920	
Depth out	3113	
Depth in	3075	
Total ftg.	38	
Total hr. run	11¾	
Cond. of bit		
Reamer no.		
Reamer type		

Mud record		
Time	10 [redacted] 2.00	
Weight	8.6	8.6
Visc. sec.	H16	H
W.L. c.c.	23	23.2
Filtr. ch.	2/32	2/32
pH	10.5	10.5
Sol. cont. %		

Mud & chemicals added: Type / Amt / Type / Amt

Footage From	To	Dr. D min-in core-c	Core no.	Formation (show core recovery)	Rotary rpm	Wt. on bit 1000#	Pump press	Pump no. liner size	S.P.M.	Pump no. liner size	S.P.M.	Method
3096	3113	17D			70	32	450	6½	39			

Deviation record: Depth / Dev. / Direction / Depth / Dev. / Direction / Depth / Dev. / Direction

Time log From	To	Elapsed time	Details of operations in sequence and remarks
800	845	¾	FINISH RUNNING IN - BREAK CIRC @ 1900
845	900	¼	SER RIG - CHECK B.O.P.
900	230	3½	DRILLING AHEAD
230	300	½	CIRC UP SAMPLE
300	400	1	PULL OUT

Steel line measurement: Should read: Driller: J. Stevenson

EVENING TOUR FROM TO

No.	Drilling Assembly at end of tour		
45	Stands D.P.	2694.09	
1	Singles D.P.	30.03	
	D.C.		
12	6⅛ O.D.	372.07	
	D.C.		
	I.D. O.D.		ft
	O.D.		ft
	O.D.		ft
	O.D.		ft
1	Subs 5⅝ O.D.	2.79	
	Bit or C.B.		ft
	Kelly down	38.00	
	Total	3137.00	
	Wt. of string	62,000	

Bit record		
Bit no.	17	18
Size	7⅞	7⅞
Mfg.	HTC	HTC
Type	W7R	W7R
Nozz. No.	CUT	CUT
Size	OUT	OUT
Serial no.	97920	99725
Depth out	3113	
Depth in	3075	3113
Total ftg.	38'	24'
Total hr. run	11¾	6¼
Cond. of bit	Dull	Drlg
Reamer no.		
Reamer type		

Mud record			
Time	600	900	1200
Weight	9.0	9.0	9.0
Visc. sec.	16.00	15.4	15.4
W.L. c.c.			
Filtr. ch.	3/32	3/32	3/32
pH	High	High	High
Sol. cont. %	10.5	10.5	10.5

Mud & chemicals added: Type / Amt / Type / Amt: STARCH 400#

Footage From	To	Dr. D min-in core-c	Core no.	Formation (show core recovery)	Rotary rpm	Wt. on bit 1000#	Pump press	Pump no. liner size	S.P.M.	Pump no. liner size	S.P.M.	Method
3113	3137	D 2"		Sandstone & Granite	65	30	450	6½	38	V	V	V

Deviation record: Depth / Dev. / Direction / Depth / Dev. / Direction / Depth / Dev. / Direction

Time log From	To	Elapsed time	Details of operations in sequence and remarks
400	430	½	FINISH OUT
430	445	¼	RIG SER. JBOPS. OK
445	515	1	RUN IN
515	1200	6¼	DRLG

Steel line measurement: Should read: Driller: [illegible]

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 45 DATE FEB 24/60.

WELL	LOCATION	FIELD OR AREA	PROVINCE
MURPHY CANADA OIL BLEX #1	60° 38N 116° 54N	WILDCAT	N.W.T.

CONTRACTOR: PETER BAWDEN DRIG CO. RIG NO. 11 DERRICK: LEEC MOORE

PRIME MOVERS

PUMPS	NO	MANUFACTURER	LINER	STROKE
	1	O.L.WELL	6½	24
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS	DEPTH
LAST CASING	8⅝	24	J55	10	10-55
TUBING OR LINER	SET AT 338	CEMENT 190	REMARKS 4% CACHE		

DRILL PIPE STRING: SIZE 4½ TYPE TOOL JOINT F-H

TIME DISTRIBUTION – HOURS

	MORN	DAY	EVE
RIG UP OR TEAR DOWN			
DRILLING			
REAMING			
CIRCULATING			
TRIP		2	3/4
SERVICE	1/4	1/2	1/4
DEVIATION SURVEY	1/2	1/2	1/2
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR		1/2	
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER: CIRC SAMPLE			1/4
FISHING			
A. PERFORATING			
B. STANDING TRIPS			
C. REWORKING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY

DAY WORK

NON WORK

TOTAL DAY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE

REMARKS

MORNING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR		
44	STANDS D.P.	2633.08
	SINGLES D.P.	
12	D.C. 6⅛ O.D.	372.07
	D.C.	
1	SUB 5⅝ O.D.	2.79
	BIT OR C.B.	
	KELLY DOWN	3.3
	TOTAL	3046.94
	WT. OF STRING	40,000

BIT RECORD		
BIT NO.	16	
SIZE	7⅞	
MFG.	HTC	
TYPE	W7R	
NOZ.	OUT	
SIZE	5/32	
SER. NO.	11 88148 C	
DEPTH OUT		
DEPTH IN	2942	
TOTAL FTG.	94	
TOTAL HR. RUN	13½	
COND. OF BIT	IN	
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	1	4	7
WEIGHT	8.6	8.6	8.7
VISC. SEC.	25.2	25	24.8
FILTR. CR.	4½	4½	4½
PH	11.5	11.5	11.5
SO CONT. %	21	20	

MUD & CHEMICALS ADDED: SMALL STEAM WATER

FOOTAGE FROM	TO	DR. D RM.P CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD
2946	3040	54 FT		Dol & LIMESTONE 46	80	32	500	6½				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2942	1¼							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	1215	¼	SER RIG & CHECK BOPs.
1215	630	6½	DRILLING 88 190 4% CACHE
630	700	½	CIRC & SAMPLE.
700	800	1	DRILLING

STEEL LINE MEASUREMENT SHOULD READ DRILLER R. Van Tighem

DAY TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR		
44	STANDS D.P.	2633.08
1	SINGLES D.P.	30.50
12	D.C. 6⅛ O.D.	372.07
	D.C.	
1	SUB 5½ O.D.	2.79
	BIT OR C.B.	
	KELLY DOWN	36.55
	TOTAL	3095
	WT. OF STRING	62,000

BIT RECORD		
BIT NO.	16	17
SIZE	7⅞	7⅞
MFG.	H.T.C	H.T.C
TYPE	W7	W7R
NOZ.	CUT	CUT
SIZE	OUT	OUT
SER. NO.	88148	97920
DEPTH OUT	3075	
DEPTH IN	2942	3075
TOTAL FTG.	133	
TOTAL HR. RUN	18	
COND. OF BIT	DULL	
REAMER NO.		
REAMER TYPE		

MUD RECORD		
TIME	1000	1200
WEIGHT	8.8	8.8
VISC. SEC.	HIGH	HIGH
W.L.C.C.	28	26
FILTR. CR.	2/32	2/32
PH	12.5	12.5
SO CONT. %		

MUD & CHEMICALS ADDED: STARCH 200 lbs; PERS 500 lbs

FOOTAGE FROM	TO	DR. D RM.P CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD
3040	3075	35	1		80	38	500	6½	34			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3075	1°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	815	¼	DRILLING
815	845	½	SER RIG – CHECK B.O.Ps
845	100	4½	DRILLING
100	130	½	SURVEY
130	245	1¼	PULL OUT FOR BIT
245	315	½	CHECK BLIND RAMS – CLEAN OUT PUMP.
315	400	¾	RUNNING IN W/BIT.

STEEL LINE MEASUREMENT SHOULD READ DRILLER G. Dekemeyer

EVENING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR		
45	STANDS D.P.	2693.14
	SINGLES D.P.	
12	D.C. 6⅛ O.D.	372.07
	D.C.	
1	SUB 5⅝ O.D.	2.79
	BIT OR C.B.	
	KELLY DOWN	28.00
	TOTAL	3096.00
	WT. OF STRING	62,000

BIT RECORD		
BIT NO.	17	
SIZE	7⅞	
MFG.	HTC	
TYPE	W7R	
NOZ.	OUT	
SIZE	OUT	
SER. NO.	97920	
DEPTH OUT	3096	
DEPTH IN	3075	
TOTAL FTG.	21	
TOTAL HR. RUN	6¼	
COND. OF BIT	IN	
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	600	800	1100
WEIGHT	8.8	8.8	8.8
VISC. SEC.	22.0	22.4	22.4
W.L.C.C.	2/32	2/32	1/4
FILTR. CR.			
PH	HIGH	HIGH	HIGH
SO CONT. %	12.5	12.5	12.5

MUD & CHEMICALS ADDED: NIL

FOOTAGE FROM	TO	DR. D RM.P CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD
3075	3096	21	1	GRANITE	60	30	400	6½	52			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	415	¼	SER & BOPs.
415	500	¾	FINISH IN
500	1100	6¼	DRILL
1100	1200	¾	CIRC SAMPLE @ 3096

STEEL LINE MEASUREMENT SHOULD READ DRILLER [illegible]

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 44 DATE FEB 23/60

WELL: MURPHY CANADA OIL ALEX #1

LOCATION: 60° 38N 116° 54N

FIELD OR AREA: WILDCAT

PROVINCE: NWT

CONTRACTOR: PETER BAWDEN DRLG CO

RIG NO. 11 DERRICK: LEE C MOORE

PUMPS NO	MANUFACTURER	LINER	STROKE
1	OILWELL	6½	14
2			
3			

	SIZE	WEIGHT	GRADE	NO. JTS.	CSG. HD.
LAST CASING	8⅝	24	J-55	10	10-55
SET AT	CEMENT	REMARKS			
338	190	4% CACL2			

DRILL PIPE STRING	SIZE	TYPE TOOL JOINT	PRIME MOVERS
	4½	F.H.	

TIME DISTRIBUTION – HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¼	4¾	6¼
REAMING			
CONDITIONING MUD & CIRCULATING	1		
TRIPS	½	1½	1¼
SERVICE	¼	¼	¼
DEVIATION SURVEY		½	
TEST B.O.P.			
CUT OFF DRILLING LINE		1	
REPAIRS		½	¼
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
CONVERTING TO DAY TOUR FROM MORNING TOUR FROM: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY

	MORN	DAY	EVE
DAY WORK			
MIND. W/DP			
MIND. W/O/DP			
MIND.			
TOTAL DAY WORK			

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE: [illegible]

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [illegible]

REMARKS

MORNING TOUR FROM 0 TO 8

DRILLING ASSEMBLY AT END OF TOUR		
42	STANDS D.P.	2512.09
	SINGLES D.P.	FT.
12	D.C. 6⅛ O.D.	372.07
	D.C. I.D. O.D.	FT.
	O.D.	FT.
	O.D.	FT.
1	SUB 5¾ O.D.	2.79
	BIT OR C.B.	FT.
	KELLY DOWN	32.
	TOTAL	2920.75
	WT. OF STRING	60,000

BIT RECORD	
BIT NO.	15
SIZE	7⅞
MFG.	HTC
TYPE	OWJ
NOZ. NO.	CUT
SIZE	OUT
SER. NO.	7403
DEPTH OUT	
DEPTH IN	2850
TOTAL FTG.	
TOTAL HR. RUN	10½
COND. OF BIT	IN
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	3	5	7
WEIGHT	8.7	8.8	8.8
VISC. SEC.	H.G.H		
W.L.C.C.	11.6	11.8	11.8
FILTR. CK.		3/32	
pH	11.5	11.5	11.5
SOL. CONT. %			

MUD & CHEMICALS ADDED: TYPE / AMT / TYPE / AMT

FOOTAGE FROM	TO	DR. D. OR R. CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD DOL-D PUMPED P CORED-C
2687	2920			Dol + Limestone	90	30	400	6½	58			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	244	°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
	1230	½	CIRC 60 STDS OFF BOTTOM.
1230	1245	¼	SER RIG & CHECK BOPS.
1245	100	¼	RUN IN 5 STDS
100	130	½	CIRC 5 STDS OFF BOTTOM.
130	145	¼	RUN IN TO BOTTOM.
145	800	6¼	DRILLING

STEEL LINE MEASUREMENT: SHOULD READ: DRILLER: B. Van Tighem

DAY TOUR FROM 8 TO 16

DRILLING ASSEMBLY AT END OF TOUR		
42	STANDS D.P.	2512.09
1	SINGLES D.P.	30.04
12	D.C. 6⅛ O.D.	372.07
	D.C. I.D. O.D.	FT.
	O.D.	FT.
	O.D.	FT.
1	SUB 5¾ O.D.	2.79
	BIT OR C.B.	FT.
	KELLY DOWN	26.01
	TOTAL	2942
	WT. OF STRING	60,000

BIT RECORD	
BIT NO.	15
SIZE	7⅞
MFG.	H.T.C.
TYPE	OWJ
NOZ. NO.	CUT
SIZE	OUT
SER. NO.	7403
DEPTH OUT	2942
DEPTH IN	2850
TOTAL FTG.	92
TOTAL HR. RUN	15
COND. OF BIT	DULL
REAMER NO.	
REAMER TYPE	

MUD RECORD	
TIME	900
WEIGHT	8.8
VISC. SEC.	HIGH
W.L.C.C.	12.0
FILTR. CK.	3/32
pH	11.5
SOL. CONT. %	

MUD & CHEMICALS ADDED: TYPE / AMT / TYPE / AMT

FOOTAGE FROM	TO	DR. D. OR R. CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD DOL-D PUMPED P CORED-C
2920	2942	22	D	Dol + Limestone	80	30	400	6½	30			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2942	1¾°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	930	1½	DRILLING
930	945	¼	SER RIG – CHECK B.O.P.s
945	1230	2¾	DRILLING
1230	100	½	SURVEY
100	230	½	PULL OUT FOR BIT
230	330	1	SLIP + CUT DRILLING LINE – 147'
330	400	½	WORK ON PUMP

STEEL LINE MEASUREMENT: SHOULD READ: DRILLER: J. Obermeyer

NIGHT TOUR FROM 16 TO 24

DRILLING ASSEMBLY AT END OF TOUR		
43	STANDS D.P.	2531.14
	SINGLES D.P.	FT.
12	D.C. 6⅛ O.D.	372.07
	D.C. I.D. O.D.	FT.
	O.D.	FT.
	O.D.	FT.
1	SUB 5¾ O.D.	2.79
	BIT OR C.B.	FT.
	KELLY DOWN	42.00
	TOTAL	2984.00
	WT. OF STRING	62,000

BIT RECORD	
BIT NO.	16
SIZE	7⅞
MFG.	HTC
TYPE	W7
NOZ. NO.	CUT
SIZE	OUT
SER. NO.	88148
DEPTH OUT	
DEPTH IN	2942
TOTAL FTG.	44'
TOTAL HR. RUN	6¼
COND. OF BIT	IN
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME	700	800	10-30
WEIGHT	9.1	9.1	8.9
W.L.C.C.	19.8	19.8	24.2
FILTR. CK.	2/32	2/32	2/32
VISC. SEC.	Very High	High	High
pH	9.0	9.0	9.0
SOL. CONT. %			

MUD & CHEMICALS ADDED: TYPE / AMT / TYPE / AMT

Nil

Sample Steam Water

FOOTAGE FROM	TO	DR. D. OR R. CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD DOL-D PUMPED P CORED-C
2942	2986	D		Dol + Limestone	85	30	400	6½	38	/	/	S
		44'										

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2942	1¾°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	415	¼	RIG SER ✓ BOPs. OK
415	430	¼	W/O Pump.
430	545	1¼	RUN IN BREAK CIRC @ 460'
545	1200	6¼	DRLG

STEEL LINE MEASUREMENT: SHOULD READ: DRILLER: [illegible]

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 43 DATE FEB 22/60

WELL: MURPHY CANADA ALEY #1

LOCATION: 60°38N 116°54N

FIELD OR AREA: WILDCAT

PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRLG CO

RIG NO. 11 DERRICK: LEE & MOORE

PRIME MOVERS

DRILL PIPE	SIZE	TYPE TOOL JOINT
	4½	F.H.

PUMPS NO.	MANUFACTURER	LINER	STROKE
1	OILWELL	6½	14
2			
3			

	SIZE	WEIGHT	GRADE	NO. JTS.	NO. DIA. HOLE
LAST CASING	8⅝	24	J-55	10	J-55
TUBING OR LINER	SET AT 338	CEMENT 190	REMARKS 4% CACHE		

TIME DISTRIBUTION - HOURS

	MORN	DAY	EVE
Drilling actual	2¾	1½	NIL
Conditioning mud & circulating	4½	5¼	6¾
Reaming	¼	1	1
Surveying	¼	¼	¼
Totals	8	8	8

TIME SUMMARY

TOTAL DAY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Geoff Nikonze

MORNING TOUR FROM TO

No.	Drilling Assembly at end of tour		
41	Stands D.P.		2493.72
1	Singles D.P.		29.60
12	D.C. 6⅛ O.D.		372.07
	D.C. I.D. O.D.	FT.	
	O.D.	FT.	
	O.D.	FT.	
1	Subs 5⅝ O.D.		2.79
	Bit or C.B.	FT.	
	Kelly down		26.
	Total		2883.00
	Wt. of string		60,000

Bit record	
Bit no.	15
Size	7⅞
Mfg.	H.T.C.
Type	OWV
Nozzles No.	CUT
Size	OUT
Ser. no.	7403
Depth out	
Depth in	2850
Total ftg.	33
Total hr. run	4
Cond. of bit	1N
Reamer no.	
Reamer type	

Mud record			
Time			
Weight	9		
Visc. sec	High	Last	
W.L. c.c.	16.6	Circ	
Filtr. cr.	½		
pH	11		
Cont. %			

Mud & chemicals added

Type	Amt	Type	Amt
GEL	52		
OAKDATE	20 SKS		
PALCO SEL	16 SKS		
SAWDUST	37 BAGS		
CAUSTIC SODA	400 lbs.		

Footage From	To	Drill time min/in core-c	Core no.	Formation (Show core recovery)	Rotary rpm	Wt. on bit 1000#	Pump pressure	Pump no. Liner size	S.P.M.	Pump no. Liner size	S.P.M.	Method
2561	2883	22		DOL & LIMESTONE	80	30	500	6½	64			

Deviation record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Time log From	To	Elapsed time	Details of operations in sequence and remarks
1200	1215	¼	SER RIG
1215	300	2¾	DRILLING
300	330	½	LAST CIRC PULL 12 STANDS OFF BOTTOM
330	800	4½	BUILDING UP VOLUME, MAKING A BELL PACK PLUG.

Steel line measurement | Should read | Driller: B. Van Sighem

DAY TOUR FROM TO

No.	Drilling Assembly at end of tour		
41	Stands D.P.		2452.54
1	Singles D.P.		29.60
12	D.C. 6⅛ O.D.		372.07
	D.C. I.D. O.D.	FT.	
	O.D.	FT.	
	O.D.	FT.	
1	Subs 5⅝ O.D.		2.79
	Bit or C.B.	FT.	
	Kelly down		31.98
	Total		2889.
	Wt. of string		60,000

Bit record	
Bit no.	15
Size	7⅞
Mfg.	H.T.C.
Type	OWV
Nozzles No.	CUT
Size	OUT
Ser. no.	7403
Depth out	
Depth in	2850
Total ftg.	39
Total hr. run	4½
Cond. of bit	
Reamer no.	
Reamer type	

Mud record	
Time	
Weight	
Visc. sec	
W.L. c.c.	
Filtr. cr.	
pH	
Cont. %	

Mud & chemicals added

Type	Amt	Type	Amt
CAUSTIC	200 lbs		
D. FUEL	28 BRLS		
SAWDUST	106 SKS		
GEL	3700 lbs		
PALCO SEAL	14 SKS		
LIME	250 lbs		
OAKLITE	500 lbs		

Footage From	To	Drill time min/in core-c	Core no.	Formation (Show core recovery)	Rotary rpm	Wt. on bit 1000#	Pump pressure	Pump no. Liner size	S.P.M.	Pump no. Liner size	S.P.M.	Method
2883	2889	61			80	30	550	6½	65			

Deviation record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Time log From	To	Elapsed time	Details of operations in sequence and remarks
800	815	¼	SER. RIG - CHECK B.O.P.S
815	1030	2¼	BUILD BEL PACK PLUG #3
1030	11	½	RUN IN - BREAK CIRC
11	1130	½	DRILLING - ADDING MUD
1130	1230	1	TRYING TO FILL TO FIND OUT RATE OF MUD LOSS
1230	100	½	PULL UP 14 STANDS
100	400	3	BUILD BELPACK PLUG #4 IN FUNCTION TANK ONLY

Steel line measurement | Should read | Driller: J. Vermeyen

EVENING TOUR FROM TO

No.	Drilling Assembly at end of tour		
26	Stands D.P.		1586.04
1	Singles D.P.		29.64
12	D.C. 6⅛ O.D.		372.07
	D.C. I.D. O.D.	FT.	
	O.D.	FT.	
	O.D.	FT.	
1	Subs 5⅝ O.D.		2.79
	Bit or C.B.	FT.	
	Kelly down		42.00
	Total		1997.00
	Wt. of string		48,000

Bit record	
Bit no.	15
Size	7⅞
Mfg.	HTC
Type	OWV
Nozzles No.	CUT
Size	OUT
Ser. no.	7403
Depth out	
Depth in	2850
Total ftg.	33
Total hr. run	4½
Cond. of bit	1N
Reamer no.	
Reamer type	

Mud record			
Time			
Weight			
W.L. c.c.			
Filtr. cr.			
Visc. sec	High	High	High
pH			
Cont. %			

Mud & chemicals added

Type	Amt	Type	Amt
PALCO SEAL	3 SKS		

Footage From	To	Drill time min/in core-c	Core no.	Formation (Show core recovery)	Rotary rpm	Wt. on bit 1000#	Pump pressure	Pump no. Liner size	S.P.M.	Pump no. Liner size	S.P.M.	Method
2889	NIL	D					350	6½	48			

Deviation record: Depth 2740 | Dev. 2° | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Time log From	To	Elapsed time	Details of operations in sequence and remarks
400	415	¼	RIG SER. & BOP.
415	445	½	BUILDING BEL PACK PLUG #4
445	515	½	RUN IN
515	645	1½	PRESSURE BELPACK PLUG. 400# CIR. LOOSING MUD.
645	715	½	PULL 15 STDS.
715	1200	4¾	CIRC + W/O ORDERS

Steel line measurement | Should read | Driller: Geoff Nikonze

MUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 42 DATE FEB 21/60

WELL: MURPHY CANADA ALEX #1
LOCATION: 60° 38N 116° 54'N
FIELD OR AREA: WILDCAT
PROVINCE: N.W.T.

CONTRACTOR: PETER BROWDEN DRLG Co.
RIG NO. 11 DERRICK: LEEC MOORE

PUMPS	NO.	MANUFACTURER	LINER	STROKE
	1	OILWELL	6½	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS.	AB CSG. NO.
LAST CASING	8⅝	24	J-55	10	10-55
TUBING OR LINER	338	190	40/0	CACHE	

DRILL PIPE STRING: SIZE 4½ TYPE TOOL JOINT F.H. PRIME MOVERS

TIME DISTRIBUTION — HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6½	3¾	5¾
REAMING			
CONDITIONING MUD & CIRCULATING		3	
TRIPS	1½	1	2
SERVICE	¼	1¼	¾
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
RIGS &			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
CORRECTION RUNS: A. PERFORATING			
B. TRIPPING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS		8	8

TIME SUMMARY: DAY WORK; MIND. W/TOP; MIND. W/O/BOP; MIND.; TOTAL DAY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE: Dennis MacKenzie

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Dennis MacKenzie

REMARKS

MORNING TOUR FROM TO

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD				FOOTAGE FROM	TO	DR. D OR R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD
40	STANDS D.P.	2392.45	BIT NO.	RERUN	TIME	3	5	7	2746	2794	8		LIMESTONE &	80	30	350	6½	64			
	SINGLES D.P.	FT.	SIZE	7⅞	WEIGHT	9.2	9.2	9.2			54		BRIHY								
	D.C.		MFG.	HTC	MUD. DES.	High															
12	6⅛ O.D.	372.07	TYPE	OSC	W.L.C.C.	10.0		10.0													
	D.C.		NOZ.	CUT	FILTR. CK.	2/32		2/32													
	I.D. O.D.	FT.	SIZE	OUT	—	11.5		11.5													
	O.D.	FT.	SER. NO.	94447																	
	O.D.	FT.	DEPTH OUT																		
	O.D.	FT.	DEPTH IN	2746																	
1	SUBS 5⅝ O.D.	2.79	TOTAL FTG.	54																	
	BIT OR C.B.	FT.	TOTAL HR. RUN	6½																	
			COND. OF BIT	RUN																	
	KELLY DOWN	27	REAMER NO.																		
	TOTAL	2794.26	REAMER TYPE																		
	WT. OF STRING	60,000 LBS.																			

MUD & CHEMICALS ADDED

TYPE	AMT	TYPE	AMT
STARCH	400		
PRESER	100		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	1215	¼	SER Rig CHECK Blind RAMS.
1215	130	1¼	MAKE UP BIT RUN IN
130	800	6½	DRILLING & MIXING Mud.

STEEL LINE MEASUREMENT: SHOULD READ: DRILLER: R. Harrington

DAY TOUR FROM TO

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD				FOOTAGE FROM	TO	DR. D OR R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD
40	STANDS D.P.	2392.40	BIT NO.	14	TIME	9.00			2794	2818	24			80	30	800	6½	64			
1	SINGLES D.P.	30.38	SIZE	7⅞	WEIGHT	9.2															
	D.C.		MFG.	HTC	MUD. DES.	HIGH															
12	6⅛ O.D.	372.07	TYPE	OSC	W.L.C.C.	10.6															
	D.C.		NOZ.	CUT	FILTR. CK.	2/32															
	I.D. O.D.	FT.	SIZE	OUT	—	11.5															
	O.D.	FT.	SER. NO.	RR 94447																	
	O.D.	FT.	DEPTH OUT																		
	O.D.	FT.	DEPTH IN	2740																	
1	SUBS O.D.	2.79 FT.	TOTAL FTG.	78																	
	BIT OR C.B.	FT.	TOTAL HR. RUN	10¼																	
			COND. OF BIT																		
	KELLY DOWN	21.36	REAMER NO.																		
	TOTAL	2818.00	REAMER TYPE																		
	WT. OF STRING	60,000 LBS.																			

MUD & CHEMICALS ADDED

TYPE	AMT	TYPE	AMT
GEL	4200 LBS		
SAWDUST	20 SKS		
BALCOSEAL	10 SKS		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	1015	2¼	DRILLING
1015	1030	¼	SER Rig — CHECK B.O.P.s
1030	1130	1	DRILLING — BOSINE MUD
1130	1200	½	PULL UP 15 STANDS
1200	300	3	COND MUD — BUILD UP VOLUME
300	330	½	RUN IN — BREAK CIRC
330	800	½	DRILLING

STEEL LINE MEASUREMENT: SHOULD READ: DRILLER: G. Hermeyer

EVENING TOUR FROM TO

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD			MUD RECORD				FOOTAGE FROM	TO	DR. D OR R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD
41	STANDS D.P.	2452.14	BIT NO.	14	15	TIME	400	630	1145	2818	2861	D		Sh. & LIMESTONE	82	30	450	6½	55	✓	✓
	SINGLES D.P.	FT.	SIZE	7⅞	7⅞	WEIGHT	9.0	9.0	9.0			43									
	D.C.		MFG.	HTC	HTC	W.L.C.C.	16.8	16.2	16.6												
12	6⅛ O.D.	372.07	TYPE	OSC	OWU	FILTR. CK.	2/32	2/32	2/32												
	D.C.		NOZ.	Cut	Cut	VISC. DES.	High	High	High												
	I.D. O.D.	FT.	SIZE	Out	Out	—	11.0	11.0	11.0												
	O.D.	FT.	SER. NO.	RR 94447	7423																
	O.D.	FT.	DEPTH OUT	2850																	
	O.D.	FT.	DEPTH IN	2740	2850																
1	SUBS 5⅝ O.D.	2.79	TOTAL FTG.	110	11																
	BIT OR C.B.		TOTAL HR. RUN	14¾	1¼																
			COND. OF BIT	Dull	IN																
	KELLY DOWN	34.00	REAMER NO.																		
	TOTAL	2861.00	REAMER TYPE																		
	WT. OF STRING	60,000																			

MUD & CHEMICALS ADDED

TYPE	AMT	TYPE	AMT
Nil			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2740	2°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
400	830	4½	DRLG
830	930	1	Pull Out
930	945	¼	RIG SER. / B.O.P.
945	1045	1	Run in
1045	1200	1¼	DRLG

STEEL LINE MEASUREMENT: SHOULD READ: DRILLER: J. W. Gilbertson

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 41 DATE FEB. 20/60

WELL: Murphy Canada Ltd Alex #1
LOCATION: 60°38'N 116°54'W
FIELD OR AREA: WILDCAT
PROVINCE: N.W.T.
CONTRACTOR: Peter Bawden Drlg Co.
RIG NO: 11
DERRICK: Lee C. Moore

PUMPS	NO.	MANUFACTURER	LINER	STROKE
	1	Oilwell	6½	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS.	SET AT
LAST CASING	8⅝	24	J-55	70	1055
TUBING OR LINER	3½	190	4⅝ CAGHZ		

DRILL PIPE STRING: SIZE 4½ TYPE TOOL JOINT FH. PRIME MOVERS

TIME DISTRIBUTION – HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	3½	5½	6
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS	1¾		1¼
SERVICE	¼	½	¼
DEVIATION SURVEY	½		½
TEST B.O.P.			
PUT OF DRILLING LINE			
REPAIRS	1½	2	
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
Core Sample	½		
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY

DAY WORK	
NPD. W/OP	
NPD. W/O/OP	
NPD	
TOTAL DAY WORK	

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Gerry Stremberger

REMARKS

MORNING TOUR FROM TO

No.	Drilling Assembly at End of Tour		Bit Record			Mud Record		
37	Stands D.P.	2211.95	Bit No.	12	13	Time	430	630 730
1	Singles D.P.	30.18	Size	7⅞	7⅞	Weight	9.0	9.0 9.
	D.C.		Make	HTC	HTC	Visc. Sec.	High	High
12	6⅛ o.d.	372.67	Type	OSC1G	OSC	W.L. cc	16.4	16.8
	D.C.		Nozz. No.	Out	Out	Filtr. cc.	2/32	2/32
	I.D. O.D.	FT	Size	Out	Out	pH	11.0	11.0
	O.D.	FT	Ser. No.	86761	58008	Sd. Cont. %		
	O.D.	FT	Depth Out	2605				
	O.D.	FT	Depth In	2550	2605			
1	Subs 5⅜ o.d.	2.79 FT	Total Ftg.	55	23			
	Bit or C.B.	FT	Total Hr. Run	8½	2¼			
			Cond. of Bit	Fair	In			
	Kelly Down	12.00	Reamer No.					
	Total	2627 FT	Reamer Type					
	Wt. of String	62,000 LBS						

Mud & Chemicals Added: Type / Amt / Type / Amt — W.L.

Footage From	To	Dr. o Ins. o Core-c	Core No.	Formation (Show Core Recovery)	Rotary RPM	Wt. on Bit 1000#	Pump Press	Pump No. Liner Size	S.P.M.	Pump No. Liner Size	S.P.M.	Method
2599	2628	D 29'		Jok Limestone Ash	80	22	425	6½	56	✓	✓	

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	2624								

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
12⁰⁰	1¹⁵	1¼	Drlg 6⁰⁰-6³⁰ ½ Survey
1¹⁵	2¹⁵	1	Pull Out 6³⁰-8⁰⁰ - 1½ W/O Pump
2¹⁵	2³⁰	¼	Rig Ser. Blocks OK
2³⁰	3¹⁵	¾	Run In
3¹⁵	4¹⁵	1½	Drlg
4¹⁵	5¹⁵	½	Circ Sample @ 2620
5¹⁵	6⁰⁰	¾	Drlg

Steel Line Measurement: Should Read: Driller: [illegible]

DAY TOUR FROM TO

No.	Drilling Assembly at End of Tour		Bit Record		Mud Record		
38	Stands D.P.	2271.85	Bit No.	13	Time	11	1 3
1	Singles D.P.	29.78	Size	7⅞	Weight	8.8	8.4 8.4
	D.C.		Make	HTC	Visc. Sec.	High	High
12	6⅛ o.d.	372.09	Type	OSC	W.L. cc	10.2	10.4 10.4
	D.C.		Nozz. No.	Out	Filtr. cc	2/32	2/32 2/32
	I.D. O.D.	FT	Size	Out	pH	11.5	11.5
	O.D.	FT	Ser. No.	58008	Sd. Cont. %		
	O.D.	FT	Depth Out				
	O.D.	FT	Depth In	2605			
1	Subs 5⅜ o.d.	2.79	Total Ftg.	85			
	Bit or C.B.	FT	Total Hr. Run	5½			
			Cond. of Bit	Run			
	Kelly Down	14	Reamer No.				
	Total	2690 FT	Reamer Type				
	Wt. of String	60000 LBS					

Mud & Chemicals Added: Type / Amt / Type / Amt

Footage From	To	Dr. o Ins. o Core-c	Core No.	Formation (Show Core Recovery)	Rotary RPM	Wt. on Bit 1000#	Pump Press	Pump No. Liner Size	S.P.M.	Pump No. Liner Size	S.P.M.	Method
2628	2690			O.L. Limestone	80	30-40	400	6½	56			

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
6⁰⁰	8³⁰	½	Ser Rig & Check BOPs.
8³⁰	10³⁰	2	Working on pump. High pressure wouldn't prime
10³⁰	4⁰⁰	5½	Drilling

Steel Line Measurement: Should Read: Driller: B. Van Eighem

EVENING TOUR FROM TO

No.	Drilling Assembly at End of Tour		Bit Record		Mud Record		
39	Stands D.P.	2331.09	Bit No.	13	Time	300	800 1000
	Singles D.P.	FT	Size	7⅞	Weight	8.8	8.8 8.8
	D.C.		Make	H.T.C.	W.L. cc	18.8	19.0 16.8
12	6⅛	372.09	Type	OSC	Filtr. cc	2/32	2/32 2/32
	I.D. O.D.	FT	Nozz. No.	Out	Visc. Sec.	High	High High
	D.C.		Size	Out	pH	11.5	11.5 11.5
	I.D. O.D.	FT	Ser. No.	58008	Sd. Cont. %		
	O.D.	FT	Depth Out	2740			
	O.D.	FT	Depth In	2605			
	O.D.	FT					
1	Subs 5⅜ o.d.	2.79	Total Ftg.	135			
	Bit or C.B.	FT	Total Hr. Run	13¼			
			Cond. of Bit	Dull			
	Kelly Down	34.05	Reamer No.				
	Total	2740.50	Reamer Type				
	Wt. of String	60,000					

Mud & Chemicals Added: Type / Amt / Type / Amt — Gel 10 sks

Footage From	To	Dr. o Ins. o Core-c	Core No.	Formation (Show Core Recovery)	Rotary RPM	Wt. on Bit 1000#	Pump Press	Pump No. Liner Size	S.P.M.	Pump No. Liner Size	S.P.M.	Method
2690	2740	50 D			85	30	375	6½	64			

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	2740	2°							

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
4⁰⁰	4¹⁵	¼	Ser Rig - Check B.O.P.s
4¹⁵	10¹⁵	6	Drilling
10¹⁵	10¹⁵	½	Survey
10¹⁵	12⁰⁰	1¼	Trip out for Bit

Steel Line Measurement: Should Read: Driller: G. Stremberger

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 40 DATE Feb 19/60

WELL	LOCATION	FIELD OR AREA	PROVINCE
Murphy Canada Alex #1	60°32'N 116°54'W	W. Leduc	N.W.T.

CONTRACTOR: Peter Bawden Drlg Co.

RIG No. 11 DERRICK: Lee C. Moore

PRIME MOVERS

PUMPS	NO	MANUFACTURER	LINER	STROKE
	1	Oilwell	6½	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS.	RG CSG. HD
LAST CASING	9⅝	24	J-55	12	10-3
TUBING OR LINER	338	180	470 Cacks		

DRILL PIPE STRING	SIZE	TYPE TOOL JOINT
	4½	F.H.

TIME DISTRIBUTION — HOURS

	MORN	DAY	EVE
Rig Up & Tear Down			
Drilling Actual	4¾	4½	2
Reaming			1/4
Conditioning Mud & Circulating		2½	3½
Trips	2½	3/4	1/2
Service	3/4	1/4	
Deviation Survey	1/2		
Test B.O.P.			
Cut Off Drlg Line			
Repairs			1/2
Fishing			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other			1¼
Completion Work: A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

TIME SUMMARY

Day Work			
Mtc. w/oo			
Mtc. wo/ow			
Idle			
Total Day Work			

Signature of Contractor's Representative: [illegible]

Signature of Operator's Representative: Chas. S. McKenzie

Remarks

Morning Tour From ___ To ___

No.	Drilling Assembly at End of Tour		
36	Stands D.P.	2158.00	
	Singles D.P.		ft
	D.C.		
12	6⅛ O.D.	372.07	
	D.C.		
	I.D. O.D.		ft
	O.D.		ft
	O.D.		ft
	O.D.		ft
1	Subs 5⅝ O.D.	2.79	ft
	Bit or C.B.		ft
	Kelly Down	30.00	ft
	Total	2554.86	
	Wt. of String	62,000	

Bit Record	
Bit No	11
Size	7⅞
Mfg.	HTC
Type	OWV
Nozzles No	LWT
Size	OWT
Ser. No.	5310
Depth Out	2550
Depth In	2478
Total Fts	72
Total Hr. Run	11½
Cond. of Bit	Fair
Reamer No.	
Reamer Type	

Mud Record			
Time	12:30	3:00	
Weight	9.0	9.0	
Visc. sec.	High	High	
W.L. c.c.	10.4	10.0	
Filtr. Cn.	2/32	2/32	
pH	11.0	10.5	
Sd. Cont. %			

Mud & Chemicals Added			
Type	Amt	Type	Amt
Starch	250#		

Footage From	To	Dr. Hr. Run	Core No.
2534	2558	24	

Formation (Show Core Recovery)	Rotary RPM	Wt. on Bit 1000#	Pump Press	Pump No. Liner Size	Pump No. S.P.M.	Pump No. Liner Size	Pump No. S.P.M.	Method Sol.-Gel Part.-Gel Comp.-C
	85	25	450	6½	59	✓	✓	—

Deviation Degrees	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	2534	3½°							

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
12:00	1:00	1	Drlg
1:00	1:15	1/4	Rig Ser JBOP
1:15	1:45	1/2	Survey
1:45	4:45	3	Drlg
4:45	7:15	2½	Trip for Bit #12 / Blind Rams
7:15	8:00	3/4	Drlg

Steel Line Measurement: ___ Should Read: ___ Driller: Jno McLellan

Day Tour From ___ To ___

No.	Drilling Assembly at End of Tour		
36	Stands D.P.	2151.71	
1	Singles D.P.	29.88	
	D.C.		
12	6⅛ O.D.	372.07	
	D.C.		
	I.D. O.D.		ft
	O.D.		ft
	O.D.		ft
	O.D.		ft
1	Subs O.D.	2.79	ft
	Bit or C.B.		ft
	Kelly Down	33.55	ft
	Total	2590.00	
	Wt. of String	62,000	

Bit Record	
Bit No	12
Size	7⅞
Mfg.	H-TC
Type	OSC1G
Nozzles No	CUT
Size	OUT
Ser. No.	86761
Depth Out	
Depth In	2550
Total Fts	40
Total Hr. Run	5¼
Cond. of Bit	
Reamer No	
Reamer Type	

Mud Record			
Time	9:00	10:00	11:00
Weight	9.0	9.0	9.0
Visc. sec.	High		
W.L. c.c.	10.4	10.0	8.8
Filtr. Cn.	2/32	2/32	2/32
pH	10.5	10.5	11
Sd. Cont. %			

Mud & Chemicals Added			
Type	Amt	Type	Amt
Gel	2000 lbs		
Barolite	1000 lbs		
Lime	500 lbs		
Cast-C	400 lbs		
Palcoseal	6 sks		

Footage From	To	Dr. Hr. Run	Core No.
2558	2590	32	

Formation (Show Core Recovery)	Rotary RPM	Wt. on Bit 1000#	Pump Press	Pump No. Liner Size	Pump No. S.P.M.	Pump No. Liner Size	Pump No. S.P.M.	Method Sol.-Gel Part.-Gel Comp.-C
	85	25	400	6½	57			

Deviation Degrees	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
8:00	8:05	1/4	Rig Ser JBOP
8:15	12:45	4½	Drlg - Last Circ
12:45	1:30	3/4	Pull up 15 stands
1:30	4:00	2½	Building Bel Pack Plug #2

Steel Line Measurement: ___ Should Read: ___ Driller: ___

Evening Tour From ___ To ___

No.	Drilling Assembly at End of Tour		
37	Stands D.P.	2211.92	
	Singles D.P.		ft
	D.C.		
12	6⅛ O.D.	372.07	
	D.C.		
	I.D. O.D.		ft
	O.D.		ft
	O.D.		ft
	O.D.		ft
1	Subs 5⅝ O.D.	2.79	ft
	Bit or C.B.		ft
	Kelly Down	12.22	
	Total	2594.00	
	Wt. of String	62,000	

Bit Record	
Bit No	12
Size	7⅞
Mfg.	HTC
Type	OSC1G
Nozzles No	CUT
Size	CUT
Ser. No.	86761
Depth Out	
Depth In	2550
Total Fts	49
Total Hr. Run	7¼
Cond. of Bit	Gun
Reamer No	
Reamer Type	

Mud Record			
Time			
Weight			
W.L. c.c.			
Filtr. Cn.			
Visc. sec.			
pH			
Sd. Cont. %			

Mud & Chemicals Added			
Type	Amt	Type	Amt
Palcoseal	14 sks		
Diesel Fuel	20 bbls		
Gel	6100 lbs		
Sawdust	71 sks		

Footage From	To	Dr. Hr. Run	Core No.
2590	2594	4	

Formation (Show Core Recovery)	Rotary RPM	Wt. on Bit 1000#	Pump Press	Pump No. Liner Size	Pump No. S.P.M.	Pump No. Liner Size	Pump No. S.P.M.	Method Sol.-Gel Part.-Gel Comp.-C
10:45 - 11:15 - Work on Pump	85	25	500	5⅞	6½			
11:15 - 12:00 - Drilling.								

Deviation Degrees	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
4:00	7:30	3½	Build Bel Pack Plug #2
7:30	8:00	1/2	Run in
8:00	8:15	1/4	Clean out to Bottom
8:15	8:30	1/4	Drilling
8:30	9:45	1¼	Pull up 2 stds - Pump Plug into Formation
			Held OK - Run in - Break Circ
9:45	10:45	1	Drilling

Steel Line Measurement: ___ Should Read: ___ Driller: G. Okemejeri

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 39 DATE FEB 18 160

WELL	LOCATION	FIELD OR AREA	PROVINCE
MURPHY CANADA ALEX #1	60° 38'N 116° 54'W	WILD CAT	N.W.T.

CONTRACTOR: BETER BRAUDEN DRLG CO. RIG No. 11 DERRICK: LEE C. MOORE

PRIME MOVERS: PUMPS 1 OILWELL 6½ 14; 2; 3

DRILL PIPE SIZE 4½ TYPE TOOL JOINT FIH

	SIZE	WEIGHT	GRADE	NO. JTS.	NO. CON. NO
LAST CASING	8 5/8	24#	J-55	10	10-55
TUBING OR LINER	SET AT 338	CEMENT 190	REMARKS 4% CACL2		

MORNING TOUR FROM TO

TIME DISTRIBUTION – HOURS: WORK 7¼; DAY 3¾; EVE 7½; 1/4

DRILLING ASSEMBLY AT END OF TOUR: 34 STANDS D.P. 2129.00; SINGLES D.P.; D.C. 12 6⅛ O.D. 372.07; D.C.; KELLY/DOWN 42.00; TOTAL 2445.86; WT. OF STRING 32,000

BIT RECORD: BIT NO. 10; SIZE 7⅞; MFG. HTC; TYPE OSC; NOZ. NO. C.T; SIZE O.T; SER. NO. 66563; DEPTH OUT; DEPTH IN 2358; TOTAL FTG. 87; TOTAL HR. RUN 8½; COND. OF BIT DRLG; REAMER NO.; REAMER TYPE

SUB 5⅝ O.D. 2.19; BIT OR C.B.

MUD RECORD: TIME 12⁰⁰ 2⁰⁰ 6⁰⁰; WEIGHT 8.4 8.6 9.6; VISC. SEC. HIGH HIGH HIGH; W.L.C.C. 14.2 15.2 18.6; FILTR. CK. ¼ ¼ ¼; pH 11.0 10.5 10.5; SD. CONT. %

MUD & CHEMICALS ADDED: STARCH 15 SKS; RESERVE 20 SKS

FOOTAGE: FROM 2375 TO 2445; DR. D. HR. R. CORE C.; CORE NO. D 70'

FORMATION (SHOW CORE RECOVERY): LIMESTONE + ANH

ROTARY RPM 72; WT. ON BIT 1000# 25; PUMP PRESS 375; PUMP NO. LINER SIZE 6½; S.P.M. 56; PUMP NO. LINER SIZE ✓; S.P.M. ✓; METHOD MUD & PARTIALLY CONVERTED ✓

DEVIATION RECORD: DEPTH 2410' DEV. 3¾°; DIRECTION

TIME LOG / DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS:

FROM	TO	ELAPSED TIME	DETAILS
12⁰⁰	12¹⁵	¼	RIG SER VBOPS OK
12¹⁵	4⁰⁰	3¾	DRLG
4⁰⁰	4³⁰	½	SURVEY
4³⁰	8⁰⁰	3½	DRLG

STEEL LINE MEASUREMENT: SHOULD READ: DRILLER J. W. Belcher

DAY TOUR FROM TO

TIME SUMMARY: X. FISHING; B. TUBING TRIPS; C. DRILLING; D. TESTING; E. ADDITIONAL; TOTALS 8 8 8

DRILLING ASSEMBLY AT END OF TOUR: 34 STANDS D.P. 3032.42; 1 SINGLES D.P. 29.05; D.C. 12 6⅛ O.D. 372.07; D.C.; KELLY DOWN 41.67; TOTAL 2478.00; WT. OF STRING 60,000

BIT RECORD: BIT NO. 10; SIZE OSC; MFG. 7⅞; TYPE WT; NOZ. NO. OUT; SIZE; SER. NO. 66563; DEPTH OUT 2478; DEPTH IN 2358; TOTAL FTG. 116; TOTAL HR. RUN 12¼; COND. OF BIT DULL; REAMER NO.; REAMER TYPE

SUB 5⅝ O.D. 2.79; BIT OR C.B.

MUD RECORD: TIME 9.00 11.00; WEIGHT 8.9 9.0; VISC. SEC. HIGH HIGH; W.L.C.C. 8.8 8.6; FILTR. CK. ¼ ¼; pH 11 11; SD. CONT. %

MUD & CHEMICALS ADDED: STARCH 100#

FOOTAGE: FROM 2445 TO 2478; DR. D. HR. R. CORE C.; CORE NO. 33

FORMATION (SHOW CORE RECOVERY): 75 25 375 6½ 56

DEVIATION RECORD: DEPTH 2440 DEV. 3⅛; DIRECTION

TIME LOG / DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS:

FROM	TO	ELAPSED TIME	DETAILS
8⁰⁰	8¹⁵	¼	SURVEY
8¹⁵	8³⁰	¼	SER RIG – CHECK B.O.Ps
8³⁰	12¹⁵	3¾	DRLG
12¹⁵	1³⁰	1¼	HOIST FOR BIT (MEAS BHA)
1³⁰	3⁰⁰	1½	SLIP + CUT DRLG LINE
3⁰⁰	4⁰⁰	1	RUN IN

MEAS 2478.37; TALLY 2474.33; DIFF 4.04; CORR MADE

STEEL LINE MEASUREMENT: SHOULD READ: DRILLER

EVENING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR: 35 STANDS D.P. 2091.19; 1 SINGLES D.P. 30.46; D.C. 12 6⅛ O.D. 372.07; D.C.; KELLY DOWN 37.49; TOTAL 2534.00; WT. OF STRING 61,000

BIT RECORD: BIT NO. 11; SIZE 7⅞; MFG. H.T.C.; TYPE OWV; NOZ. NO. CUT; SIZE OUT; SER. NO. 5310; DEPTH OUT; DEPTH IN 2478; TOTAL FTG. 56; TOTAL HR. RUN 7½; COND. OF BIT RUN; REAMER NO.; REAMER TYPE

SUB 5⅝ O.D. 2.79; BIT OR C.B.

MUD RECORD: TIME 3⁰⁰ 8⁰⁰ 11¹⁰⁰; WEIGHT 9.0 9.0 9.0; W.L.C.C. 8.8 10.1; FILTR. CK. ¼ ¼; VISC. SEC. 115 HIGH HIGH; pH 11 11 11; SD. CONT. %

MUD & CHEMICALS ADDED:

FOOTAGE: FROM 2478 TO 2534; DR. D. HR. R. CORE C.; CORE NO. 36

FORMATION (SHOW CORE RECOVERY): 90 35 400 6½ 57

DEVIATION RECORD:

TIME LOG / DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS:

FROM	TO	ELAPSED TIME	DETAILS
4⁰⁰	4¹⁵	¼	SERVICE RIG – CHECK B.O.Ps
4¹⁵	4³⁰	¼	CLEAN OUT TO BOTTOM
4³⁰	12⁰⁰	7½	DRILLING

STEEL LINE MEASUREMENT: SHOULD READ: DRILLER J. Churnesper

TOTAL DAY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE: E. M. Mackenzie

REMARKS

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 38 DATE FEB 17/60

WELL: Murphy Canada Alex #1
LOCATION: 60°38'N 116°54'W
FIELD OR AREA: Wildcat
PROVINCE:

CONTRACTOR: Peace Bawden Drlg Co
RIG NO.: 11
DERRICK: Lee C. Moore

PUMPS	NO.	MANUFACTURER	LINER	STROKE
	1	Oil Well	6½	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS.	HG OSS. HD.
LAST CASING	8⅝	24	J-55	10	10.55
TUBING	SET AT	CEMENT	REMARKS		
OR LINER	338	190	4% CaCl2		

DRILL PIPE STRING: SIZE 4½ TYPE TOOL JOINT F.H.
PRIME MOVERS

TIME DISTRIBUTION – HOURS

	MDNT	DAY	EVE
Rig up & tear down			
Drilling actual	½	3½	3½
Reaming		½	¼
Conditioning mud & circulating	7	3¾	1¾
Trips	¼	½	2¼
Service	¼	¼	¼
Deviation survey		½	
Slip & cut drlg line			
Repairs			
Coring			
Wire line logging			
Running casing & cementing			
Waiting on cement			
Drill stem test			
Nipple down			
Fishing			
A. Perforating			
B. Testing, tests			
C. Overhead			
D. Testing, other			
E. Additional			
TOTALS	8	8	8

TIME SUMMARY

Day shift			
Eve. shift			
Mdnt. shift			
Total day work			

Signature of contractor's representative
Signature of operator's representative

Morning tour from ___ to ___

No.	Drilling assembly at end of tour		
32	Stands D.P.	1903.61	
	Singles D.P.		ft.
	D.C.		
12	6⅛ o.d.	372.07	
	D.C.		
	i.d. o.d.		ft.
	o.d.		ft.
	o.d.		ft.
1	Subs 5⅝ o.d.	2.79	
	Bit or C.B.		ft.
	Kelly down	16.53	
	Total	2310.00	
	Wt. of string	51,000	

Bit record		
Bit no.	9	
Size	7⅞	
Mfg.	HTC	
Type	OSC1G	
Noz.	No. Out	
	Size Out	
Ser. no.	86764	
Depth out		
Depth in	2256	
Total ft.	54	
Total hr. run	3¼	
Cond. of bit	Ga	
Reamer no.		
Reamer type		

Mud record	
Time	12⁰⁰
Weight	9.5
Visc.-sec.	240
W.L.c.c.	8.4
Fltr. cr.	2/32
Ph	
Cont. %	

Mud & chemicals added	Amt	Type	Amt
Gel		D Fuel	20 BRLS
Sawdust	80 SKS		
Lime	400#	Fiberseal	2 SKS
Caustic	400#		
Bakelite	20 SKS		

Footage				
From	To	Dr. o. Ins. Core c.	Core no.	Formation (Show core recovery)
2299	2310	D	12'	

Deviation record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time log From	To	Elapsed time	Details of operations in sequence and remarks
12⁰⁰	12¹⁵	¼	Rig Ser & BOPs. OK.
12¹⁵	12⁴⁵	½	Drlg slowly hosing volume
12⁴⁵	1³⁰	¾	Circ & Building volume
1³⁰	1⁴⁵	¼	Pull to side
1⁴⁵	8⁰⁰	6¼	Building Bel Pack Plug #1

Steel line measurement: Should read: Driller: [illegible]

Pump no.	Liner size	S.P.M.	Pump no.	Liner size	S.P.M.	Method
80	22	45	6½	58	J	J

Day tour from ___ to ___

No.	Drilling assembly at end of tour		
32	Stands D.P.	1908.61	
1	Singles D.P.	30.05	
	D.C.		
12	6⅛ o.d.	372.07	
	D.C.		
	i.d. o.d.		ft.
	o.d.		ft.
	o.d.		ft.
1	Subs	2.79	
	Bit or C.B.		ft.
	Kelly down	24.48	
	Total	2338.00	
	Wt. of string	51,000	

Bit record		
Bit no.	9	
Size	7⅞	
Mfg.	HTC	
Type	OSC1G	
Noz.	No. Out	
	Size Out	
Ser. no.	86764	
Depth out		
Depth in	2256	
Total ft.	82	
Total hr. run	6¾	
Cond. of bit		
Reamer no.		
Reamer type		

Mud record	
Time	
Weight	
Visc.-sec.	
W.L.c.c.	
Fltr. cr.	
Ph	
Cont. %	

Mud & chemicals added	Amt	Type	Amt
D Fuel	5 BRRLS		
Gel	400 lbs		
Fiberseal	3½ SKS		
S Dust	33 SKS		

Footage				
From	To	Dr. o. Ins. Core c.	Core no.	Formation (Show core recovery)
2310	2338	28' D		

Deviation record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	2325	3°							

Time log From	To	Elapsed time	Details of operations in sequence and remarks
8⁰⁰	10⁴⁵	2¾	Building Bel Pack Plug #1
10⁴⁵	11	¼	Ser Rig Check B.O.Ps
11	11³⁰	½	Run in
11³⁰	12⁰⁰	½	Clean out Fill
12⁰⁰	2	2	Drlg
2	2³⁰	½	Survey
2³⁰	4	1½	Drlg

Steel line measurement: Should read: Driller:

Pump no.	Liner size	S.P.M.	Pump no.	Liner size	S.P.M.	Method
80	28	400	6½	58		

Evening tour from ___ to ___

No.	Drilling assembly at end of tour		
33	Stands D.P.	1968.88	
	Singles D.P.		ft.
	D.C.		
12	6⅛ i.d. o.d.	372.07	
	D.C.		
	i.d. o.d.		ft.
	o.d.		ft.
	o.d.		ft.
1	Subs 5⅝ o.d.	2.79	
	Bit or C.B.		ft.
	Kelly down	31.26	
	Total	2375.00	
	Wt. of string	52,000	

Bit record		
Bit no.	9	10
Size	OSC1G	OSC
Mfg.	HTC	HTC
Type	7⅞	7⅞
Noz.	No. Out	Out
	Size Out	Out
Ser. no.	86764	66543
Depth out	2358	
Depth in	2256	2358
Total ft.	102	17
Total hr. run	9	1¾
Cond. of bit	Dull	New
Reamer no.		
Reamer type		

Mud record	
Time	
Weight	
Visc.-sec.	
W.L.c.c.	
Fltr. cr.	
Ph	
Cont. %	

Mud & chemicals added	Amt	Type	Amt
Gel	2000 lbs		
Fiberseal	10 SKS		
Fiberseal	3 SKS		

Footage				
From	To	Dr. o. Ins. Core c.	Core no.	Formation (Show core recovery)
2338	2375	37 D		

Deviation record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time log From	To	Elapsed time	Details of operations in sequence and remarks
4	6¹⁵	2¼	Drinking
6¹⁵	6³⁰	¼	Ser Rig – Check B.O.Ps
6³⁰	7⁴⁵	1¼	Pull out
7⁴⁵	9³⁰	1¾	Build volume in tanks
9³⁰	10³⁰	1	Run in
10³⁰	10⁴⁵	¼	Clean 12' to bottom
10⁴⁵	12⁰⁰	1¼	Drilling

Steel line measurement: Should read: Driller: [illegible]

Pump no.	Liner size	S.P.M.	Pump no.	Liner size	S.P.M.	Method
80	28	400	6½	58		

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 37 DATE FEB 16/60

WELL	LOCATION	FIELD OR AREA	PROVINCE
Murphy Canada Alex #1	60°38'N 116°54'W	WILDCAT	N.W.T.

CONTRACTOR: Peter Bawden Drlg Co.

RIG NO. 11 DERRICK: Lee C. Moore

PUMPS	NO.	MANUFACTURER	LINER	STROKE
	1	O.L. Wells	6½	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS.	KB CORR. NO.
LAST CASING	8⅝	24#	J-55	10	10.10
TUBING OR LINER	SET AT 338	CEMENT 190	REMARKS 4% Cacl2		

DRILL PIPE STRING: SIZE 4½ TYPE TOOL JOINT F.H.

PRIME MOVERS

HOURS	WORK	DAY	EVE.
Drlg up to Tear Down			
Drilling Actual	24		12
Reaming	3¾		2
Conditioning Mud & Circulation	13¼		4¼
Trips		1½	1
Service	¼		¼
Downtime Summary			
Test B.O.P.			
Run Casing & Cement			
Wait on Cement			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Tests			
Other			
Fishing			
A. Perforating			
B. Taking Trips			
C. Engineering			
D. Testing			
E. Abandonment			
TOTALS	8		8

TIME SUMMARY

Day Work

Nite Work

Total Day Work

Signature of Contractor's Representative

Signature of Operator's Representative: J. J. McKenzie

MORNING TOUR FROM TO

No.	Drilling Assembly at End of Tour		Bit Record	
31	Stands D.P.	1848.00	Bit No.	9
1	Singles D.P.	30.14	Size	7⅞
	D.C.		Mfg.	HTC
12	6½ O.D.	372.07	Type	OSC1G
	D.C.		No.	Out
	I.D. O.D.	ft	Size	Out
	O.D.	ft	Ser. No.	86764
	O.D.	ft	Depth Out	
	O.D.	ft	Depth In	2236
1	Subs 5¾ O.D.	2.79	Total Ftg.	38'
	Bit on C.B.	ft	Total Hr. Run	2¾
			Cond. of Bit	Dull
	Kelly Down	41.00	Reamer No.	
	Total	2288.00	Reamer Type	
	Wt. of String	50,000 lbs		

Mud Record	12:00	3:00	6:00
Time	12:00	3:00	6:00
Weight	9.2	9.2	9.3
Visc. Sec.	59	73	51
W.L.C.C.	5.3	5.3	6.4
Filtr. Ca.	2/32	2/32	2/32
pH	10.5	10.5	10.5
So. Cont. %			

Mud & Chemicals Added: Gel, F. Seal

Footage From	To	Dr. Time Min. Core C.	Core No.	Formation (Show Core Recovery)	Rotary RPM	Wt. on Bit Thousands	Pump Press.	Pump No. Liner Size	S.P.M.	Pump No. Liner Size	S.P.M.	Method Drill Ahead, Core, Ream
2236	2274	D/38'		Limestone & Anhy	95	25	400	6½	58	✓	✓	S

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	2205	2¾							

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
12:00	12:15	¼	R.G. Ser. BOPs.
12:15	12:45	½	Circ & Cond Mud
12:45	4:30	3¾	Reaming to Bottom Plug @ 2180
4:30	6:45	2¼	Drlg
6:45	8:00	1¼	Circ Cond Mud. Building Volume

Steel Line Measurement: Should Read: Driller: J. J. McKenzie

DAY TOUR FROM TO

No.	Drilling Assembly at End of Tour		Bit Record	
	Stands D.P.	ft	Bit No.	
	Singles D.P.	ft	Size	
	D.C.		Mfg.	
	I.D. O.D.	ft	Type	
	D.C.		No.	
	I.D. O.D.	ft	Size	
	O.D.	ft	Ser. No.	
	O.D.	ft	Depth Out	
	O.D.	ft	Depth In	
	Subs O.D.	ft	Total Ftg.	
	Bit on C.B.	ft	Total Hr. Run	
			Cond. of Bit	
	Kelly Down	ft	Reamer No.	
	Total	ft	Reamer Type	
	Wt. of String	lbs		

Mud Record	9:00	1:00	3:00
Time	9:00	1:00	3:00
Weight	9.5	9.4	9.2
Visc. Sec.	85	55	65
W.L.C.C.	8.6	8.4	6.0
Filtr. Ca.	2/32	2/32	2/32
pH	11	11	11
So. Cont. %			

Mud & Chemicals Added: Plaster 100 lbs; Pres 100 lbs; Starch 250 lbs; Gell 3300

Footage From	To	Dr. Time Min. Core C.	Core No.	Formation (Show Core Recovery)	Rotary RPM	Wt. on Bit Thousands	Pump Press.	Pump No. Liner Size	S.P.M.	Pump No. Liner Size	S.P.M.	Method Drill Ahead, Core, Ream

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
8:00	9:00	1	Pull 10 stds Circ & Build Volume
9:00	9:15	¼	Ser Rig Check B.O.Ps
9:15	2:15	5	Circ Cond Mud at 1729'
2:15	2:30	¼	Run in to 2100'
2:30	4:00	1½	Circ Cond Mud

Steel Line Measurement: Should Read: Driller: A. McCormick

EVENING TOUR FROM TO

No.	Drilling Assembly at End of Tour		Bit Record	
32	Stands D.P.	1908.61	Bit No.	9
	Singles D.P.	ft	Size	7⅞
	D.C.		Mfg.	H.T.C.
12	I.D. O.D.	372.07	Type	OSC1G
	D.C.		No.	Out
	I.D. O.D.	ft	Size	Out
	O.D.	ft	Ser. No.	86764
	O.D.	ft	Depth Out	
	O.D.	ft	Depth In	2256
1	Subs O.D.	2.79	Total Ftg.	42
	Bit on C.B.	ft	Total Hr. Run	2¾
			Cond. of Bit	
	Kelly Down	14.53	Reamer No.	
	Total	2298.00	Reamer Type	
	Wt. of String	500.00		

Mud Record	6:00	11:30
Time	6:00	11:30
Weight	9.4	9.5
Visc. Sec.	62	220
W.L.C.C.	2/32	2/32
Filtr. Ca.	6.6	8.4
pH	9	11
So. Cont. %		

Mud & Chemicals Added: Starch 500 lbs; Gel 3300 lbs; Sawdust 31 sks

Footage From	To	Dr. Time Min. Core C.	Core No.	Formation (Show Core Recovery)	Rotary RPM	Wt. on Bit Thousands	Pump Press.	Pump No. Liner Size	S.P.M.	Pump No. Liner Size	S.P.M.	Method Drill Ahead, Core, Ream
2294	2298	D-4'			90	30	400	6½	58			

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
4	4:15	¼	Loosing Mud - Pull up to 1350'
4:15	4:30	¼	Ser Rig - Check B.O.Ps
4:30	8:45	4¼	Cond Mud - Build Volume
8:45	9:30	¾	Run in
9:30	11:30	2	Clean out 42' to Bottom
11:30	12	½	Drilling

Steel Line Measurement: Should Read: Driller: J. J. McKenzie

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 36 DATE FEB 15/60

WELL: Murphy Canada Alexander #1
LOCATION: 60°38'N, 116°54'W
FIELD OR AREA: Wildcat
PROVINCE: N.W.T.
CONTRACTOR: Peter Bawden Drlg Co.
RIG No.:
DERRICK: Lee C. Moore
PRIME MOVERS:
DRILL PIPE STRING: SIZE 4½ TYPE TOOL JOINT F.H.

PUMPS	NO	MANUFACTURER	LINER	STROKE
	1	Oil Well	6½	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO JTS	NO COL NO
LAST CASING	8⅝	24#	J-55	10	10.10
TUBING	SET AT	CEMENT			
OR LINER	338	190	0 4% Calc		

TIME DISTRIBUTION – HOURS

	MORN	DAY	EVE
Rig up or tear down			
Drilling actual			
Reaming	1¼		
Conditioning and circulating	3½		4¾
Trips	3	1	1
Service	¼	¾	
Deviation survey			
Test B.O.P.			
Cut and slip drlg line			
Repairs			
Rig up			
Wire line logging			
Running casing & cementing		5¾	2¾
Waiting on cement			
Drill stem test			
Other		1	
Fishing			
Operating time: A. Propagating			
B. Tripping pipe			
C. Drilling			
D. Testing			
E. Additional			
TOTALS	8	8	8

TIME SUMMARY

Day work	
Hrs. w/ Tool	
Hrs. W/O Tool	
Hrs.	
Total day work	

Signature of contractor's representative:
Signature of operator's representative: [illegible]
Remarks:

MORNING TOUR FROM TO

No.	Drilling assembly at end of tour		Bit record	
31	Pyramus D.P.	1846.14	Bit No	8
	Shingles D.P.		Size	7⅞
	D.C.		Mfg.	HTC
12	6½ O.D.	372.07	Type	OSC
	D.C.		Nozz. No	Out
	I.D. O.D.		Size	Out
	O.D.		Ser. No.	21483
	O.D.		Depth out	
	O.D.		Depth in	2234
1	Subs O.D.	2.79	Total ftg	22
	Bit or C.B.		Total no. run	1
	Kelly down	35.00	Cond. of bit	Fair
	Total	2256	Reamer No	
	Wt. of string	58000	Reamer type	1

Time	130	900	400
Weight	9.0	9.0	9.2
Visc. sec	95	103	240
W.L. c.c.	28.0	26.0	7.2
Filtr. ck.	+2/32	+2/32	+3/32
pH	13	11.5	11.5
No. cont.			

Mud & chemicals added

Type	Amt	Type	Amt
Gel	1200#		
Starch	1500#		
Fiber J.	150#		

Footage From	To	Dr. D. Rm. Core-C	Core No.
2256			

Deviation record: Depth / Dev. / Direction

Time log From	To	Elapsed time	Details of operations in sequence and remarks
12⁰⁰	12¹⁵	¼	Rig Ser / B.O.P. OK
12¹⁵	3⁴⁵	3½	Circ & Cond Mud @ 2205'
3⁴⁵	5⁰⁰	1¼	Reaming 70' Fill up & complete Circ @ 2256
5⁰⁰	8⁰⁰	3	Tripping to run Plug #7

Steel line measurement: Should read: Driller: [illegible]

Formation (Show core recovery)	Rotary rpm	Wt. on bit 1000#	Pump pressure	Pump No. Liner size	S.P.M.	Pump No. Liner size	S.P.M.	Method
	80	14	600	6½	58	/	2	

DAY TOUR FROM TO

No.	Drilling assembly at end of tour		Bit record	
	Stands D.P.		Bit No	
	Shingles D.P.		Size	
	D.C.		Mfg.	
	I.D. O.D.		Type	
	D.C.		Nozz. No	
	I.D. O.D.		Size	
	O.D.		Ser. No.	
	O.D.		Depth out	
	O.D.		Depth in	
	Subs O.D.		Total ftg	
	Bit or C.B.		Total no. run	
	Kelly down		Cond. of bit	1
	Total		Reamer No	
	Wt. of string		Reamer type	

Plug #7 from 2256 – 2141
20 sks cement 4% gel 4% CACL
Plug down: 9⁰⁰ A.M.

Time			
Weight			
Visc. sec			
W.L. c.c.			
Filtr. ck.			
pH			
No. cont.			

Mud & chemicals added

Type	Amt	Type	Amt

Footage From	To	Dr. D. Rm. Core-C	Core No.
2256			

Deviation record: Depth / Dev. / Direction

Time log From	To	Elapsed time	Details of operations in sequence and remarks
8⁰⁰	8¹⁵	¼	Ser Rig & B.O.P.s
8¹⁵	9⁰⁰	¾	Run Plug #7
9⁰⁰	10⁰⁰	1	Pull out
10⁰⁰	1⁰⁰	3	W.O.C.
1⁰⁰	1¹⁵	¼	Run in Sanline Feel Plug
1¹⁵	4⁰⁰	2¾	W.O.C.

Steel line measurement: Should read: Driller: A. McCormick

Formation (Show core recovery)	Rotary rpm	Wt. on bit 1000#	Pump pressure	Pump No. Liner size	S.P.M.	Pump No. Liner size	S.P.M.	Method
			400	6½	56			

EVENING TOUR FROM TO

No.	Drilling assembly at end of tour		Bit record	
25	Stands D.P.	1490.49	Bit No	9
1	Shingles D.P.	29.91	Size	7⅞
	D.C.		Mfg.	H.T.C.
12	~~[illegible]~~	372.09	Type	OSC1G
	D.C.		Nozz. No	Out
	I.D. O.D.		Size	Out
	O.D.		Ser. No.	81764
	O.D.		Depth out	
	O.D.		Depth in	2256
1	Subs ~~[illegible]~~ O.D.	2.79	Total ftg	
	Bit or C.B.		Total no. run	
	Kelly down		Cond. of bit	
	Total		Reamer No	
	Wt. of string		Reamer type	

Time	930	10⁰⁰	11⁹⁰
Weight		9.1	9.2
W.L. c.c.		4.2	4.0
Filtr. ck.		2/32	3/32
Visc. sec	59	52	53
pH		11	11
No. cont.			

Mud & chemicals added

Type	Amt	Type	Amt
Plaster	450 lbs		
Gell	1400 lbs		

Footage From	To	Dr. D. Rm. Core-C	Core No.
2256			

Deviation record: Depth / Dev. / Direction

Time log From	To	Elapsed time	Details of operations in sequence and remarks
4⁰⁰	6⁴⁵	2¾	W.O.C.
6⁴⁵	7³⁰	3/4	Run in to 1000'
7³⁰	8³⁰	1	Circ - Cond Mud
8³⁰	8⁴⁵	¼	Run in to 1900'
8⁴⁵	12⁰⁰	3¼	Circ - Cond Mud

Steel line measurement: Should read: Driller: [illegible]

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 35 DATE FEB 14 / 60

WELL	LOCATION	FIELD OR AREA	PROVINCE
Murphy Canada Alex #1	WILDCAT	60° 38'N 116° 54'W	N.W.T.

CONTRACTOR: Peter Bowden Drlg Co

RIG NO. 11 DERRICK: LEE C. MOORE

PRIME MOVERS

PUMPS	NO.	MANUFACTURER	LINER	STROKE
	1	O.L. WELL	6½	14
	2			
	3			

	SIZE	WEIGHT	GRADE	THD. END	THD. CPLG.
LAST CASING	8⅝	24#	J-55	14	10 RBC
TUBING OR LINER	SET AT 328	CEMENT 190	4% Cacl2		

DRILL PIPE STRING: SIZE 4½ TYPE TOOL JOINT: E.H.

TIME DISTRIBUTION – HOURS

	MORN	DAY	EVE
Drg. Brk. - Tear Down			
Drilling - Actual			1¼
Reaming			1¼
Conditioning Mud & Circulating	1¾		5
Trips	1		1¼
Service	¼		¼
Deviation Survey			
Test BOP's			
Cut Drlg. Line			
Wait on Cement			
Drill Stem Test			
Repair			
Fishing			
A. Perforating			
B. Wireline Logs			
C. Coring			
D. Testing			
E. Additional			
TOTALS	8		8

TIME SUMMARY

Day Work

Mon. up/down

Tues. up/down

Total Day Work

Signature of Contractor's Representative

Signature of Operator's Representative: Q. Thompson

Remarks

MORNING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR		
23	Stands D.P.	1371.99
1	Singles D.P.	30.01 ft.
	D.C. 6⅝	
12	D.C. 6⅝	372.07
	D.C. I.D. O.D.	ft.
	O.D.	ft.
	O.D.	ft.
	O.D.	ft.
1	Pipe 5⅝	2.79 ft.
	Bit on C.P.	ft.
	Kelly Down	42.00
	Total	1818.00
	Wt. of String	44,000

BIT RECORD	
Bit No.	8
Size	7⅞
Mfg.	HTC
Type	OSC
Nozzles	CUT
Size	OUT
Ser. No.	21483
Depth Out	
Depth In	
Total Ftg.	
Total Hrs. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

MUD RECORD			
Time	7:00	4:00	8:00
Weight	9.0	9.0	9.0
Vis. Sec.	83	76	78
W.L. c.c.	17.6	17.4	17.4
Filtr. Ck.	3/32	3/32	3/32
Pk			
Sol. Cont. %			

MUD & CHEMICALS ADDED

Type	Amt	Type	Amt
Gel	4000#		
Resepal	100#		
Mil-Jel	1250#		
Plaster	500#		

FOOTAGE From	To	Bit Hours	Core No.	FORMATION (Show Core Recovery)	Rotary Rpm	Wt. on Bit	Pump No.	Liner Size	S.P.M.	Pump No.	Liner Size	S.P.M.	Method
	2234				200	6½	58	✓	✓				

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
12:00	12:15	¼	Rig Ser / BOP's OK
12:15	1:15	1	Run In to 1818'
1:15	8:00	6¾	Circ & Con Mud @ 1818'

Steel Line Measurement | Should Read | Driller: Jos Hf & Wicky

DAY TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR		
31	Stands D.P.	1848.16
	Singles D.P.	ft.
	D.C. 6⅝	
12	D.C. 6⅝	372.07
	D.C. I.D. O.D.	ft.
	O.D.	ft.
	O.D.	ft.
	O.D.	ft.
1	Pipe 5⅝	2.79
	Bit on C.P.	ft.
	Kelly Down	23.98
	Total	2247.00
	Wt. of String	48,000

BIT RECORD	
Bit No.	8
Size	7⅞
Mfg.	HTC
Type	OSC
Nozzles	CUT
Size	OUT
Ser. No.	21483
Depth Out	
Depth In	2234
Total Ftg.	13
Total Hrs. Run	¾
Cond. of Bit	
Reamer No.	
Reamer Type	

MUD RECORD			
Time			
Weight	92	92	92
Vis. Sec.	72	72	74
W.L. c.c.		7.8	
Filtr. Ck.		3/32	
Pk		11	
Sol. Cont. %			

MUD & CHEMICALS ADDED

Type	Amt	Type	Amt
Starch	225 lbs		
Sawdust	10 sax		
Fiberseal	4 sax		
Gel	5 sax		

FOOTAGE From	To	Bit Hours	Core No.	FORMATION (Show Core Recovery)	Rotary Rpm	Wt. on Bit	Pump No.	Liner Size	S.P.M.	Pump No.	Liner Size	S.P.M.	Method
2234	2256	21	D-										

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
8:00	8:15	¼	Ser Rig - BOPs
8:15	10:00	1¾	Circ & Con Mud @ 1818
10:00	3:00	5	Circ Clean To Bottom & Drill Plug
3:00	3:45	¾	Drill
3:45	4:00	¼	Lost Circ. Pull out

Steel Line Measurement | Should Read | Driller: A. McCormick

EVENING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR		
31	Stands D.P.	1848.16
	Singles D.P.	ft.
	D.C. 6⅝	
12	D.C. 6⅝	372.07
	D.C. I.D. O.D.	ft.
	O.D.	ft.
	O.D.	ft.
	O.D.	ft.
1	Pipe 5⅝	2.79
	Bit on C.P.	ft.
	Kelly Down	33.98
	Total	2257.00
	Wt. of String	50,000

BIT RECORD	
Bit No.	8
Size	7⅞
Mfg.	H.T.C.
Type	OSC
Nozzles	CUT
Size	OUT
Ser. No.	21483
Depth Out	
Depth In	2234
Total Ftg.	22
Total Hrs. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

MUD RECORD			
Time			
Weight			
W.L. c.c.			
Filtr. Ck.			
Vis. Sec.			
Pk			
Sol. Cont. %			

MUD & CHEMICALS ADDED

Type	Amt	Type	Amt
Sawdust	31 sks		
Fiber Seal	8 sks		
Gel	5900 lbs		

FOOTAGE From	To	Bit Hours	Core No.	FORMATION (Show Core Recovery)	Rotary Rpm	Wt. on Bit	Pump No.	Liner Size	S.P.M.	Pump No.	Liner Size	S.P.M.	Method
					90	30	300	6½	58				

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
4	4:15	¼	Ser Rig - Check B.O.P's 945-10:15 - Run In
4:15	6	1¾	Cond Mud 10:15-12:00 - Circ - Cond
6	6:15	¼	Run In To Bot Mud 20' Above Fill
6:15	7:30	1¼	Clean Out To Bot
7:30	7:45	¼	~~[illegible]~~ Drilling
7:45	8:15	½	Lost Circ - Pull 12 Stands
8:15	9:45	1½	Cond Mud

Steel Line Measurement | Should Read | Driller: J. Thompson

AMERIREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 34 DATE FEB 13/60

WELL	LOCATION	FIELD OR AREA	PROVINCE
MURPHY CRA ALEXANDRA	60 38N 116 54	WILDCAT	N.W.T.

CONTRACTOR	RIG NO.	DERRICK
PETER BAIDEN DRLG	11	LEE-C-MOORE

PUMPS	MANUFACTURER	LINER	STROKE
1	WILWELL	6 1/2	14
2			
3			

	SIZE	WEIGHT	GRADE	NO. JTS.	NO. DEG. PIN
LAST CASING	8 5/8	24#	J-55	10	10.10
TUBING OR LINER	SET AT 338	CEMENT 190	REMARKS 4% P.C.		

DRILL PIPE STRING	SIZE	TYPE TOOL JOINT	PRIME MOVERS

TIME DISTRIBUTION — HOURS

	MORN	DAY	EVE
RIG UP OR TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING	1	4	
TRIPS	1	2 3/4	1 1/4
SERVICE		1/4	1/4
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
LOST CIRC.			
REPAIRS			
WIRE LINE SURVEY			
SUNDRY TROUBLE & CONDITIONING			
RUNNING CASING & CEMENTING	6	1	4 1/2
DRILL STEM TEST			
OTHER			2
FISHING			
A.			
B.			
C.			
D.			
E.			
TOTALS	8	8	8

TIME SUMMARY

DAY WORK	
RIG W/MOVE	
RIG SHOW/MOVE	
TOTAL DAY WORK	

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [illegible]

REMARKS

MORNING TOUR FROM TO

No.	DRILLING ASSEMBLY AT END OF TOUR	
18	STANDS D.P.	FT.
1	SINGLES D.P.	FT.
12	D.C. I.D. O.D.	372.02 FT.
	D.C. I.D. O.D.	FT.
	O.D.	FT.
	O.D.	FT.
1	SUBS O.D.	2.79
	BIT OR C.B.	FT.
	KELLY DOWN	[redacted]
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD	
BIT NO.	8
SIZE	7 7/8
MFG.	H.T.C.
TYPE	OSC
NOZ. NO	CUT OUT
SER. NO	21483
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME			
WEIGHT			
VISC. SEC.			
W.L.C.C.			
FLTR. CR.			
PH			
SO. CONT. %			

MUD & CHEMICALS ADDED			
TYPE	AMT	TYPE	AMT

FOOTAGE FROM	TO	DR. D RM.-P CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD DRILL-P CORED-C
								6 1/2				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12	6	6	W.O.C.
6	6 30	1/2	RUN IN TO 500'
6 30	7	1/2	CIRC
7	7 15	1/4	RUN IN TO 1000'
7 15	7 45	1/2	CIRC
7 45	8 00	1/4	RUN IN TO 1500'

STEEL LINE MEASUREMENT SHOULD READ DRILLER [illegible]

DAY TOUR FROM TO

No.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	O.D.	FT.
	O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD	
BIT NO.	8
SIZE	7 7/8
MFG.	HTC
TYPE	OSC
NOZ.	CUT
	OUT
SER. NO	21483
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

OPEN

END

MUD RECORD			
TIME	9:00	10:00	12:00
WEIGHT	8.8	8.8	8.8
VISC. SEC.	52	53	71
W.L.C.C.			
FLTR. CR.			
PH			
SO. CONT. %			

MUD & CHEMICALS ADDED			
TYPE	AMT	TYPE	AMT
F. SEAL	25 SKS		
S. DUST	5 SKS		
MYLOGEL	1000#		
PERK	150#		
PLASTER	500#		

FOOTAGE FROM	TO	DR. D RM.-P CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD DRILL-P CORED-C
	2234											

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
6:00	8:15	1/4	R.C SER. & BOP.
8:15	8:30	1/4	RUN IN TO 2000'
8:30	12:30	4	CIRC. MUD GOING DOWN SLOWLY 30' AT TIME BEST COMPLETE CIRC @ 2230
12:30	1:15	1/4	PULL OUT 3:00-4:00 - 1 RAN PLUG
1:15	3:00	1 1/4	RUN IN OPEN END

STEEL LINE MEASUREMENT SHOULD READ DRILLER [illegible]

EVENING TOUR FROM TO

No.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	O.D.	FT.
	O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD	
BIT NO.	
SIZE	
MFG.	
TYPE	
NOZ.	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME			
WEIGHT			
VISC. SEC.			
W.L.C.C.			
FLTR. CR.			
PH			
SO. CONT. %			

MUD & CHEMICALS ADDED			
TYPE	AMT	TYPE	AMT
GEL	20	SAX	

FOOTAGE FROM	TO	DR. D RM.-P CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD DRILL-P CORED-C
2234	2074											

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	1/4	SER R.G & B.O.P.S.
4:15	4:45	1/2	PULL, 10 STAN + CIRC NO RETURNS
4:45	9:00	4 1/4	W.O.C.
9:00	11:00	2	RUN IN HOLE WITH SANLINE UNTANGEL SAME
11:00	12:00	1	PULL OUT

STEEL LINE MEASUREMENT SHOULD READ DRILLER [illegible]

RAN PLUG # 6 FROM 2234 FOOTAGE 2074

70 SKS CEMENT 4% GEL 4% CACL.

PLUG DOWN 4:00 P.M.

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 33 DATE FEB 12/60

WELL	LOCATION	FIELD OR AREA	PROVINCE
MURPHY CAN ALEXANDRA #1	60 38N 116.54	WILDCAT	N.W.T.

CONTRACTOR: PETER BAWDEN — RIG No. 11 — DERRICK: LEE C. MOORE

PUMPS	NO	MANUFACTURER	LINER	STROKE
	1	OILWELL	6½	14
	2			
	3			

	SIZE	SET AT	CEMENT	REM
LAST CASING	8⅝	24	55	10
TUBING OR LINER		338	190	4% cc.

DRILL PIPE STRING: SIZE — TYPE TOOL JOINT — PRIME MOVERS

TIME DISTRIBUTION – HOURS

	WORK	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING		8¾	
TRIPS		2¼	3
SERVICE		¼	¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR		9	¾
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			3¾
DRILL STEM TEST			
OTHER			1
FISHING			
CONTRACTOR WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS		8	8

TIME SUMMARY

DAY WORK			
WKG. W/DP			
WKG. WO/DP			
WKG.			
TOTAL DAY WORK			$

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Owen Shackleton

REMARKS

MORNING TOUR FROM TO

No.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C.		
	I.D. O.D.		FT.
	D.C.		
	I.D. O.D.		FT.
	O.D.		FT.
	O.D.		FT.
	O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD: BIT NO. — SIZE — MFG. — TYPE — NOZ. NO. — SIZE — SER. NO. — DEPTH OUT — DEPTH IN — TOTAL FTG. — TOTAL HR. RUN — COND. OF BIT — REAMER NO. — REAMER TYPE

MUD RECORD: TIME — WEIGHT — VISC./SEC. — W.L./C.C. — FLTR. CH. — PH — SO. CONT. %

MUD & CHEMICALS ADDED: TYPE — AMT — TYPE

FOOTAGE FROM	TO	DR. D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12	8	8	PUT NEW DRUM CLUTCH IN DRKS

STEEL LINE MEASUREMENT — SHOULD READ — DRILLER: J. Obermeyer

DAY TOUR FROM TO

No.	DRILLING ASSEMBLY AT END OF TOUR		
30	STANDS D.P.	1888.38	
1	SINGLES D.P.	28.59	
	O.D. 6⅝ I.D. O.D.		
12		372.07	
	D.C.		
	I.D. O.D.		FT.
	O.D.		FT.
	O.D.		FT.
	O.D.		FT.
1	SUBS O.D.	2.79	FT.
	BIT OR C.B.		FT.
	KELLY DOWN	38.00	FT.
	TOTAL	2230.00	
	WT. OF STRING	50,000	

BIT RECORD: BIT NO. 8 — SIZE 7⅞ — MFG. HTC — TYPE OSC — NOZ. NO. 3 — SIZE 14/16 — SER. NO. 21453

MUD RECORD: TIME — WEIGHT — VISC./SEC. — W.L./C.C. — FLTR. CH. — PH — SO. CONT. %

MUD & CHEMICALS ADDED: S. DUST 15 SKS — E SEAL 25 SKS

FOOTAGE FROM	TO	DR. D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	RIG SER. JBOPS. OK
8:15	9:00	¾	FINISH RIGGING UP D.W.
9:00	11:15	2¼	RUN IN CON PLUG @ 1000', 1500' & 1868
			PLUG @ 1818
11:15	3:30	4¼	DRLG OUT PLUG #1 SLOWLY, CON. MUD EVERY 30'
3:30	4:00	½	LOST COMPLETE CIRC @ 2232 BLOW KELLY

STEEL LINE MEASUREMENT — SHOULD READ — DRILLER: J. W. Sullivan

EVENING TOUR FROM TO

No.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C.		
	I.D. O.D.		FT.
	D.C.		
	I.D. O.D.		FT.
	O.D.		FT.
	O.D.		FT.
	O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD: BIT NO. — SIZE — MFG. — TYPE — NOZ. NO. — SIZE — SER. NO. — DEPTH OUT — DEPTH IN — TOTAL FTG. — TOTAL HR. RUN — COND. OF BIT — REAMER NO. — REAMER TYPE

MUD RECORD: TIME — WEIGHT — W.L./C.C. — FLTR. CH. — VISC./SEC. — PH — SO. CONT. %

MUD & CHEMICALS ADDED: TYPE — AMT — TYPE — AMT

FOOTAGE FROM	TO	DR. D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼	SER RIG & B.O.P.s 11:15-12:00 W.O.C.
4:15	5:15	1	PULL OUT
5:15	6:15	1	RUN IN
6:15	7:00	¾	RUN PLUG #5
7:00	8:00	1	PULL OUT
8:00	11:00	3	W.O.C.
11:00	11:15	¼	RUN IN SANDLINE FEEL PLUG

STEEL LINE MEASUREMENT — SHOULD READ — DRILLER: A. McCormick

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 32 DATE FEB 11/60

WELL	LOCATION	FIELD OR AREA	PROVINCE
MURPHY CAN ALEXANDRA	60-38N 116 34E	WILDCAT	N.W.T.

CONTRACTOR: PETER BAWDEN DRLG

RIG NO. 11 DERRICK: HEF. C. MOORE

PRIME MOVERS:

DRILL PIPE SIZE 4½ TYPE TOOL JOINT

PUMPS	NO.	MANUFACTURER	LINER	STROKE
	1	OILWELL	6½	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS	NO. CDG. MPS
LAST CASING	8⅝	32#	J-55	10	10.10

TUBING OR LINER	SET AT	CEMENT	REMARKS
	338	190	4⅝ C.C.

TIME DISTRIBUTION – HOURS

	MIDN.	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		2	
REPAIRS		1/4	1/4
DEVIATION SURVEY			
TEST B.O.P.			
SLIPPING DRILLING LINE			
		3/4	
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING		1	
WAITING ON CEMENT		3½	3½
DRILL STEM TEST			
OTHER			
TRAVEL			
A. PERFORATING			
B. FLUID TEST			
C. SHOOTING			
D. FISHING			
E. ABSENTEEISM			
TOTALS		8	8

TIME SUMMARY

DAY WORK			
MIN. W/TOP			
MIN. W/O/TOP			
[illegible]			
TOTAL DAY WORK			

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE

REMARKS

MORNING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR		
No. 12	STANDS D.P.	713.48
	SINGLES D.P.	FT.
	D.C.	
	ID. O.D.	FT.
	D.C.	
	I.D. O.D.	FT.
	O.D.	FT.
	O.D.	FT.
	O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD: BIT NO., SIZE, MFG., TYPE, NOZ. NO., SIZE, SER. NO., DEPTH OUT, DEPTH IN, TOTAL FTG., TOTAL HR. RUN, COND. OF BIT, REAMER NO., REAMER TYPE

MUD RECORD: TIME, WEIGHT, VISC. SEC., W.L. C.C., FILTR. CK., PH, MD. CONT. %

MUD & CHEMICALS ADDED: TYPE, AMT, TYPE, AMT

FOOTAGE FROM	TO	DR'S REM. CORE C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD SOLD PAR. CONDITION
								6½				

DEVIATION RECORD: DEPTH, DEV., DIRECTION, DEPTH, DEV., DIRECTION, DEPTH, DEV., DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	8.00	8	WAIT ON CEMENTERS

STEEL LINE MEASUREMENT SHOULD READ DRILLER G. Hermanson

DAY TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR		
No.	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C.	
	ID. O.D.	FT.
	D.C.	
	ID. O.D.	FT.
	O.D.	FT.
	O.D.	FT.
	O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD: BIT NO., SIZE, MFG., TYPE, NOZ. NO., SIZE, SER. NO., DEPTH OUT, DEPTH IN, TOTAL FTG., TOTAL HR. RUN, COND. OF BIT, REAMER NO., REAMER TYPE

MUD RECORD: TIME, WEIGHT, VISC. SEC., W.L. C.C., FILTR. CK., PH, MD. CONT. %

MUD & CHEMICALS ADDED: TYPE, AMT, TYPE, AMT

FOOTAGE FROM	TO	DR'S REM. CORE C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD SOLD PAR. CONDITION
				Cement plug #1 FROM 2228-2016 Cemented w/60 SKS 4% CaCl, 4% Gel plug Down 11:30 AM FEB 9/60								

DEVIATION RECORD: DEPTH, DEV., DIRECTION, DEPTH, DEV., DIRECTION, DEPTH, DEV., DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	8.15	¼	R.U. SER J.B.D.T.
8.15	9.30	1¼	W/O Pipe Rams
9.30	10.30	1	Run In Open End
10.30	11.30	1	Run Plug No 1
11.30	12.30	1	Pull Out
12.30	4.00	3½	W/O Cement

STEEL LINE MEASUREMENT SHOULD READ DRILLER [illegible]

EVENING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR		
No.	ST. HWDP O.D.	FT.
	SINGLES D.P.	FT.
	D.C.	
	I.D. O.D.	FT.
	D.C.	
	ID. O.D.	FT.
	O.D.	FT.
	O.D.	FT.
	O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD: BIT NO., SIZE, MFG., TYPE, NOZ. NO., SIZE, SER. NO., DEPTH OUT, DEPTH IN, TOTAL FTG., TOTAL HR. RUN, COND. OF BIT, REAMER NO., REAMER TYPE

MUD RECORD: TIME, WEIGHT, W.L. C.C., FILTR. CK., VISC. SEC., PH, MD. CONT. %

MUD & CHEMICALS ADDED: TYPE, AMT, TYPE, AMT

FOOTAGE FROM	TO	DR'S REM. CORE C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD SOLD PAR. CONDITION
	2234											

DEVIATION RECORD: DEPTH, DEV., DIRECTION, DEPTH, DEV., DIRECTION, DEPTH, DEV., DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4.00	4.15	¼	SER P.I.G
4.15	4.30	¼	W.O.C
4.30	12.00	7½	W.O. HIGH CLOCH

STEEL LINE MEASUREMENT SHOULD READ DRILLER A. McCormick

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 21 DATE FEB 10/60

WELL: MURPHY CAN ALEXANDRA #1

LOCATION: 60-38N 116 34E

FIELD OR AREA: WILD CAT

PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN #12

RIG NO.: 12

DERRICK: LEE C. MOORE

PUMPS	NO.	MANUFACTURER	LINER	STROKE
	1	OILWELL 214P	6 1/2	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS.	HT. CSG. HD.
LAST CASING	8 5/8	24#	J55	10	10.10
TUBING OR LINER	SET AT	CEMENT	REMARKS		
	338	140	4% C.C.		

DRILL PIPE STRING: SIZE / TYPE TOOL JOINT

PRIME MOVERS

TIME DISTRIBUTION — HOURS

	MORN	DAY	EVE
DIS. UP OF YEAR BOOK			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING	3 3/4		
TRIPS	1 1/2		
SERVICE	1/4	1/4	1/4
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIRS			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENT MIXED			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER		7 3/4	7 3/4
FISHING			
COMPUTING TIME: A. PERFORATING			
B. TUBING TEST			
C. STIMULATION			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY

DAY WORK

MOB. W/OP

MOB. WO/OP

MOB

TOTAL DAY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [illegible]

REMARKS

MORNING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR: No. 12

STANDS D.P. 7.13.78

SINGLES D.P. FT.

D.C. FT.

D.C. FT.

D.C. FT.

D.C. FT.

D.C. FT.

D.C. FT.

SUBS FT.

BIT OR C.B. FT.

KELLY DOWN FT.

TOTAL FT.

WT. OF STRING LBS.

BIT RECORD: BIT NO. / SIZE / MFG. / TYPE / NOZ. NO. / SIZE / SER. NO. / DEPTH OUT / DEPTH IN / TOTAL FTG. / TOTAL HR. RUN / COND. OF BIT / REAMER NO. / REAMER TYPE

MUD RECORD: TIME 3:00 / WEIGHT 8.4 / VISC. SEC. 50 / W.L. C.C. / FILTR. CK. / PH / SOL. CONT. %

MUD & CHEMICALS ADDED: 250# PHASTER; 500# CFL; 500# MULO GEL; 5 SKS SAWDUST

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

FOOTAGE / FORMATION (SHOW CORE RECOVERY) / ROTARY RPM / WT. ON BIT 1000# / PUMP PRESS / PUMP NO. LINER SIZE 6 1/2 / S.P.M. / PUMP NO. LINER SIZE / S.P.M. / METHOD

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	1/4	SER RIG - CHECK B.O.P.S
12:15	12:45	1/2	CIRC ON BOTTOM - DISPLACE MUD IN HOLE
12:45	1:15	1/2	LAST CIRC - PULL UP TO 1250'
1:15	4:30	3 1/4	COND MUD
4:30	5:30	1	NO MUD RETURNS - PULL OUT - RUN IN 12 STANDS OPEN END
5:30	8:00	2 1/2	WAIT ON CEMENTERS

STEEL LINE MEASUREMENT / SHOULD READ / DRILLER: J. Ottenger

DAY TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR: No.

STANDS D.P. FT.

SINGLES D.P. FT.

D.C. FT.

D.C. FT.

D.C. FT.

D.C. FT.

D.C. FT.

SUBS FT.

BIT OR C.B. FT.

KELLY DOWN FT.

TOTAL FT.

WT. OF STRING LBS.

BIT RECORD: BIT NO. / SIZE / MFG. / TYPE / NOZ. NO. / SIZE / SER. NO. / DEPTH OUT / DEPTH IN / TOTAL FTG. / TOTAL HR. RUN / COND. OF BIT / REAMER NO. / REAMER TYPE

MUD RECORD: TIME / WEIGHT / VISC. SEC. / W.L. C.C. / FILTR. CK. / PH / SOL. CONT. %

MUD & CHEMICALS ADDED: Nil

FOOTAGE: FROM / TO 2234

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	1/4	RIG SER / B.O.P. OK
8:15	4:00	7 3/4	WAITING ON CEMENTERS

STEEL LINE MEASUREMENT / SHOULD READ / DRILLER: W.H. Buckley

EVENING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR: No.

STANDS D.P. FT.

SINGLES D.P. FT.

D.C. FT.

D.C. FT.

D.C. FT.

D.C. FT.

D.C. FT.

SUBS FT.

BIT OR C.B. FT.

KELLY DOWN FT.

TOTAL FT.

WT. OF STRING LBS.

BIT RECORD: BIT NO. / SIZE / MFG. / TYPE / NOZ. NO. / SIZE / SER. NO. / DEPTH OUT / DEPTH IN / TOTAL FTG. / TOTAL HR. RUN / COND. OF BIT / REAMER NO. / REAMER TYPE

MUD RECORD: TIME / WEIGHT / W.L. C.C. / FILTR. CK. / VISC. SEC. / PH / SOL. CONT. %

MUD & CHEMICALS ADDED

FOOTAGE: FROM / TO 2234

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	1/4	SER RIG & B.O.P.S
4:15	7 3/4		WAIT ON CEMENTERS

STEEL LINE MEASUREMENT / SHOULD READ / DRILLER: A. McCormick

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 30 DATE 9-2-60

WELL: Murphy Can. Alexander #1

LOCATION: 60-38N 1W 34E

FIELD OR AREA: Wildcat

PROVINCE: N.W.T.

CONTRACTOR: Peter Brandel

RIG NO.: 11

DERRICK: Lee C Moore

PUMPS	NO.	MANUFACTURER	LINER	STROKE
	1	O-Wemco	6 1/2	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS.	NO. DYS. NO.
LAST CASING	8 5/8	J55	24#	10	10.10
TUBING OR LINER	SET AT 338	CEMENT 190 SX	REMARKS 4% Calc		

DRILL PIPE STRING: 4 1/2 SIZE — TYPE TOOL JOINT: A.H. — PRIME MOVERS

TIME DISTRIBUTION — HOURS

	HOURS	DAY	EVE
Drilling		3 1/4	
Reaming		1/4	
Conditioning mud & circulating			8
Trips		2	
Service			
Deviation			
Test B.O.P.			
Cut drilling line			
Repair			
Other			
Wire line logging			
Running casing & cementing			
Waiting on cement			
Drill stem test			
Other		8 1/2	
Fishing			
A. Perforating			
B. Running tubing			
C. Swabbing			
D. Testing			
E. Additional			
TOTALS		8	8

TIME SUMMARY

Day work	
Hrs. w/o	
Hrs.	
Hrs.	
Total day work	

Signature of contractor's representative

Signature of operator's representative: [illegible]

Remarks

MORNING TOUR FROM — TO

No.	Drilling assembly at end of tour	
	Stands D.P.	ft.
	Singles D.P.	ft.
	D.C.	
	I.D. O.D.	ft.
	D.C.	
	I.D. O.D.	ft.
	D.P.	ft.
	O.D.	ft.
	O.D.	ft.
	Subs O.D.	ft.
	Bit or C.B.	ft.
	Kelly down	ft.
	Total	ft.
	Wt. of string	lbs.

Bit record	
Bit no.	7
Size	7 7/8
Mfg.	HTC
Type	SSC
Nozz. No.	CUT
Size	CUT
Dep. no.	5307
Depth out	
Depth in	
Total ftg.	
Total hr. run	
Cond. of bit	
Reamer no.	
Reamer type	

Mud record	
Time	
Weight	
Visc. sec.	
W.L.C.C.	
Flt. cr.	
pH	
No. cont. %	

Mud & chemicals added	Amt	Type	Amt
Gel		10 sx	
Sawdust		5 sx	

Footage From	To	Dr. time min.	Core-c	Core no.	Formation (Show core recovery)	Rotary rpm	Wt. on bit 1000#	Pump press.	Pump no. Liner size	S.P.M.	Pump no. Liner size	S.P.M.	Method
2205									6 1/2				

Deviation record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time log From	To	Elapsed time	Details of operations in sequence and remarks
12:00	8:00	8	Waiting on water. Repair weld to casing head. Drill rig up for volume. Ck. BOP's OK

Steel line measurement — Should read — Driller: [illegible]

DAY TOUR FROM — TO

No.	Drilling assembly at end of tour	
30	Stands D.P.	1787.45
1	Singles D.P.	29.59
	D.C.	
12	6 1/8 I.D. O.D.	372.07
	D.C.	
	I.D. O.D.	ft.
	O.D.	ft.
	O.D.	ft.
	O.D.	ft.
1	Subs 5 3/8 O.D.	2.79
	Bit or C.B.	ft.
	Kelly down	42.00
	Total	2234.00
	Wt. of string	50,000

Bit record	
Bit no.	7
Size	7 7/8
Mfg.	HTC
Type	OWN
Nozz. No.	CUT
Size	CUT
Dep. no.	5307
Depth out	
Depth in	2205
Total ftg.	29
Total hr. run	3 1/4
Cond. of bit	IN
Reamer no.	
Reamer type	

Mud record	1	2	3
Time	11.00	12.00	2.00
Weight	10.0	10.0	10.0
Visc. sec.	90	125	145
W.L.C.C.	9.8	8.6	8.6
Flt. cr.	2/32		
pH	8.5		
No. cont. %			

Mud & chemicals added	Amt	Type	Amt
Gel	1500#		
S. Dust	125 sks		

Footage From	To	Dr. time min.	Core-c	Core no.	Formation (Show core recovery)	Rotary rpm	Wt. on bit 1000#	Pump press.	Pump no. Liner size	S.P.M.	Pump no. Liner size	S.P.M.	Method
2205	2234				Limestone & Anhy	80	22	600	6 1/2	56	✓	✓	✓

Deviation record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	2205	2 3/4							

Time log From	To	Elapsed time	Details of operations in sequence and remarks
8:00	9:30	1 1/2	Repair weld to casing head. Rig down JBOP
9:30	10:15	3/4	Run in w/ bit #7
10:15	10:30	1/4	Clean up drill
10:30	1:00	2 1/2	Drlg.
1:00	1:30	1/2	Circ Sample @ 2229
1:30	2:15	3/4	Drlg
2:15	2:45	1/2	Circ Sample @ 2234

245 - 4:00 - 4 1/4 Pull up to Casing. Change over Mud.

Steel line measurement — Should read — Driller: [illegible]

EVENING TOUR FROM — TO

No.	Drilling assembly at end of tour	
30	Stands D.P.	1787.45
1	Singles D.P.	29.59
	D.C.	
12	6 1/8 I.D. O.D.	372.07
	D.C.	
	I.D. O.D.	ft.
	O.D.	ft.
	O.D.	ft.
	O.D.	ft.
1	Subs 5 3/8 O.D.	2.79
	Bit or C.B.	ft.
	Kelly down	42.00
	Total	2234.00
	Wt. of string	50,000

Bit record	
Bit no.	7
Size	7 7/8
Mfg.	HTC
Type	OWN
Nozz. No.	CUT
Size	OUT
Dep. no.	5307
Depth out	
Depth in	2205
Total ftg.	29
Total hr. run	3 1/4
Cond. of bit	IN
Reamer no.	
Reamer type	

Mud record
Time
Weight
W.L.C.C.
Flt. cr.
Visc. sec.
pH
No. cont. %

Mud & chemicals added	Amt	Type	Amt
Starch	25	sks	
Plaster	17	sks	
~~Gel~~			~~Hrs~~

Footage From	To	Dr. time min.	Core-c	Core no.	Formation (Show core recovery)
2234					Anhy

Deviation record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time log From	To	Elapsed time	Details of operations in sequence and remarks
4:00	12:00	8	Change over mud in 3 intervals

Steel line measurement — Should read — Driller: A. McCormick

AMUREX OIL COMPANY — DAILY DRILLING REPORT — FEB 17 1960

REPORT NO. 29 — DATE 8-2-60

WELL: Murphy Can. Alexander #1 Peter Boarden

LOCATION: 60-38 N 116-34 W

FIELD OR AREA: Wildcat

PROVINCE: N.W.T.

CONTRACTOR: Rig No. 1 — Derrick: R.C. Moore

PUMPS: 1 Oweco 614P, Liner 6 1/2, Stroke 14

	Size	Weight	Grade	No. Jts.	No. Cplg. No.
Last Casing	8 5/8	24#	J55	10	10.10
Tubing or Liner	338	190	[redacted]	4 1/2 Cpl.	

Drill Pipe Size: 4 1/2 — Type Tool Joint: P.H.

Prime Movers:

Time Distribution — Hours

	Morn	Day	Eve
Make up & Tear Down			
Drilling Actual	4 1/2	16 3/4	1 1/4
Reaming	3/4		
Conditioning Mud & Circulating	3/4	1 1/2	
Trips	3 1/4		
Service	1 1/4	1/4	1/4
Deviation Survey			
Test B.P.			
Cut Drill Line			
Repair			
Coring	3 1/4		
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other	3 1/4		
Fishing			
Completion Work: A. Perforating			
B. Tubing Tools			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	16 1/2	

Time Summary: Day Work — Mud W/Dp — Mud — Mpd

Total Day Work

Signature of Contractor's Representative: [illegible]

Signature of Operator's Representative: [illegible]

Remarks

Morning Tour From — To

Drilling Assembly at End of Tour:

No.			
29 1/2	Stands D.P.	1758.42	
	Singles D.P.		ft
	D.C. 6 1/8 I.D. O.D.		ft
12		372.07	
	D.C. I.D. O.D.		ft
	O.D.		ft
	O.D.		ft
	O.D.		ft
1	Subs O.D.	2.79	ft
	Bit or C.B.		ft
	Kelly Down	36	ft
	Total	2170	
	Wt. of String	51000	lbs

Bit Record:

Bit No.	Core #2	6
Size	6 1/8	7 7/8
Mfg.		HTC
Type	D	W7R
Nozz. No.		Cut
Size		Out
Ser. No.	23/3	7862
Depth Out	2	
Depth In		2145
Total Ftg.	7	
Total Hr. Run	7	3 1/4
Cond. of Bit	RR	
Reamer No.		
Reamer Type		

Mud Record:

Time	12 30		7 00
Weight	10.1		10.1
Visc.-Sec.	84		82
W.L.-C.C.	8.2		8.
Flt. Cr.			
pH	7.		8.5
Sd. Cont. %			

Mud & Chemicals Added:

Type	Amt	Type	Amt
Sesbene	100#		
Caustic	5#		

Footage / Formation:

From	To	Dr. D Rm. R Core C	Core No.	Formation (Show Core Recovery)	Rotary RPM	Wt. on Bit 1000#	Pump Press.	Liner Size	S.P.M.	Liner Size	S.P.M.	Method
2163	2164	C	1	Lime 100% Rec. 1'	95	10	600	6 1/2	33			
2145	2164	R	19'		90	5	600					
2164	6	D	21/0		90	10	600	6 1/2	95			

Deviation Record: Depth — Dev. — Direction

Time Log:

From	To	Elapsed Time	Details of Operations in Sequence and Remarks
12 00	1245	3/4	Coring
1245	200	1 1/4	Pull Core #1
200	300	1	Set Core & Ser. Rig. - OK BOP
300	400	1	Run in
400	600	2	Ream Rathole
600	630	1/2	Core w/o orders
630	800	1 1/2	

Steel Line Measurement: Should Read: Driller: Frank Lantal

Day Tour From — To

Drilling Assembly at End of Tour:

No.			
30	Stands D.P.	1788.39	
	Singles D.P.		ft
	D.C. 6 1/8 I.D. O.D.	372.07	
	D.C. I.D. O.D.		ft
	O.D.		ft
	O.D.		ft
1	Subs 5 3/4 O.D.	2.79	ft
	Bit or C.B.		ft
	Kelly Down	37.00	ft
	Total	2200.	ft
	Wt. of String	57,000	lbs

Bit Record:

Bit No.	6	
Size	7 7/8	
Mfg.	HTC	
Type	W7R	
Nozz. No.	Cut	
Size	Out	
Ser. No.	7862	
Depth Out		
Depth In	2145	
Total Ftg.	55	
Total Hr. Run	9 3/4	
Cond. of Bit	DRLG	
Reamer No.		
Reamer Type		

Mud Record:

Time	800	1100	200
Weight	10.1	10.1	10.2
Visc.-Sec.	86	81	75
W.L.-C.C.	8.4	8.4	8.8
Flt. Cr.	4 3/32	T 3/32	
pH	9.0	9.0	
Sd. Cont. %			

Mud & Chemicals Added:

Type	Amt	Type	Amt
S. Dust	20 sks		
Gel	200 #		

Footage / Formation:

From	To	Dr. D Rm. R Core C	Core No.	Formation (Show Core Recovery)	Rotary RPM	Wt. on Bit 1000#	Pump Press.	Liner Size	S.P.M.	Liner Size	S.P.M.	Method
2170	2200	D	30	Limestone	85	20	700	6 1/2	52	✓	✓	✓

Deviation Record: Depth — Dev. — Direction

Time Log:

From	To	Elapsed Time	Details of Operations in Sequence and Remarks
800	915	1 1/4	Drlg
915	930	1/4	Rig Ser. VBOP.
930	100	3/4	Drlg. Losing Volume Slowly
100	230	1 1/2	Building Volume
230	400	1 1/2	Drlg

Steel Line Measurement: Should Read: Driller: [illegible]

Evening Tour From — To

Drilling Assembly at End of Tour:

No.			
30	Stands D.P.	1788.39	
	Singles D.P.		ft
12	D.C. 6 1/8 O.D.	372.07	
	D.C. I.D. O.D.		ft
	O.D.		ft
	O.D.		ft
	O.D.		ft
1	Subs 5 3/4 O.D.	2.79	ft
	Bit or C.B.		ft
	Kelly Down	42.00	ft
	Total	2205	ft
	Wt. of String	57,000	lbs

Bit Record:

Bit No.	6	7
Size	7 7/8	7 7/8
Mfg.	HTC	HTC
Type	W7R	OWV
Nozz. No.	Cut	Cut
Size	Out	Out
Ser. No.	7862	5307
Depth Out	2205	
Depth In	2145	2205
Total Ftg.	60	
Total Hr. Run	11	0
Cond. of Bit		
Reamer No.		
Reamer Type		

Mud Record:

Time	
Weight	10
Visc.-Sec.	78
W.L.-C.C.	3/32
Flt. Cr.	82
pH	6
Sd. Cont. %	

Mud & Chemicals Added:

Type	Amt	Type	Amt

Footage / Formation:

From	To	Dr. D Rm. R Core C	Core No.	Formation (Show Core Recovery)	Rotary RPM	Wt. on Bit 1000#	Pump Press.	Liner Size	S.P.M.	Liner Size	S.P.M.	Method
2205	2205			Lime	55	20	700	6 1/2	52			

Deviation Record: Depth 2205 — Dev. 2 3/4 — Direction

Time Log:

From	To	Elapsed Time	Details of Operations in Sequence and Remarks
1100	1200	1/4	Ser. Rig
1200	515	1	Drilling
515	630	1 1/4	Pull out
630	1200		Slip & Cut Line Check BOP
			Wait on Water

Steel Line Measurement: Should Read: Driller: O. McCormick

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 28 DATE 7-2-60

WELL: Mighty Cap. Alexander #1
LOCATION: 60-38-8-11-SHL
FIELD OR AREA: Wildcat
PROVINCE: Utah

CONTRACTOR: Peter Rowden
RIG NO. / DERRICK: Lee C. Moore

PUMPS	NO.	MANUFACTURER	LINER	STROKE
	1	Oweil 214P	6 1/2	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS.	NO. CSG. NO.
LAST CASING	8 5/8	24#	J55	10	10.00
TUBING	SET AT	CEMENT	REMARKS		
OR LINER	303.8	190	4 1/2 Csg.		

DRILL PIPE STRING: SIZE 4 1/2 TYPE TOOL JOINT Std.
PRIME MOVERS

TIME DISTRIBUTION – HOURS

	WORK	DAY	EVE.
Rig Up & Tear Down			
Drilling Actual	2		
Washing	1		
Conditioning Mud & Circulating			
Trips	2 3/4	1 3/4	
Service		3/4	
Deviation Survey	1/4		
Test B.O.P.	1/2	1/4	
Set Cement Plug			
Ream	1/4		
Wait on Cement		3 3/4	
Run & Cement Casing			
Rig Up Casing & Cementing			
Cutting Out Cement			
Drill Stem Test			
Other	3	2	
Fishing			
A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
TOTALS	8	5	

TIME SUMMARY

	WORK	DAY	EVE.
Day Work			
Hrs. W/Day			
Hrs.			
Hrs.			
Total Day Work			

Signature of Contractor's Representative

Signature of Operator's Representative: Emon Shanlungue

Remarks

MORNING TOUR FROM TO

No.	Drilling Assembly at End of Tour	
29	Stands D.P.	
	Singles D.P.	ft
12	D.C. 6 1/8	372.07
1	Junk Sub 6 1/4 O.D.	2.15
	O.D.	ft
	O.D.	ft
1	Subs O.D.	2.79 ft
	Bit or C.B.	ft
	Kelly Down	40.00 ft
	Total	9145 ft
	Wt. of String	37000 lbs

Bit Record	
Bit No.	3
Size	7 7/8
Mfg.	LTC
Type	OSC3G
Noz. No.	
Size	out out
Ser. No.	8783
Depth Out	2145
Depth In	2120
Total Ftg.	25
Total Hr. Run	2
Cond. of Bit	TEETH DULLED OFF
Reamer No.	
Reamer Type	

Mud Record			
Time	12 30	200	700
Weight	10.2	10.2	10.3
Visc.-Sec.	61	67	92
W.L. C.C.		10.6	
Filtr. Cl.			
pH		7.5	
So. Cont. %			

Mud & Chemicals Added			
Type	Amt	Type	Amt
Gel	1500		

DAY TOUR FROM TO

No.	Drilling Assembly at End of Tour	
30	Stands D.P.	1833.27
1	Singles D.P.	29.60
8	D.C. 6 1/4 O.D.	247.35
	D.C.	
	O.D.	ft
	O.D.	ft
	O.D.	ft
1	Subs O.D.	2.79 ft
	Bit or C.B.	56.42
	Kelly Down	27.00 ft
	Total	2151 ft
	Wt. of String	50000 lbs

Bit Record	
Bit No.	6
Size	6 1/8
Mfg.	Hycalog
Type	G
Noz. No.	
Size	
Ser. No.	2363
Depth Out	
Depth In	2145
Total Ftg.	6
Total Hr. Run	3 3/4
Cond. of Bit	
Reamer No.	
Reamer Type	

Mud Record			
Time	1230	300	700
Weight	10.1	10.2	10.1
Visc.-Sec.	123	180	50
W.L. C.C.			
Filtr. Cl.			
pH	8.0	8.0	8.0
So. Cont. %			

Mud & Chemicals Added			
Type	Amt	Type	Amt
Alc			
Smooth Sweep			
Diatex			

EVENING TOUR FROM TO

No.	Drilling Assembly at End of Tour	
	Stands D.P.	1817.27
	Singles D.P.	ft
8	D.C.	247.87
	D.C.	
	O.D.	ft
	O.D.	ft
	O.D.	ft
1	Subs O.D.	2.79 ft
	Bit or C.B.	56.42
	Kelly Down	39.00 ft
	Total	2163 ft
	Wt. of String	50000 lbs

Bit Record	
Bit No.	6
Size	6 1/8
Mfg.	Hycalog
Type	G
Noz. No.	
Size	1-3
Ser. No.	2363
Depth Out	
Depth In	
Total Ftg.	
Total Hr. Run	11 1/2
Cond. of Bit	
Reamer No.	
Reamer Type	

Mud Record			
Time			
Weight	10.1	10.1	10.1
W.L. C.C.		8.3	
Filtr. Cl.			
Visc.-Sec.	96	90	92
pH		6.8	
So. Cont. %			

Mud & Chemicals Added			
Type	Amt	Type	Amt
Sperse		50	1 1/2
Caustic		25	1/2

Footage / Formation

From	To	Dr. D. Run or Core-C	Core No.	Formation (Show Core Recovery)	Rotary RPM	Wt. on Bit 1000#	Pump Press.	Liner Size	S.P.M.	Liner Size	S.P.M.	Method Mud & Control
2110	2145	D		Shale & Lime	175	6		6 1/2				

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	2145	3 1/4°							

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
12 00	12 30	1/2	Wash to Bottom
12 30	7 30	2	Drilling (Mud Wt.)
2 30	3 15	3/4	Circ. Samples
3 15	5 00	1 3/4	Survey; Measure out
5 00	5 45	3/4	Close BOPs & Repair Tongs
5 45	6 45	1	Run in Junk Sub, 6 27 ft Clean 12 ft to Bottom
6 45	7 45	1	Work Junk Sub 7 45 5 00 Start out

Steel Line Measurement: 2124.62 Should Read: 2145.41 Driller: [illegible]

Footage From	To	Dr. D. Run or Core-C	Core No.	Formation (Show Core Recovery)	Rotary RPM	Wt. on Bit 1000#	Pump Press.	Liner Size	S.P.M.	Liner Size	S.P.M.	Method Mud & Control
2145	2151	Circ.		Lime	80	10	750	1 1/2	33	✓	✓	
		C										

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	2145	3 1/2°							

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
8 00	8 45	3/4	Finish Out w/ Junk Sub
8 45	9 15	1/2	Rig Ser. Pump OK
9 15	10 30	1 1/4	Pick up Core Bbl. Ser. Samp.
10 30	11 30	1	Run in Break Circ 1200'
11 30	12 15	3/4	Work Market
12 10	4 00	3 3/4	Cutting Core #1

Steel Line Measurement: Should Read: Driller: [illegible]

Footage From	To	Dr. D. Run or Core-C	Core No.	Formation (Show Core Recovery)	Rotary RPM	Wt. on Bit 1000#	Pump Press.	Liner Size	S.P.M.	Liner Size	S.P.M.	Method Mud & Control
2151	2163				95	10	700	6 1/2	33			

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
11 00	11 15	1/4	Ser Rig
11 15	12 00	7 3/4	Coring #1

Steel Line Measurement: Should Read: Driller: [illegible]

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 27 DATE Feb 4 /60

WELL: MURPHY CANADA ALEX #1

LOCATION: L.O. 38 N.T. 111 54E

FIELD OR AREA: WILDCAT

PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING

RIG NO. 11 DERRICK: LEE C MOORE

PUMPS	NO	MANUFACTURER	LINER	STROKE
	1	Oilwell 214P	6½	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS.	KB ELEV.
LAST CASING	8⅝	24	J-55	10	10-10
	SET AT	CEMENT	REMARKS		
TUBING OR LINER	338	190	4% Gelc		

DRILL PIPE STRING: 4½ TYPE TOOL JOINT: FH PRIME MOVERS:

TIME DISTRIBUTION — HOURS

	HOURS	DAY	EVE.
Morning Tour From	4	1/4	1 1/4
	6 1/2	2 1/4	1 1/2
	3	1/4	3
		1/4	1/4
			1 3/4
Day Tour From	5	3/4	1/2
	9	8	8
Evening Tour From			

TIME SUMMARY

TOTAL DAY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Lee Stevenson

Morning Tour From

DRILLING ASSEMBLY AT END OF TOUR

No.			
	Stands D.P.		ft.
	Singles D.P.		ft.
	D.C.		ft.
	D.C.		ft.
	Kelly Down		ft.
	Total		ft.
	Wt. of String		lbs.

BIT RECORD

Bit No.	4	3A
Size	7⅞	7⅞
Mfg.	HTC	HTC
Type	OSC	OSC
Nozzles	3	
	4/16	
Ser. No.	91447	91514
Depth Out	2110	
Total Ftg.		RR
Cond. of Bit	New	

MUD RECORD

Time	
Weight	
Vis. Sec.	
W.L. cc	
Flr. Ca.	
Cont.	
Footage From	2110

MUD & CHEMICALS ADDED

Type	Amt.	Type	Amt.
WT MTRL	200 lbs		

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

From	To	Dr. Hrs.	Core No.	Formation
2110				

DEVIATION RECORD

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

TIME LOG

From	To	Elapsed Time	Details of Operations in Sequence and Remarks
12:00	2:00	2	Cond Mud To Kill Well
2:00	4:00	2	Pump Down Mud To Kill Well
4:30	5:30	2½	Thaw Out Standpipe + Pull Out
5:30	8:00	2½	Run In Hole Without Out Bit
			Circ Every 3 Stands

STEEL LINE MEASUREMENT SHOULD READ DRILLER: A McCormick

Day Tour From

DRILLING ASSEMBLY AT END OF TOUR

No.			
28	Stands D.P.		ft.
1/4	Singles D.P.		ft.
12	D.C. 6 1/8	372.07	ft.
	D.C.		ft.
	Kelly Down		ft.
	Total		ft.
	Wt. of String		lbs.

BIT RECORD

Bit No.	3A	
Size	7⅞	
Mfg.	HTC	
Type	OSCIG	
Nozzles	Out	
Ser. No.	9:541	
Depth Out		
Depth In	2110	
Total Ftg.		
Total Hrs. Run		
Cond. of Bit	RC	

MUD RECORD

Time		
Weight	10.3	10.2
Vis. Sec.	120	45
W.L. cc		12.7
Flr. Ca.		
Cont.	2	

MUD & CHEMICALS ADDED

Type	Amt.	Type	Amt.
Gel	20		
Fiber Seal	35 sx		
Sandout	15 sx		

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

From	To	Dr. Hrs.	Core No.	Formation	Rotary RPM	Wt. on Bit 1000#	Pump Press.	Liner Size	S.P.M.	Liner Size	S.P.M.
2110	2116	6			175			6½			

DEVIATION RECORD

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

TIME LOG

From	To	Elapsed Time	Details of Operations in Sequence and Remarks
8:00	8:15	1/4	Ck. Bits & Service Crew
8:15	11:00	2 3/4	Finish In (Circ & Cond. Mud Blind 190)
11:00	11:45	3/4	Cleaning 20" Cavities To Bond
11:45	12:00	1/4	Drilling (Partial Lost Circ)
12:00	4:00	4	Cond. Mud (Loss Cut & Partial Lost Circ)

STEEL LINE MEASUREMENT SHOULD READ DRILLER: [illegible]

Evening Tour From

DRILLING ASSEMBLY AT END OF TOUR

No.			
29	Stands D.P.	1718.04	ft.
	Singles D.P.		ft.
12	D.C. 6 1/8	372.07	ft.
	D.C.		ft.
	Kelly Down	12.00	ft.
	Total	2120.00	ft.
	Wt. of String	54,000	lbs.

BIT RECORD

Bit No.	3A	5
Size	7⅞	7⅞
Mfg.	HTC	HTC
Type	OSCIG	OSCIG
Nozzles	Out	Out
	Out	Out
Ser. No.	RR	86783
Depth Out	2120	
Depth In	2110	2120
Total Ftg.	10	
Total Hrs. Run	2	
Cond. of Bit	Locking	

MUD RECORD

Time	430	830
Weight	9.8	9.8
Vis. Sec.	62	53
Cont.		

MUD & CHEMICALS ADDED

Type	Amt.	Type	Amt.
Gel	300#		

FOOTAGE / FORMATION (SHOW CORE RECOVERY)

From	To	Dr. Hrs.	Core No.	Formation	Rotary RPM	Wt. on Bit 1000#	Pump Press.	Liner Size	S.P.M.	Liner Size	S.P.M.
2116	2120	1/4		Lime	120	8	105	6½	52		

DEVIATION RECORD

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
2105	3 1/8							

TIME LOG

From	To	Elapsed Time	Details of Operations in Sequence and Remarks
4:00	4:15	1/4	Rig Ser. Vacc. Ck.
4:15	5:30	1 1/2	Cond. Mud.
5:30	6:15	3/4	Drlg
6:15	8:00	1 3/4	Replace Main Drive Chain
8:00	8:30	1/2	Drlg
8:30	9:00	1/2	Circ Sample @ 2120
9:00	12:00	3	Tripping For New Bit

STEEL LINE MEASUREMENT SHOULD READ DRILLER: [illegible]

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 26 DATE Feb 5 60

WELL: MURPHY CANADA ALEX # 1
LOCATION: 60 38 N 114 54 E
FIELD OR AREA: WILDCAT
PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING
RIG NO.: 11
DERRICK: LEE C MOORE

PUMPS	NO.	MANUFACTURER	LINER	STROKE
	1	Oilwell 214P	6½	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS.	NO. CON. NO.
LAST CASING	8⅝	24	J-55	10	10-60
TURING OR LINER	338	170	4 ⅝	CALE	

DRILL PIPE STRING: SIZE 4½ TYPE TOOL JOINT FH
PRIME MOVERS

TIME DISTRIBUTION — HOURS

	HOURS	DAY	EVE.
RIG UP & TEAR DOWN			
DRILLING ACTUAL	6¾	2	
REAMING			
CONDITIONING AND CIRCULATING		3½	3½
TRIPS		1	4
SURVEYS	¼		
STRATIGRAPHIC DRILLING	1	½	
REP. & MAIN.			
CUT OFF & SLIP DRILL LINE			
[illegible]			
[illegible]			
WIRELINE LOGGING			
RUNNING CASING & CEMENTING			
CEMENTING WITH CEMENT			
DRILL STEM TEST			
OTHER			½
[illegible]			
[illegible]			
[illegible]			
[illegible]			
[illegible]			
TOTALS	8	8	8

TIME SUMMARY

DAY WORK
MIL. W/OP
[illegible]
[illegible]

TOTAL DAY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE: [illegible]

SIGNATURE OF AMUREX REPRESENTATIVE: [illegible]

MORNING TOUR FROM — TO

No.	DRILLING ASSEMBLY AT END OF TOUR		
28	STANDS D.P.	1464.52	
	SINGLES D.P.		ft.
	D.C.		
12	4⅞ o.d.	372.07	
	D.C.		
	i.d. o.d.		ft.
	o.d.		ft.
	o.d.		ft.
	i.d.		ft.
1	Bit 6⅜ o.d.	2.79	
	Bit or C.O.		ft.
	Kelly down	42.00	
	Total	2084	ft.
	Wt. of string	44,000	lbs.

BIT RECORD	
Bit No.	3
Size	7⅞
Mfg.	HTC
Type	OSC3
Nos.	11/16
Ser. No.	95437
Depth out	
Depth in	1533
Total ftg.	553
Total hr. run	9¾
Cond. of bit	
Reamer No.	
Reamer type	

MUD RECORD			
Time	2	4	6
Weight			
Visc.-sec.	58	58	59
W.L.-c.c.	10.4	10.4	10.4
Filtr. ch.			
pH	11		
No. cont.			

MUD & CHEMICALS ADDED: TYPE / AMT / TYPE / AMT

FOOTAGE FROM	TO	Dr. B Bit-B Core-C	Core No.	FORMATION (Show core recovery)	Rotary rpm	Wt. on bit	Pump pressure	Pump No. Liner size	S.P.M.	Pump No. Liner size	S.P.M.	Method
1740	2084	346		SHALE	220	15	775	6¼	60	6¼		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1848	4⅞		1878	5⅞		1937	4¼	

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	SER RIG-CHECK BOPs 4¹⁵-4⁰⁰ DRILL
12¹⁵	1⁰⁰	1	DRILL 4⁰⁰-4¹⁵ SERVEY
1¹⁵	1³⁰	¼	SERVEY 4¹⁵-8⁰⁰ DRILL
1³⁰	1⁴⁵	¼	DRILL
1⁴⁵	2⁰⁰	¼	SERVEY
2⁰⁰	4⁰⁰	2	DRILL
4⁰⁰	4¹⁵	¼	SERVEY

STEEL LINE MEASUREMENT: SHOULD READ: DRILLER: C. McCormick

DAY TOUR FROM — TO

No.	DRILLING ASSEMBLY AT END OF TOUR		
39	STANDS D.P.	1728.55	
	SINGLES D.P.		ft.
	D.C.		
12	6⅛ o.d.	372.07	
	D.C.		
	i.d. o.d.		ft.
	o.d.		ft.
	o.d.		ft.
	i.d.		ft.
1	Bit 6⅜ o.d.	2.79	
	Bit or C.O.		ft.
	Kelly down	7	ft.
	Total	2110.41	ft.
	Wt. of string	45000	lbs.

BIT RECORD	
Bit No.	3
Size	7⅞
Mfg.	HTC
Type	OSC3
Nos.	11/16
Ser. No.	95437
Depth out	2033
Depth in	2110
Total ftg.	77
Total hr. run	11¾
Cond. of bit	LOSSE
Reamer No.	
Reamer type	

MUD RECORD		
Time	9⁰⁰	2⁰⁰
Weight	10.8	9.7
Visc.-sec.	58	82
W.L.-c.c.		12cc
Filtr. ch.		
pH	11.	9.
No. cont.		

MUD & CHEMICALS ADDED: Gel 4000 lb; S/Dust 15 sk; Aertex 1 sk

FOOTAGE FROM	TO	Dr. B Bit-B Core-C	Core No.	FORMATION (Show core recovery)	Rotary rpm	Wt. on bit	Pump pressure	Pump No. Liner size	S.P.M.	Pump No. Liner size	S.P.M.	Method
2086	2110			Shale & Lime Streaks	120	5	600	6¼				

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2086	3¾°		2110	3⅛°				

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
6⁰⁰	8¹⁵	1¼	Survey & Check BOPs
8¹⁵	10¹⁵	2	
10¹⁵	1⁴⁵	3½	
1⁴⁵	2⁴⁵	1	
2⁴⁵	4⁰⁰	1¼	E. Log

STEEL LINE MEASUREMENT: SHOULD READ: DRILLER: [illegible]

EVENING TOUR FROM — TO

No.	DRILLING ASSEMBLY AT END OF TOUR		
39	STANDS D.P.	1728.55	
	SINGLES D.P.		ft.
	D.C.		
12	6⅛ o.d.	372.07	
	D.C.		
	i.d. o.d.		ft.
	o.d.		ft.
	o.d.		ft.
	i.d.		ft.
1	Bit 5⅞ o.d.	2.79	
	Bit or C.O.		ft.
	Kelly down	7.00	
	Total	2110.41	ft.
	Wt. of string	46000	lbs.

BIT RECORD	
Bit No.	4
Size	7⅞
Mfg.	HTC
Type	OSC
Nos.	3
Size	11/16
Ser. No.	94447
Depth out	
Depth in	2110
Total ftg.	
Total hr. run	
Cond. of bit	
Reamer No.	
Reamer type	

MUD RECORD	
Time	
Weight	
W.L.-c.c.	
Filtr. ch.	
Visc.-sec.	
pH	
No. cont.	

MUD & CHEMICALS ADDED: Gel 1000 lb; WT. Material 6500 lb

FOOTAGE FROM	TO	Dr. B Bit-B Core-C	Core No.	FORMATION (Show core recovery)	Rotary rpm	Wt. on bit	Pump pressure	Pump No. Liner size	S.P.M.	Pump No. Liner size	S.P.M.	Method

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	5¹⁵	1¼	Run Collars + 4 STDs D. Pipe Break Circ
			J.B.O.P. Rig Ser.
6¹⁵	6⁰⁰	¾	Finish in 3 STDs Off Bottom
6⁰⁰	7⁰⁰	1	Break Circ 3 min Plugged Bit Wash
7⁰⁰	8³⁰	1½	Pull wiper Plugged Bit Wash Blow Circ
8³⁰	12⁰⁰	3½	Con. McDerrie Well

STEEL LINE MEASUREMENT: SHOULD READ: DRILLER: [illegible]

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 25 DATE Feb 4/60

WELL: MURPHY CANADA ALEX # 1
LOCATION: LO 38 N 6 W 5 M
FIELD OR AREA: WILDCAT
PROVINCE: N.W.T.
CONTRACTOR: PETER BOWDEN DRILLING
RIG NO: 11 DERRICK: LEE C MOORE
PRIME MOVERS:

PUMPS	NO	MANUFACTURER	LINER	STROKE
	1	DILWELL 214P	6½	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS	KB CSG. HD.
LAST CASING	8 5/8	~~7.55~~	J-55	10	10-60
TUBING	DEPTH	CEMENT	REMARKS		
OR LINER	338	190	4% CaCl		

DRILL PIPE STRING: SIZE 4½ TYPE TOOL JOINT FH

TIME DISTRIBUTION — HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL	7½	3¼	3
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS		1¼	1
SERVICE	¼	¼	
DEVIATION SURVEY	¼		
TEST B.O.P.			
CUT [illegible]			
REPAIR		2½	4
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
SURVEY		½	
FISHING			
CORRECTION BOX: A. PERFORATING			
B. TUBING TESTS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY: DAY WORK; MOB. W/OP.; MOB.; TOTAL DAY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE: [illegible]

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [illegible]

REMARKS

MORNING TOUR FROM TO

No.	Drilling Assembly at end of tour		
153	STANDS D.P.		926.05
	SINGLES D.P.		ft
12	D.C. 6¼ o.d.	6⅛ o.d.	372.07
	D.C.	i.d. o.d.	ft
		o.d.	ft
		o.d.	ft
		o.d.	ft
1	SUBS	o.d.	2.79
	BIT OR C.B.		ft
	KELLY DOWN		42.60
	TOTAL		1342
	WT. OF STRING		42 500 lbs

Bit record	
BIT NO.	2
SIZE	7⅞
MFG.	HTC
TYPE	OSC1T
NOZ. NO	11/16
SIZE	
SER. NO.	91542
DEPTH OUT	
DEPTH IN	1010
TOTAL FTG.	332
TOTAL NO. RUN	8
COND. OF BIT	RUNNING
REAMER NO.	
REAMER TYPE	

Mud record			
TIME			
WEIGHT	96	97	99
VISC. SEC.	70	58	49
W.L. C.C.			
FLTR. CR.			
PH		13	
SD. CONT. %			

MUD & CHEMICALS ADDED: TYPE / AMT / TYPE / AMT

Footage FROM	TO	DR. D. or R.B. CORE-C	CORE NO	Formation (Show core recovery)	Rotary RPM	Wt. on bit 1000#	Pump press	Pump No. Liner size	G.P.M.	Pump No. Liner size	G.P.M.	Method Sol. P.H. Par Slp Cond & C
1020	1342	322		LIME + SHALE	220	20	400	6½	58			

Deviation record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	1170	1¼°							

Time log FROM	TO	Elapsed time	Details of operations in sequence and remarks
12 00	12 15	¼	SER RIG
12 15	3 15	3	DRILL
3 15	3 30	½	SURVEY
3 30	8 00	4½	DRILL

STEEL LINE MEASUREMENT: SHOULD READ: DRILLER: G. McCormick

DAY TOUR FROM TO

No.	Drilling Assembly at end of tour		
19	STANDS D.P.		1134.31
	SINGLES D.P.		ft
12	D.C. 6⅛ o.d.		372.07
	D.C.	i.d. o.d.	ft
		o.d.	ft
		o.d.	ft
		o.d.	ft
1	SUBS	o.d.	2.79
	BIT OR C.B.		ft
	KELLY DOWN		21
	TOTAL		1533.07
	WT. OF STRING		44000 lbs

Bit record	
BIT NO.	2
SIZE	7⅞
MFG.	HTC
TYPE	OSC1
NOZ. NO	3
SIZE	11/16
SER. NO.	91542
DEPTH OUT	1533
DEPTH IN	1010
TOTAL FTG.	523
TOTAL NO. RUN	11¼
COND. OF BIT	Good
REAMER NO.	
REAMER TYPE	

Mud record		
TIME	9 00	11 00
WEIGHT	9.0	9.7
VISC. SEC.	58	45
W.L. C.C.		
FLTR. CR.		
PH	11+	11
SD. CONT. %		

MUD & CHEMICALS ADDED: TYPE / AMT / TYPE / AMT
Bicarb 100#

Footage FROM	TO	DR. D. or R.B. CORE-C	CORE NO	Formation (Show core recovery)	Rotary RPM	Wt. on bit 1000#	Pump press	Pump No. Liner size	G.P.M.	Pump No. Liner size	G.P.M.	Method Par Slp Cond & C
1342	1533	191		SHALE	220	26	550	6½	58			

Deviation record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	1401	1°							

Time log FROM	TO	Elapsed time	Details of operations in sequence and remarks
8 00	8 15	¼	SERVICE RIG
8 15	9 15	1	DRILLING
9 15	9 45	½	SURVEY & CLEAN SUCTION TANK
9 45	12 00	2¼	DRILLING
12 00	1 30	1½	TRIP OUT & BACK TO SHOE w/new BIT
1 30	4 00	2½	W/O WELDER FOR STAND PIPE LEAK

STEEL LINE MEASUREMENT: SHOULD READ: DRILLER: Jack Lister

EVENING TOUR FROM TO

No.	Drilling Assembly at end of tour		
22	STANDS D.P.		1330.24
1	SINGLES D.P.		29.81
12	D.C. 6⅛ o.d.		372.07
	D.C.	i.d. o.d.	ft
		o.d.	ft
		o.d.	ft
		o.d.	ft
1	SUBS 6⅝ o.d.		2.79
	BIT OR C.B.		ft
	KELLY DOWN		24.14
	TOTAL		1740.00
	WT. OF STRING		49000 lbs

Bit record	
BIT NO.	3
SIZE	7⅞
MFG.	HTC
TYPE	OSC-3
NOZ. NO	3
SIZE	11/16
SER. NO.	99337
DEPTH OUT	
DEPTH IN	1533
TOTAL FTG.	207
TOTAL NO. RUN	3
COND. OF BIT	DRLG
REAMER NO.	
REAMER TYPE	

Mud record		
TIME	9 30	11 00
WEIGHT	9.4	9.2
W.L. C.C.		
FLTR. CR.	48	62
VISC. SEC.		
PH		
SD. CONT. %		

MUD & CHEMICALS ADDED: TYPE / AMT / TYPE / AMT
Gel 1500#
Cypan 25#

Footage FROM	TO	DR. D. or R.B. CORE-C	CORE NO	Formation (Show core recovery)	Rotary RPM	Wt. on bit 1000#	Pump press	Pump No. Liner size	G.P.M.	Pump No. Liner size	G.P.M.	Method Par Slp Cond & C
1533	1740	207		SHALE	220	22	750	6½	60	✓	✓	

Deviation record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	1401	1°							

Time log FROM	TO	Elapsed time	Details of operations in sequence and remarks
4 00	8 00	4	WAITING ON WELDER FOR STAND PIPE LEAK WELD SAMET RIG SER
8 00	9 00	1	FINISH TRIP
9 00	12 00	3	DRLG

STEEL LINE MEASUREMENT: SHOULD READ: DRILLER: [illegible]

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 24 DATE Feb 3 16

WELL: MURPHY CANADA ALEX #1
LOCATION: 60' 38N + 114' 54E
FIELD OR AREA: WILDCAT
PROVINCE:

CONTRACTOR: PETER BAWDEN DRILLING
RIG NO.: 11
DERRICK: LEE C MOORE

PUMPS	NO	MANUFACTURER	LINER	STROKE
	1	OILWELL 214P	6½	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS.	KB REG. NO.
LAST CASING	8 5/8	24	J-55	10	10-10
TUBING OR LINER	SET AT 338	CEMENT 170 SKS	REMARKS 0% CALC		

DRILL PIPE STRING: SIZE 4½ TYPE TOOL JOINT FH PRIME MOVERS

TIME DISTRIBUTION — HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL		6	5¼
REAMING	7	11¼	
CONDITIONING MUD & CIRCULATION		1¼	
TRIP	1		2
SERVICE			¼
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR			
CASING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT	2		
DRILL STEM TEST			
OTHER SURVEY	5	4¼	1½
FISHING			
A. PERFORATING			
B. TUBING TRIP			
C. STANDING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY

DAY WORK

MRS. W/SUP.

MRS. OTHER

MRS.

TOTAL DAY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [illegible]

REMARKS

MORNING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR		
STANDS D.P.		FT.
SINGLES D.P.	8	248 ft
D.C.		
I.D. O.D.	8	248 ft
D.C.		
I.D. O.D.		FT.
O.D.		FT.
O.D.		FT.
O.D.		FT.
SUBS	1	2.79 ft
BIT OR C.B.		FT.
KELLY DOWN		12.00 ft
TOTAL		502 ft
WT. OF STRING		LBS.

BIT RECORD	
BIT NO.	7
SIZE	7⅞
MFG.	HTC
TYPE	OSC3
NOZ. NO.	14/16
SIZE	
SER. NO.	867122
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD			
TIME			
WEIGHT			
VISC. SEC.			
W.L. C.C.			
FLTR. CR.			
PH			
SD. CONT. %			

MUD & CHEMICALS ADDED			
TYPE	AMT	TYPE	AMT
BICARB	250 lbs		
GEL	17 SAX		
SAWDUST	15 SAX		

FOOTAGE FROM	TO
	502

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	2 00	2	W.O.C.
2 00	3 00	1	RUN IN HOLE
3 00	6 00	3	DRILLING OUT PLUG
6 00	8 00	2	MIX MUD TO BRING UP VISC

STEEL LINE MEASUREMENT SHOULD READ DRILLER A. McCormick

DAY TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR		
STANDS D.P.	8½	507.67 ft
SINGLES D.P.		FT.
D.C.		
I.D. O.D.	8	248.67 ft
D.C.		
I.D. O.D.		FT.
O.D.		FT.
O.D.		FT.
O.D.		FT.
SUBS	1	2.79 ft
BIT OR C.B.		FT.
KELLY DOWN		20.00 ft
TOTAL		779.13 ft
WT. OF STRING		30,000 LBS

BIT RECORD		
BIT NO.	1	
SIZE	7⅞	
MFG.	HTC	
TYPE	OSC3	
NOZ. NO.	4/16	
SIZE		
SER. NO.	867122	
DEPTH OUT		
DEPTH IN	601	
TOTAL FTG.	178	
TOTAL HR. RUN	6	
COND. OF BIT	1-1	
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	18		
WEIGHT		9.0	9.1
VISC. SEC.	40	45	45
W.L. C.C.			
FLTR. CR.			
PH			11.5
SD. CONT. %			

MUD & CHEMICALS ADDED			
TYPE	AMT	TYPE	AMT
GEL	25 SXS		
CMC	50#		
SAWDUST	5 SXS		
BRACE	100#		

FOOTAGE FROM	TO
8 00	

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	770	1°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	9 15	1¼	CONDITIONING MUD
9 15	9 45	½	DRILLING OUT PLUG
9 45	3 00	5¼	DRILLING
3 00	3 15	¼	SURVEY
3 15	4 00	¾	DRILLING

STEEL LINE MEASUREMENT SHOULD READ DRILLER [illegible]

EVENING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR		
STANDS D.P.	10	596.50
SINGLES D.P.	1	30.15 ft
D.C.		
I.D. O.D.	12	6⅛ 372.07
D.C.		
I.D. O.D.		FT.
O.D.		FT.
O.D.		FT.
O.D.		FT.
SUBS	1	2.7 2.79 ft
BIT OR C.B.		FT.
KELLY DOWN		12.00 ft
TOTAL		1020.04 ft
WT. OF STRING		38,000

BIT RECORD		
BIT NO.	1	2
SIZE	7⅞	7⅞
MFG.	HTC	HTC
TYPE	OSC3	OSC3U
NOZ. NO.	4/16	4/16
SIZE	3	3
SER. NO.	867122	91542
DEPTH OUT	1010	
DEPTH IN	601	1010
TOTAL FTG.	409	10
TOTAL HR. RUN	11¼	½
COND. OF BIT	FAIR	DRLG
REAMER NO.		
REAMER TYPE		

MUD RECORD			
TIME	530	800	900
WEIGHT	9.2	9.5	9.6
VISC. SEC.	45	62	69
PH	11.5	12.0	13.0
SD. CONT. %			

MUD & CHEMICALS ADDED			
TYPE	AMT	TYPE	AMT
GEL	800#		
SPERSENE	100#		

FOOTAGE FROM	TO	DR. O DIA. O CORE C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 LB	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD
779	1020	DRLG		LIME + SHALE	120	20	400	6½	65	✓	✓	
		254										

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	770	1°							

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 00	4 15	¼	DRLG 9 00-11 30 = 2 TRIP FOR BIT NO. 2
4 15	4 30	¼	RESER. PICKUP 4 DRILL COLLARS
4 30	5 15	¾	DRLG 11 30-12 00 DRLG
5 15	5 30	¼	CIRC SAMPLE @ 850'
5 30	7 30	2	DRLG
7 30	7 45	¼	CIRC SAMPLE @ 920'
7 45	9 30	1¾	DRLG

STEEL LINE MEASUREMENT SHOULD READ DRILLER [illegible]

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 23 DATE Feb 2/60

WELL: MURPHY CANADA ALEXANDER #1

LOCATION: 40.38 N + 116.54 E

FIELD OR AREA: WILDCAT

PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING

RIG NO.: 11

DERRICK: LEE C MORRE

PRIME MOVERS

PUMPS	NO.	MANUFACTURER	LINER	STROKE
	1	OILWELL	6½	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS.	RD. CUS. NO.
LAST CASING	8⅝	24	J-55	10	10-10
TUBING OR LINER	338	1905#	4% Cacl		

DRILL PIPE STRING: SIZE 4½ TYPE TOOL JOINT FH

TIME DISTRIBUTION — HOURS

	MORN.	DAY	EVE.
RIG UP & TEAR DOWN			
DRILLING OPERATIONS			
REAMING			
CONDITIONING MUD & CIRCULATION			
TRIPS	1½		
SERVICE			
DEVIATION SURVEY			
TEST B.O.P.			
CUT DRILL LINE			
REPAIR			
CASING			
RUN LINE LOGGING			
RUNNING CASING & CEMENTING		1	
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	6½	7	8
CONNECTION BREAKDOWN: A. MOUNTING			
B. PUSHING TRIP			
C. STANDING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY

DAY WORK

NO. W/TOUR

NO.

NO.

TOTAL DAY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Alex MacKenzie

REMARKS

MORNING TOUR FROM TO

No.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	O.D.	FT.
	O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD	
BIT NO.	
SIZE	
MFG.	
TYPE	
NOZ. NO.	
SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD	
TIME	
WEIGHT	
VISC.-SEC.	
W.L.-C.C.	
FLTR. CR.	
PH	
SO. CONT. %	

MUD & CHEMICALS ADDED			
TYPE	AMT	TYPE	AMT

DAY TOUR FROM TO

No.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	O.D.	FT.
	O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD	
BIT NO.	
SIZE	
MFG.	
TYPE	
NOZ. NO.	
SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD	
TIME	
WEIGHT	
VISC.-SEC.	
W.L.-C.C.	
FLTR. CR.	
PH	
SO. CONT. %	

MUD & CHEMICALS ADDED			
TYPE	AMT	TYPE	AMT

EVENING TOUR FROM TO

No.	DRILLING ASSEMBLY AT END OF TOUR	
	STANDS D.P.	FT.
	SINGLES D.P.	FT.
	D.C. I.D. O.D.	FT.
	D.C. I.D. O.D.	FT.
	O.D.	FT.
	O.D.	FT.
	SUBS O.D.	FT.
	BIT OR C.B.	FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD	
BIT NO.	
SIZE	
MFG.	
TYPE	
NOZ. NO.	
SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD	
TIME	
WEIGHT	
W.L.-C.C.	
FLTR. CR.	
VISC.-SEC.	
PH	
SO. CONT. %	

MUD & CHEMICALS ADDED			
TYPE	AMT	TYPE	AMT

FOOTAGE FROM	TO	DR. D. OR CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	6:00	6	W.O.C.
6:00	6:30	½	RUN IN WITH SAN LINE FEEL FOR PLUG
6:30	8:00		RUN IN HOLE PLUG @ 570 FT

STEEL LINE MEASUREMENT SHOULD READ DRILLER A. McCormick

FOOTAGE FROM	TO	DR. D. OR CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD
Plug #3 - 570' - 470' 20 Cement 4% CaCl												
gell 4% CACL Plugdown 8:55 AM.												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:30	½	PREPARE TO CEMENT
8:30	9:00	½	RUN PLUG #3
9:00	4:00	7	STANDING CEMENTED

STEEL LINE MEASUREMENT SHOULD READ DRILLER J. Lalak

FOOTAGE FROM	TO	DR. D. OR CORE	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	1200	8	W/O CEMENT

STEEL LINE MEASUREMENT SHOULD READ DRILLER J. McFillibey

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 22 DATE Feb 1/60

WELL: MURPHY CANADA ALEXANDRA #1 — LOCATION: LO 38N 114°54'E — FIELD OR AREA: WILDCAT — PROVINCE:

CONTRACTOR: PETER BAWDEN DRILLING — RIG NO. 11 — DERRICK: LEE C. MOORE

DRILL PIPE STRING: SIZE 4½ — TYPE TOOL JOINT: FH — PRIME MOVERS:

PUMPS	NO.	MANUFACTURER	LINER	STROKE
	1	OILWELL	6½	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS.	NO. CPL. NO.
LAST CASING	8 5/8	24	J-55	10	10-60
TUBING OR LINER	SET AT 334	CEMENT	REMARKS		

TIME DISTRIBUTION – HOURS

	MORN	DAY	EVE
TRIP UP & DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			1
SERVICE	¼		
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIRS			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	7¾	8	7
TRIPPING			
A. PERFORATING			
B. TUBING TORQ			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY: DAY WORK; HRS. W/DP; HRS. W/O DP; HRS.

TOTAL DAY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Chas McCorquodale

REMARKS

MORNING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR: STANDS D.P. FT.; SINGLES D.P. FT.; D.C. I.D. O.D. FT.; D.C. I.D. O.D. FT.; O.D. FT.; O.D. FT.; O.D. FT.; SUBS O.D. FT.; BIT OR C.B. FT.; KELLY DOWN FT.; TOTAL FT.; WT. OF STRING LBS.

BIT RECORD: BIT NO.; SIZE; MFG.; TYPE; NOZ. NO. SIZE; SER. NO.; DEPTH OUT; DEPTH IN; TOTAL FTG.; TOTAL HR. RUN; COND. OF BIT; REAMER NO.; REAMER TYPE

MUD RECORD: TIME; WEIGHT; VISC. SEC.; W.L. C.C.; FLTR. CK.; PH; SO. CONT. %

MUD & CHEMICALS ADDED: TYPE; AMT; TYPE; AMT

FOOTAGE: FROM; TO; DR. O. RM. P. CORE C.; CORE NO.

FORMATION (SHOW CORE RECOVERY); ROTARY RPM; WT. ON BIT 1000#; PUMP PRESS; PUMP NO. LINER SIZE; S.P.M.; PUMP NO. LINER SIZE; S.P.M.; METHOD DRILL PARTIAL CORED C.

DEVIATION RECORD: DEPTH; DEV.; DIRECTION; DEPTH; DEV.; DIRECTION; DEPTH; DEV.; DIRECTION

TIME LOG: FROM; TO; ELAPSED TIME; DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	DETAILS
12.00	12.15	¼	SER RIG
12.15	8.00	7¾	W.O. CEMENT UNIT

STEEL LINE MEASUREMENT — SHOULD READ — DRILLER: R McCarroll

DAY TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR: STANDS D.P. FT.; SINGLES D.P. FT.; D.C. I.D. O.D. FT.; D.C. I.D. O.D. FT.; O.D. FT.; O.D. FT.; O.D. FT.; SUBS O.D. FT.; BIT OR C.B. FT.; KELLY DOWN FT.; TOTAL FT.; WT. OF STRING LBS.

BIT RECORD: BIT NO.; SIZE; MFG.; TYPE; NOZ. NO. SIZE; SER. NO.; DEPTH OUT; DEPTH IN; TOTAL FTG.; TOTAL HR. RUN; COND. OF BIT; REAMER NO.; REAMER TYPE

MUD RECORD: TIME; WEIGHT; VISC. SEC.; W.L. C.C.; FLTR. CK.; PH; SO. CONT. %

MUD & CHEMICALS ADDED: TYPE; AMT; TYPE; AMT

FOOTAGE: FROM; TO; DR. O. RM. P. CORE C.; CORE NO.

FORMATION (SHOW CORE RECOVERY); ROTARY RPM; WT. ON BIT 1000#; PUMP PRESS; PUMP NO. LINER SIZE; S.P.M.; PUMP NO. LINER SIZE; S.P.M.; METHOD DRILL PARTIAL CORED C.

DEVIATION RECORD: DEPTH; DEV.; DIRECTION; DEPTH; DEV.; DIRECTION; DEPTH; DEV.; DIRECTION

TIME LOG: FROM; TO; ELAPSED TIME; DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	DETAILS
8.00	4.00	8	WAITING ON CEMENTERS

STEEL LINE MEASUREMENT — SHOULD READ — DRILLER: [illegible]

EVENING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR:

NO.		
8	STANDS D.P.	486.59
1	SINGLES D.P.	29.00
	D.C. I.D. O.D. FT.	
	D.C. I.D. O.D. FT.	
	O.D. FT.	
	O.D. FT.	
	O.D. FT.	
	O.D. FT.	
2	SUBS O.D.	10.00
	BIT OR C.B. FT.	
	KELLY DOWN	42.00
	TOTAL FT.	
	WT. OF STRING	567.59

BIT RECORD: BIT NO.; SIZE; MFG.; TYPE; NOZ. NO. SIZE; SER. NO.; DEPTH OUT; DEPTH IN; TOTAL FTG.; TOTAL HR. RUN; COND. OF BIT; REAMER NO.; REAMER TYPE

O P E N E D

MUD RECORD: TIME; WEIGHT; W.L. C.C.; FLTR. CK.; VISC. SEC.; PH; SO. CONT. %

MUD & CHEMICALS ADDED: TYPE; AMT; TYPE; AMT

GEL	100#
CALC	50#
CEMENT	30 SKS

FOOTAGE: FROM; TO; DR. O. RM. P. CORE C.; CORE NO.

FORMATION (SHOW CORE RECOVERY); ROTARY RPM; WT. ON BIT 1000#; PUMP PRESS; PUMP NO. LINER SIZE; S.P.M.; PUMP NO. LINER SIZE; S.P.M.; METHOD DRILL PARTIAL CORED C.

Cement plug #2 - From 567 to 467. 30 SKS Cement
4% Calc. 4% Gel. plug Down 11.15 Feb 1/60

DEVIATION RECORD: DEPTH; DEV.; DIRECTION; DEPTH; DEV.; DIRECTION; DEPTH; DEV.; DIRECTION

TIME LOG: FROM; TO; ELAPSED TIME; DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	DETAILS
4.00	10.15	6 1/4	W/O CEMENT UNIT
10.15	10.30	1/4	FINISH RUNNING IN TO 567 OPEN END
10.30	11.15	3/4	RUN PLUG NO 2
11.15	12.00	3/4	PULL OUT

STEEL LINE MEASUREMENT — SHOULD READ — DRILLER: [illegible]

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 21 DATE JAN 31/60

WELL: MURPHY CANADA ALEX #1

LOCATION: 60 88N + 116 54E

FIELD OR AREA: WILDCAT

PROVINCE:

CONTRACTOR: PETER BEWDEN DRILLING

RIG NO.: DERRICK: LEEC MOORE

PRIME MOVERS:

PUMPS	NO.	MANUFACTURER	LINER	STROKE
	1	OILWELL	6½	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS.	NO. CPL. FTG.
LAST CASING	8⅝	24	J55	10	10-60
TUBING OR LINER					

DRILL STEM: SIZE 4½ TYPE TOOL JOINT FH

TIME DISTRIBUTION — HOURS

	MORN.	DAY.	EVE.
DRILLING ACTUAL			2
[illegible]			1½
[illegible]			¾
[illegible]	¼		
[illegible]		¼	¾
[illegible]		7¾	7¾	3
TOTALS		8	8

TIME SUMMARY

TOTAL DAY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE: C. Stevenson

MORNING TOUR FROM TO

No.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD	
	STANDS D.P.	FT.	BIT NO.		TIME	
	SINGLES D.P.	FT.	SIZE		WEIGHT	
	D.C.		MFG.		VISC.-SEC.	
	I.D. O.D.	FT.	TYPE		W.L.-C.C.	
	D.C.		NOZ. NO.		FILTR. CA	
	I.D. O.D.	FT.	SIZE		PH	
	D.C.	FT.	SER. NO.		SO. CONT. %	
	D.C.	FT.	DEPTH OUT			
	D.C.	FT.	DEPTH IN			
	SUBS. O.D.	FT.	TOTAL FTG.		MUD & CHEMICALS ADDED	
	BIT OR C.B.	FT.	TOTAL HR. RUN		TYPE AMT. TYPE AMT.	
			COND. OF BIT			
	KELLY DOWN	FT.	REAMER NO.			
	TOTAL	FT.	REAMER TYPE			
	WT. OF STRING	LBS.				

FOOTAGE FROM	TO	DR. D RR-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD DRILL-F PERCUSS-P CORE-C

DEVIATION RECORD: DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12⁰⁰	12¹⁵	¼	SER RIG
12¹⁵	2⁰⁰	1¾	HEAD UP + PRESS UP
2⁰⁰	8⁰⁰	6	WELDING ON BOWL LEAKS, WAIT FOR WELDER

STEEL LINE MEASUREMENT SHOULD READ DRILLER

DAY TOUR FROM TO

No.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD	
	STANDS D.P.	FT.	BIT NO.		TIME	
	SINGLES D.P.	FT.	SIZE		WEIGHT	
	D.C.		MFG.		VISC.-SEC.	
	I.D. O.D.	FT.	TYPE		W.L.-C.C.	
	D.C.		NOZ. NO.		FILTR. CA	
	I.D. O.D.	FT.	SIZE		PH	
	D.C.	FT.	SER. NO.		SO. CONT. %	
	D.C.	FT.	DEPTH OUT			
	D.C.	FT.	DEPTH IN		MUD & CHEMICALS ADDED	
	SUBS. O.D.	FT.	TOTAL FTG.		TYPE AMT. TYPE AMT.	
	BIT OR C.B.	FT.	TOTAL HR. RUN			
			COND. OF BIT			
	KELLY DOWN	FT.	REAMER NO.			
	TOTAL	FT.	REAMER TYPE			
	WT. OF STRING	LBS.				

FOOTAGE FROM	TO	DR. D RR-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD DRILL-F PERCUSS-P CORE-C

DEVIATION RECORD: DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8⁰⁰	11⁰⁰	3	WAITING ON WELDER
11⁰⁰	3⁴⁵	4¾	REPAIR WELD FROM CASING TO CASING BOWL
3⁴⁵	4⁰⁰	¼	PRESSURE TEST 1000# PSI 15 MIN OK

STEEL LINE MEASUREMENT SHOULD READ DRILLER

EVENING TOUR FROM TO

No.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD	
4	STANDS D.P.	255.00	BIT NO.	1	TIME	
	SINGLES D.P.	FT.	SIZE	7⅞	WEIGHT	
	D.C.		MFG.	HTC	W.L.-C.C.	
8	6⅛ O.D.	293.46	TYPE	OSC3	FILTR. CA	
	D.C.		NOZ. NO.	3	VISC.-SEC.	
	I.D. O.D.	FT.	SIZE	9/16	PH	
	D.C.	FT.	SER. NO.	86722	SO. CONT. %	
	D.C.	FT.	DEPTH OUT			
	D.C.	FT.	DEPTH IN	251	MUD & CHEMICALS ADDED	
1	SUBS. 5⅝ O.D.	2.74	TOTAL FTG.	Drill	TYPE AMT. TYPE AMT.	
	BIT OR C.B.	FT.	TOTAL HR. RUN	Out	8 CARB 200#	
			COND. OF BIT			
	KELLY DOWN	42.00	REAMER NO.			
	TOTAL	532.10	REAMER TYPE			
	WT. OF STRING	LBS.				

FOOTAGE FROM	TO	DR. D RR-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD DRILL-F PERCUSS-P CORE-C
251	532			CEMENT	60	1	300	6½	56	1	1	

DEVIATION RECORD: DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4⁰⁰	4⁴⁵	3/4	RUN IN W/ 7⅞
4⁴⁵	6²⁵	2	DRILL OUT CEMENT, PLUG + SHOE TOP OF CEMENT @ 251
6²⁵	7³⁰	3/4	PRESSURE TEST RAMS @ 400# OK 15 MIN HYDRIL HELD 15 MIN 300# OK.
7³⁰	9⁰⁰	1½	PICK UP 4 STDS & WASH DOWN TO 532 LOST CIRC
9⁰⁰	12⁰⁰	3	W/O CEMENT

STEEL LINE MEASUREMENT SHOULD READ DRILLER

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 30 DATE JAN 30 1960

WELL	LOCATION	FIELD OR AREA	PROVINCE
MURPHY CANADA ALEX #1	60°38'N+116°54'E	WILDCAT	N.W.T.

CONTRACTOR	RIG NO.	DERRICK
PETER BOWDEN DRLG CO.		LEE C MOORE

PRIME MOVERS	PUMPS NO.	MANUFACTURER	LINER	STROKE
	1	OILWELL	6½	14
	2			
	3			

DRILL PIPE STRING	SIZE	TYPE TOOL JOINT
	4½	F.H.

	SIZE	WEIGHT	GRADE	NO. JTS.	AB CAS. NO.
LAST CASING	8⅝	24	J-55	10	10.60
TUBING OR LINER	3½				

SET AT / CEMENT / REMARKS

TIME DISTRIBUTION – HOURS

	MORN	DAY	EVE
MAKE UP BIT, TEMP. CONN.			
DRILLING ACTUAL			
REAMING			
CIRCULATING MUD & CIRCULATION			
TRIP			
SERVICE		4	
DEVIATION SURVEY			
TRIP B.O.P.			
CUT OFF DRILLING LINE			
[illegible]			
REPAIRS			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT	8	12½	
DRILL STEM TEST			
OTHER		1	
HEADING UP			8
A. PERFORATING			
B. TUBING TEST			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY

DAY HOURS

REG. W/TOUR

REG. WO/TOUR

MOR.

TOTAL DAY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE

REMARKS

MORNING TOUR FROM TO

DAY TOUR FROM TO

EVENING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR: NO. / STANDS D.P. FT. / SINGLES D.P. FT. / D.C. / I.D. O.D. FT. / D.C. / I.D. O.D. FT. / SUBS / BIT OR C.P. / KELLY DOWN FT. / TOTAL FT. / WT. OF STRING LBS.

BIT RECORD: BIT NO. / SIZE / MFG. / TYPE / NOZ. NO. / SIZE / SER. NO. / DEPTH OUT / DEPTH IN / TOTAL FTG. / TOTAL HR. RUN / COND. OF BIT / REAMER NO. / REAMER TYPE

MUD RECORD: TIME / WEIGHT / VISC.-SEC. / W.L.-C.C. / FILTR. CR. / PH / SO. CONT. %

MUD & CHEMICALS ADDED: TYPE / AMT / TYPE / AMT

FOOTAGE: FROM / TO / DR. D. DRL.-D. CORE-C / CORE NO.

FORMATION (SHOW CORE RECOVERY) / ROTARY RPM / WT. ON BIT 1000# / PUMP PRESS / PUMP NO. LINER SIZE / S.P.M. / PUMP NO. LINER SIZE / S.P.M. / METHOD DRILL, PARTIAL CORE, CORE D.S.T.

DEVIATION RECORD: DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION

TIME LOG: FROM / TO / ELAPSED TIME / DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	8:00	8	W/O CEMENT

STEEL LINE MEASUREMENT / SHOULD READ / DRILLER [illegible]

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼	SER RIG
8:15	3:00	6¾	W.O.C. + WELDER
3:00	4:00	1	CUT OFF CASING & START TO HEADU

STEEL LINE MEASUREMENT / SHOULD READ / DRILLER G. McCormick

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	10:00	6	CUTTING CASING & WELDING CASING FLANGE
10:00	12:00	2	HEADING UP

STEEL LINE MEASUREMENT / SHOULD READ / DRILLER [illegible]

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 19 DATE JAN 29/60

WELL	LOCATION	FIELD OR AREA	PROVINCE
MURPHY CANADA ABEX #1	60° 38' N 116° 3 HE	WILDCAT	N.W.T.

CONTRACTOR: PETER BAWDEN DRLG CO.

RIG NO.	DERRICK
11	LEE C MOORE

PUMPS	NO.	MANUFACTURER	LINER	STROKE
	1.	OILWELL	6 1/2	14
	2.			
	3.			

	SIZE	WEIGHT	GRADE	NO. JTS.	NO. CSG. HD
LAST CASING	8 5/8	24	J-55	10	16-55
TUBING OR LINER	SET AT	CEMENT	REMARKS		

DRILL PIPE STRING	SIZE	TYPE TOOL JOINT
	4 1/2	F.H

PRIME MOVERS

TIME DISTRIBUTION — HOURS

	MORN	DAY	EVE
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATION	3 3/4	1	
TRIPS	3/4		
SERVICE		1/4	
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
SLIP			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING	3 3/4	1	
WAITING ON CEMENT		5 3/4	5
DRILL STEM TEST			
OTHER	3/4		
FISHING			
COMPLETION WORK: A. PERFORATING			
B. TUBING TRIPS			
C. FRACCING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY

DAY WORK	
MPG. W/DAY	
MPG. W/O/DAY	
MPG.	
TOTAL DAY WORK	

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE

REMARKS

MORNING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR		
STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C.	10	6 1/8 O.D. 309.67
D.C. I.D. O.D.		FT.
O.D.		FT.
O.D.		FT.
O.D.		FT.
SUBS O.D.	2	504 "
BIT OR C.B.		FT.
KELLY DOWN		25.00 "
TOTAL		339.71 "
WT. OF STRING		28,000

BIT RECORD	
BIT NO.	6
SIZE	0 11"
MFG.	HTC
TYPE	OSC1G
NOZ. NO.	3/4
SIZE	3
SER. NO.	69743
DEPTH OUT	339
DEPTH IN	297
TOTAL FTG.	42
TOTAL HR. RUN	6
COND. OF BIT	Good
REAMER NO.	
REAMER TYPE	

MUD RECORD	
TIME	
WEIGHT	
VISC. SEC.	
W.L.C.C.	High
FLTR. CK.	
PH	
SO. CONT. %	

MUD & CHEMICALS ADDED			
TYPE	AMT	TYPE	AMT
	Nil		

FOOTAGE FROM	TO	DR. D. RN-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD
339												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	1:30	1 1/2	Circ & Clean Hole To Run Surface Casing
1:30	2:15	3/4	Pull Out To Run Casing
2:15	3:00	3/4	Rig To Run Casing
3:00	5:45	2 3/4	Run Casing
5:45	8:00	2 1/4	Circ & Clean Hole

STEEL LINE MEASUREMENT SHOULD READ DRILLER Jack Stirling

DAY TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR		
STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D. O.D.		FT.
D.C. I.D. O.D.		FT.
O.D.		FT.
O.D.		FT.
O.D.		FT.
SUBS O.D.		FT.
BIT OR C.B.		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD	
BIT NO.	
SIZE	
MFG.	
TYPE	
NOZ. NO.	
SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	Cemented 327.13'
TOTAL FTG.	338.63'
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD	
TIME	
WEIGHT	
VISC. SEC.	
W.L.C.C.	
FLTR. CK.	
PH	
SO. CONT. %	

MUD & CHEMICALS ADDED			
TYPE	AMT	TYPE	AMT

FOOTAGE FROM	TO	DR. D. RN-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD

STEEL LINE MEASUREMENT SHOULD READ DRILLER

RAN 11 jts 8 5/8 24# J55 CASING 320.08'
cemented with 190 sks cement 4% CACL
PL. UP DOWN 10:10 AM JAN 29/60
SETTLED TO 63' FROM K.B. Recement TO SUR.

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	1/4	Ser Rig
8:15	9:15	1	Circ & Clean Hole
9:15	10:15	1	Cement Casing
10:15	4:00	5 1/4	W.O.C.

STEEL LINE MEASUREMENT SHOULD READ DRILLER A. McCormick

EVENING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR		
STANDS D.P.		FT.
SINGLES D.P.		FT.
D.C. I.D. O.D.		FT.
D.C. I.D. O.D.		FT.
O.D.		FT.
O.D.		FT.
O.D.		FT.
SUBS O.D.		FT.
BIT OR C.B.		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD	
BIT NO.	
SIZE	
MFG.	
TYPE	
NOZ. NO.	
SIZE	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD	
TIME	
WEIGHT	
W.L.C.C.	
FLTR. CK.	
VISC. SEC.	
PH	
SO. CONT. %	

MUD & CHEMICALS ADDED			
TYPE	AMT	TYPE	AMT

FOOTAGE FROM	TO	DR. D. RN-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	12:00		STANDING CEMENTED

STEEL LINE MEASUREMENT SHOULD READ DRILLER Fred Perkins

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 18 DATE JAN 29/60

WELL: Murphy Canada Alex #1
CONTRACTOR: Peter Bowden Drlg Co.
LOCATION: Wildcat
RIG NO.: 11
DERRICK: Lee C. Moore
FIELD OR AREA: Wildcat
PROVINCE: N.W.T.

PUMPS	NO	MANUFACTURER	LINER	STROKE
	1	D.L. Well	6 1/2	14
	2			
	3			

LAST CASING TUBING OR LINER	SIZE	WEIGHT	GRADE	NO. JTS	NO. CIR. NO

SET AT | CEMENT | REMARKS

DRILL PIPE SIZE: 4 1/2 TYPE TOOL JOINT: F.H.
BIT SIZE: PRIME MOVERS:

TIME DISTRIBUTION — HOURS

	MORN.	DAY	EVE.
Rig up & tear down			
Drilling actual			
Reaming			6
Connections incl. circulating	3 1/2		1 3/4
Trips	1 1/2		
Service	3/4		1/4
Deviation survey			
Test B.O.P.			
Cut-off drilling line			
Repairs			
Wire line logging			
Running casing & cementing			
Waiting on cement	8	1 3/4	
Drill stem test			
Other			
Fishing			
A. Perforating			
B. Tubing fishing			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	9

TIME SUMMARY

Daily work	
Cons. w/o	
Cons. w/p	
Cons.	
Total day work	

Signature of contractor's representative:
Signature of operator's representative: [illegible]
Remarks:

Morning Tour From — To

DRILLING ASSEMBLY AT END OF TOUR

No.			
	Stands D.P.		ft.
	Singles D.P.		ft.
	D.C.		
	O.D.		ft.
	D.C.		
	O.D.		ft.
	O.D.		ft.
	O.D.		ft.
	O.D.		ft.
	O.D.		ft.
	O.D.		ft.
	O.D.		ft.
	Out on C.S.		ft.
	Kelly down		ft.
	Total		ft.
	Wt. of string		lbs.

BIT RECORD

Bit no.	
Size	
Mfg.	
Type	
Nozz.	No.
	Size
Ser. no.	
Depth out	
Depth in	
Total ft.	
Total hr. run	
Cond. of bit	
Reamer no.	
Reamer type	

MUD RECORD

Time	
Weight	
Visc. sec.	
W.L.C.C.	
Flt. Cr.	
pH	
% cont.	

MUD & CHEMICALS ADDED

Type	Amt	Type	Amt

FOOTAGE

From	To	Dr. ft. Drl. hr. Core c.	Core no.

FORMATION (Show core recovery)

Rotary RPM	Wt. on bit 1000#	Pump pressure	Pump no. Liner size	Pump no. S.P.M.	Pump no. Liner size	Pump no. S.P.M.	Mud & pipe measurements

DEVIATION RECORD

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

TIME LOG

From	To	Elapsed time	Details of operations in sequence and remarks
12:00	5:00	5	W/O Gel Plug
5:00	5:15	1/4	Run Tail Sand Line Feel Plug @ 297
5:15	8:00	2 3/4	W/O Gel Plug

Steel line measurement: Should read: Driller: [illegible]

Day Tour From — To

DRILLING ASSEMBLY AT END OF TOUR

No.			
	Stands D.P.		ft.
	Singles D.P.		ft.
	D.C.		
8	6 1/4 O.D.	247.49	
	D.C.		
	O.D.		ft.
	O.D.		ft.
	O.D.		ft.
	O.D.		ft.
2	O.D.	504	ft.
	Out on C.S.		ft.
	Kelly down	42.00	
	Total	294	
	Wt. of string		lbs.

BIT RECORD

Bit no.	6
Size	11"
Mfg.	HTC
Type	OSC3
Nozz.	
	Size
Ser. no.	69743
Depth out	
Depth in	
Total ft.	
Total hr. run	
Cond. of bit	
Reamer no.	
Reamer type	

MUD RECORD

Time	
Weight	
Visc. sec.	
W.L.C.C.	
Flt. Cr.	
pH	
% cont.	

MUD & CHEMICALS ADDED

Type	Amt	Type	Amt
Gell	3 sax		
Sawdust	5 sax		

FOOTAGE

From	To	Dr. ft. Drl. hr. Core c.	Core no.

FORMATION (Show core recovery)

Rotary RPM	Wt. on bit 1000#	Pump pressure	Pump no. Liner size	Pump no. S.P.M.	Pump no. Liner size	Pump no. S.P.M.	Mud & pipe measurements

DEVIATION RECORD

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

TIME LOG

From	To	Elapsed time	Details of operations in sequence and remarks
8:00	8:15	1/4	Ser Rig
8:15	11:00	2 3/4	Wait on Cement
11:00	12:00	1	Run 3 stand in Hole
12:00	2:00	2	Circ Condition Mud
2:00	2:30	1/2	Run in 4th stand
2:30	4:00	1 1/2	Circ Condition Mud

Steel line measurement: Should read: Driller: O. McCormick

Evening Tour From — To

DRILLING ASSEMBLY AT END OF TOUR

No.			
	Stands D.P.		ft.
	Singles D.P.		ft.
	D.C.		
10	6 1/4 O.D.	309.67	
	D.C.		
	O.D.		ft.
	O.D.		ft.
	O.D.		ft.
3	O.D.	504	
	Out on C.S.		ft.
	Kelly down	25.00	
	Total	339.67	
	Wt. of string	28000	

BIT RECORD

Bit no.	6
Size	11"
Mfg.	HTC
Type	OSC3
Nozz.	
	Size
Ser. no.	69743
Depth out	339
Depth in	297
Total ft.	42
Total hr. run	6
Cond. of bit	
Reamer no.	
Reamer type	

MUD RECORD

Time	
Weight	High
W.L.C.C.	
Flt. Cr.	
Visc. sec.	
pH	
% cont.	

MUD & CHEMICALS ADDED

Type	Amt	Type	Amt
Bicarb	20#		

FOOTAGE

From	To	Dr. ft. Drl. hr. Core c.	Core no.

FORMATION (Show core recovery)

Rotary RPM	Wt. on bit 1000#	Pump pressure	Pump no. Liner size	Pump no. S.P.M.	Pump no. Liner size	Pump no. S.P.M.	Mud & pipe measurements
Gel + Cement	40	8	1	6 1/2	40	0	0

DEVIATION RECORD

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

TIME LOG

From	To	Elapsed time	Details of operations in sequence and remarks
4:00	4:25	1/4	Ser Rig
4:15	5:00	3/4	Circ Condition Mud
5:00	6:00	1	Feel Plug + Drill Ahead Plug
6:00	6:30	1/2	Make Conn
6:30	7:00	1/2	Circ + Condition Mud @ 297
7:00	8:00	1	Drilling out Plug
8:00	10:30	2 1/2	Cir + Drilling Out Plug 11"
10:30	12:00	1 1/2	Reamine 4" Hole + Circ + Cond Mud

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 18 DATE JAN 27/60

WELL	LOCATION	FIELD OR AREA	PROVINCE
Murphy Canada Alexander #1	60°38' N 116°54' E	WILDCAT	B.C. & T.

CONTRACTOR: Peter Brieden Drlg Co.

RIG NO.: 11 DERRICK: Lee C. Moore

PRIME MOVERS:

PUMPS	NO.	MANUFACTURER	LINER	STROKE
	1	Oil Well	6 1/2	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS.	THD. CONN.	SET AT	CEMENT	REMARKS
LAST CASING TUBING OR LINER								

DRILL PIPE STRING: SIZE 4 1/2 TYPE TOOL JOINT: F.H.

TIME DISTRIBUTION – HOURS

	MORN.	DAY	EVE.
Time on well-truck down			
Drilling actual			
Reaming			
Conditioning mud & circulating		6 3/4	7 3/4
Trip		1	1 3/4
Service		1/4	1/4
Deviation survey			
Test B.O.P.			
Cut off drilling line			
Repairs			
Cement			
Wire line logging			
Running casing & cementing			
Waiting on cement			6 1/2
Drill stem test			
Fishing	8		
Standing			
A. Perforating			
B. Running tubing			
C. Swabbing			
D. Testing			
E. Additional			
TOTALS	8	8	8

TIME SUMMARY

	MORN.	DAY	EVE.
Total day work			
No. w/bar			
Hrs. w/bar			
Hrs.			

TOTAL DAY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE

REMARKS

MORNING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR: No. | Stands D.P. | Singles D.P. | D.C. | Kelly | Subs | Bit or C.B. | Kelly down | Total | Wt. on string

BIT RECORD: Bit No. | Size | Mfg. | Type | Nos. | Ser. No. | Depth out | Depth in | Total ft. | Total hr. run | Cond. of bit | Reamer No. | Reamer type

MUD RECORD: Time | Weight | Visc.-sec | W.L.-c.c. | Fltr. ck. | pH | Sd. cont. %

MUD & CHEMICALS ADDED: Type | Amt | Type | Amt

FOOTAGE: From | To | Dr. hr. | Core-c | Cons. hr.

FORMATION (Show core recovery): Rotary rpm | Wt. on bit 1000# | Pump press | Pump No. Liner size | S.P.M. | Liner size | S.P.M. | Pump No. | Method

DEVIATION RECORD: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

TIME LOG: From | To | Elapsed time | Details of operations in sequence and remarks

From	To	Elapsed time	Details of operations in sequence and remarks
2:00	9:00	8	W/O MUD CHEMICALS

STEEL LINE MEASUREMENT: Should read: Driller: [illegible]

DAY TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR: No. | Stands D.P. | Singles D.P. | D.C. | Kelly | Subs | Bit or C.B. | Kelly down | Total | Wt. on string

BIT RECORD: Bit No. | Size | Mfg. | Type | Nos. | Ser. No. | Depth out | Depth in | Total ft. | Total hr. run | Cond. of bit | Reamer No. | Reamer type

MUD RECORD: Time | Weight | Visc.-sec | W.L.-c.c. | Fltr. ck. | pH | Sd. cont. %

MUD & CHEMICALS ADDED: Type | Amt | Type | Amt

GEL 25 SAX

FOOTAGE: From | To | Dr. hr. | Core-c | Cons. hr.

FORMATION (Show core recovery): Rotary rpm | Wt. on bit 1000# | Pump press | Pump No. Liner size | S.P.M. | Liner size | S.P.M. | Pump No. | Method

DEVIATION RECORD: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

TIME LOG: From | To | Elapsed time | Details of operations in sequence and remarks

From	To	Elapsed time	Details of operations in sequence and remarks
8:00	8:15	1/4	Ser Rig
8:15	3:00	6 3/4	Condition Mud To Run Plug
3:00	4:00	1	Trip To Condition Hole

STEEL LINE MEASUREMENT: Should read: Driller: A. McCormick

EVENING TOUR FROM TO

DRILLING ASSEMBLY AT END OF TOUR: No. | Stands D.P. | Singles D.P. | D.C. | Kelly | Subs | Bit or C.B. | Kelly down | Total | Wt. on string

BIT RECORD: Bit No. | Size | Mfg. | Type | Nos. | Ser. No. | Depth out | Depth in | Total ft. | Total hr. run | Cond. of bit | Reamer No. | Reamer type

MUD RECORD: Time | Weight | W.L.-c.c. | Fltr. ck. | Visc.-sec | pH | Sd. cont. %

MUD & CHEMICALS ADDED: Type | Amt | Type | Amt

FOOTAGE: From | To | Dr. hr. | Core-c | Cons. hr.

FORMATION (Show core recovery): Rotary rpm | Wt. on bit 1000# | Pump press | Pump No. Liner size | S.P.M. | Liner size | S.P.M. | Pump No. | Method

Port Circ. plug Formation From 3:30 to 7:00 Cemented w/ 40 sks 3% Calc 4% Gel plug Down @ 7:00 p.m. Jan. 27/60.

DEVIATION RECORD: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

TIME LOG: From | To | Elapsed time | Details of operations in sequence and remarks

From	To	Elapsed time	Details of operations in sequence and remarks
4:00	4:15	1/4	Rig Ser.
4:15	5:00	3/4	Run Tbg
5:00	6:30	1 1/2	Run Plug & Displace w/ Water
6:30	7:30	1	Pull Out
7:30	12:00	4 1/2	W/O Gel Plug

STEEL LINE MEASUREMENT: Should read: Driller:

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 17 DATE Jan 20 1960

WELL: Murphy Canada Alexander #1
LOCATION: 60° 38'N + 116E 54'
FIELD OR AREA: Wildcat
PROVINCE: N.W.T.
CONTRACTOR: Peter Bowden Drlg Co.
RIG NO: 11
DERRICK: Lee C Moore
PRIME MOVERS:
DRILL PIPE SIZE: 4 1/2 TOOL JOINT: F.H.

PUMPS: No. 1, No. 2, No. 3 — MANUFACTURER / LINER / STROKE

LAST CASING / TUBING / OR LINER — SIZE / WEIGHT / GRADE / NO. JTS. / SH COL. HT. — SET AT / CEMENT / REMARKS

TIME DISTRIBUTION – HOURS

	HOURS	DAY	EVE
Drilling actual	3 3/4	6 1/2	1 1/4
Conditioning mud & circulation	4 3/4	6 3/4	
Survey		1/2	
Survey		1/2	1/4
Cut off drilling line			
Total			

TIME SUMMARY: Day work / Nite w/over / Nite no/over

WORKING TOUR FROM TO

No.	Drilling assembly at end of tour		Bit record		Mud record	
	Stands D.P.	ft.	Bit no.	5A	Time	
	Singles D.P.	ft.	Size	7 7/8	Weight	High
	D.C.		Mfg.	HTC	Visc. sec	Loss
12	6 1/2 o.d.	372.01	Type	OSC1G	W.L. c.c.	Circ
	D.C.		No.	11/16	Filtr. cn.	Material
	i.d. o.d.	ft.	Size	3	pH	
	o.d.	ft.	Ser. no.	R.R	Sd. cont. %	
	o.d.	ft.	Depth out	Drlg		
	o.d.	ft.	Depth in	230		
1	Subs o.d.	2.79 ft.	Total ftg	193		
	Wt. on c.b.		Total hr. run	5 1/4		
			Cond. of bit	Ta	Nil	
	Kelly down	39.20	Reamer no.			
	Total	415.00	Reamer type			
	Wt. of strings	38,000				

Mud & chemicals added: Type / Amt / Type / Amt

Footing	From	To	Dh. d. Ro. d. Core c.	Core no.	Formation (show core recovery)	Rotary rpm	Wt. on bit 1000#	Pump press.	Pump no. Liner size	S.P.M.	Pump no. Liner size	S.P.M.	Method drill-in fluid & cores
	355	415	60		Limestone	220	15	75	6 1/2	56	6	✓	✓

Deviation record: 295 — 1/4 — 385 — 1/2°

Time log From	To	Elapsed time	Details of operations in sequence and remarks
12 00	4 45	4 3/4	Reaming to Bottom Rat Hole Circ. @ 354
4 45	6 45	2	Drlg 7 7/8 Hole
6 45	7 15	1/2	Survey
7 15	8 00	3/4	Drlg.

Steel line measurement — Should read — Driller: Jas McSolicky

DAY TOUR FROM TO

No.	Drilling assembly at end of tour		Bit record		Mud record
	Stands D.P.	ft.	Bit no.	5	5
	Singles D.P.	ft.	Size	7 7/8	7 7/8
	D.C.		Mfg.	HTC	HTC
17	6 7/8 o.d.	526.86	Type	OSC1G	OSC1G
	D.C.		No.		
	i.d. o.d.	ft.	Size		
	o.d.	ft.	Ser. no.	RR	RR
	o.d.	ft.	Depth out		1N
	o.d.	ft.	Depth in		230
1	Subs 3 1/2 o.d.	2.74 ft.	Total ftg		
	Bit or c.b.	ft.	Total hr. run		17
			Cond. of bit		
	Kelly down	42.00	Reamer no.		
	Total	ft.	Reamer type		
	Wt. of strings	571 lbs			

Mud & chemicals added: Type / Amt / Type / Amt

Footing	From	To	Dh. d. Ro. d. Core c.	Core no.	Formation (show core recovery)	Rotary rpm	Wt. on bit 1000#	Pump press.	Pump no. Liner size	S.P.M.	Pump no. Liner size	S.P.M.	Method drill-in fluid & cores
	415	571			Lime	220	18 00	200	1 1/2	54			

Deviation record: 436 — 1/8 — 510 — 1°

Time log From	To	Elapsed time	Details of operations in sequence and remarks
8 00	8 15	1/4	Ser Rig
8 15	9 30	1 1/4	Drilling
9 30	10 15	3/4	Survey
10 15	12 00	1 3/4	Drilling
12 00	12 30	1/2	Survey
12 30	4 00		Drilling

Steel line measurement — Should read — Driller: A. McCormick

EVENING TOUR FROM TO

No.	Drilling assembly at end of tour		Bit record		Mud record
	Stands D.P.	ft.	Bit no.	5A	
	Singles D.P.	ft.	Size	7 7/8	
	D.C.		Mfg.	HTC	
18	6 1/2 o.d.	557.34	Type	OSC1G	
	D.C.		No.	~~11/16~~	
	i.d. o.d.	ft.	Size	Cut out	
	o.d.	ft.	Ser. no.	RR.	
	o.d.	ft.	Depth out	399	
	o.d.	ft.	Depth in	230	
1	Subs 5 1/2 o.d.	2.74 ft.	Total ftg	369	
	Bit or c.b.	ft.	Total hr. run	13 1/2	
			Cond. of bit	Fair	
	Kelly down	42.00	Reamer no.		
	Total	599.34 ft.	Reamer type		
	Wt. of strings	30,000			

Mud & chemicals added: Type / Amt / Type / Amt

Sawdust	15 sx
Gel	120 #
F. Seal	4 sks

Footing	From	To	Dh. d. Ro. d. Core c.	Core no.	Formation (show core recovery)	Rotary rpm	Wt. on bit 1000#	Pump press.	Pump no. Liner size	S.P.M.	Pump no. Liner size	S.P.M.	Method drill-in fluid & cores
	571												

Deviation record: ——

Time log From	To	Elapsed time	Details of operations in sequence and remarks
4 00	4 15	1/4	Ser Rig
4 15	5 30	1 1/4	Drilling
5 30	8 00	2 1/2	Trip for 12 1/4 B.T
8 00	9 00	1	Break Circ Losing Volume
9 00	10 00	1	Trip for 7 7/8 B.T
10 00	11 00	1	Break Circ & No Returns
11 00	12 00	1	Pull Out w/o Mud

Steel line measurement — Should read — Driller: J.

Total daily work

Signature of contractor's representative

Signature of operator's representative

Remarks

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 16 DATE JAN 25 / 60

WELL: MURPHY CANADA ALEXANDER #1
LOCATION: 66°N 38' 116E 54'
FIELD OR AREA: WILDCAT
PROVINCE: N.W.T.
CONTRACTOR: PETER BOWDEN DRLG CO.
RIG NO.:
DERRICK: LEEC MOORE
DRILL PIPE: SIZE 5½ TYPE TOOL JOINT F.H.
PRIME MOVERS:

PUMPS	NO	MANUFACTURER	LINER	STROKE
	1	OILWELL	6½	14
	2			
	3			

LAST CASING TUBING OR LINER	SIZE	WEIGHT	GRADE	NO. JTS	AB CON. HD

SET AT | CEMENT | REMARKS

TIME DISTRIBUTION – HOURS

	HOURS	DAY	EVE.
DRILLING	8	8	8
TOTALS	8	8	8

TIME SUMMARY

TOTAL DAILY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE: W. J. McKenzie

REMARKS

MORNING TOUR FROM 00 TO 12 00

No.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
9	D.C. 6⅛	279.26	FT.
	D.C.		FT.
	I.D. O.D.		FT.
	O.D.		FT.
	O.D.		FT.
	O.D.		FT.
1	SUBS 5⅝	2.74	FT.
	BIT OR C.S.		FT.
	KELLY DOWN	42.00	
	TOTAL	324.00	
	WT. OF STRING	28,000	

BIT RECORD: BIT NO. 5A; SIZE 7⅞; MFG. HTC; TYPE OSC1G; NOZ. NO. 11/16; SIZE 3; SER. NO. R.R; DEPTH OUT; DEPTH IN; TOTAL FTG.; TOTAL HR. RUN; COND. OF BIT; REAMER NO.; REAMER TYPE

MUD RECORD: TIME; WEIGHT; VISC.-SEC.; W.L.-C.C.; FLTR. CK.; PH; SO. CONT. %

MUD & CHEMICALS ADDED: TYPE | AMT | TYPE | AMT
W BRAN 400#
GEL 9500#

FOOTAGE: FROM | TO | DR. D. SIZE CORE-C | CONE NO.

FORMATION (SHOW CORE RECOVERY): LIMESTONE

ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | S.P.M. | PUMP NO. LINER SIZE | S.P.M. | METHOD

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	3 00	3	REGAIN CIRC. CIRC @ 140' HOT LOSE ING MUD. CIRC & CON. MUD.
3 00	5 00	2	PICK UP STD COLLARS CIRC OK @ 226'
5 00	7 00	2	PICK UP STD COLLARS CIRC OK @ 290'
7 00	8 00	1	PICK UP 1 COLLAR CIRC. DOWN @ 320'

STEEL LINE MEASUREMENT | SHOULD READ | DRILLER: J. W. McKitrick

DAY TOUR FROM 12 00 TO 12 00

No.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
9	D.C. 6⅛	279.26	FT.
	D.C.		FT.
	I.D. O.D.		FT.
	O.D.		FT.
	O.D.		FT.
	O.D.		FT.
1	SUBS 5⅝	2.74	FT.
	BIT OR C.S.		FT.
	KELLY DOWN	42.00	
	TOTAL	324.00	
	WT. OF STRING	28,000	

BIT RECORD: BIT NO. 5; SIZE 7⅞; MFG. HTC; TYPE OSC1G; NOZ. NO. 11/16; SIZE; SER. NO. RR; DEPTH OUT; DEPTH IN; TOTAL FTG.; TOTAL HR. RUN; COND. OF BIT; REAMER NO.; REAMER TYPE

MUD RECORD: TIME; WEIGHT; VISC.-SEC.; W.L.-C.C.; FLTR. CK.; PH; SO. CONT. %

MUD & CHEMICALS ADDED: TYPE | AMT | TYPE | AMT

FOOTAGE: FROM | TO | DR. D. SIZE CORE-C | CONE NO.

FORMATION (SHOW CORE RECOVERY): LIME

ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS 100 | PUMP NO. LINER SIZE 6½ | S.P.M. | PUMP NO. LINER SIZE | S.P.M. | METHOD

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	12 00	4	PUMPING IN HOLE SLOWLY TO MUD OFF WALLS CIRC OK
12 00	4 00	4	DRILLING SLOWLY TO CLEAN OUT TO BOTTOM

STEEL LINE MEASUREMENT | SHOULD READ | DRILLER: A. McCormick

EVENING TOUR FROM 12 00 TO 12 00

No.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
10	D.C. 6⅛	309.67	FT.
	D.C.		FT.
	I.D. O.D.		FT.
	O.D.		FT.
	O.D.		FT.
	O.D.		FT.
1	SUBS	2.79	FT.
	BIT OR C.S.		FT.
	KELLY DOWN	17.59	
	TOTAL	330.00	
	WT. OF STRING	22,000	

BIT RECORD: BIT NO. 5A; SIZE 7⅞; MFG. H.T.C; TYPE OSC1G; NOZ. NO. CUTOUT; SIZE; SER. NO. RR; DEPTH OUT; DEPTH IN; TOTAL FTG.; TOTAL HR. RUN; COND. OF BIT; REAMER NO.; REAMER TYPE

MUD RECORD: TIME 5 00 | 8 00 | 11 00; WEIGHT 9.0 | 9.0 | 9.0; VISC.-SEC.; W.L.-C.C.; FLTR. CK.; PH; SO. CONT. %

MUD & CHEMICALS ADDED: TYPE | AMT | TYPE | AMT

FOOTAGE: FROM | TO | DR. D. SIZE CORE-C | CONE NO.

FORMATION (SHOW CORE RECOVERY):

ROTARY RPM 60 | WT. ON BIT 1000# | PUMP PRESS — | PUMP NO. LINER SIZE 6½ | S.P.M. 54 | PUMP NO. LINER SIZE | S.P.M. | METHOD

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 00	12 00	8	DRILLING UP BRIDGING PLUGS SLOWLY

STEEL LINE MEASUREMENT | SHOULD READ | DRILLER: [illegible]

AMERSPEX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. _____ DATE JAN 24 1960

WELL: MURPHY CANADA ALEXANDER #1

CONTRACTOR: PETER BOWDEN DRLG CO. LTD.

LOCATION: 64' N 38' + 116' E 54'

RIG NO.: 11 DERRICK: LEE C. MOORE

FIELD OR AREA: WILDCAT

PROVINCE: N.W.T.

PUMPS	NO.	MANUFACTURER	LINER	STROKE
	1	OILWELL	6 1/2	14
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS	KB CSG. HD.
LAST CASING TUBING OR LINER					

SET AT | CEMENT | REMARKS

DRILL PIPE STRING	SIZE	TYPE TOOL JOINT

PRIME MOVERS

TIME DISTRIBUTION — HOURS

	MORN.	DAY.	EVE.
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REMARK			
CONDITIONING MUD & CIRCULATING	8		7 3/4
TRIP			4 1/4
SERVICE			
DEVIATION SURVEY			
TEST B.O.P.			
TEST OFF. SPILLWAY			
[illegible]			
[illegible]			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
SHALE STEM TEST			
OTHER			1/2
FISHING			
A. PERFORATING			
B. TUBING TESTS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8		8

TIME SUMMARY

DAY WORK

MIND. W/DAY

MIND. W/O/DAY

[illegible]

TOTAL DAY WORK

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE

REMARKS

MORNING TOUR FROM ___ TO ___

DRILLING ASSEMBLY AT END OF TOUR

No.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C.		
4	6 1/2"	124.18	
	D.C.		
	I.D. O.D.		FT.
	O.D.		FT.
	O.D.		
	O.D.		FT.
1	SUBS 5 3/8"	2.74	FT.
	BIT OR C.B.		FT.
	KELLY DOWN	13.08	FT.
	TOTAL	140.00	
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	5
SIZE	7 7/8
MFG.	HTC
TYPE	OSC1G
NOZ. NO.	#16
SIZE	
SER. NO.	RR
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC. SEC.	
W.L.C.C.	
FLTR. CP.	
PH	
SO. CONT. %	

MUD & CHEMICALS ADDED

TYPE	AMT	TYPE	AMT
GEL	7500#		
SAWDUST	10 SKS		
F. SEAL	10 SKS		
CAUSTIC	10 qt		

FOOTAGE

FROM	TO	DR. HRS.	CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD
					LIMESTONE								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	2 00	2	TRIP FOR PLUG BIT RUN IN TO 140' PUSHING SK. SAWDUST AHEAD OF BIT BREAKING CIRC FOR 20 MIN LAST COMPLETE CIRC.
2 00	8 00	6	BUILDING VOLUME PULL OUT

STEEL LINE MEASUREMENT | SHOULD READ | DRILLER [illegible]

DAY TOUR FROM ___ TO ___

DRILLING ASSEMBLY AT END OF TOUR

No.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C.		
10	6 1/2"	309.67	
	D.C.		
	I.D. O.D.		FT.
	O.D.		FT.
	O.D.		FT.
1	SUBS 5 3/8" O.D.	2.74	
	BIT OR C.B.		FT.
	KELLY DOWN	42.00	
	TOTAL	355	
	WT. OF STRING	30,000	

BIT RECORD

BIT NO.	5
SIZE	7 7/8
MFG.	HTC
TYPE	OSC1G
NOZ. NO.	11/16
SIZE	
SER. NO.	RR
DEPTH OUT	355
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC. SEC.	
W.L.C.C.	
FLTR. CP.	
PH	
SO. CONT. %	

MUD & CHEMICALS ADDED

TYPE	AMT	TYPE	AMT

FOOTAGE

FROM	TO	DR. HRS.	CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD
					LIME								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	10 45	2 3/4	WAIT ON ORDERS GUN MUD TANKS
10 45	11 15	1/2	RUN IN SAND LINE FEEL FOR SACK OF SAWDUST
11 15	4 00	4 3/4	RUN IN HOLE COLLARS PLUGGED WITH FIBERSEAL

STEEL LINE MEASUREMENT | SHOULD READ | DRILLER A. McCormick

EVENING TOUR FROM ___ TO ___

DRILLING ASSEMBLY AT END OF TOUR

No.			
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C.		
	I.D. O.D.		FT.
	D.C.		
	I.D. O.D.		FT.
	O.D.		FT.
	O.D.		FT.
	O.D.		FT.
	SUBS O.D.		FT.
	BIT OR C.B.		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	5A
SIZE	7 7/8
MFG.	HTC
TYPE	OSC1G
NOZ. NO.	
SIZE	
SER. NO.	RR
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
W.L.C.C.	
FLTR. CP.	
VISC. SEC.	
PH	
SO. CONT. %	

MUD & CHEMICALS ADDED

TYPE	AMT	TYPE	AMT
FIBERSEAL	5 SKS		
SAWDUST	6 SKS		

FOOTAGE

FROM	TO	DR. HRS.	CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4	4 30	1/2	RUN IN - FEEL FOR BIT
4 30	5 30		PULL OUT
5 30	7	1 1/2	LOGGING
7	7 30	1/2	THAW OUT KELLY
7 30	12	4 1/2	MIXING LOST CIRC MAT PUMPING DOWN HOLE TO TRY AND REGAIN CIRC

STEEL LINE MEASUREMENT | SHOULD READ | DRILLER G. Thompson

DAILY DRILLING REPORT

AMUREX OIL COMPANY

REPORT NO. 4 DATE JAN 23 1960

WELL: MURPHY CANADA ALEXANDRA #1

LOCATION: HAY RIVER

FIELD OR AREA: WILDCAT

PROVINCE: N.W.T.

CONTRACTOR: PETER BOW DEN DRILL CO.

RIG NO.: 11 DERRICK: LEE C. MOORE

PUMPS	NO	MANUFACTURER	LINER	STROKE
	1	CALWELL 214P	6 1/2	14"
	2			
	3			

	SIZE	WEIGHT	GRADE	NO. JTS.	NO. CPL. HD.
LAST CASING					
TUBING OR LINER	SET AT	CEMENT	REMARKS		

DRILL PIPE FITTING	SIZE	TYPE TOOL JOINT
	4 1/2	F.H.

PRIME MOVERS

MORNING TOUR FROM 1200 TO 0800

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C.		
10	6 1/8 O.D.	310.55	
	D.C.		
	I.D. O.D.		FT.
	O.D.		FT.
	O.D.		FT.
1	SUB 5 5/8 O.D.	2.79	FT.
	BIT OR C.B.		FT.
	KELLY DOWN	36.66	
	TOTAL	350.00	
	WT. OF STRING	28,000	

BIT RECORD	
BIT NO.	5
SIZE	7 7/8
MFG.	HTC
TYPE	OSC1G
NOZ. NO.	
SIZE	
SER. NO.	RR
DEPTH OUT	
DEPTH IN	335
TOTAL FTG.	
TOTAL HR. RUN	3/4
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC./SEC.	
W.L.C.C.	
FILTR. CK.	
PH	
SO. CONT. %	

MUD & CHEMICALS ADDED

TYPE	AMT	TYPE	AMT
GEL	3600#		
SAWDUST	28 SKS		

FOOTAGE FROM	TO	DR. O RN. H CORE. C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD DEL. & PAR. B.L.P. CONT'D C
326	335	RM			180	25		6 1/8				
335	350	DRLG										

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	1/4	SERVICE RIG
12:15	12:45	1/2	REAMING TO 12 1/4
12:45	1:30	3/4	DRILLING 12 1/4 HOLE
1:30	6:15	4 3/4	LOST CIRC COMPLETELY - PULL OUT. CIR MUD
6:15	7:15	1	RUN IN W/17
7:15	8:00	3/4	DRLG NO RETURNS C/ Obermeyer

STEEL LINE MEASUREMENT | SHOULD READ | DRILLER

DAY TOUR FROM 800 TO 4:00

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C.		
11	6 1/8 O.D.	341.74	
	D.C.		
	I.D. O.D.		FT.
	O.D.		FT.
	O.D.		FT.
	O.D.		FT.
1	SUB 5 5/8 O.D.	2.79	FT.
	BIT OR C.B.		FT.
	KELLY DOWN	15.47	
	TOTAL	355.00	
	WT. OF STRING	30,000	

BIT RECORD	
BIT NO.	5
SIZE	7 7/8
MFG.	HTC
TYPE	OSC-1G
NOZ. NO.	
SIZE	
SER. NO.	RR
DEPTH OUT	
DEPTH IN	335
TOTAL FTG.	20
TOTAL HR. RUN	1 1/4
COND. OF BIT	2 2 4
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VISC./SEC.	
W.L.C.C.	
FILTR. CK.	
PH	
SO. CONT. %	

MUD & CHEMICALS ADDED

TYPE	AMT	TYPE	AMT
GEL	2000#		
CAUSTIC	100#		
S. DUST	14 SKS		
S. BRAN	200#		

FOOTAGE FROM	TO	DR. O RN. H CORE. C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD DEL. & PAR. B.L.P. CONT'D C
350	355	D/5		LIME	160	24	✓	6 1/8	✓	2	✓	✓

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:30	1/2	DRLG NO MUD RETURNS
8:30	12:00	3 1/2	BUILDING VOLUME
12:00	1:00	1	PUMP TANK FULL DOWN NO RETURNS
1:00	4:00	3	BUILDING VOLUME

STEEL LINE MEASUREMENT | SHOULD READ | DRILLER

EVENING TOUR FROM 400 TO 1200

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	STANDS D.P.		FT.
	SINGLES D.P.		FT.
	D.C.		
11	6 1/8 O.D.	341.74	
	D.C.		
	I.D. O.D.		FT.
	O.D.		FT.
	O.D.		FT.
	O.D.		FT.
1	SUB 5 5/8 O.D.	2.79	FT.
	BIT OR C.B.		FT.
	KELLY DOWN	15.47	
	TOTAL	355.00	
	WT. OF STRING	30,000	

BIT RECORD	
BIT NO.	5
SIZE	7 7/8
MFG.	HTC
TYPE	OSC-1G
NOZ. NO.	
SIZE	
SER. NO.	RR
DEPTH OUT	
DEPTH IN	335
TOTAL FTG.	
TOTAL HR. RUN	
COND. OF BIT	
REAMER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
W.L.C.C.	
FILTR. CK.	
VISC./SEC.	
PH	
SO. CONT. %	

MUD & CHEMICALS ADDED

TYPE	AMT	TYPE	AMT
GEL	35	SAX	
SAWDUST	35	SAX	
FIBERSEAL	8	SAX	

FOOTAGE FROM	TO	DR. O RN. H CORE. C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD DEL. & PAR. B.L.P. CONT'D C
355	355			LIME				6 1/8				

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	8:00	4	MIX MUD WAIT ON SAWDUST
8:00	8:45	3/4	PULL OUT OF HOLE
8:45	10:30	1 3/4	MIX SAWDUST & FIBERSEAL
10:30	12:00	1 1/2	RUN IN 150 FEET POSH DOWN SACK OF SAWDUST TRY TO BREAK CIR.

STEEL LINE MEASUREMENT | SHOULD READ | DRILLER O. McCormick

TIME DISTRIBUTION — HOURS

	MORN.	DAY	EVE.
NO. OF P. TEAR DOWN			
TRIP LINE ACTUAL	1 1/2	1/2	
REAMING	1/2		
CONDITIONING MUD & CIRCULATING	4 3/4	7 1/2	5 3/4
C.O. TRIP	1		2 1/4
SURVEY			
DEVIATION SURVEY			
TEST B.O.P.	1/4		
CUT OFF DRILLING LINE			
SLIP			
SERVICE			
SLIP LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
A. PERFORATING			
B. TUBING TRIP			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY

DAY WORK	
MOVING	
REM. WO/TOUR	
REM. WO/TOTAL	
NPT	
TOTAL DAY WORK	

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE

REMARKS

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 12 DATE Jan 22 1960

WELL: Murphy Canada Alexandra #1

LOCATION: Wildcat

FIELD OR AREA: Wildcat

PROVINCE: N.W.T.

CONTRACTOR: Peter Bawden Drlg Ltd.

RIG NO: 11 DERRICK: Lee C. Moore

DRILL PIPE STRING	SIZE	TYPE TOOL JOINT
	4½	F.H.

PRIME MOVERS

PUMPS NO.	MANUFACTURER	LINER	STROKE
1	Oil Well	6½	14
2			
3			

	SIZE	WEIGHT	GRADE	NO. JTS.	AB. CSG. WD.
LAST CASING TUBING OR LINER					

SET AT | CEMENT | REMARKS

TIME DISTRIBUTION — HOURS

	MORN	DAY	EVE
Rig up & Tear down			
Drilling actual			5
Reaming		5¼	
Conditioning mud & circulating		2	
Trips			
Service			
Deviation survey		3¼	¼
Test B.O.P.			
Out of drill line			
Logging			7¾
Wire line logging			
Running casing & cementing			
Waiting on cement			
Drill stem test			
Fishing			
Perforating			
Testing			
Drill ahead			
Other			
		8	8

TIME SUMMARY

Day work	
Mob. w/d	
Mob. w/o d	
Wait	
Total day work	

Signature of contractor's representative

Signature of operator's representative

Remarks

MORNING TOUR FROM — TO

DRILLING ASSEMBLY AT END OF TOUR

No.			
	Stands D.P.		ft.
	Singles D.P.		ft.
	D.C. No. O.D.		ft.
	D.C. No. O.D.		ft.
	D.C.		ft.
	D.C.		ft.
	D.C.		ft.
	Subs O.D.		ft.
	Bit on C.B.		ft.
	Kelly down		ft.
	Total		ft.
	Wt. of string		lbs.

BIT RECORD

Bit no.	
Size	
Mfg.	
Type	
Noz. No.	
Size	
Ser. no.	
Depth out	
Depth in	
Total ft.	
Total hr. run	
Cond. of bit	
Reamer no.	
Reamer type	

MUD RECORD

Time	
Weight	
Visc.-sec.	
W.L.-c.c.	
Filtr. cr.	
pH	
Sd. cont. %	

MUD & CHEMICALS ADDED

Type	Amt	Type	Amt

FOOTAGE

From	To	Dr. time min. Core-c	Core no.	Formation (Show core recovery)	Rotary rpm	Wt. on bit 1000#	Pump press	Pump no. 1 Liner size	S.P.M.	Pump no. Liner size	S.P.M.	Mud & chemicals added

Deviation record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Time log From	To	Elapsed time	Details of operations in sequence and remarks

Steel line measurement | Should read | Driller

DAY TOUR FROM — TO

DRILLING ASSEMBLY AT END OF TOUR

No.			
	Stands D.P.		ft.
	Singles D.P.		ft.
7	D.C. 6½ O.D.	227.24	ft.
	D.C.		ft.
	D.C.		ft.
	D.C.		ft.
2	Subs 5½ O.D.	5.04	ft.
	Bit on C.B.		ft.
	Kelly down	5.72	ft.
	Total	238.00	ft.
	Wt. of string	20000	lbs.

BIT RECORD

Bit no.	1
Size	12¼
Mfg.	HTC
Type	OSC
Noz. No.	
Size	
Ser. no.	R.R.
Depth out	On
Depth in	46
Total ft.	238
Total hr. run	11½
Cond. of bit	Drlg
Reamer no.	
Reamer type	

MUD RECORD

Time	8⁰⁰	12⁰⁰	3⁰⁰
Weight			
Visc.-sec.	45	249	High
W.L.-c.c.			
Filtr. cr.			
pH			
Sd. cont. %			

MUD & CHEMICALS ADDED

Type	Amt	Type	Amt
Gel	2000#		
S. Dust	45 sacks		
Lime	50#		
Caustic	150#		

FOOTAGE

From	To	Dr. time min. Core-c	Core no.	Formation (Show core recovery)	Rotary rpm	Wt. on bit 1000#	Pump press	Pump no. 1 Liner size	S.P.M.	Pump no. Liner size	S.P.M.	Mud & chemicals added
135	238	103		Lime	220	14	100	6½	56	✓	✓	✓

Deviation record: Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Time log From	To	Elapsed time	Details of operations in sequence and remarks
8⁰⁰	10⁰⁰	2	Conductor Pipe Washed Out Mix Mud
10⁰⁰	10³⁰	½	Reaming
10³⁰	10⁴⁵	¼	Survey
10⁴⁵	1³⁰	2¾	Reaming
1³⁰	1⁴⁵	¼	Survey
1⁴⁵	3⁰⁵	1½	Reaming
3¹⁵	4⁰⁰	¾	Survey Work on Frozen Air Lines

Steel line measurement | Should read | Driller: M. Skillicorn

ELEVENING TOUR FROM — TO

DRILLING ASSEMBLY AT END OF TOUR

No.			
	Stands D.P.		ft.
	Singles D.P.		ft.
	D.C. 10 6⅝ I.D. O.D.	310.55	ft.
	D.C.		ft.
	D.C.		ft.
	D.C.		ft.
	Subs O.D.	5.04	ft.
	Bit on C.B.		ft.
	Kelly down	11.00	ft.
	Total	326	ft.
	Wt. of string		lbs.

BIT RECORD

Bit no.	1
Size	GSC
Mfg.	HTC
Type	82¼
Noz. No.	
Size	
Ser. no.	47635
Depth out	Running
Depth in	0
Total ft.	236
Total hr. run	6½
Cond. of bit	
Reamer no.	
Reamer type	

MUD RECORD

Time	8⁰⁰
Weight	9.4
W.L.-c.c.	
Filtr. cr.	
Visc.-sec.	64
pH	
Sd. cont. %	

MUD & CHEMICALS ADDED

Type	Amt	Type	Amt

FOOTAGE

From	To	Dr. time min. Core-c	Core no.	Formation (Show core recovery)	Rotary rpm	Wt. on bit 1000#	Pump press	Pump no. 1 Liner size	S.P.M.	Pump no. Liner size	S.P.M.	Mud & chemicals added
238	326			Lime	220	15	250	6½	65			

Deviation record: Depth 295 | Dev. ¼ | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Time log From	To	Elapsed time	Details of operations in sequence and remarks
4⁰⁰	6¹⁵	2¼	Ser Rig Change Air Compressor
6¹⁵	8⁴⁵	2½	Ream Rat Hole to 12¼
8⁴⁵	9⁰⁰	¼	Totco
9⁰⁰	11³⁰	2½	Ream
11³⁰	12⁰⁰	½	Repair Rotary Chain

Steel line measurement | Should read | Driller

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 3 DATE JAN 21/80

WELL: Murphy Canada Alexandra # 1

LOCATION: Hay River

FIELD OR AREA:

PROVINCE:

CONTRACTOR: M. Bawden

RIG NO.: 11 DERRICK: Lee c Moore -

DRILL PIPE STRING: SIZE 4 1/2 TYPE TOOL JOINT:

PRIME MOVERS:

PUMPS	NO	MANUFACTURER	LINER	STROKE
	1			
	2			
	3			

LAST CASING TUBING OR LINER	SIZE	WEIGHT	GRADE	NO. JTS.	NO. CSG. NO.
	SET AT	CEMENT	REMARKS		

TIME DISTRIBUTION – HOURS

	MORN	DAY	EVE
Rig up & Tear down			
Drilling Actual			
Reaming			
Conditioning Mud & Circulating			
Trips			
Service			
Deviation Survey			
Test B.O.P.			
Cut off Drilling Line			
Repairs			
Casing			
Wire Line Surveys			
Running Casing & Cementing			
Waiting On Cement			
Drill Stem Test			
Other			
Fishing			
Completion Work: A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals			

TIME SUMMARY

Day Work	
Mob. In/Out	
Mob. Out/Out	
Mob.	
Total Day Work	

Signature of Contractor's Representative:

Signature of Operator's Representative: G. Irving

Remarks:

MORNING TOUR FROM ___ TO ___

DRILLING ASSEMBLY AT END OF TOUR		
Stands D.P.		Ft.
Singles D.P.		Ft.
D.C.		
I.D. O.D.		Ft.
D.C.		
I.D. O.D.		Ft.
O.D.		Ft.
O.D.		Ft.
O.D.		Ft.
Subs O.D.		Ft.
Bit or C.B.		Ft.
Kelly Down		Ft.
Total		Ft.
Wt. of String		Lbs.

BIT RECORD		
Bit No.	2	
Size	7 7/8	
Mfg.	HTC	
Type	OSC 3	
Noz. No.		
Size		
Ser. No.	65216	
Depth Out		
Depth In	46	
Total Ftg.		
Total Hr. Run	17 1/4	
Cond. of Bit		
Reamer No.		
Reamer Type		

MUD RECORD			
Time			
Weight			
Visc.-Sec.			
W.L.-C.C.			
Filt. Ch.			
PH			
Sd. Cont. %			

MUD & CHEMICALS ADDED			
Type	Amt	Type	Amt

FOOTAGE From	To	Dr. D or R-R Core-C	Core No.	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit 1000#	Pump Pres.	Pump No. Liner Size	S.P.M.	Pump No. Liner Size	S.P.M.	Method Mud-D Air-A Foam-F Comp-C
70	200											

Deviation Record	Depth	Dev	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	65	1°		0					

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
12	12 45 AM	3/4	DRILLING 7 3/8 hole SER. Rig
12 45	1	1/4	SURVEY.
1 00	3 00	2	DRILLING
3 00	3 15	1/4	SURVEY.
3 15	6 15	3	DRILLING
6 15	6 30	1/4	SURVEY.
6 30	8 30	1 1/2	DRILLING

Steel Line Measurement: Should Read: Driller:

DAY TOUR FROM ___ TO ___

DRILLING ASSEMBLY AT END OF TOUR		
Stands D.P.		Ft.
Singles D.P.		Ft.
D.C.		
I.D. O.D.		Ft.
D.C.		
I.D. O.D.		Ft.
O.D.		Ft.
O.D.		Ft.
O.D.		Ft.
Subs O.D.		Ft.
Bit or C.B.		Ft.
Kelly Down		Ft.
Total		Ft.
Wt. of String		Lbs.

BIT RECORD		
Bit No.	2	3
Size	7 7/8"	7 7/8
Mfg.	HTC	HTC
Type	OSC 3	OSC 1G
Noz. No.		
Size		
Ser. No.	65216	91541
Depth Out	230	
Depth In	46	230
Total Ftg.		
Total Hr. Run	13 1/4	
Cond. of Bit		
Reamer No.		
Reamer Type		

MUD RECORD			
Time			
Weight			
Visc.-Sec.			
W.L.-C.C.			
Filt. Ch.			
PH			
Sd. Cont. %			

MUD & CHEMICALS ADDED			
Type	Amt	Type	Amt

FOOTAGE From	To	Dr. D or R-R Core-C	Core No.	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit 1000#	Pump Pres.	Pump No. Liner Size	S.P.M.	Pump No. Liner Size	S.P.M.	Method Mud-D Air-A Foam-F Comp-C
200	323.											

Deviation Record	Depth	Dev	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	200	3/4°		260	1/2°				

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
8 00	8 15	1/4	SURVEY Rig SER
8 15	9 15	1	DRILLING.
9 15	10 00	3/4	TRIP.
10 00	10 30	1/2	~~Survey~~ DRILLING
10 30	10 45	1/4	SURVEY.
10 45	12 00	1 1/4	DRILLING
12 00	4 00	4	MIXING Mud (LOST CIRC)

Steel Line Measurement: Should Read: Driller:

EVENING TOUR FROM ___ TO ___

DRILLING ASSEMBLY AT END OF TOUR		
Stands D.P.		Ft.
Singles D.P.		Ft.
D.C.		
I.D. O.D.		Ft.
D.C.		
I.D. O.D.		Ft.
O.D.		Ft.
O.D.		Ft.
O.D.		Ft.
Subs O.D.		Ft.
Bit or C.B.		Ft.
Kelly Down		Ft.
Total		Ft.
Wt. of String		Lbs.

BIT RECORD		
Bit No.	3 7 1/4	1
Size	~~7 7/8~~	12 1/4
Mfg.	HTC	RR
Type	OSC-1G	OSC
Noz. No.		
Size		
Ser. No.		47633
Depth Out	332	
Depth In	46	
Total Ftg.		
Total Hr. Run	2 1/2	5
Cond. of Bit		
Reamer No.		
Reamer Type		

MUD RECORD			
Time			
Weight			
W.L.-C.C.			
Filt. Ch.			
Visc. Sec.			
PH			
Sd. Cont. %			

MUD & CHEMICALS ADDED			
Type	Amt	Type	Amt

FOOTAGE From	To	Dr. D or R-R Core-C	Core No.	FORMATION (Show Core Recovery)	Rotary RPM	Wt. on Bit 1000#	Pump Pres.	Pump No. Liner Size	S.P.M.	Pump No. Liner Size	S.P.M.	Method Mud-D Air-A Foam-F Comp-C
46	51			Reaming								

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Time Log From	To	Elapsed Time	Details of Operations in Sequence and Remarks
4 00	4 45	3/4	DRILLING SER Rig
4 45	7 3	2 1/4	MIX Mud.
7 15	9 00	1 3/4	PULL OUT BREAKDOWN DRILL COLLARS.
9 00	9 45	3/4	REAMING To 12 1/4"
9 45	12 1/4	2 1/4	MIX Mud.

Steel Line Measurement: Should Read: Driller:

AMUREX OIL COMPANY

DAILY DRILLING REPORT

REPORT NO. 1 DATE JAN 20/60

WELL: Murphy Canada Alexandra # 1

LOCATION: BIG NO. DERRICK

FIELD OR AREA

PROVINCE

CONTRACTOR

DRILL PIPE STRING: SIZE | TYPE TOOL JOINT

PRIME MOVERS

PUMPS: NO. | MANUFACTURER | LINER | STROKE

LAST CASING / TUBING OR LINER: SIZE | WEIGHT | GRADE | NO. FTS. | KB CSG. HD | SET AT | CEMENT | REMARKS

TIME DISTRIBUTION — HOURS

	MORN	DAY	EVE
END OF ALL YEAR DOWN			
DRILLING ACTUAL			
REAMING			
CONDITIONING MUD & CIRCULATING			
TRIPS			
SERVICE			
DEVIATION SURVEY			
TRIP D.S.P.			
CUT OFF [illegible] LINE			
REPAIR			
REAMING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
STAND			
FISHING			
EXPLANATION OF WORK: A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS			

TIME SUMMARY

DAY WORK			
MOB. W/BH			
MOB. W/O BH			
MOB.			
TOTAL DAY WORK			

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE

SIGNATURE OF OPERATOR'S REPRESENTATIVE: O. Irwin.

REMARKS: 1

MORNING TOUR FROM ___ TO ___

DRILLING ASSEMBLY AT END OF TOUR: STANDS D.P. FT. | SINGLES D.P. FT. | D.C. I.D. O.D. FT. | D.C. I.D. O.D. FT. | O.D. FT. | O.D. FT. | O.D. FT. | SUBS O.D. FT. | BIT OR C.B. FT. | KELLY DOWN FT. | TOTAL FT. | WT. OF STRING LBS.

BIT RECORD: BIT NO. | SIZE | MFG. | TYPE | NOZ. NO. SIZE | SER. NO. | DEPTH OUT | DEPTH IN | TOTAL FTG. | TOTAL HR. RUN | COND. OF BIT | REAMER NO. | REAMER TYPE

MUD RECORD: TIME | WEIGHT | VISC. SEC | W.L. C.C. | FILTR. CK. | PH | SD. CONT. %

MUD & CHEMICALS ADDED: TYPE | AMT | TYPE | AMT

FOOTAGE: FROM | TO | DR. D. OR P. CORE C. | CORE NO.

FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | S.P.M. | PUMP NO. LINER SIZE | S.P.M. | METHOD

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG: FROM | TO | ELAPSED TIME | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLING RAT hole
#Trying To Get RAT hole SOCK IN RAT hole.

STEEL LINE MEASUREMENT | SHOULD READ | DRILLER

DAY TOUR FROM ___ TO ___

DRILLING ASSEMBLY AT END OF TOUR: STANDS D.P. FT. | SINGLES D.P. FT. | D.C. I.D. O.D. FT. | D.C. I.D. O.D. FT. | O.D. FT. | O.D. FT. | O.D. FT. | SUBS O.D. FT. | BIT OR C.B. FT. | KELLY DOWN FT. | TOTAL FT. | WT. OF STRING LBS.

BIT RECORD: BIT NO. 1 | SIZE 12 1/4 | MFG. H.T.C. | TYPE OSC | NOZ. NO. SIZE | SER. NO. 47635 | DEPTH OUT | DEPTH IN 0 | TOTAL FTG. 18 | TOTAL HR. RUN 1 1/2 | COND. OF BIT | REAMER NO. | REAMER TYPE

MUD RECORD: TIME | WEIGHT | VISC. SEC | W.L. C.C. | FILTR. CK. | PH | SD. CONT. %

MUD & CHEMICALS ADDED: TYPE | AMT | TYPE | AMT

FOOTAGE: FROM 0 | TO 18 | DR. D. OR P. CORE C. | CORE NO.

FORMATION (SHOW CORE RECOVERY): LIMESTONE.

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG: FROM | TO | ELAPSED TIME | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00 AM	10:00 AM	2	Finished RAT hole.
10:00	2:30 PM	4 1/2	Mix Mud + Finish Conductor PBL.
2:30 PM	WOC	1 1/2	DRILLING.

Spud at 2:30 PM Jan. 20 1960

STEEL LINE MEASUREMENT | SHOULD READ | DRILLER

EVENING TOUR FROM ___ TO ___

DRILLING ASSEMBLY AT END OF TOUR: STANDS D.P. FT. | SINGLES D.P. FT. | D.C. I.D. O.D. FT. | D.C. I.D. O.D. FT. | O.D. FT. | O.D. FT. | O.D. FT. | SUBS O.D. FT. | BIT OR C.B. FT. | KELLY DOWN FT. | TOTAL FT. | WT. OF STRING LBS.

BIT RECORD: BIT NO. 1 | 2 | SIZE ~~8 3/4~~ 12 1/4 | 7 7/8 | MFG. H.T.C. | H.T.C. | TYPE OSC | OSC3 | NOZ. NO. SIZE | SER. NO. 47636 | 65216 | DEPTH OUT 46 | 46 | DEPTH IN 0 | TOTAL FTG. | TOTAL HR. RUN 5 1/2 | COND. OF BIT Good | DRLG | REAMER NO. | REAMER TYPE

MUD RECORD: TIME | WEIGHT | VISC. SEC | W.L. C.C. | FILTR. CK. | PH | SD. CONT. %

MUD & CHEMICALS ADDED: TYPE | AMT | TYPE | AMT

FOOTAGE: FROM 18 | TO 70 | DR. D. OR P. CORE C. | CORE NO.

FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | S.P.M. | PUMP NO. LINER SIZE | S.P.M. | METHOD

DEVIATION RECORD: DEPTH 30 | DEV 7/8° | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV | DIRECTION

TIME LOG: FROM | TO | ELAPSED TIME | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	7:30 PM	3 1/2	DRILLING 12 1/4 Hole
7:30	8:00 PM	1/2	Pick up DRILL COLLAR & SURVEY.
8:00	12	4	DRILL 7 7/8" HOLE

STEEL LINE MEASUREMENT | SHOULD READ | DRILLER