HOME SIGNAL CSP CELIBETA No. 5

Drilling Authority No.

Date Issued

WELL NAME: Home Signal CSP Colibeta No. 5

FIELD Wildcat

Area: Colibeta Lake

LOCATION: Unit Section Grid

Latitude 60°05' 17.42" N. Longitude 122°11' 05.02" W.

From Established Reference Marker

Rig Release Date: 19-2-61

Status D & A

Information Release Date 19-2-63

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.

Head.

FORM "B"

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

NORTHERN ADMINISTRATION BRANCH

RESOURCES DIVISION

For the period from . December 29, 1960

to . February 19, 1961

REPORT of ~~CONSTRUCTION~~ ~~REMEDIAL~~ ~~REPRESSURING~~ ~~SUSPENSION~~ ABANDONMENT of a Well

F-40-60° 10'-122°00'

Permit No. 2713 .

Name of well . .Home Signal CSP Caltheta No. 5 . . . . . Lease No. . - . .

Registered owner Home Oil Company Limited, Drilling Company Brinkerhoff Drilling Co.
Canada Southern Petroleums Ltd., Signal Oil & Gas Co., Kern County Land Co.

Location 60° 05' 17.42" . . . . . N. Lat. 122° 11' 05.02" W. Long.

Survey description, if available Unit E, Sec. 56, Grid Area, in 60° 10', 122° 00' Datum B.C. Boundry Mon. 65-A

Elevation: Ground . 1586 . . . Last previous depth . 4950 plugged . . . . .

Kelly bushing. 1600. . . . Present depth . 4950 plugged . . . . .

Spudded . December 29, 1960 . . . . . Finished drilling Feb. 18/61 Rig Released

February 19, 1961 .

Deviations from vertical . .As per reverse side of this sheet. . . . . .

. . . . . .

CASING RECORD

Date	Size O.D.	Weight lbs/ft	Grade	Set at feet	Sacks Cement	Top of Cement
Jan. 5/61	13-3/8".	54.5	J-55	8951 K.B.	775	To surface
2. Nil						
3. -						
4. -						

TUBING RECORD

Size	Wt. Lbs/foot	Grade	Amount	Landed Depth	Remarks
Nil					
-					

Wellhead . . Nil . . . (Manufacturer) . - . . (Size) . - . . (Series)

.. 2

DEVIATIONS FROM VERTICAL

Depth	Deviation (Degrees)	Depth	Deviation (Degrees)
70'	- 1/8°	2397'	- 3/4°
109'	- 1/8	2499'	- 1
220'	- 1/8	2628'	- 7/8
280'	- 1/8	2786'	- 1
340'	- 1/2	2890'	- 1-1/4
463'	- 1/2	3040'	- 1-1/4
790'	- 1/2	3185'	- 3/4
882'	- 1/2	3405'	- 7/8
1000'	- 1/4	3580'	- 7/8
1155'	- 1/4	3643'	- 1/4
1255'	- 1	3760'	- 3/4
1390'	- 3/4	3869'	- 1
1490'	- 1	4260'	- 1-1/2
1595'	- 7/8	4525'	- 1-1/2
1634'	- 7/8	4695'	- 2-1/4
1725'	- 7/8		
1670'	- 7/8		
1980'	- 7/8		
2088'	- 1		
2195'	- 1		
2295'	- 3/4		

Status of well on completion of drilling Abandoned, non-commercial producer.

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

Cord intervals Core No. 1: 4038-4069 Rec. 50'; Core No. 2: 4070-4120 Rec. 50'.
. . . . . Core #3 . 4554 - 4605' . . . . . .
. . . . . .
. . . . . .

Interval logged: E-log (994-28) (4952-398) . Other logs . Nil . . . . . .
R-log (4956-4557) (4557-120) . . . . . .
M-log (4956-4559) (4559-397) . . . . . .
Velocity log . Nil . . . . . .

The above logs (are)
(~~were not~~) submitted in accordance with Section 65 of the Regulations.

DRILL STEM TESTS

Test No.	Date	Interval Tested	Duration	Results
1	Jan. 15/61	2714-2779	NO 60 mins.	Rec. 10' drlg. mud
2	Feb. 6/61	4496-4526	NO 60 mins.	Rec. 165' mud cut salt water and 2195' salt water
3	Feb. 15/61	2666-2696	NO 60 mins.	Rec. 30' drlg. mud
4	Feb. 16/61	4736-4862	NO 60 mins.	Rec. 4050' muddy salt water
-	. . . .	. . . . .	. . . . .	. . . . .
. . . . .	. . . .	. . . . .	. . . . .	. . . . .
. . . . .	. . . .	. . . . .	. . . . .	. . . . .
. . . . .	. . . .	. . . . .	. . . . .	. . . . .
. . . . .	. . . .	. . . . .	. . . . .	. . . . .
. . . . .	. . . .	. . . . .	. . . . .	. . . . .
. . . . .	. . . .	. . . . .	. . . . .	. . . . .
. . . . .	. . . .	. . . . .	. . . . .	. . . . .

(If space insufficient, attach further sheet)

(Strike out the non-applicable) (~~Completion~~) (~~Workover~~) (~~Conversion~~)

Perforations Bullet. . Nil . . (Well is a dry hole) . . . . . .
. . . . . .

Shootings . . - . . . . . .

Hydraulic fracturing . . . - . . . . . .

Chemical treatment . . . . - . . . . . .

Date initial production tests . . . . . - . . . . . .

Initial production data . . . . . - . . . . . .

Pumping or flowing . . . Nil . . . . . .

Plug back . . . . Nil . . . . . .

Other . . . Nil . . . . . .

. . . . . .

. . . . . .

. . . . . .

. . . . . .

CEMENT PLUGS SET

Date	Plug set at	Sacks cement	Method	Top found at
Feb. 19/61	1950-1700	125	Drill pipe displacement	No fael
Feb. 19/61	1550-1300	130	"	1280'
Feb. 19/61	960- 860	95	"	845'

13-3/8". surface casing cut off 3' below ground level, mixed in 10 sacks of cement, welded shut with a steel plate. Installed steel riser 4' above ground level with well name and number inscribed. . . . . .

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

Cores will be stored at Canada Pipeline Terminal, Calgary . . . . . .

Core analysis (~~was made~~) of the Intervals Will not be made . . . . . .
(~~to be made~~)

Oil analysis (~~was made~~) of the Intervals. None recovered. . . . . .
(~~to be made~~)

Gas analysis (~~was made~~) of the Intervals. None recovered . . . . . .
(~~to be made~~)

Water analysis (~~was made~~) of the Intervals. as per DST intervals. . . .
(to be made)

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

ADDITIONAL DETAILS AND COMMENTS

Well showed no commercial deposits of hydrocarbons, . . . and as such has been plugged and abandoned. . . . . .

. . . . . .

. . . . . .

. . . . . .

Signed. H. R. Wyckoff . . Address 304, 6 Avenue, S.W., Calgary, Alta.

Date . . March 21, 1961 . . . . .

(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.)

H-a-d

FORM "C"

C A N A D A

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

NORTHERN ADMINISTRATION BRANCH

RESOURCES DIVISION

E-60-60°10'-122°00'

ABANDON

NOTICE OF INTENTION TO or a Well

~~SUSPEND/ABANDON~~

(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 Home Signal CFP Celibeta No. 5 on Oil and Gas

Permit No. 2713 .

Lease No. - . . .

Registered in the name of Canada Southern Pet. Ltd. Home Oil Company Ltd., Signal Oil & Gas Co., Kern County Land Co.

Depth 1950 . .feet. Elevation above sea level: Ground surface . 1536 . . . ft. Kelly bushing . 1600 . . . ft.

Location . 60°. 05'. 17.42" . . . . .N. Lat. 122°. 11'. 05.02" . . . . . 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 . Unit E, Sec. 56, Grid Area in 60° 10', 122° 00' Datum B.C. Boundary Mon. 65-A

CASING RECORD

	Size O.D. inches	Weight lbs/ft	Grade	Amount feet	Set at feet	Sacks cement	Method	to be withdrawn
1	13-3/8"	54.5	J-55	398.58	895' K.B.	775	Plug displacement	Nil
2	Nil							
3	-							
4	-							

OIL, GAS AND WATER

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

Oil from . - . . .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.

DST #2 Water from .4446 .feet to 4526. feet From .4950 .feet to .4700 .feet with .125. . sacks cement.

DST #4 Water from 4736. .feet to 4862. feet From .4950 .feet to .4700 .feet with .125. . sacks cement.

Surface and bottom plugs:

1. from .4950 .feet to 4700. .feet with .125. .sacks cement.
2. from .4950 .feet to 4300. .feet with .130. .sacks cement.
3. from . 960 .feet to .810. .feet with . 95. .sacks cement.

Date of last operation . .February.19,.1961. . . . .Total depth .4950' K.B. . .

Nature of liquid left in well Drlg. mud and cementing plugs/. . Level from surface .To surface . . abandonment

The following logs ~~were~~ have been run . Induction, Gamma Ray . . . . . .

Sentron, Micrplog . . . . . .

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

Present condition of well in addition to a bove Well now abandoned and plugged. .

. . . . . .

. . . . . .

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

Program of operation not included above .Ran cement plugs as follows: . . . . .

Plug No. 1 4950-4700 125 sacks cement - no feal. . . . . .
Plug No. 2 4550-4300 130 sacks cement - felt plug at 4280'
Plug No. 3. 960- 860 . 95 sacks cement,- felt plug at 845'. . . . . .

Cut casing off below ground level, mix in 10 sacks, welded shut with steel plate and installed dry hole marker with well name inscribed on same.

Responsible agents of permittee or lessee in charge of operation:

At well . . . . . G.L. Stafford . . . . . Postal address . . . . . 304, 6 Avenue, S.W., Calgary

At registered office . . . . . H.R. Wyckoff . . . . . Postal address . . . . . 304, 6 Avenue, 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 . . . . . 21st . . . . . day of . . . . . March 19. 61

Signed by . . H. R. Wyckoff . . . . .

This program is approved subject to the following provisions:

confirming verbal approval of 17/2/61

27/3/61
Date

A. Record
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~~

57

In accordance with Section 52 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. 2713 registered in the name of
Lease No. Canada Southern Petroleums Ltd.,
Home Oil Company Limited,
Signal Oil & Gas Co.
Kern County Land Co.

TYPE OF WELL:

Wildcat Wildcat

Development -

Expected total depth 5000 feet, in the Presqu'il Dolomite formation of Middle Devonian age.

The well will be located at 60° 05' 21" N. Lat. 122° 11' 0" 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 of Location, if known Ltd. 'E' of Section 56, exact limit location will be supplied as soon as available.

Approximate surface elevation of 1581 feet above sea level.

Name of well Home Signal CSP Celibeta No. 5

Type of drilling rig CP-350 Emsco (Rotary)

Expected date of commencement December 28, 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.	13-3/8	54.5	J-55	Not known	New	800' plus	To surface
2.	9-5/8	36.0	J-55	"	"	4020'	T.D. to cover any porosity.
3.	7	23.0	J-55 & N-80	"	"	T.D.	T.D. to cover any porosity.

This casing program may be by necessity of well bore conditions be changed to accommodate unexpected severe lost circulation. Refer to enclosed 'Well Drilling Program'.

.. 2

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

Devonian	995'	
First Dunes Limestone	1855'	
Silt	2020'	
Second Dunes Limestone	2705'	
Sparrow River Shale	4065'	
Slave Point	4095'	Expected gas zones.
Watt Mountain	4335'	
Presqu'il Limestone	4360'	
Presqu'il Dolomite	4530'	

An electric log will be run / will not be run. Other logs will be run / will not be run.

STRUCTURE TEST PROGRAM

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

. . . . . N. Latitudes

. . . . . W. Longitudes

An electric log will be run / will not be run. Other logs will be run / will not be run.

Name and address of drilling contractor . Brinkerhoff Drilling Co. Ltd.
220 Bentall Bldg.,
Calgary, Alberta.

Responsible agents of permittee or lessee in charge of operation:

At well . L Stafford . . . . . Postal address 304 - 6th Ave. S.W., Calgary

At registered office . H.R. Wychoff . . . . . Postal address 304 - 6th Ave. 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 8th day of DECEMBER 19 60

Signed by W. D. Lundberg

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

Because of the delays which will be caused by the remoteness of your operation in furnishing the daily drilling reports each week to my office oral, or if preferred, written reports on the progress of the well are to be sent based on the daily reports you receive by radio.

14 December, 1960
Date

B. H. Sloan
Oil Conservation Engineer.

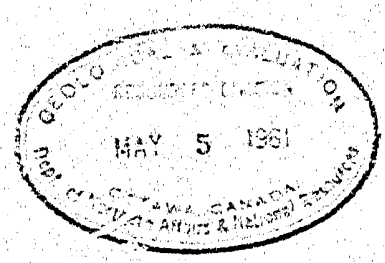
(To be submitted in triplicate to the Oil Conservation Engineer at least 15 days prior to the commencement of drilling)

COMPLETION REPORT

HOME SIGNAL C.S.P. CELIBETA NO. 5

60 05' 21" N.
122 11' 00" W.

REPORT ON THE DRILLING AND ABANDONMENT OF HOME SIGNAL CSP CELIBETA #5.



HOME OIL COMPANY LIMITED

* *

MARCH 1961

F O R E W O R D

This report covers the drilling and abandonment of Home Signal CSP Celibeta #5, from spud in to final completion. All factual data concerning this well are included.

The Engineering and Geological Departments of the Home Oil Company Limited prepared this report and completed it in its final form from information in the files of the Company.

DISTRIBUTION:

Home	2
Kern County	2
Alminex	1
Signal	2
Canada Southern	3

HOME OIL COMPANY LIMITED

Wm. D. Lundberg
Production Superintendent.

J. L. Carr, Chief Geologist.

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Gamma Ray-Neutron Log
Microlog-Caliper

SUMMARY OF WELL DATA

G I

HOME OIL COMPANY LIMITED

Summary of Well Data

Name of Well: HOME SIGNAL C.S.P. CELIBETA NO. 5

Location: 60° 05' 21" N. 122° 11' 00" W. Northwest Territories **Co-Ordinates:**

Elevation: Ground: 1586

Kelly Bushing: 1600

Operator: Home Oil Company Limited **Contractor:** Brinkerhoff Rig #26

Spud in: 7:00 A.M. December 29/60 **Completed Drilling:** February 18/61 **Total Depth** 4950

Rig Released: 2:30 P.M. February 19/61 **Abandonment Date:** 2:30 P.M. February 19/61

Status: Dry and Abandoned **Producing Horizon(s):** -

On Production: - **I.P.:** -

Surface Casing: 13 3/8 x 895 x Cemented 775 + 2% $CaCl_2$

Production Casing: -

Perforated: - **Acidized and/or Sand-Frac:** -

Logs:

Schlumberger:	Run #1	Induction-Electrical	1"=20' 1"=50'	994 - 28	January 1/61
Schlumberger:	Run #1	Microlog-Caliper	1"=20' 1"=50'	3856 - 895	January 24/61
Schlumberger:	Run #1	Gamma Ray-Neutron	1"=20' 1"=50'	4557 - 120	February 8/61
Schlumberger:	Run #2	Induction-Electrical	1"=20' 1"=50'	3652 - 895	January 23/61
Schlumberger:	Run #2	Microlog-Caliper	1"=20' 1"=50'	4559 - 3657	February 7/61
Schlumberger:	Run #2	Gamma Ray-Neutron	1"=20' 1"=50'	4956 - 4557	February 18/61
Schlumberger:	Run #3	Induction-Electrical	1"=20' 1"=50'	4554 - 3652	February 7/61
Schlumberger:	Run #3	Microlog-Caliper	1"=20' 1"=50'	4956 - 4559	February 18/61
Schlumberger:	Run #4	Induction-Electrical	1"=20' 1"=50'	4952 - 4554	February 17/61

Cores:

Core #1	4019 - 4069	Rec. 50 ft.
Core #2	4070 - 4120	Rec. 50 ft.
Core #3	4559 - 4605	Rec. 46 ft.

HOME SIGNAL C.S.P. CELIBETA NO. 5

Summary of Well Data

Markers	Samples	Gamma Ray-Neutron	Sub-Sea
Bottom Drift (Top Mississippian)	580	545	+1055
Exshaw	-	645	+ 955
Devonian	830	685	+ 915
First Dense Limestone	1643	1637	- 37
Second Dense Limestone	2550	2635	-1035
Spence River Shale	-	3945	-2345
Slave Point	4003	4008	-2408
Watt Mountain Formation	4325	4290	-2690
Presqu'ile Limestone (Elk Point)	-	4315	-2715
Presqu'ile Dolomite	4415	4420	-2820
Total Depth		4950	-3350

HOME SIGNAL C.S.P. CELIBETA NO. 5

Summary of Drill Stem Tests

Drill Stem Test #1 2714-2779 (2nd Dense Limestone)
Valve open 60 mins. Initial Shut-in 30 mins.
Final Shut-in 30 mins. 1/2" Choke
Weak initial puff, died instantly.
Recovered 10 ft. drilling mud

Hydrostatic Pressure	Initial	1595	Final	1608
Flow Pressure	Initial	65	Final	68
Shut-in Pressure	Initial	99	Final	68

Drill Stem Test #2 4446 - 4526 (Presqu'ile Dolomite)
Valve open 60 mins. Initial Shut-in 30 mins.
Final Shut-in 60 mins. 1/2" Choke
Good initial puff remaining throughout.
Recovered 2180 ft. salt water, 180 ft. water-cut mud.

Hydrostatic Pressure	Initial	2571	Final	2526
Flow Pressure	Initial	719	Final	1581
Shut-in Pressure	Initial	1746	Final	1736

Drill Stem Test #3 2666 - 2696 (2nd Dense Limestone)
Valve open 60 mins. Initial Shut-in 30 mins.
Final Shut-in 30 mins. 1/2" Choke
Fair initial puff, dead in one minute.
Recovered 30 ft. drilling mud

Hydrostatic Pressure	Initial	1468	Final	1457
Flow Pressure	Initial	47	Final	349
Shut-in Pressure	Initial	601	Final	346

Drill Stem Test #4 4735 - 4862 (Presqu'ile Dolomite)
Valve open 60 mins. Initial Shut-in 32 mins.
Final Shut-in 60 mins. 1/2" Choke
Good initial puff. Strong air blow, decreasing to poor at the end of test.
Recovered 4050 ft. muddy salt water and salty mud.

Hydrostatic Pressure	Initial	2640	Final	2595
Flow Pressure	Initial	905	Final	1880
Shut-in Pressure	Initial	1880	Final	1880

GEOLOGY
G II

HOME SIGNAL C.S.P. CELIBETA NO. 5

General Statement

This well was drilled on a commitment in a block of 1,226,664 acres, farmed out from Canada Southern and located three miles southeast from the discovery well, Home Signal C.S.P. Celibeta No. 2. The location was chosen on the eastern flank of a seismic structure. The Slave Point formation which is productive in Home Signal C.S.P. Celibeta No. 2, proved to be tight. The Presqu'ile Dolomite, tight in Home Signal C.S.P. Celibeta No. 1, was found porous but contained salt water.

Drilling costs for the well were shared as follows:

Signal	50%
Home Oil	25%
Kern County	10%
Alminex	10%
United	5%

and this earned the following interest in the well:

Canada Southern	37.5%
Signal	25%
Home Oil	12.5%
Oil Investment	6.25%
Magellan	6.25%
Kern County	5%
Alminex	5%
United	

Samples

Samples were caught at 10 foot intervals from 150' to total depth for Home Oil Company, Signal Oil and Gas, The Dominion Government and Canadian Strategraphic Service Limited.

Additional five foot intervals were caught from 3850' to total depth for Home Oil Caompany and Signal Oil and Gas.

Cores

Three cores were cut from the interval 4019-4069; 4070-4020; and 4559-4605.

HOME SIGNAL C&P CELIBETA NO. 5

SAMPLE DESCRIPTION

W. Burgers

Interval	Description
0 - 150	No samples.
150 - 580	Glacial drift. Fragments of gravels partly of Precambrian origin, granite chunks of pink orthoclase? and dark hornblende, frosted quartz grains, black chert and other siliceous material, some purple shale.
580 - 590	Shale, some chips of dirty grey, earthy textured, chunky. Abundant drift material.
590 - 600	Shale as above.
600 - 610	Limestone, some chips of olive-brown, chalky; shale as above. Abundant drift material.
610 - 620	Shale, brownish dark grey, chunky, bituminous; limestone as above. Abundant drift material.
620 - 630	Limestone, some chips, olive-brown, bituminous, chalky. Abundant drift material
630 - 640	Shale, dirty grey, earthy textured (caving?). Abundant drift material.
640 - 650	Limestone, some chips microcrystalline, olive-grey. Shale as above (caving?) and drift material.
650 - 660	Shale, brownish black, smooth, platy. Shale as above (caving?), drift material.
660 - 670	Limestone, a few chips, light grey, sugary textured. Silty. Shale, dirty grey, earthy textured (caving?), drift material.
670 - 680	As above, very poor sample.
680 - 690	Shale, black, bituminous with partings of bituminous chalky limestone. Drift material.
690 - 700	As above. Trace of spores.
700 - 710	Shale, Exshaw type, black, smooth, slightly micro-micaceous, bituminous. Shale, brownish dark grey, chunky. Limestone, light grey, silty (caving?). Some drift material.
720 - 820	As above.
820 - 830	Shale, light grey, smooth, calcareous, some Exshaw shale and drift material.

Interval	Description
830 - 840	As above.
840 - 850	As above, fragments of brachiopods.
850 - 860	Shale, light grey. smooth, calcareous, fossiliferous, (crinoid stem), pyrite. Some Exshaw shale and drift.
870 - 890	As above.
890 - 900	As above, crinoid stem.
900 - 910	Shale, light grey, smooth, calcareous, fossiliferous (brachiopods, ostracods).
910 - 920	Shale, as above with a trace of silt.
920 - 930	As above. Pyrite.
930 - 940	As above. Brachiopods.
950 - 960	As above. Some drift material.
960 - 970	As above. Ostracods. Trace of pyrite.
970 - 980	As above. Brachiopods. Trace of pyrite.
980 - 990	As above. Some Exshaw shale and drift material.
990 - 1000	As above. Ostracods.
1000 - 1010	Siltstone, light grey, argillaceous, calcareous. Limestone, light grey, microcrystalline. Shale, dark grey, silty. Cement and some drift material.
1010 - 1020	As above.
1020 - 1030	Shale, light grey, silty, calcareous. Limestone, dirty grey, organic.
1040 - 1050	As above.
1050 - 1060	Shale, light grey, micro-micaceous, calcareous. Limestone, fossiliferous with numerous ostracods and some crinoids.
1070 - 1160	As above.
1160 - 1170	Shale, light grey, smooth, micro-micaceous, calcareous with some fossil fragments.
1170 - 1640	As above.
1640 - 1650	Limestone, creamy to brown, cryptocrystalline to lithographic with calcite filled fractures and an occasional vug filled with calcite. Stylolites, in spots some staining of dead oil.

Interval	Description
1660 - 1670	As above.
1670 - 1680	Limestone as above with some dark grey waxy shale.
1680 - 1780	As above.
1780 - 1790	Limestone, lithographic and cryptocrystalline. Stylolites. Trace of brown silt. Some staining of dead oil.
1790 - 1820	As above with some dark grey, waxy shale.
1820 - 1870	Limestone, dirty grey, silty and dark grey waxy shale.
1870 - 1880	Siltstone, dirty grey, calcareous and waxy shale.
1880 - 1890	As above.
1890 - 1900	Shale, dark grey, smooth, platy, calcareous. Limestone, dirty grey, argillaceous, a bit silty. Limestone, lithographic (caving?).
1900 - 1910	Limestone, dirty grey, slightly silty, argillaceous. Shale, dark grey, smooth, platy, calcareous.
1920 - 1960	As above.
1960 - 1970	Shale, medium dark grey, smooth, chunky. Limestone, dirty grey, silty.
1970 - 1980	As above.
1980 - 1990	Shale, medium dark grey and light grey, silty shale.
2000 - 2070	As above.
2070 - 2080	Shale, medium dark grey, smooth, chunky. Siltstone, dirty grey. Some chips of limestone.
2080 - 2090	As above.
2090 - 2100	Siltstone, milk-white to dirty grey. Limestone, fine granular and fragmental. Shale as above.
2100 - 2110	As above. Siltstone, stained.
2110 - 2120	Limestone, fragmental, dark dirty grey, well cemented. Shale and siltstone as above.
2120 - 2130	As above.
2130 - 2140	Shale, dirty grey, silty. Fragmental limestone, as above.
2150 - 2160	As above.

Interval	Description
2160 - 2170	Shale, medium dark grey, smooth, micro-micaceous. Siltstone, dirty grey. Fragmental limestone (caving?)
2170 - 2260	As above.
2260 - 2270	Shale, medium dark grey, smooth, partly purple colored through the "Bayflow" in the mud.
2270 - 2280	Fragmental limestone. Shale as above.
2280 - 2290	Shale, dark grey, purplish colored through mud. Fragmental limestone as above.
2290 - 2350	As above.
2350 - 2360	Shale, black-grey, smooth, some chips of lithographic limestone.
2360 - 2370	As above.
2370 - 2380	Shale as above, some chips of dirty grey siltstone.
2380 - 2390	As above.
2390 - 2400	As above. Some chips of lithographic limestone and fragmental limestone.
2400 - 2490	Shale, black-grey, smooth, some chips of fragmental limestone.
2490 - 2540	As above.
2540 - 2550	Limestone, fragmental, dark grey, well cemented. Shale as above.
2550 - 2560	As above.
2560 - 2570	Limestone, dirty grey, medium granular, partly fragmental. Shale as above.
2570 - 2630	As above.
2630 - 2640	Limestone, dark brown, micro-crystalline with veins of crypto-crystalline to chalky, partly organic.
2640 - 2660	As above.
2660 - 2670	Limestone, creamy-white, chalky with patchy oil stains along possible fractures, no visible porosity
2670 - 2680	As above. Sample had oil odor.
2680 - 2690	As above. Strong oil odor.

Interval	Description
2690 - 2700	Limestone, creamy-white with calcite crystals. Trace of vuggy porosity.
2700 - 2710	Limestone, brown, microcrystalline and chalky.
2710 - 2720	As above. Some hairline fractures.
2720 - 2730	As above. Trace of vuggy porosity.
2730 - 2740	Limestone as above. Trace of vuggy porosity.
2740 - 2750	Limestone, chalky with a few patchy oil stains.
2750 - 2760	As above. Some stains and a trace of vuggy porosity.
2760 - 2780	As above.
2780 - 2790	Shale, dark grey, smooth, platy. Limestone, cryptocrystalline (caving?).
2790 - 2800	As above.
2800 - 2810	Siltstone, dirty grey. Shale and limestone as above.
2810 - 2820	Shale, dark grey, chunky. Shale, siltstone and limestone as above.
2820 - 2830	As above.
2830 - 2840	As above. Shell fragment.
2840 - 2850	Shale, black-grey, smooth, splintery, some dirty grey siltstone.
2850 - 2860	Shale, dark grey, chunky, some dirty grey siltstone.
2860 - 2920	As above.
2920 - 2930	As above. Pyrite.
2930 - 2950	As above.
2950 - 2960	As above. Sample burnt.
2960 - 3240	As above.
3240 - 3250	Shale, black-grey, smooth, platy. Some chips of limestone.
3250 - 3260	Black-grey shale, smooth and platy.
3260 - 3270	As above.

Interval	Description
3270 - 3280	As above. Pyrite.
3280 - 3290	Shale, black-grey; some chips of dirty grey siltstone.
3290 - 3390	As above.
3390 - 3400	As above. Pyrite.
3400 - 3620	As above.
3620 - 3630	Shale, dark grey, smooth, chunky. Some dirty grey siltstone. Some chips of limestone.
3630 - 3660	As above.
3660 - 3670	As above. Some pyrite.
3670 - 3720	As above.
3720 - 3730	Shale, black-grey, smooth, platy. Some dirty grey siltstone.
3730 - 3800	As above.
3800 - 3810	Shale, dark brownish black and black-grey shale.
3810 - 3820	Black-grey shale. Some dirty grey siltstone.
3820 - 3840	As above.
3840 - 3850	As above. Some pyrite. Some chips of microcrystalline limestone.
3850 - 3870	As above.
3870 - 3875	As above. Some pyrite.
3875 - 3885	As above.
3885 - 3890	As above. (Quartz grains, granite fragments?)
3890 - 3895	As above. A fragment of granite.
3895 - 3900	As above. A few pieces of granite. Some chips of cryptocrystalline limestone.
3900 - 3905	As above.
3905 - 3910	Limestone, creamy-white, cryptocrystalline and microcrystalline with a trace of pin-point porosity. Angular fragments of pink granite. Some frosted quartz grains. Some pieces of light grey calcareous siltstone. Shale as above (caving?).

Interval	Description
3910 - 3915	As above, more shale (cavings?).
3915 - 3920	As above, more shale.
3920 - 3925	Shale, medium dark grey with a little waxy luster. Shale, dark and black-grey (cavings?).
3925 - 3945	As above.
3945 - 3950	Shale, black and medium dark grey, smooth, chunky, some fragments of granite. A few chips of cryptocrystalline limestone.
3950 - 3955	Shale, black and medium dark grey, pyritic, smooth chunky. Some chips of cryptocrystalline limestone.
3955 - 4000	As above.
4000 - 4005	Limestone, black-grey, dense, argillaceous with veins of cryptocrystalline limestone, containing some pyrite. Shale cavings.
4005 - 4015	As above.
4019 - 4069	Core No. 1.
4070 - 4120	Core No. 2.
4120 - 4125	Limestone, black-grey, dense, argillaceous with patches of brown microcrystalline limestone. Shale cavings.
4125 - 4140	As above.
4140 - 4145	Limestone, black-grey, dense, argillaceous with inclusions in the shape of fossils of brown, microcrystalline limestone. Shale cavings.
4145 - 4220	As above.
4220 - 4225	Limestone, olive brown, microcrystalline and black-grey, argillaceous limestone. Shale cavings.
4225 - 4230	As above.
4230 - 4235	Limestone, olive brown, microcrystalline with veins of chalky limestone. Traces of pyrite. Shale cavings.
4235 - 4245	As above.
4245 - 4250	Limestone, black-grey, dense, argillaceous with veins of chalky limestone. Traces of pyrite. Shale cavings.

Interval	Description
4250 - 4255	Limestone, olive brown, microcrystalline with veins of chalky limestone interbeddad with black-grey fossiliferous limestone. Shale cavings.
4255 - 4260	Limestone, olive brown, microcrystalline with veins of chalky limestone. Pyrite. Shale cavings.
4260 - 4265	Limestone, black-dirty grey and olive brown, fragmental with veins of chalky limestone.
4265 - 4320	As above.
4320 - 4325	Limestone as above with a few chips of bluish grey, waxy shale.
4325 - 4330	Limestone, black-dirty grey and olive brown, fragmental with veins of chalky limestone. Shale cavings.
4330 - 4370	As above.
4370 - 4375	Limestone, dirty grey, fragmental with veins of chalky limestone, partly brown, microcrystalline limestone.
4375 - 4410	As above.
4410 - 4415	Dolomite, a few chips of brown coarse crystals and limestone as above.
4415 - 4420	As above.
4420 - 4425	Dolomite, brownish-dirty grey with vugs of secondary dolomite crystals, matrix, tight.
4425 - 4430	As above, no visible porosity.
4430 - 4435	As above. A trace of vuggy porosity, no permeability.
4435 - 4440	As above. A trace of vuggy porosity, no permeability.
4440 - 4445	As above, vuggy porosity, no permeability.
4445 - 4450	As above, vuggy porosity, permeability?
4450 - 4455	As above, vuggy porosity, permeability?
4455 - 4460	As above, vuggy porosity, some permeability.
4460 - 4475	As above, vuggy porosity, some permeability.
4475 - 4490	As above, some vuggy porosity, no permeability.
4490 - 4500	As above, some vuggy porosity, permeability?

Interval	Description
4500 - 4520	As above, some vuggy porosity, some permeability.
4520 - 4555	As above, good vuggy porosity, good permeability.
4559 - 4605	Core No. 3.
4605 - 4610	Dolomite, black-dirty grey, coarse crystals with white, dolomite crystals, some vuggy porosity, no permeability.
4610 - 4655	As above.
4655 - 4660	Dolomite, brownish-dirtygrey, medium crystalline, white dolomite crystals, trace of vuggy porosity, no permeability.
4660 - 4700	As above.
4700 - 4705	Dolomite, brownish-grey, medium crystalline. Limestone, dark brown, microcrystalline with veins of chalky limestone.
4705 - 4715	As above.
4715 - 4735	Limestone, dark brown, microcrystalline, slightly argillaceous, dense, some chalky limestone.
4735 - 4795	Dolomite, blackish-grey, micro-granular, in part with white, dolomite crystals. (Vug infillings) Scattered vuggy porosity, no permeability.
4795 - 4810	Dolomite, blackish and dirty grey, medium to fine crystalline, trace only of intercrystalline porosity. Large, white, idiomorphic dolomite crystals, suggesting large vugs. Trace of crinoid fragments at 4795.
4810 - 4815	Dolomite as above, one piece only with fair intercrystalline porosity. Idiomorphic quartz crystals. Part pyritic.
4815 - 4835	Dolomite, blackish and dirty grey, fine to coarse crystalline, poor intercrystalline porosity. Large vugs suggested by idiomorphic dolomite crystals. Black shale with disseminated pyrite crystals at 4830.
4835 - 4860	Dolomite as above, dolomite, medium grey, fine to medium crystalline. Traces of intercrystalline porosity, part slightly argillaceous.
4860 - 4885	Dolomite, dirty grey to light grey, fine to medium crystalline, part coarse crystalline. Traces of very poor intercrystalline porosity. Part slightly argillaceous. Few idiomorphic dolomite crystals. Quartz at 4885.

Interval	Description
4885 - 4905	Dolomite, medium to dirty grey, fine crystalline. White dolomite crystal veins and large idiomorphic crystals. Black pyrobituminous and pyritic shale break at 4890. No visible porosity.
4905 - 4910	Dolomite, light to dirty grey, medium crystalline with traces of intercrystalline porosity. Dolomite and quartz crystals as above.
4910 - 4940	Dolomite, light to dirty grey, fine to medium crystalline, dense. Traces of crinoid fragments. Large idiomorphic dolomite crystals to 4920. Black, pyrobituminous and pyritic shale stringer at 4920.
4940 - 4950	Dolomite, as for 4905 - 4910.

HOME SIGNAL C.S.P. CELIBETA NO. 5

CORE DESCRIPTION

W. Burgers

Interval	Description
Core #1	4019-4069 Cut 50' recovered 50'.
4019 - 4038	Limestone, brownish to dark grey, slightly argillaceous, dense, with numerous small inclusions of brown microcrystalline limestone representing recrystallized fossils. Some vugs filled with calcite crystals. Stylolites common, with some staining along their irregular fracture planes. A vertical fracture of 6" at 4033. No porosity.
4038 - 4049	Limestone, as above with some larger inclusions of brown microcrystalline limestone resembling stromatoporoid colonies.
4049 - 4069	Limestone, brownish dark grey interbedded with black calcareous shale inclusions of brown microcrystalline limestone resembling amphiporoids.
Core #2	4070-4120 Cut 50' recovered 50'.
4070 - 4120	Limestone, dark grey, slightly argillaceous, with numerous small and big inclusions of brown microcrystalline limestone, resembling stromatoporoids and amphiporoids. A few hairline fractures with some staining. A few stylolites.
Core #3	4559-4605 Cut 46' recovered 46'.
4559 - 4561	Dolomite, black grey, coarse crystalline with many vugs up to 2 inches. Vugs lined with vitreous quartz crystals.
4561 - 4562	Dolomite, black grey, coarse crystalline with an occasional vug up to 1/2 inch. Matrix tight, no permeability.
4562.25-4562.50	Dolomite secondary, white, resembling a coral colony.
4562.50-4564	Dolomite, black grey, coarse crystalline with a few scattered small vugs (1/4 inch), matrix tight, no permeability.
4564 - 4572	Dolomite, black grey with an occasional large vug up to 3 inches. Vugs lined with vitreous quartz crystals. Matrix tight, no permeability.
4572 - 4575	Dolomite, black grey, coarse crystalline with rare little vugs, matrix tight, no permeability.
4575 - 4594	Dolomite, black grey, coarse crystalline with lenticular vugs filled with secondary dolomite, rare quartz crystals, rare vugs.
4594 - 4595	Dolomite, black grey, coarse crystalline, two bands of interconnected vugs, with good porosity and permeability.
4595 - 4605	Dolomite, black grey, coarse crystalline with lenticular vugs filled with secondary dolomite. Occasionally a lenticular vug with lining of quartz crystals. Matrix tight, no permeability.

CORING TIME RECORD

G IV

HOME SIGNAL C.S.P. CELIBETA NO. 5

Coring Time Record

Core No.	Depth From	To	Time Elapsed Minutes	Remarks
1	4019	4020	71	
		21	21	
		22	16	
		23	14	
		24	13	Vis. 124
		25	13	
		26	14	
		27	13	Connection 1 hr. 42 min.
		28	17	unjamming barrel
		29	15	
		4030	14	
		31	13	
		32	14	
		33	13	
		34	13	
		35	15	
		36	16	
		37	15	
		38	15	
		39	15	
		4040	15	
		41	17	
		42	14	
		43	14	
		44	13	
		45	14	
		46	13	
		47	12	
		48	14	
		49	14	
		4050	27	Work on motors 10 min.
		51	15	
		52	20	
		53	25	
		54	16	
		55	18	
		56	17	Drilling off Wt. 6 min.
		57	11	Connection and rig service 41 min.
		58	11	Vis. 142. Wt. 11.0
		59	13	
		4060	13	
		61	14	
		62	14	
		63	16	
		64	22	
		65	15	
		66	13	
		67	14	Vis. 128
		68	15	
		69	13	Drilling off Wt. 10 mins.

Coring Time Cont'd.

Core No.	Depth From	To	Time Elapsed Minutes	Remarks
2	4070	4071	50	
		72	14	
		73	15	
		74	13	
		75	20	
		76	15	Vis. 127 Wt. 10.9 W.L. 4.4
		77	15	
		78	18	
		79	17	
		4080	16	
		81	15	
		82	18	
		83	15	
		84	12	
		85	15	Drilling off Wt. 18 min.
		86	17	Connection and clean out to
		87	20	bottom 69 min.
		88	22	
		89	12	
		4090	14	
		91	12	
		92	15	
		93	12	
		94	16	
		95	10	
		96	10	
		97	12	
		98	11	
		99	13	
		4100	15	
		01	14	
		02	12	
		03	14	
		04	13	
		05	16	
		06	14	
		07	16	
		08	17	
		09	18	
		4110	14	Vis. 130 Wt. 11.0 W.L. 4.0
		11	14	
		12	13	
		13	13	
		14	15	
		15	14	Drilling off Wt. 13 min.
		16	18	Connection and working to
		17	16	bottom 47 min.
		18	16	
		19	25	
		4120	20	

Coring Time Cont'd.

Core No.	Depth From	To	Time Elapsed Minutes	Remarks
3	4559	- 4560	38	
		61	16	
		62	10	
		63	13	
		64	10	
		65	9	
		66	8	
		67	10	Vis. 120 Wt. 10.2 W.L. 4.6
		68	10	
		69	10	
		4570	13	
		71	11	
		72	9	
		73	10	
		74	14	
		75	16	Connection and grease swivel
		76	10	27 min.
		77	10	
		78	11	
		79	11	
		4580	12	Vis. 125 Wt. 10.6 W.L. 4.8
		81	12	
		82	12	
		83	12	
		84	14	
		85	15	
		86	14	
		87	12	
		88	12	
		89	11	
		4590	12	
		91	11	
		92	14	
		93	13	
		94	14	
		95	19	
		96	14	
		97	15	
		98	17	
		99	16	
		4600	15	
		01	20	
		02	22	
		03	26	
		04	16	
		05	14	End of Core

DRILL STEM TESTS
G V

HOME OIL COMPANY LIMITED

DRILL STEM TEST REPORT

NAME OF WELL: HOME SIGNAL C.S.P. CELIBETA #5 Test No. 1 Date: January 15/61

Testing Company: Johnston Testers Limited Tester: K. Burns

Size of Drill Pipe: 4½" DD or PC: 7½" Type: Dual Bobtail Packer:

Interval Tested: 2714 - 2779 Depth of Well: 2779 Formation: 2nd Dense Limestone

Mud Wt: 10.5 Vis: 63 W.L.: 4.0

Packer set with: 44 Hole Size: 10 Time Set: 1:30 P.M.

Time Tool Opened: 11:45 A.M. Time Tool Closed: 12:45 P.M.

Period open: 60 mins. Period shut in: 30 mins. 30 mins. Choke: 1/2"

H P: 1590 H P: 50 Final S I P: 100 Final F P: 60

Initial puff: Weak initial puff, died instantly

Gas to surface? No gas

GAS READINGS

Time	Fluid in Manometer	Displacement	Size of Choke I.D.	Gas

PIPE RECOVERY:

10 ft. drilling mud

Was test satisfactory? Yes

Present at test: F. Desrosiers, L. Stafford, W. Burgers, S. Wilson

Samples of _____ Sent to _____ By _____

Form G-17

W. Burgers
Geologist

G V-2

HOME OIL COMPANY LIMITED

DRILL STEM TEST REPORT

	HOME SIGNAL CSP CELIBETA NO. 5	2		February 6/61
	Johnston Testers Limited			K. Burns
	4½"	7½"	Dual Bobtail	
	4446-4526		4526	Presqu'ile Dolomite
	10.9	125	4.9	
	25		40	12:05 P.M.
	10:07 A.M.		11.05 A.M.	
	60 mins.	30 min.	60 mins.	1/2"
	2490	1525	1705 1705	

Good initial puff throughout.

Ft.	Flowing Manometer	Choke mm	

PIPE RECOVERY

2360' Fluid
2180' Salt Water 180' water cut mud

Was test satisfactory? Yes

Present at test L. Stafford, R. Wilson, W. Burgers

Samples of Water Sent to B

Form G-17 Engineer L. Stafford

HOME OIL COMPANY LIMITED

DRILL STEM TEST REPORT

HOME SIGNAL CSP CELIBETA NO 5 3 February 10/61

Johnston Testers Limited K Burns

4½"	11½"	Single Straddle	
2666 - 2696	4605		2nd Dense Limestone
10.7	95	5.0	
34		40	9:00 A.M.
7.00 A.M.		8:30 A.M.	
60 mins	30 mins.	30 mins.	1/2"

IHP	1468	I	47	601
FHP	1457	FFP	349	346

Fair initial puff, died instantly

RECOVERY

Feet	Fluid Measured	Description	API	Gravity

PIPE RECOVERY 30 ft. Drilling mud

Was test satisfactory? Yes

Present at test L. Stafford, B. Wilson, W. Burgers

Sample of _____ Sent to _____ 5

Form G-17 Engineer L. Stafford

HOME OIL COMPANY LIMITED

Bottom Hole Temperature 172°

DRILL STEM TEST REPORT

HOME SIGNAL CSP CELIBETA NO. 5 — 4 — February 16/61

Johnston Testers Limited — K. Burns

	4½"	7⅞"	Dual Bobtail	
	4735 - 4862		4862	Elk Point Presqu'ile Dolomite
	10.5	126	4.7	
	35		30	10:02 A.M.
	8:02 A.M.		9:02 A.M.	
	60 min.	32 min.	60 min.	1/2"

IHP	2640	I	905	1880
FHP	2595	FFP	1880	1880

Good. Strong air blow, decreasing to poor at the end of test.

-

Estimated visual porosity 0-3%

RECOVERY

Feet	Description	Gravity	API

PIPE RECOVERY — 4050 ft. Muddy salt water and salty mud

Was test satisfactory? Yes

Present at test L. Stafford

Samples of Mud Sent to ____ By ____

Form G-17 — ~~xxxxx~~ F. Szabo, Geologist

E 1 - SUMMARY OF WELL DATA

COMPOSITE WELL REPORT

ENGINEERING SECTION

SUMMARY OF WELL DATA

Name of Well	Home Signal CSP Celibeta #5.
Co-Ordinates:	60° 05' 21" N. & 122° 11' 00" W.
Location:	
Field:	Celibeta Northwest Territories
Elevations:	Ground: 1586 K.B. 1599.65
	Top Casing Bowl Flange 1585.45
SPUDDED IN:	Date: December 29/60 Time: 7:00 A.M.
Drilling Completed Date:(Date of last foot of hole made):	February 17, 1961.
Production Casing Set (Date):	Nil
RIG RELEASE DATE:	February 19, 1961.
Spud In to Prod. Casing Set (Days):	
Spud In to Rig Release (Days):	53 days
ABANDONMENT DATE:	February 17, 1961
STATUS (Oil/Gas or Dry):	Dry
Drilling Contractor:	Brinkerhoff Drilling Co. Ltd.
Operating Company:	Home Oil Company Ltd.

ROUTE TO WELLSITE: (Give Directions from nearest main town).

SUMMARY OF WELL DATA 'Cont'd.'

	Surface Casing	Production Casing	Tubing
Date Set:	Jan.4/60		
Size:	13 3/8		
Weight:	54.5		
Grade:	J-55		
Range:	2		
ST & C or LT & C:	ST & C		
Joints:	28		
Shoe: (K.B.)	895		
Cement:	775		

PERFORATIONS: (Depth Intervals & Shots/Foot)

Depth Interval	Shots/ Foot

ACID JOBS: (Volume & Tupe)

SAND FRAC: (Amount Sand (#)
(Amount Fluid (Gals.)

Well on Production Date: _____

Initial Potential; _____

Cored Intervals (Size, Method, Recovery Feet): _____

Logs Run (Type, Interval & Scale) Microlog, Gamma Ray, Neutron Induction Electric Log.

NOTE: (For further details see detailed reports)

E 11 - CASING REPORT

HOME OIL COMPANY LIMITED

CASING REPORT

(A)

GENERAL DATA

Date: Jan.4/61

Well: Home Signal C.S.P. Celibeta #5
K.B. Elevation 1599.75 Distance KB to Top Csg. Bowl Flange: 14.20
Full Hole Size 17 1/2 Depth 895 Rat Hole Size: 12 1/4 Depth 1000
Casing in Hole (Size and depth)
B.O.P. Equipment Will BOP Pack Off On Casing?:
Mud Conditions Before Running Pipe: Wt: 10.8 #/Gal. Visc. 75
Type of Mud used (From: To: W. L. 7.5 F.C. 2/32
Proposed Landing Depths: Shoe: 895 Float:

REMARKS

CASING INFORMATION (Attach casing tally complete with weights, grade, etc.)

Make: Mannesman
Grade: J-55
ST & C or LT & C: ST & C
No. of Joints Run in Hole: 28
Length Less Thds: 895.70
Length of Shoe: 1.40
Length of Collar 1.48
Total Length: 898.58
Pipe Cut Off: 19.28
Overall String Length: 879.30
Distance KB to Csg. Bowl Flange: 14.20"

Size O.D.: 13 3/8 Wt./Ft.: 54.5
Range: 2 Threads: 8rd
New or Used: New Supplied by Home
Shoe: (Make) Davis Lynch
Shoe: (Type) Guide Sev.600
Collar: (Make) Davis Lynch
Collar: (Type) Float Sev. 700
Centralizers (Make) B & W Latch-on
Centralizers (Type)
Centralizers (No.) 3
(Spacing from Shoe): Middle of jt. #1 - Top jt. 3 - 6

Casing Shoe Depth K.B: 895
Float or Baffle Collar Depth K.B: 859.61

Landing Joint Length: 32.32 Tally No. 28
Shoe Joint Length: 33.53 Tally No. 1
Dope (Make & Grade): Kopr-Kote
No. of Joints Welded: three jts.
Power Tongs Used:
Power Tong Torque Used: ft.lbs.

Scratchers (Make): B & W
Scratchers (Type): Multiflex
SCratchers (No.): 3
Scratchers (Spacing from shoe): 5' - 10' - 15'

Depth Measurements for T.D.

Drill Pipe: to T.D.
Casing: to T.D.
E-Log: to T.D. or
R/A Log: to T.D. or
REMARKS as to Depth Measurement:
Taken: Other Csg. Auxiliary Equip. Used:

REMARKS: Nil

(B)

CASING REPORTS

CEMENTING AND RUNNING

Ht. to be Cemented Above Shoe: To surface Calculated Sacks: 775
Amount Cement Used: 775
Type of Cement: Portland Supplied By: Home
Additives: 2% CaCl2
Supplied By: Home
Cementing Contractor: Dowell Cementing Operator: Kunsey
Cement Contractor Notified By: Stafford

TIMES

Start Rig to Run Pipe: 2:00 A.M.
Start Pipe: 4:00 A.M.
Pipe on Bottom: 9:30 A.M. hrs. to run pipe 5 1/2
Fill up Points: Every joint
Circulating Pipe Time: 3 1/2 hrs.

TIME: Mix Started: 1:25 P.M. Finished: 2:00 P.M. Elapsed time: 35 min.
TIME: Plug Started 2:00 P.M. Bumped: 2:25 P.M. Elapsed time 17 min.
Water ahead of Neat Cement: 10 bbls.
Max. Pumping Pressure on Cement Job: 450#
Max. Pumping Pressure of Plug: 1,000 No. of times Plug Bumped: 2
Displaced Volumes: Water: Mud: Total:
No. of Plugs Used: Top and bottom
Type of Plugs Used: Dowell rubber cementing plugs.
Type of Fluid Used for Displacing Plugs: Drilling Mud

REMARKS AS TO MUD OR CEMENT (RETURNS, ETC.) : Good cement returns to surface.

LANDING PIPE:

Time & Date Landed: June 5, 1961. Hrs. After Plug Bumped: 18 hrs.
Make of Head: Type of Slips & Packing:
Gross Wt. of Cementing String: Weight of Blocks:
Net Wt. of Cementing String: Calculated Wt. of Pipe:
Net Wt. Landed on Slips:
Inches Slacked Off - Cementing Pt. to Slip Setting Pt:
Estimated Freeze Point (K.B.):
Temperature Survey: (Company):
(Depth Interval Run):
(Top of Cement:)

REMARKS:

Nil

HOME OIL COMPANY LIMITED
PIPE REPORT

WELL NAME & NUMBER: Home Signal C.S.P. Celibeta #5

PIPE RECAPITULATION (This Report is to be forwarded directly to Mr. Bill Johnstone, Home Oil Company Limited, Accounting Dept. on completion of job.) 13 3/8 Surface Casing - Jan.4/61

	WEIGHT GRADE	WEIGHT GRADE	WEIGHT GRADE	WEIGHT GRADE	TOTAL
1) No. of Jts. Delivered to Well				54.5 J55	.32
2) Total Footage (with thds.) to Well					1034.08
3) No. of Joints Used					28.00
4) Total Length (less thds.)					895.70
5) Add for Threads					8.20
* 6) Total Length w/Threads (incl. Pipe Cut Off)					903.90
7) Pipe Cut Off					
8) No. of joints not used					4.00
9) Damaged					
10) Not Damaged					
11) Total Length Less Thds.					127-14
12) Add for Threads					3-14
13) Length with Threads					130-18

* Pipe Chargeable to Well 13 3/8 J-55 - 54.5, LT & C, Rge. 2, 8rd.

NOTE: Give other details on pipe such as size, ST & C, or LT & C, Mannesman Casing. Threads, Make and Range.

E 111 - CORE ANALYSIS

NIL

E iV - FLUID ANALYSIS

E V - BIT RECORD

BIT RECORD

No.	Size	Type	From - To	Footage	Hrs. on Bottom
1	12 1/4	YT-3	0 - 537	537	23 1/2
2	12 1/4	YT-3	537 - 793	241	17 1/2
3	1211/4	YT-3	793 -1000	207	15 1/2
1A	17 1/2	Reed Pilot	0 - 643	643	15 1/4
2A	17 1/2	Reed Pilot	643 - 709	64	7 3/4
3A	17 1/2	Reed Pilot	709 - 894	185	24 1/2
4	12 1/4	YT-3	1000 -1424	424	24 1/2
5	12 1/4	YT-3	1424 -1755	331	14 3/4
6	12 1/4	YT-3	1755 -1872	117	12 3/4
7	12 1/4	YT-3	1872 -2081	209	14 1/4
8	12 1/4	YT-3	2081 -2295	214	21 3/4
9	12 1/4	YT-3	2295 -2628	333	24 3/4
10	12 1/4	YT-3	2628 -2699	71	9 1/2
11	8 3/4	YT-3	2699 -2779	80	11 1/2
12	12 1/4	YT-3	2699 -2799	100	14 3/4
13	12 1/4	YT-3	2799 -2934	135	17 1/4
14	12 1/4	YT-3	2934 -3190	256	25 1/4
15	12 1/4	YT-3	3190 -3490	300	22
16	12 1/4	YT-3	3490 - 3643	153	15
17	12 1/4	YT-3	3643 -3870	227	18
18	8 3/4	YT1A	3870 -3944	74	18
19	8 3/4	YS1	3944 -4019	75	22 1/4
20	6 1/8	DIAMOND	4019 -4069	50	15 1/4
21	8 3/4	Y-8	4019 -4070	51	13 1/4

BIT RECORD

No.	Size	Type	From	-	To	Footage	Hrs. on Bottom
22	6 1/8	Diamond	4070	-	4120	50	-
23	8 3/4	YH	4070	-	4143	73	17 3/4
24	8 3/4	YSI	4143	-	4196	53	21 1/2
25	8 3/4	YSI	4196	-	4260	64	22 1/4
26	8 3/4	YSI	4260	-	4343	83	22 1/4
27	8 3/4	YM	4343	-	4433	90	23 1/2
28	8 3/4	YM	4433	-	4526	93	22 1/2
29	8 3/4	YM	4526	-	4554	28	6
29A	12 1/2	VT-3	RR. Clean out 12 1/4 hole				
29B	8 3/4	YM	RR. Clean out to test				
29C	8 3/4	YM	4554	-	4559	5' Clean out to core	
30	6 1/4	Diamond	4559	-	4605	46'	11 1/2
31	8 3/4	YH	4559	-	4649	Reamed 46' Drilled 44'	
32	8 3/4	YM	4649	-	4699	50	19 1/2
33	8 3/4	YH	4699	-	4799	100	25
34	8 3/4	YM	4799	-	4862	63	14 1/2
35	8 3/4	YH	4862	-	4950	88	22 1/2

E V1 - DEVIATION SURVEY REPORT

DEVIATION SURVEY RECORD

Depth	Degrees Off	Depth	Degrees Off
70	1/8	1490	1
109	1/8	1593	7/8
220	1/8	1634	7/8
280	1/8	1725	7/8
370	1/2	1670	7/8
653	1/2	1980	7/8
790	1/2	2080	1
882	1/2	2195	1
1000	1/4	2295	3/4
1155	1/4	2397	3/4
1255	10	2499	1
1390	3/4	2628	7/8
		2746	1
		2890	1 1/4
		3040	1 1/4
		3185	3/4
		3405	7/8
		3580	7/8
		3760	3/4
		3869	1
		4260	1 1/2
		4525	1 1/2
		4699	2 1/4

E V11 - DRILLING MUD AND ADDITIVES

DRILLING MUD AND ADDITIVES (State whether pounds, gallons, barrels, etc.)

Type	Amounts (Pounds)
Milgel	336,000
Ligco	1,650
Caustic Soda	2,500
Driscose	4,400
Sodium Bicarb.	800
Milfiber	3,600
Barium Carb.	5,000
Lime	200
Calcium Chloride	1,600
Rayflo	2,950
SAPP	200
Super-Col	47,800

E V111 - DAILY PROGRESS REPORT

DAILY PROGRESS REPORT

Date	Details
December 29, 1960	Drilling. Depth 60 ft. Made 60, on bottom 1 hr. Bit No. 1, Size 12 1/4, Descrip. 1/T3, Accum. 1 hr. Mud: Wt. 8.8, Visc. 31, Mud Added - 10 fibre tex. Remarks: Spudded in 7:00 am, 29 Dec. /60.
December 30, 1960	Drilling. Depth 522 ft. Made 462, on bottom 20 1/4 hrs. Survey @ 70 ft. 1/8°, @ 109 ft. 1/8°, 220' - 1/8° - 280' - 1/8° - 370' - 1/2°. Bit No. 1, Size 12 1/4, Descrip. YT-3. Accum. 21 1/4 hrs. Mud: Wt. 9.9, Visc. 60, W.L. 9.0, F.C. 2/32, pH 8.5. Mud Added - Aquagel - 1500#, Lime - 50#.
December 31, 1960	Drilling. Depth 793 ft. Made 271, on bottom 18 1/2 hrs. Survey @ 653 ft. 1/2°, @ 790 ft. 1/2°. Bit No. 1 - Size 12 1/4 - Descrip. YT3 " " 2 - " 12 1/4 - " YT3 " " 3 - " 12 1/4 - " YT3, Accum. 23 1/2 hrs. and 17 1/4 hrs. and Nil. Mud: Wt. 10.4, Visc. 56, W.L. 9.4, F.C.---pH-8.5. Mud Added: Gel 1300#, Lime 75#.
January 1, 1961	Picking up reamer. Depth 1000 ft. Made 207, on bottom 15 1/2 hrs. Survey @ 790 ft. 1/2°, @ 882 ft. 1/2°, 1000 ' - 1/4°. Bit No. 3, Size 12 1/4, Descrip. YT-3, Accum. 15 1/2 hrs. Mud: Wt. 10.4, Visc. 70, WL 6.8, pH 8.5. Mud Added: Gel 2000#.
January 2, 1961	Reaming 12 1/4 to 17 1/2, 680' reamed. Depth - 1000 ft. On bottom 20 1/4 hrs. Ream Bit No: 1A, Size 17 1/2, - Descrip. Reed Pilot, - 2A, " 17 1/2, - " Reed Pilot, - Accum. 15 1/2 hrs. and 4 3/4 hrs. Mud: Wt. 11, Visc. 58, W.L. 7.2, pH 8.5.
January 3, 1961	Reaming 12 1/4 to 17 1/2, Depth 826 ft. Made 146, on bottom 17 1/4 hrs. Bit No. 2A, Size-17 1/2, - Descrip. Reed Pilot" " 3A, 17 1/2, - Descrip. Reed Pilot, Accum. 9 3/4 & 12 1/4. Mud: Wt. 10.8, Visc. 56, W.L. 7.4, F.C. 2/32, pH 8.0. Mud Added - Gel. 1900#.
January 4, 1961	Running 13 3/8 csg. Depth 894, ft. Made 68. On bottom 12 1/4 hrs. Bit No. 3A, Size 17 1/2, Descrip. Reed Pilot, Accum. 24 1/2 hrs. Mud: Wt. 10.8, Visc. 75, W.L. 7.6, F.C. 2/32, pH 8.0.

DAILY PROGRESS REPORT

DATE	Details
January 5, 1961	Cut csg. and weld on casing bowls. Depth 1000' Remarks: Ran 28 jts. new 13 3/8", 54.5#, J-55 LT & C, Rge. 2, 8rd, thd. Mannesman csg.. Total pipe plus float and shoe 898.58. Shoe landed at 895 K.B.. Cemented at 775 sks. and 2% $CaCl_2$. Good cement returns. Plug bumped with 1000 psi. Bled off to 9. Float not holding. Pressured back to 1000 psi for 15 mins. ok. Bled off 450 psi and closed in. W.O.C. K.B. to ground 13.65.
January 6, 1961	Nipple up. Depth 1000 ft.
January 7, 1961	Drilling out plugs. Depth 1000 ft. Bit No. 4, Size 12 1/4, Descrip. YT-3. Remarks: Plug at 857.
January 8, 1961	Drilling. Depth 1246 ft. Made 246. On bottom 9 1/4 hrs. Survey @ 1155 ft. 1/4°. Bit No. 4, Size 12 1/4, Descrip. YT-3, Accum. 9 1/4 hrs. Mud: Wt. 9.1, Visc. 38, W.L. 5.4 F.C. 2/32, pH 9.0. Mud Added: Gel 3500#, Bi Carb. 700#, Rayflo 50#.
January 9, 1961	Drilling. Depth 1635 ft. Made 389, On bot. 15 hrs. Survey @ 1255 ft. 1°, @ 1390 ft. 3/4°. 1490 ' - 1° - 1593' - 7/8°. Bit No. 4 and 5, Size 12 1/4 & 12 1/4, Descrip. YT-3 and YT-3. Accum. 24 1/2 hrs. and 7 hrs. Mud: Wt. 9.2, Visc. 42, W.L. 6.8, F.C. 2/32, pH 9.0. Mud Added: Gel 1500#, Supercol 1000#, Driscose 100#, Caustic 50#.
January 10, 1961	Drilling. Depth 1835 ft. Made 200. On Bottom 16 1/2 hrs. Survey @ 1634 ft. 7/8°, @ 1725 ft. 7/8°. Bit No. 5 & 6, Size 12 1/4 & 12 1/4, Descrip. YT-3 and YT-1, Accum. 14 3/4 hrs. and 8 3/4 hrs. Mud: Wt. 9.4, Visc. 46, W.L. 6.0, F.C. 2/32, pH 9.0. Driscose 50#, Caustic 125°, Gel 1200#, Rayflo 150#, Ligco, 50#.
January 11, 1961	Drilling. Depth 2060 ft. Made 225, on bottom 16 1/2 hrs. Survey @ 1670 ft. 7/8°, @ 1980 ft. 7/8°. Bit No. 6 & 7, Size 12 1/4 & 12 1/4. Descrip. YT-1 and YT-3, Accum. 12 3/4 hrs. and 7 1/2 hrs. Mud: Wt. 1.2, Visc. 75, W.L. 4, F.C. 2/32, pH 9. Mud Added-Driscose 150 Gel. 4200 Caustic 175, Rayflo 300, Ligco 150#.

DAILY PROGRESS REPORT

Date	Details
January 12, 1961	Drilling. Depth 2247 ft. Made 187, on bottom 18 3/4 hrs. Survey @ 2080 ft. 1°, @ 2195 ft. 1°. Bit No. 7 & 8, Size 12 1/4 & 12 1/4, Descrip. YT-3 & YT-3, Accum. 14 1/4 hrs. and 17 hrs. Mud: Wt. 10.0, Visc. 64, W.L. 4.2, F.C. 2/32, pH 9.5, Mud Added: Rayflo 50, Supercol 1500.
January 13, 1961	Drilling. Depth 2540 ft. Made 293, on bottom 19 1/2 hrs. Survey @ 2295 ft 3/4°, @ 2397 ft. 3/4°, @ 2499 ft. 1°. Bit No. 8 & 9, Size 12 1/4 & 12 1/4, Descrip. YT-3 & YT-3, Accum. 21 3/4 hrs. & 14 3/4 hrs. Mud: Wt. 10.0, Visc. 71, W.L. 4.2, F.C. 2/32, pH 9.5. Mud Added Rayflo 50, Gel 2500, Caustic 25.
January 14, 1961	Drilling. Depth 2595 ft. Made 155, on bottom 17 3/4 hrs. Survey @ 2628 ft. 7/8°. Bit No. 9 & 10, Size 12 1/4 & 12 1/4, Descrip. YT-3 & YT-3, Accum. 24 3/4 hrs. & 8 3/4 hrs. Mud: Wt. 10.4, Visc. 58, W.L. 4.2, F.C. 2/32, pH 9.5.
January 15, 1961	Waiting to test, Depth 2779 ft. Made 84, on bottom 12 1/4 hrs. Bit No. 10 & 11, Size - 12 1/4 & 8 3/4, Descrip. YT-3 & YT-3, Accum. 9 1/4 hrs. and 11 1/2 hrs. Mud: Wt. 10.4, Visc. 63, W.L. 4.0, F.C. 2/32, pH 9.0.
January 16, 1961	Drilling. Depth 2783 ft. Made 4, On bottom 3/4 hrs. Survey @ 2746 ft. 1°. Bit No. 12 & 12, Size 12 1/4 & 12 1/4, Descrip YT-1 and YT-1, Accum. 3/4 hrs. and 13 hrs. Remarks: D.S.T. #1 Run.
January 17, 1961	Drilling. Depth 2920 ft. Made 137, on bottom 18 hrs. Survey @ 2890 ft. 1 1/4°. Bit Nos. 12 & 13, Sizes 12 1/4 and 12 1/4, Descrip. YT-1 & YT-3. Accum 14 3/4 hrs. and 17 1/4 hrs. Mud: Wt. 10.4, Visc. 66, W.L. 4.2, F.C. 2/32, pH 8.5, Mud Added: Caustic 25#, Supercol 600# Driscose 50#, Ligco 50#.
January 18, 1961	Drilling. Depth 3105 ft. Made 185. On Bottom 19 1/2 hrs. Survey @ 2040 ft. 1/4°. Bit Nos. 13 & 14, Size 12 1/4 & 12 1/4, Descrip YT-3, & YT-3, Accum. 17 1/4 hrs. and 17 1/2 hrs. Mud: Wt. 10.4, Visc. 68, W.L. 4.8, F.C.2/32, pH 9.0. Mud Added 1500# Supercol, Caustic, 25#, 50# Driscose, Ligco 50#. Remarks: Clean 15' to bottom. Clean settling tanks.

DAILY PROGRESS REPORT

Date	Details
January 19, 1961	Drilling. Depth 3314 ft. Made 209, on Bottom 20 1/4 hrs. Survey @ 3040 ft.1 1/4°, @ 3185 ft. 3/4°. Bit No. 14 & 15, Size 12 1/4 & 12 1/4, Descrip. YT-3 & YT-3, Accum. 25 1/4 hrs. and 12 1/2 hrs. Mud: Wt. 10.9, Visc. 68, W.L. 4.2, pH 8.5, Mud Added - Supercol 800#, Caustic 50#, Ligco 150#, Driscose 175#.
January 20, 1961	Drilling. Depth 3551 ft. Made 237, On Bottom 18 1/2 hrs. Survey @ 3405' 7/8°. Bit No. 15 & 16, Size 12 1/4 & 12 1/4, Descrip. YT-3 & YT-3, Accum. 22 hrs. and 8 3/4 hrs. Mud: Wt. 11.0, Visc. 83, W.L. 4.6, F.C. 2/32, pH 8.5, Mud Added: Supercol 1400, Driscose 400, Caustic 50, Ligco 100.
January 21, 1961	Drilling. Depth 3795 ft. Made 244, On Bottom 17 3/4 hrs. Survey @ 3580 ft. 7/8°, @ 3760'-3/4°, 3643 ft. 1/4°. Bit Nos. 16 & 17, Size 12 1/4 & 12 1/4, Descrip. YT-3 and YT-3. Accum. 15 hrs. and 11 1/2 hrs. Mud: Wt. 11.1, Visc. 82, W.L. 4.2, F.C. 2/32, pH 8.5, Driscose 200 - Rayflo 150, Ligco 100, Caustic - 150, Supercol 700.
January 22, 1961	Circ. Wait on logging truck. Depth 3850 ft. Made 55, on bottom 4 1/2 hrs. Bit No. 17, Size 12 1/4, Descrip. YT-3, Accum. 16 hrs., Mud: Wt. 11.1, Visc. 82, W.L. 4.2, F.C.2/32, pH 8.5, Mud Added: Supercol 2000, Driscose, 300, Caustic 125.
January 23, 1961	Circ. W.O. Schlumberger. Depth 3870 ft. Made 20, On Bottom 2 hrs. Bit No. 17, Size 12 1/4, Descrip. YT-3, Accum. 18 hrs. Mud: Wt. 11.1, Visc. 7.4, W.L. 4.2, F.C. 2/32, pH 8.5, Mud Added: Driscose 100, Caustic 25, Rayflo 100.
January 24, 1961	Circulating. Depth 3870 ft. Survey @ 3869' 1°. Bit No. 18, Size 8 3/4, Descrip. YTIA. Mud: Wt. 11.2, Visc. 8.5, WL. 4.4, F.C. 2/32 pH 8.5. Remarks: 1st dense - 1635', 2nd dense 2635'. Top half shaled out, sample top caked on a limestone stringer @ 2565'.
January 25, 1961	Drilling. Depth 3940 ft. Made 72, On Bottom 17 3/4 hrs. Bit No. 18, Size 8 3/4, Descrip. YTIA, Accum. 17 3/4 hrs. Mud: Wt. 11.1, Visc. 120, W.L. 4.5, F.C. 2/32, pH 8.5, Mud Added: Supercol 4300, Rayflo 175, Driscose 250, Fibertex 7 sax, Caustic 130.

DAILY PROGRESS REPORT

Date	Details
January 26, 1961	Drilling. Depth 4010 ft. Made 70, on bottom 15 1/4 hrs. Bit No. 18 & 19, Size 8 3/4 & 8 3/4, Descrip. YTIA & YSI, Accum. 18 hrs. & 17 hrs. Mud: Wt. 11.1, Visc. 74, W.L. 5.7 F.C. 2/32, pH 8.5. Mud Added - Driscose 125 Caustic 100, Supercol 400, Rayflo 75, Bi-Carb. 15 sks. Ligco 50.
January 27, 1961	Coring. Depth 4052 ft. Made 42, on bottom 16 hrs. Bit No. 19, Size 8 3/4, Descrip. YSI, Accum. 22 1/4 hrs. and Core #1, 6 1/8", Diamond. Mud: Wt. 11.0, Visc. 140, WL 5.0, F.C. 2/32, pH 8.5. Mud Added: Barium Carbonate 15 sks. Driscose 25#, Supercol 350#.
January 28, 1961	Reaming to 8 3/4. Depth 4069 ft. Made 14, on bottom 4 1/2 hrs. Bit No. 20 & 21, Size 6 1/8 & 8 3/4, Descrip. Diamond & Y-8. Accum. 15 1/4 hrs. & 11 3/4 hrs. Mud: Wt. 10.9, Visc. 104, W.L. 4.0, F.C. 2/32, pH 9.0. Mud Added - Supercol 1200, Caustic 150, Ligco-150, Barium Carbonate 100, Driscose 100. Remarks: Cored 17', Reamed 45', Core #1, 4019 - 4069 Rec.50', 4019-4069. Dense Arg. limestone.
January 29, 1961	Core #2 Placing. Depth 4120 ft. Made 51, on bottom 15 1/2 hrs. Bit No. 21, Size 8 3/4, Descrip. Y-8, Accum 13 1/4 hrs. Mud: Wt. 11. Visc. 130, W.L. 4.0, F.C. 2/32, pH 9.0. Mud Added: Driscose 50#. Remarks: Ream 5, Drill 1, Core 50, Core #2, 4070-4120, 50' full rec.
January 30, 1961	Tripping. Depth 4143 ft. Made 23, on bottom 5 3/4 hrs. Bit No. 23, Size 8 3/4, Descrip. YH, Accum. 17 3/4 hrs. Mud: Wt. 10.9, Visc. 140, W.L. 4.0, F.C. 2/32, pH 9.5. Mud Added: Supercol 1100, Driscose 150, Caustic 150, Ligco 100. Remarks: Core #2, 4070-4120. Full Rec. 50'.
January 31, 1961	Drilling. Depth 4182 ft. Made 39, on bottom 15 1/2 hrs. Bit No. 24, Size 8 3/4, Descrip. YSI, Accum 15 1/2 hrs. Mud: Wt. 10.8, Visc. 100, W.L. 4.4, F.C. 2/32, pH 9.5. Mud Added: Caustic 50, Driscose 100, Supercol 1100, Ligco 50. Remarks:Clean 40' to bottom.
February 1, 1961	Drilling. Depth 4234 ft. Made 52, on bottom 19 1/4 hrs. Bit No. 24 & 25, Size 8 3/4 & 8 3/4, Descrip. YSI & YSI. Accum. 21 1/2 hrs. & 13 1/4 hrs. Mud: Wt. 10.8, Visc. 110, W.L. 4.8, F.C. 2/32, pH 10.5. Mud Added: Supercol 1000#, Caustic 50#, Ligco 50#, Driscose 250# Bar. Carbonate 10 sks. Remarks: Drill ahead.

DAILY PROGRESS REPORT

Date	Details
February 2, 1961	Drilling. Depth 4292 ft. Made 58, on bottom 17 hrs. Survey @ 4260 ft. 1 1/2°. Bit Nos. 25 & 26, Size 8 3/4 & 8 3/4, Descrip. YSI & YSI, Accum. 22 1/4 hrs. & 8 hrs. Mud: Wt. 10.7. Visc. 105. W.L. 4.8, F.C. 2/32, pH 10.0. Mud Added: Supercol 900#, Driscose 150#, Rayflow 50#. Remarks: Drilling ahead 8 3/4" hole.
February 3, 1961	Drilling. Depth 4364 ft. Made 72, on bottom 19 hrs. Bit No. 25 & 26, Size 8 3/4 & 8 3/4 Descrip. YSI & YM. Accum. 22 1/4 hrs. & 4 3/4 hrs. Mud: Wt. 10.8, Visc. 105, W.L. 4.4, F.C. 2/32, pH 9.5. Mud Added: Supercol 400# Rayflow 100#. Remarks: Drill 8 3/4 hole.
February 4, 1961	Repair Clutch. Depth 1433 ft. Made 69, on bottom 18 3/4 hrs. Bit No. 27, Size 8 3/4, Descrip. KM. Accum. 23 1/2 hrs. Mud: Wt. 10.8, Visc. 120, W.L. 4.8, F.C. 2/32, pH 9.0. Mud Added: Driscose 200#, Supercol 500# Caustic 30#, Rayflow 100#. Remarks: W/repairs for how clutch.
February 5, 1961	Drilling. Depth 4491 ft. Made 58, on bottom 13 1/4 hrs. Bit No. 28, Size 8 3/4, Descrip YM. Accum 13 1/4 hrs. Mud: Wt. 10.8 Visc. 115, W.L. 4.8, F.C. 2/32, pH 9.0. Mud Added: Supercol 400# Ligco 100# Caustic 50#, Driscose 100#. Remarks: Changed heads and liners in pump, 6 1/2 to 6". Drill ahead.
February 6, 1961	Testing. Depth 4526 ft. Made 35, on bottom 9 1/4 hrs. Survey @ 4525 ft. 1 1/2°. Bit No. 28, Size 8 3/4, Descrip. YM, Accum. 22 1/2 hrs. Mud: Wt. 10.8, Visc. 125, WL.L 4.9, F.C. 2/32, pH 9.0. Mud Added: Supercol 600#, Driscose 50# Ligco 100#, Rayflow 50#. Remarks: Run D.S.T. #2, 4446 - 4526. Recovered 2360 Salt Water.
February 7, 1961	Circulating. Depth 4554 ft. Made 28, on bottom 6 hrs. Bit No. 29, Size 8 3/4, Descrip. YM, Accum. 6 hrs. Mud: Wt. 10.8, Visc. 150, W.L. 4.8, F.C. 2/32, pH 9.0. Mud Added - Supercol 1300#, Driscose 150#, Caustic 50#, Ligco 100#, Febertex 22 sks. Remarks: Lost circulation 4553, 40 bbls. Mud lost, regained w/22 sks. Fibertex.
February 8, 1961	W/on Logging tools. Mud: Wt. 10.8, Visc. 140 W.L. 4.5, F.C. 2/32, pH 9.0. Remarks: Wait on Schlumbergoy tools.

DAILY PROGRESS REPORT

Date	Details
February 9, 1961	Tripping. Depth 4554 ft. Bit Nos. 29A & 29B, Size 11 1/4 & 8 3/4, Descrip. YT-3, Clean hole to 2750 & YMRR. Clean out to 4554. Mud: Wt. 10.7, Visc. 150, W.L. 4.6, F.C. 2/32, pH 9.0. Mud Added: Supercol 300# Caustic 50. Ligco 100#. Remarks: Condition hole and mud for D.S.T. #3.
February 10, 1961	Run D.S.T. #3. Mud: Wt. 10.7, Visc. 95, W.L. 5.0, F.C. 2/32, pH 9.0. Mud Added: Driscose 200# Supercol 1300#, Caustic 100#, Ligco 50# Rayflow 100#. Remarks: D.S.T. #3, 2666 - 2696 Straddle received 30' drilling mud.
February 11, 1961	Coring. Depth, 4575 ft. Made 21, on bottom 5 1/4 hrs. Bit No. 29C, Size 8 3/4, Descrip. YMRR. Accum. 1 1/2 hrs. Bit No. 30, 6 1/8, Diamond, Accum. 3 3/4 hrs. Mud: Wt. 10.2, Visc. 120, WL 4.6, F.C. 2/32, pH 9.5. Mud Added: Supercol 1450 Driscose 200, Rayflow, 100#. Remarks: Cat core #3.
February 12, 1961	Drilling. Depth 4608 ft. Made 33, on bottom 16 3/4 hrs. Bit No. 30, Size 6 1/8 Diamond, Accum. 11 1/2 hrs. Bit No. 31, 8 3/4 YH. Accum. 1 1/4 hrs. Mud: Wt. 10.4, Visc. 120, W.L. 4.5, F.C. 2/32, pH 9.5 Mud Added: Supercol 750#, Caustic 100#, Rayflow 100#, Driscose 150#. Remarks: Cored 30', Reamed 46', drilled 3 ft. Drill ahead 8 3/4 hole.
February 13, 1961.	Drilling. Depth 4670 ft. Made 62, on bottom 18 3/4 hrs. Bit No. 31, Size 8 3/4, Descrip. YH, Accum. 12 3/4 hrs. Bit No. 32, 8 3/4, YM, Accum. 7 1/4 hrs. Mud: Wt. 10.5, Visc. 125, W.L. 4.8, F.C. 2/32, pH 9.5 Mud Added: Supercol 2900, Driscose 200, Caustic 50#. Ligco 100#. Remarks: Drill ahead 8 3/4 hole.
February 14, 1961	Drilling. Survey @ 4699 ft. 2 1/4°. Bit Nos. 32 and 33, Size 8 3/4 & 8 3/4, Descrip. YM & YH, Accum. 19 1/2 hrs. & 6 1/2 hrs. Mud: Wt. 10.5, Visc. 135, W.L. 4.3, F.C. 2/32, pH 9.5 Mud Added - Supercol 1500 Driscose100, Caustic 100#, Ligco 100. Remarks: Drill ahead 8 3/4 hole.
February 15, 1961	Drilling. Depth 4803 ft. Made 86, on bottom 19 1/2 hrs. Bit No. 33, Size 8 3/4, Descrip. YH, Accum. 25 hrs. Mud: Wt. 10.4, Visc. 125, W.L. 4.6, F.C. 2/32, pH 9.0. Mud Added: Caustic 100, Rayflo 100, Driscose 50. Remarks: Drill ahead 8 3/4 hole.

DAILY PROGRESS REPORT

Date	Details
February 16, 1961	D.S.T. #4, 4862 ft. Made 59, on bottom 13 1/2 hrs. Bit No. 34, Size 8 3/4, Descrip. YM, Accum. 14 1/2 hrs. Mud: Wt. 10.5, Visc. 120, W.L. 4.7, F.C. 2/32, pH 9.0. Mud Added: Run D.S.T.#4 4735 - 4862 ft. Remarks: Rec. 4050' Mudy Salt Water.
February 17, 1961	Drilling. Depth 4912 ft. Made 50, on bottom 12 3/4 hrs. Bit No. 35, Size 8 3/4, Descrip. YH, Accum. 12 3/4 hrs. Mud: Wt. 10.3, Visc. 120, W.L. 4.7, F.C. 2/32, pH 9.25. Mud Added: Supercol 2500#, Driscose, 200#, Rayflo 200#, Caustic 125#, Ligco 150#. Remarks: Drill ahead 8 3/4 hole.
February 18, 1961	Run in to abandon. Depth 4950 T.D. ft. Made 38, on bottom 9 1/2 hrs. Bit No. 35, Size 8 3/4, Descrip. YH, Accum. 22 1/2 hrs. Mud: Wt. 10.3, Visc. 120, W.L. 4.6, F.C. 2/32, pH 9.5. Mud Added: Supercol 400#, Driscose 150#, Caustic 50#, Rayflow 100#, Remarks: Ran E. Log, Micro-Caliper Log. Gammaray Neutron. To run abandonment plugs.
February 19, 1961	Depth 4950 T.D. Remarks: Plug #1, 4950 - 4700, 125 sks. in place, 12 pm. Feb. 18/61. Plug #2, 4550-4300 - 130 sks. in place - 12:45 pm, Feb. 18/61. Felt plug @ 4280 ft. Plug #3, 960 - 860 - 95 sks. in place. 9:45 pm. Feb. 18, 1961. Felt plug @ 8:45 ft.
February 20, 1961	Tearing out. Depth T.D. 4950 ft. Remarks: Cut off casing and place 10sk. plug in top. Weld on steel plate w/3 ft. rizer marked Celibeta #5.

E 1X - ABANDONMENT PLUGS

NIL

JOHNSTON TESTERS LTD.

321 - 50th AVENUE S.E., CALGARY, ALBERTA

PHONE AL 5-1151

SERVICE REPORT

Pressure Recorder: No. A-139 Cap. 7000# Location Outside 4521'

PRESSURE DATA		Point	Pressure	Point	Pressure
A Initial Hyd.	2571#				
B Initial Shut-In	1746#				
C Initial Flow	719#				
D Final Flow	1581#				
E Final Shut-In	1736#				
F Final Hyd.	2526#				

Remarks:

SECONDARY RECORDER

Pressure Recorder: No. T-15 Cap. 7000# Location Inside 4430'

PRESSURE DATA		Point	Pressure	Point	Pressure
A Initial Hyd.	2529#				
B Initial Shut-In	1742#				
C Initial Flow	656#				
D Final Flow	1573#				
E Final Shut-In	1736#				
F Final Hyd.	2485#				

Remarks:

PRIMARY RECORDER

JOHNSTON TESTERS LTD.

321 - 30th Avenue S.E. Calgary, Alberta

Phone AL. 5-1151

COMPANY Home Oil Company Limited TICKET # D-2863

FIELD Wildcat P O # S 11802

WELL NAME Home Signal C.S.P. Celibeta #5

COMPANY REP L. Stafford JOHNSTON OP K. Burns.

GENERAL TEST DATA

TYPE TEST	Open hole		BOTTOM HOLE TEMP	115 °F (est.)	
TOTAL DEPTH	4526'		CHOKE SIZE	1/2"	
INTERVAL TESTED	4445' 4526'		FLUID CUSHION TYPE	AMT	
TIME STARTED IN HOLE	7:00	A M P M	AIR CHAMBER SIZE I D	AMT	
TIME TOOL ON BOTTOM		A M P M	WAS TOOL CHASED TO BOTTOM	no	
TIME TOOL OPENED		A M P M	DID PACKERS HOLD	yes	
INITIAL SHUT-IN PERIOD	30 mins.		WAS TOOL PLUGGED	no	
FLOW PERIOD	60 mins.		WAS JARRING NECESSARY	no	
FINAL SHUT-IN PERIOD	60 mins.		WAS TEST REVERSED OUT	no	

REMARKS Tight hole first 6 stands off bottom----- Test satisfactory.

AIR OR GAS BLOW Good initial puff fair blow lasting throughout test.

FLUID RECOVERY. 165 feet of mud cut salt water. 2195 feet of salt water.

SURFACE INFORMATION WHEN CHOKE OR ORIFICE USED

TIME	MAXIMUM PRES	CHOKE SIZE
TIME	MAXIMUM PRES	CHOKE SIZE
TIME	MAXIMUM PRES	CHOKE SIZE
TIME	MAXIMUM PRES	CHOKE SIZE
TIME	MAXIMUM PRES	CHOKE SIZE

OTHER TEST DATA

MAIN HOLE SIZE 8 3/4" RAT HOLE SIZE DRILL PIPE SIZE 4 1/2 F.H

TYPE MUD Gel WEIGHT 10.9 VISCOSITY 125 WATER LOSS 4.9 FILTER CAKE 2/32

TYPE PACKER'S 2 B.T. SIZE 7 1/4" TYPE SIZE

RECORDERS:

TOP NO.	T-15	CAPACITY 7000#	INSIDE ☒	OUTSIDE ☐	DEPTH	4430'
BOTTOM	A-139	CAPACITY 7000#	INSIDE ☐	OUTSIDE ☒	DEPTH	4521'
EXTRA		CAPACITY	INSIDE ☐	OUTSIDE ☐	DEPTH	

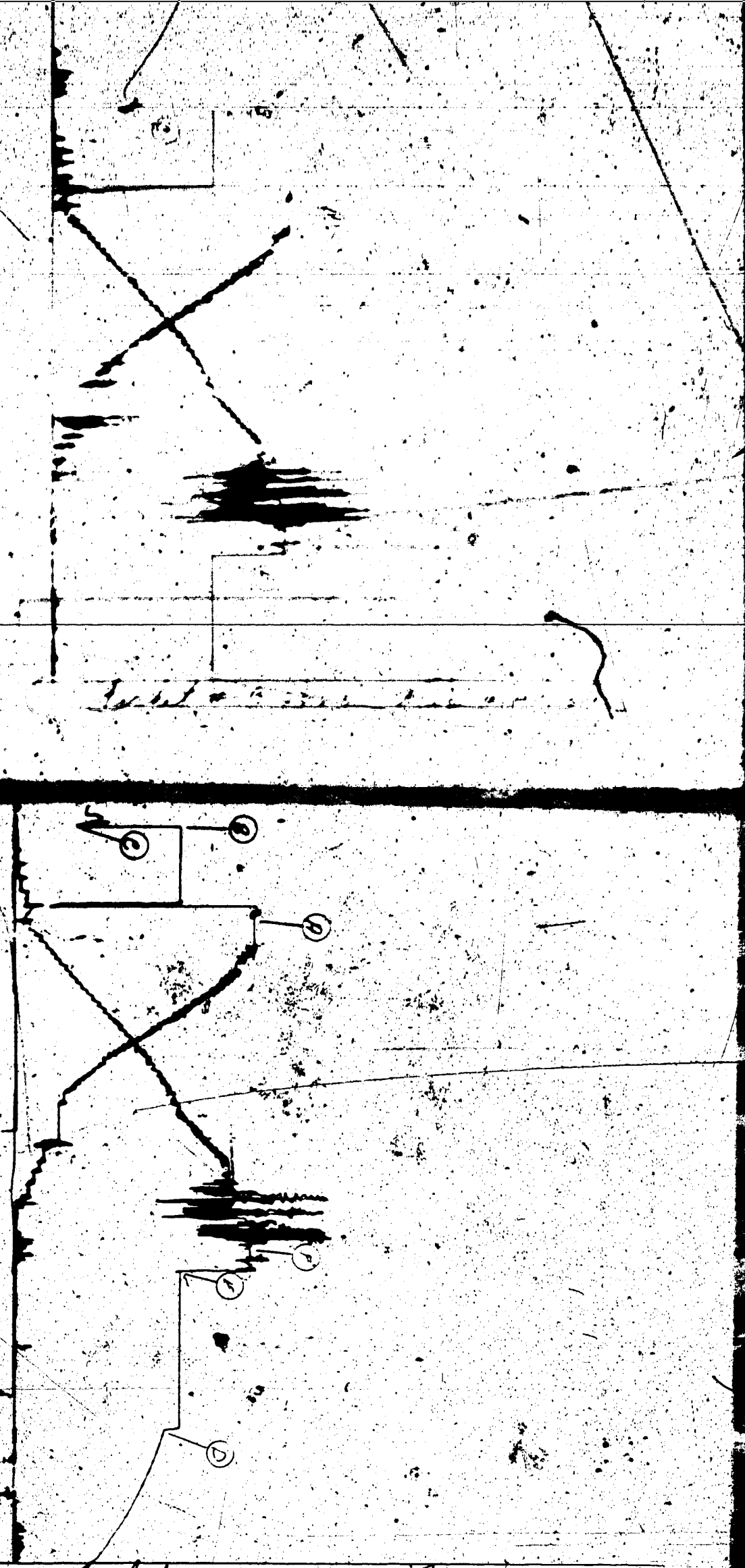
NO. SERVICE REPORTS 7 - Home Oil Company Limited Calgary
1 - Data Center Calgary

HOME OIL COMPANY LIMITED — COMPANY

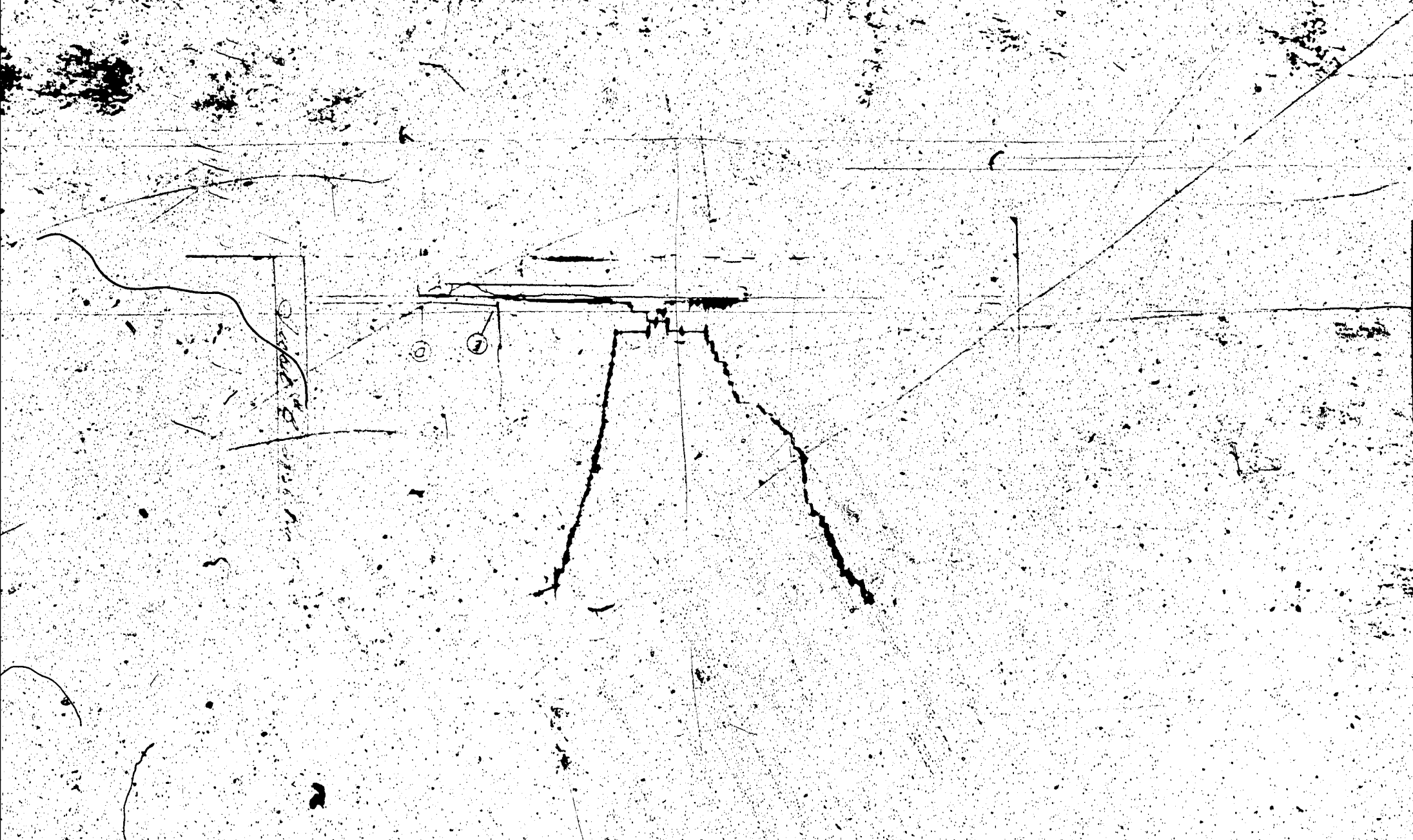
HOME SIGNAL C.S.P. CELIBETA #5 — WELL NAME AND NUMBER

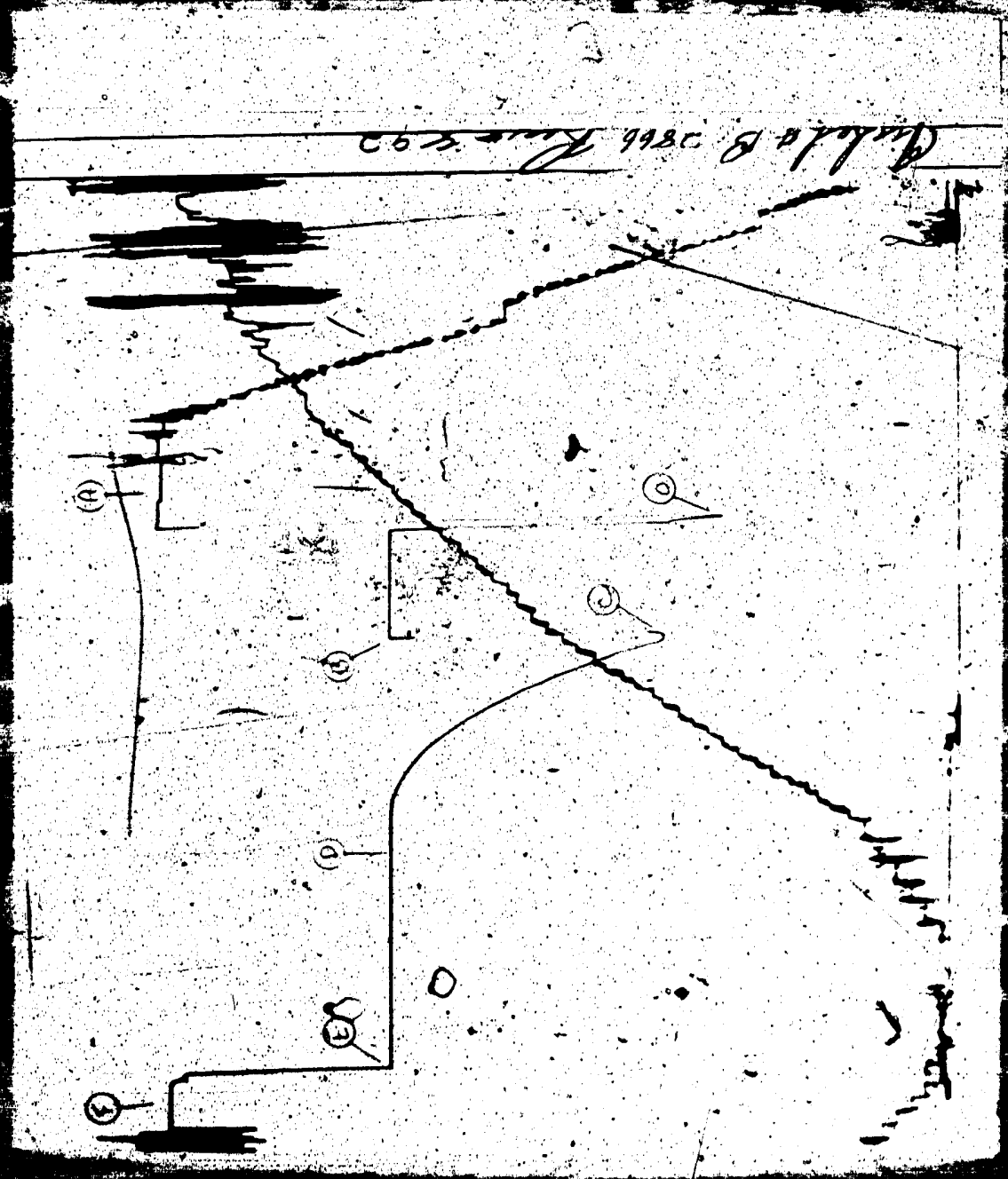
60° 05 mins. 21 sec. N 122° 11 Mins. 00 sec. W — TEST NO. 2

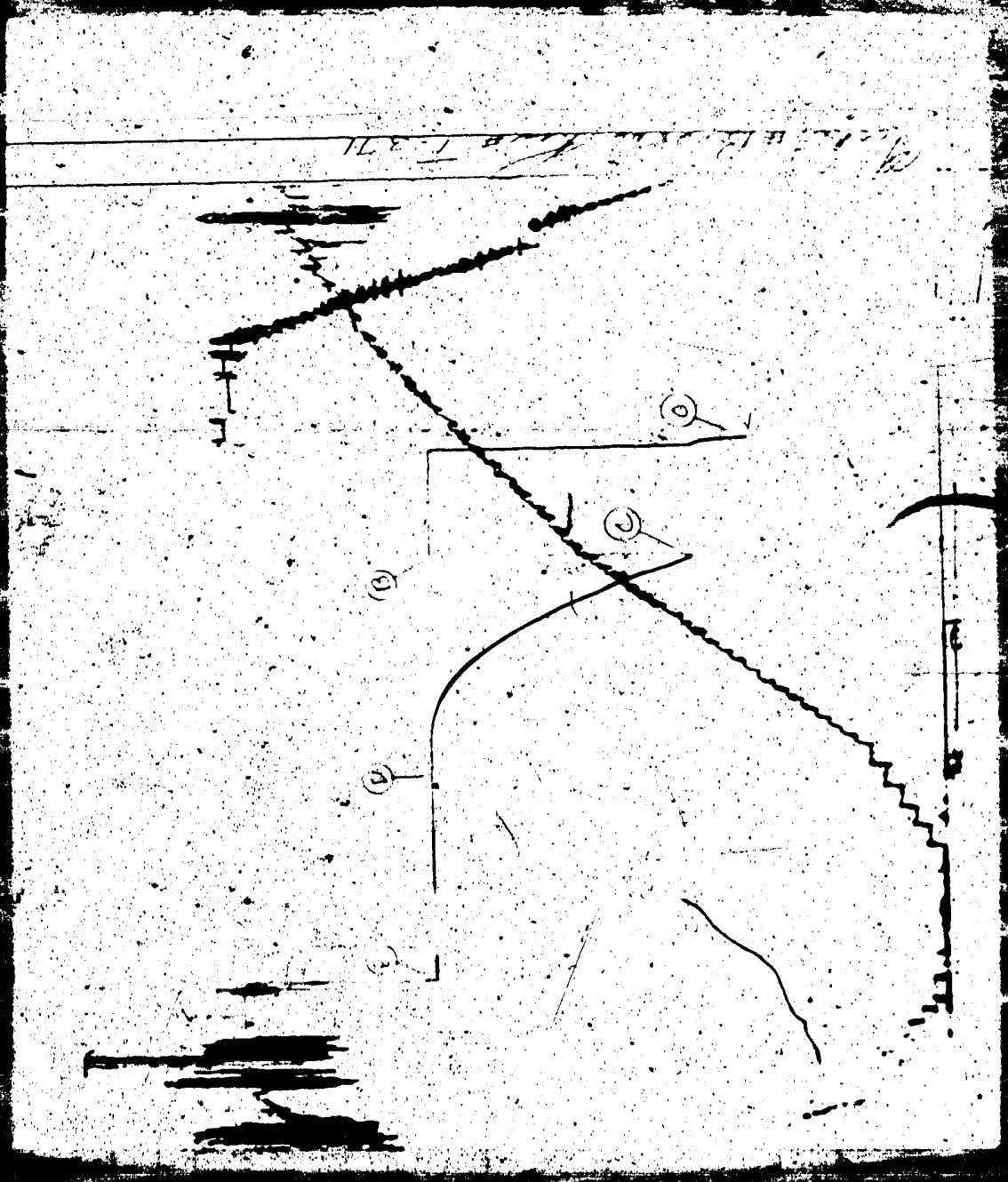
FEB. 6 1961 — DATE



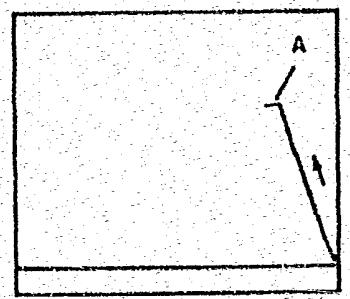
Ticket # B-2863 Run # T-15





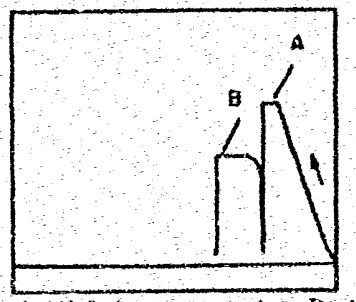


GUIDE TO INTERPRETATION AND IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



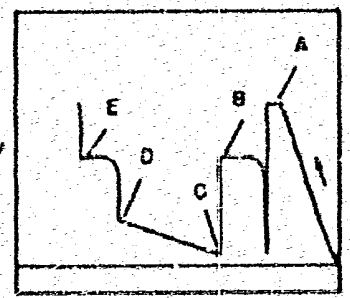
1

The pressure chart records the build-up in hydrostatic pressure as the testing assembly is lowered into the hole. Upon reaching the testing depth the hydrostatic head or pressure of mud column is recorded.



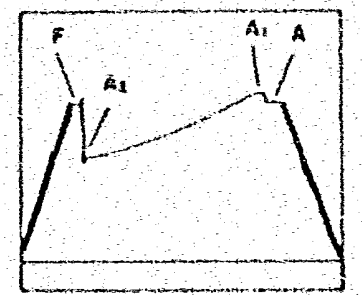
4

The chart indicates a pressure drop. The test tool has been opened to the surface either by breaking a disc, rotating a shut-in tool open or by reopening the main testing valve to permit the formation to produce.



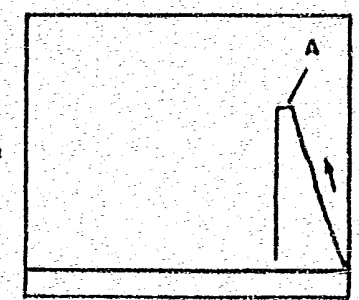
7

The chart shows the separating tool has been opened permitting the drilling fluid to flow through the packer to the test zone. Thus, pressure is equalized above and below the packer. The equalization of the pressure facilitates easier removal of the packer from the packer seat.



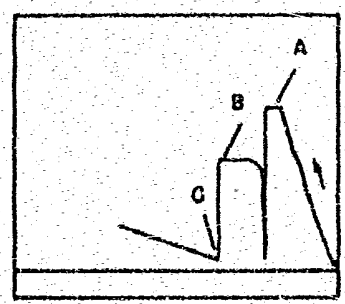
A

The above is a typical illustration of a chart from a recorder that is run below the bottom packer on a straddle test. Only the hydrostatic mud pressures are recorded when the tool is opened, there is a pressure differential across the bottom packer. This differential is lessened by the rubber flow of the packer element, which in turn causes a draw-down in pressure. If the below straddle chart reads the same as a chart that is run to record pressures of the test zone then the bottom packer has failed, if it is open all zones below the top packer are being tested.



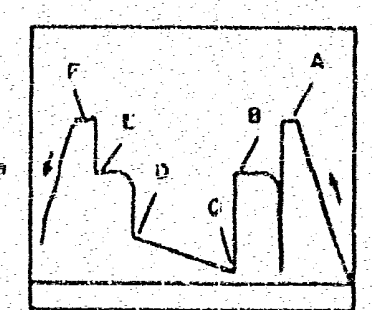
2

The packer is expanded and set to isolate the test zone. When the test valve is opened, a pressure drop is indicated on the pressure chart. This pressure drop is caused by removal of the hydrostatic mud pressure from the formation, allowing the formation to produce.



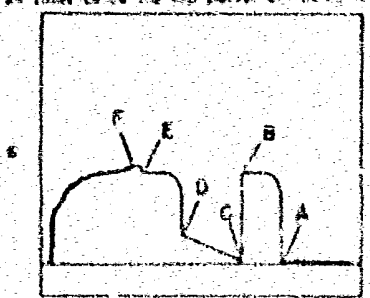
5

The pressure of fluid flowing from the formation into the well bore, through the perforated anchor, and into the drill pipe, is recorded on the chart.



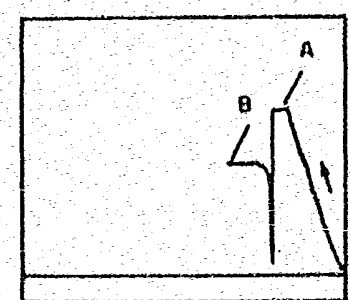
8

The packer has been unseated. The testing assembly is being removed from the hole.



G

In this case a recorder has been run in an air chamber. The hydrostatic mud pressures are not influencing the recorder while going in or coming out of the hole due to the main tester valve being closed. The flow pressures and shut-in pressures are recorded while the main tester valve is opened.

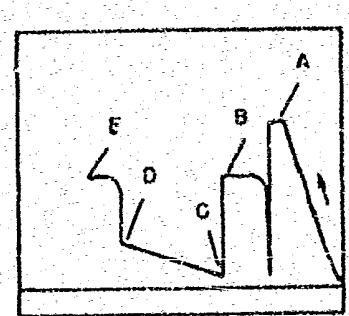


3

This chart shows the initial shut-in pressure. There are three mechanical methods by which this initial shut-in can be taken:

1. A disc valve with air chamber
2. A shut-in tool closed at top of an air chamber.
3. Closing of the main testing valve (no air chamber)

All these methods are carried out by allowing only a minimum of formation fluid to be produced. This initial shut-in pressure is the best method yet devised for recording the original, undisturbed reservoir pressure of a formation.



6

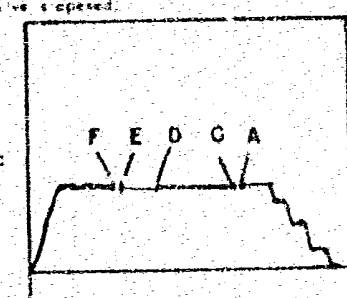
The final shut-in pressure is taken by stopping the flow of formation fluid into the drill pipe. Note the characteristic build-up curve. The well bore pressure is approaching equilibrium with the static reservoir pressure. When the shut-in curve levels-off the static reservoir pressure has been reached.

INDEX OF LABELED POINTS:

- A. Initial Hyd. Mud
- B. Initial shut-in
- C. Initial flow
- D. Final flow
- E. Final shut-in
- F. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings, (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures.
B-1, B-2, B-3, etc. The Initial Shut-in Pressures
C-1, C-2, C-3, etc. Flowing Pressures
D-1, D-2, D-3, etc. The Final Flow Pressures or Final Shut-in Pressures
E-1, E-2, E-3, etc. The Final Shut-in Pressures
F-1, F-2, F-3, etc. Final Hyd. Mud Pressures
Z — Special pressure points such as pumping pressure recorded for formation breakdown.



C

In this case a recorder has been run above the main tester valve with a fluid cushion used in the drill pipe. No pressure is recorded as the testing tool is being lowered into the hole. Then the fluid cushion pressure is recorded as the drill pipe is filled with fluid. At more depths are run into the hole, the recorder registers the hydrostatic pressures of the column. When the main testing valve is opened the pressure of the cushion column or the flowing pressure of the formation (which ever is greater), is recorded.

JOHNSTON TESTERS LTD.

321 - 50th AVENUE S.E., CALGARY, ALBERTA

PHONE AL 5-1151

SERVICE REPORT

Pressure Recorder: No. 608 Cap. 3000# Location Outside 2779'

PRESSURE DATA		Point	Pressure	Point	Pressure
A Initial Hyd.	1595#				
B Initial Shut-In	54#				
C Initial Flow	65#				
D Final Flow	68#				
E Final Shut-In	68#				
F Final Hyd.	1608#				

Remarks:

SECONDARY RECORDER

Pressure Recorder: No. T-127 Cap. 3000# Location Inside 2716'

PRESSURE DATA		Point	Pressure	Point	Pressure
A Initial Hyd.	1558#				
B Initial Shut-In	78#				
C Initial Flow	33#				
D Final Flow	34#				
E Final Shut-In	45#				
F Final Hyd.	1561#				

Remarks:

PRIMARY RECORDER

JOHNSTON TESTERS LTD.

421 - 34th Avenue S.E. Calgary, Alberta

Phone AL 5-1151

COMPANY Home Oil Company Limited TICKET # B-2856

FIELD Wildcat P.O. # S 11028

WELL NAME Home Signal CSP Celibeta #5

COMPANY REP. L.Stafford JOHNSTON OP. K.Burns.

GENERAL TEST DATA

TYPE TEST	Open hole	BOTTOM HOLE TEMP	98 F
TOTAL DEPTH	2779'	CHOKE SIZE	1/2"
INTERVAL TESTED	2714'-2779'	FLUID CUSHION TYPE	AMT
TIME STARTED IN HOLE	9:50 A.M. P.M.	AIR CHAMBER SIZE I.D.	AMT
TIME TOOL ON BOTTOM	A.M. P.M.	WAS TOOL CHASED TO BOTTOM	Yes 11'
TIME TOOL OPENED	A.M. P.M.	DID PACKERS HOLD	yes
INITIAL SHUT-IN PERIOD	30 mins.	WAS TOOL PLUGGED	no
FLOW PERIOD	60 mins.	WAS JARRING NECESSARY	no
FINAL SHUT-IN PERIOD	30 mins.	WAS TEST REVERSED OUT	no

REMARKS Test satisfactory.

AIR OR GAS BLOW Weak initial puff dead immediately.

FLUID RECOVERY. 10 feet of drilling mud.

SURFACE INFORMATION WHEN CHOKE OR ORIFICE USED

TIME	MAXIMUM PRES	CHOKE SIZE
TIME	MAXIMUM PRES	CHOKE SIZE
TIME	MAXIMUM PRES	CHOKE SIZE
TIME	MAXIMUM PRES	CHOKE SIZE
TIME	MAXIMUM PRES	CHOKE SIZE

OTHER TEST DATA

MAIN HOLE SIZE 8 3/4" RAT HOLE SIZE DRILL PIPE SIZE 4 1/2 F.H.

TYPE MUD WEIGHT 10.5 VISCOSITY 63 WATER LOSS 4.0 FILTER CAKE 2/32

TYPE PACKER'S 2 B.T. SIZE 7 1/2" TYPE SIZE

RECORDERS:

TOP NO.	T-127	CAPACITY	3000#	INSIDE ☒	OUTSIDE ☐	DEPTH	2716'
BOTTOM	6-8	CAPACITY	3000#	INSIDE ☐	OUTSIDE ☒	DEPTH	2779'
EXTRA		CAPACITY		INSIDE ☐	OUTSIDE ☐	DEPTH	

NO. SERVICE REPORTS 2 - Home Oil Company Limited Fort Nelson B.C.
12 & charts Home Oil Company Limited Calgary
1 - Data Center Calgary

COMPANY HOME OIL COMPANY LIMITED

WELL NAME AND NUMBER HOME SIGNAL CSP CELIBETA #5

60° 05 min. 21 sec. N 122° 11 min. 00 sec. W

TEST NO. 1

DATE JAN. 15, 1961

JOHNSTON TESTERS LTD.

321 - 50th AVENUE S.E., CALGARY, ALBERTA

PHONE AL 5-1151

SERVICE REPORT

Pressure Recorder: No. 892	Cap. 3000#	Location	Outside 4862'	
PRESSURE DATA		Point	Pressure	Point	Pressure
A Initial Hyd.	2662#				
B Initial Shut-In	1896#				
C Initial Flow O -	750#				
C -	989#				
D Final Flow	1593#				
E Final Shut-In	1894#				
F Final Hyd.	2632#				
Remarks:					

SECONDARY RECORDER

Pressure Recorder: No. T-371	Cap. 3000#	Location	Inside 4740'	
PRESSURE DATA		Point	Pressure	Point	Pressure
A Initial Hyd.	2576#				
B Initial Shut-In	1860#				
C Initial Flow O -	698#				
C -	911#				
C Final Flow	1867#				
E Final Shut-In	1870#				
F Final Hyd.	2576#				
Remarks:					

PRIMARY RECORDER

JOHNSTON TESTERS LTD.

321 - 50th Avenue S.E. Calgary, Alberta

Phone AL 5-1151

COMPANY Home Oil Company Limited TICKET # B-2866

FIELD Wildcat P.O. #

WELL NAME Home Signal C.S.P. Celibeta #5

COMPANY REP. L. Stafford JOHNSTON OP. K. Burns.

GENERAL TEST DATA

TYPE TEST	Open hole		BOTTOM HOLE TEMP	172 °F	
TOTAL DEPTH	4862'		CHOKE SIZE	1/2"	
INTERVAL TESTED	4736'-4862'		FLUID CUSHION TYPE	AMT	
TIME STARTED IN HOLE	5:10	A.M. P.M.	AIR CHAMBER SIZE I.D.	AMT	
TIME TOOL ON BOTTOM		A.M. P.M.	WAS TOOL CHASED TO BOTTOM	no	
TIME TOOL OPENED		A.M. P.M.	DID PACKERS HOLD	yes	
INITIAL SHUT-IN PERIOD	30 mins.		WAS TOOL PLUGGED	no	
FLOW PERIOD	60 mins.		WAS JARRING NECESSARY	no	
FINAL SHUT-IN PERIOD	60 mins.		WAS TEST REVERSED OUT	no	

REMARKS Test satisfactory.

AIR OR GAS BLOW Good initial puff strong blow decreasing to dead at end of test.

FLUID RECOVERY. 4050 feet of muddy salty water.

SURFACE INFORMATION WHEN CHOKE OR ORIFICE USED

TIME	MAXIMUM PRES.	CHOKE SIZE
TIME	MAXIMUM PRES.	CHOKE SIZE
TIME	MAXIMUM PRES.	CHOKE SIZE
TIME	MAXIMUM PRES.	CHOKE SIZE
TIME	MAXIMUM PRES.	CHOKE SIZE

OTHER TEST DATA

MAIN HOLE SIZE 8 3/4" RAT HOLE SIZE DRILL PIPE SIZE 4 1/2 F.H.

TYPE MUD Gel WEIGHT 10.5 VISCOSITY 126 WATER LOSS 4.7 FILTER CAKE 2/32

TYPE PACKER'S B.T SIZE 7 1/4" TYPE SIZE

RECORDERS:

TOP NO.	T-371	CAPACITY	3000#	INSIDE ☒	OUTSIDE ☐	DEPTH	4740'
BOTTOM	892	CAPACITY	3000#	INSIDE ☐	OUTSIDE ☒	DEPTH	4862'
EXTRA		CAPACITY		INSIDE ☐	OUTSIDE ☐	DEPTH	

NO. SERVICE REPORTS 7 - Home Oil Company Limited Calgary
1 - Data Center Calgary

HOME OIL COMPANY LIMITED
COMPANY

HOME SIGNAL C.S.P. CELIBETA #5
WELL NAME AND NUMBER

60° 05 mins. 21 sec. N 122° 11 mins. 00 sec. W
TEST NO. 4

FEB. 16, 1961
DATE

JOHNSTON TESTERS LTD.

421 - 50th Avenue S.E. Calgary, Alberta

Phone AL 5-1151

COMPANY Home Oil Company Limited TICKET # B-2866

FIELD Wildcat P O #

WELL NAME Home Signal C.S.P. Celibeta #5

COMPANY REP. L. Stafford JOHNSTON OP. K. Burns.

GENERAL TEST DATA

TYPE TEST	Open hole		BOTTOM HOLE TEMP	172 F	
TOTAL DEPTH	4862'		CHOKE SIZE	1/2"	
INTERVAL TESTED	4736'-4862'		FLUID CUSHION TYPE		AMT
TIME STARTED IN HOLE	5:10	A M P M	AIR CHAMBER SIZE I D		AMT
TIME TOOL ON BOTTOM		A M P M	WAS TOOL CHASED TO BOTTOM		no
TIME TOOL OPENED		A M P M	DID PACKERS HOLD		yes
INITIAL SHUT-IN PERIOD	30 mins.		WAS TOOL PLUGGED		no
FLOW PERIOD	60 mins.		WAS JARRING NECESSARY		no
FINAL SHUT-IN PERIOD	60 mins.		WAS TEST REVERSED OUT		no

REMARKS Test satisfactory.

AIR OR GAS BLOW Good initial puff strong blow decreasing to dead at end of test.

FLUID RECOVERY. 4050 feet of muddy salty water.

SURFACE INFORMATION WHEN CHOKE OR ORIFICE USED

TIME	MAXIMUM PRES.	CHOKE SIZE
TIME	MAXIMUM PRES.	CHOKE SIZE
TIME	MAXIMUM PRES.	CHOKE SIZE
TIME	MAXIMUM PRES.	CHOKE SIZE
TIME	MAXIMUM PRES.	CHOKE SIZE

OTHER TEST DATA

MAIN HOLE SIZE 8 3/4" RAT HOLE SIZE DRILL PIPE SIZE 4 1/2 F.H.

TYPE MUD Gel WEIGHT 10.5 VISCOSITY 126 WATER LOSS 4.7 FILTER CAKE 2/32

TYPE PACKER'S B.T SIZE 7 1/4" TYPE SIZE

RECORDERS:

TOP NO.	T-371	CAPACITY	3000#	INSIDE ☒	OUTSIDE ☐	DEPTH	4740'
BOTTOM	892	CAPACITY	3000#	INSIDE ☐	OUTSIDE ☒	DEPTH	4862'
EXTRA		CAPACITY		INSIDE ☐	OUTSIDE ☐	DEPTH	

NO. SERVICE REPORTS 7 - Home Oil Company Limited Calgary
1 - Data Center Calgary

HOME OIL COMPANY LIMITED
COMPANY

HOME SIGNAL C.S.P. CELIBETA #5
WELL NAME AND NUMBER

60 mins. 05 mins. 21 sec. N 122° 11 mins. 00 sec. W 4
TEST NO.

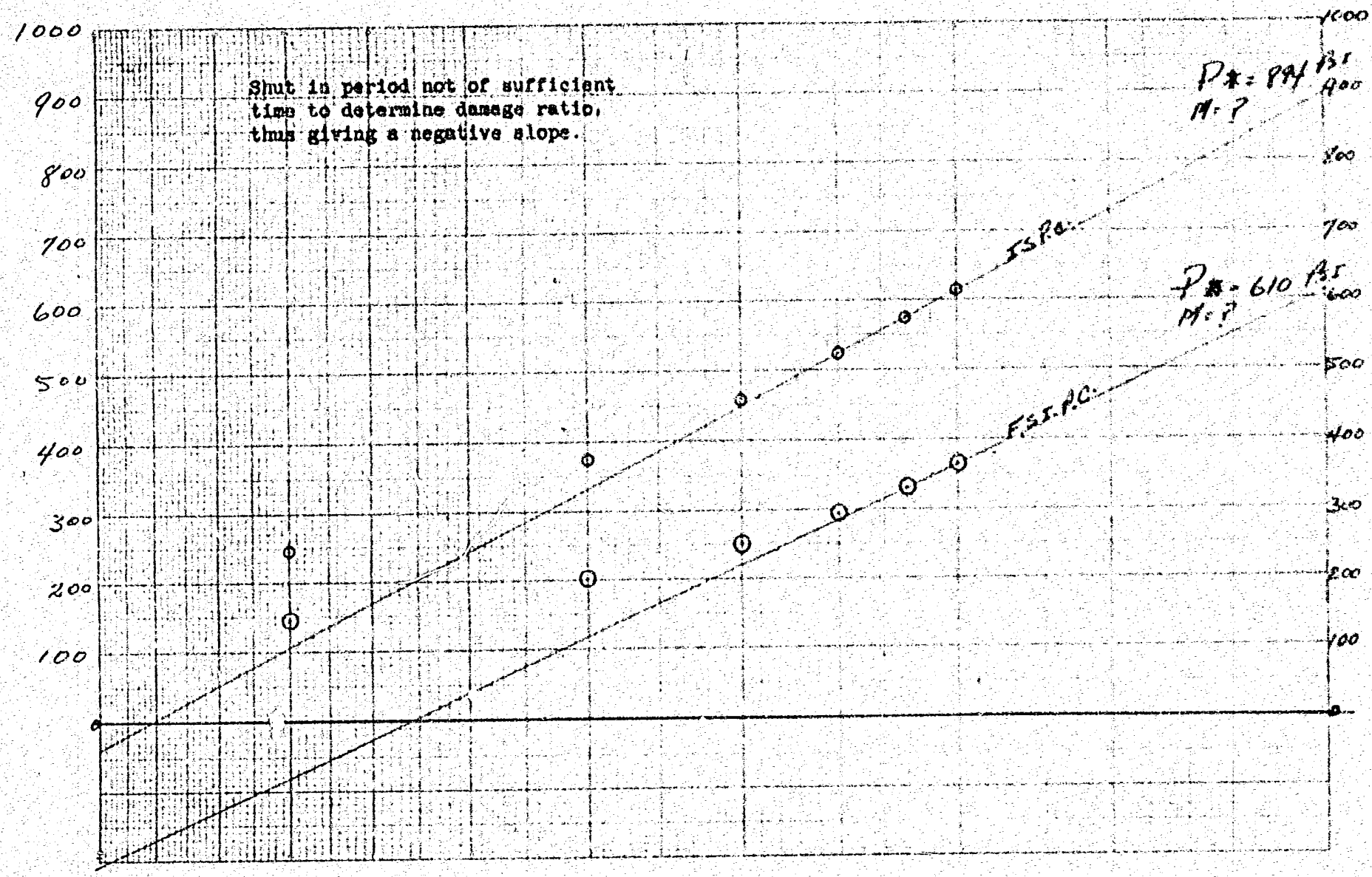
FEB. 16, 1961
DATE

JOHNSTON TESTERS LTD.

321 - 50th AVENUE S.E., CALGARY, ALBERTA

PHONE AL 5-1151

SERVICE REPORT


Shut in period not of sufficient time to determine damage ratio, thus giving a negative slope.
P* = 84 M: ?
I.S.P.C.
P* = 610 M: ?
F.S.I.P.C.
1000
900
800
700
600
500
400
300
200
100

Pressure Recorder: No. T-371 Cap. 3000# Location Inside 2663'

PRESSURE DATA		Point	Pressure	Point	Pressure
A Initial Hyd.	1468#				
B Initial Shut-In	601#				
C Initial Flow	47#				
D Final Flow	49#				
E Final Shut-In	346#				
F Final Hyd.	1457#				
Remarks:					

SECONDARY RECORDER

Pressure Recorder: No. 597 Cap. 3000# Location Outside 2691'

PRESSURE DATA		Point	Pressure	Point	Pressure
A Initial Hyd.	1479#	B- 0	86#		
B Initial Shut-In	614#	B- 5	254#		
		B-10	375#		
C Initial Flow O-	90#	B-15	459#		
C-	94#	B-20	524#		
D Final Flow	96#	B-25	575#		
		B-30	614#		
E Final Shut-In	368#				
		D- 0	96#		
F Final Hyd.	1486#	D- 5	144#		
		D-10	201#		
Remarks:		D-15	252#		
		D-20	295#		
		D-25	332#		
		E-30	368#		

PRIMARY RECORDER

JOHNSTON TESTERS LTD.

321 - 58th Avenue S.E. Calgary, Alberta

Phone AL 5-1151

COMPANY Home Oil Company Limited TICKET # B-2864

FIELD Wildcat P O # S 11803

WELL NAME Home Signal C.S.P. Celibeta #5

COMPANY REP L.Stafford JOHNSTON OP. K.Burns.

GENERAL TEST DATA

TYPE TEST	Straddle by pass		BOTTOM HOLE TEMP		
TOTAL DEPTH	4554'		CHOKE SIZE	1/2"	
INTERVAL TESTED	2666'-2696'		FLUID CUSHION TYPE		AMT
TIME STARTED IN HOLE	4:45 A.M	P.M	AIR CHAMBER SIZE I.D		AMT
TIME TOOL ON BOTTOM	A.M	P.M	WAS TOOL CHASED TO BOTTOM		no
TIME TOOL OPENED	A.M	P.M	DID PACKERS HOLD		yes
INITIAL SHUT-IN PERIOD	30 mins.		WAS TOOL PLUGGED		no
FLOW PERIOD	60 mins.		WAS JARRING NECESSARY		no
FINAL SHUT-IN PERIOD	30 mins.		WAS TEST REVERSED OUT		no

REMARKS Small amount of lost circulation material in mud system----Test satisfactory.

AIR OR GAS BLOW Fair initial puff dead in 1 minute

FLUID RECOVERY. 30 feet of drilling mud.

SURFACE INFORMATION WHEN CHOKE OR ORIFICE USED

TIME	MAXIMUM PRES.	CHOKE SIZE
TIME	MAXIMUM PRES.	CHOKE SIZE
TIME	MAXIMUM PRES.	CHOKE SIZE
TIME	MAXIMUM PRES	CHOKE SIZE
TIME	MAXIMUM PRES	CHOKE SIZE

OTHER TEST DATA

MAIN HOLE SIZE 12 1/4" RAT HOLE SIZE DRILL PIPE SIZE 4 1/2 F.H.

TYPE MUD Gel. WEIGHT 10.7 VISCOSITY 95 WATER LOSS 5.0 FILTER CAKE 2/32

TYPE PACKER'S 2 Conv. SIZE 11 1/4" TYPE SIZE

RECORDERS:

TOP NO	T-371	CAPACITY	3000#	INSIDE ☒	OUTSIDE ☐	DEPTH	2663'
BOTTOM	597	CAPACITY	3000#	INSIDE ☐	OUTSIDE ☒	DEPTH	2691'
EXTRA		CAPACITY		INSIDE ☐	OUTSIDE ☐	DEPTH	

NO. SERVICE REPORTS 7 - Home Oil Company Limited Calgary

1 - Data Center Calgary

HOME OIL COMPANY LIMITED — COMPANY

HOME SIGNAL C.S.P. CELIBETA #5 — WELL NAME AND NUMBER

60° 05 min. 21 sec. N 122° 11 mins 00 sec. W

3 — TEST NO.

FEB 10, 1961 — DATE

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE **DAY FROM SPUD DATE**

WELL: CELIBETA #5 | COMPANY: Home. | RIG NO: 26. | DATE: FEB 23/61

LSD | SEC | TWP | RNGE. | W/ MER. | PROVINCE: NWT. | TOOL PUSHER

MORNING TOUR

IN HOLE - END OF TOUR

NO	PIPE SIZE	FEET
	STAND D.P	
	SNGLS D.P	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.	
SIZE	
MFG	
TYPE	
SER No	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME: FROM | TO

DRILLED: FROM | TO

FORMATION AND EXPLANATION

Rack Rig

Close up Camp.

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	
WT	
VISC.	
W. L. CC	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER G.A. Walker	8
DERRICK MAN T. Smith	8
MOTOR MAN T. Beh.	8
HELPER K. Robinson	8
HELPER	
HELPER	
HELPER	

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P	
	SNGLS. D.P.	
	LNGTH CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH

BIT RECORD

RUN No	
SIZE	
MFG.	
TYPE	
SER No	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No	
TYPE	

TIME: FROM | TO

DRILLED: FROM | TO

FORMATION AND EXPLANATION

Rack Rig

Close up Camp.

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER R. Rouble	8
DERRICK MAN J. McCormick	
MOTOR MAN B. Atkins	8
HELPER A. Sayers	8
HELPER	
HELPER	
HELPER	

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND D.P	
	SNGLS D.P.	
	LNGTH CLRS	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No	DIAMETER	LGTH

BIT RECORD

RUN No	
SIZE	
MFG	
TYPE	
SER No	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No	
TYPE	

TIME: FROM | TO

DRILLED: FROM | TO

FORMATION AND EXPLANATION

Rack R.G

Close up Camp

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	
WT.	
VISC	
W. L. CC	
FLTR. CK.	
P. H	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER A. Goruk	
DERRICK MAN E. Turner	
MOTOR MAN R. Ferris	8
HELPER	
HELPER W. Belec	8
HELPER	
HELPER	

FEB 27 1961 AM

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

MORNING TOUP		DAY TOUR		EVENING TOUP	
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES.	PSI
ROT R P M		ROT R P M		ROT R P M	
POINTS WT		POINTS WT		POINTS WT	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE ..... DAY FROM SPUD DATE

WELL: CELIBETA #5 | COMPANY: Home | RIG NO.: 26 | DATE: Feb 22/61

LSD | SEC. | TWP. | RNGE. | W/ MER. | PROVINCE: NWT | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN NO.			
SIZE			
MFG			
TYPE			
SER. No.			
DEPTH OUT			
HOURS RUN			
FOOTAGE			
REAMER CUTTER NO.			
TYPE			

TIME: FROM 8:00 TO 7:00

DRILLED: FROM TO

FORMATION AND EXPLANATION: Racking.

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER: G.A. Walker	11
DERRICK MAN: J. Smith	11
MOTOR MAN: J. Poon	11
HELPER: K. Rogers	11
HELPER	
HELPER	
HELPER	

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN No.			
SIZE			
MFG.			
TYPE			
SER. No.			
DEPTH OUT			
HOURS RUN			
FOOTAGE			
REAMER CUTTER No.			
TYPE			

TIME: FROM 8:00 TO 7:00

DRILLED: FROM TO

FORMATION AND EXPLANATION: Racking

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER: Bruce Courtnall	
DERRICK MAN: Pat McCallum	
MOTOR MAN: Ed Atkins	
HELPER: Ronald Sopel	
HELPER	
HELPER	
HELPER	

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO	DIAMETER	LGTH.

BIT RECORD

RUN NO			
SIZE			
MFG			
TYPE			
SER NO			
DEPTH OUT			
HOURS RUN			
FOOTAGE			
REAMER CUTTER No.			
TYPE			

TIME: FROM 8:00 TO 7:00

DRILLED: FROM TO

FORMATION AND EXPLANATION: Racking

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER: A. Gooch	11
DERRICK MAN: E. Tuckwell	
MOTOR MAN: B. Ferris	11
HELPER: W. Spackman	11
HELPER: W. McGee	11
HELPER	
HELPER	

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES.	PSI	PUMP PRES	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY EDMONTON

THIS IS THE ..... DAY FROM SPUD DATE

WELL Celibeta 5 | COMPANY Home Oil | RIG NO 26 | DATE Feb 21/61

LSD. SEC. TWP. RNGE. W/ MER. | PROVINCE NWT. | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN No.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME: FROM 8 00 TO 7 00

DRILLED: FROM TO

FORMATION AND EXPLANATION: Rigging down & moving

DEVIATION: DEPTH DEGREES

MUD RECORD: TIME, WT., VISC., W. L. CC., FLTR. CK., P. H.

MUD & CHEM. ADDED: TYPE AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER G. Hilaire	11
DERRICK MAN J. Smith	11
MOTOR MAN T. Poch	11
HELPER K. Robinson	11
HELPER	
HELPER	
HELPER	

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN No.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME: FROM 8 00 TO 7 00

DRILLED: FROM TO

FORMATION AND EXPLANATION: 2 Trucks Arrived @ 2 PM. Tearing out & Racking

DEVIATION: DEPTH DEGREES

MUD RECORD: TIME, WT., VISC., W. L. CC., FLTR. CK., P. H.

MUD & CHEM. ADDED: TYPE AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER Briggs	11
DERRICK MAN [illegible]	11
MOTOR MAN Robitaille	11
HELPER Angelo Sayer	11
HELPER	
HELPER	
HELPER	

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH

BIT RECORD

RUN NO.	
SIZE	
MFG.	
TYPE	
SER. No	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No	
TYPE	

TIME: FROM 8.00 TO 7.00

DRILLED: FROM TO

FORMATION AND EXPLANATION: Tearing Out & Racking

DEVIATION: DEPTH DEGREES

MUD RECORD: TIME, WT., VISC., W. L. CC., FLTR. CK., P. H.

MUD & CHEM. ADDED: TYPE AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER H. Gocuk	11
DERRICK MAN E. Turcotte	11
MOTOR MAN D. Fehr	11
HELPER W. Sparchez	11
HELPER H. Briggs	11
HELPER	
HELPER	

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

2 - 4½ FH Joints of drill pipe BADLY BENT ON D.S.T #2

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE ..... DAY FROM SPUD DATE

WELL: CELIBETA #5 | COMPANY: HOME | RIG NO.: 26 | DATE: FEB 20/61

LSD | SEC. | TWP. | RNGE. | W/ MER. | PROVINCE: N.W.T. | TOOLPUSHER: [illegible]

MORNING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.		
SIZE		
MFG.		
TYPE		
SER. No.		
DEPTH OUT		
HOURS RUN		
FOOTAGE		
REAMER CUTTER No.		
TYPE		

TIME: FROM 1 AM TO 4 PM

DRILLED: FROM ____ TO ____

FORMATION AND EXPLANATION: Rigging down

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER G.A. WALKER	8
DERRICK MAN J. SMITH	8
MOTOR MAN J. PACH	8
HELPER M. LYONS	8
HELPER K. EDMONDSON	8
HELPER	
HELPER	

DAY TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.		
SIZE		
MFG.		
TYPE		
SER. No.		
DEPTH OUT		
HOURS RUN		
FOOTAGE		
REAMER CUTTER No.		
TYPE		

TIME: FROM ____ TO ____

DRILLED: FROM ____ TO ____

FORMATION AND EXPLANATION: TEARING OUT.

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER [illegible]	
DERRICK MAN [illegible]	
MOTOR MAN [illegible]	
HELPER [illegible]	
HELPER	
HELPER	
HELPER	

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.		
SIZE		
MFG.		
TYPE		
SER. No.		
DEPTH OUT		
HOURS RUN		
FOOTAGE		
REAMER CUTTER No.		
TYPE		

TIME: FROM 8:00 PM TO ____

DRILLED: FROM ____ TO ____

FORMATION AND EXPLANATION: TEARING OUT

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER A. GOOCK	8
DERRICK MAN E. TURNER	8
MOTOR MAN B. FERRIS	8
HELPER W. SPROULE	8
HELPER H. BERGER	8
HELPER	
HELPER	

REMARKS (REPAIRS, ACCIDENTS AND ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 53 DAY FROM SPUD DATE

WELL CELIBETA 5 | COMPANY Home | RIG NO. 26 | DATE 2-10-19-61

LSD. SEC. TWP. RNGE. W/ MER. PROVINCE | TOOL PUSHER [illegible]

MORNING TOUR

IN HOLE — END OF TOUR

NO	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN NO.	
SIZE	
MFG.	
TYPE	
SER. NO.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO
12:00	6:00		
6:00	6:15		
6:15	6:45		
6:45	8:00		

FORMATION AND EXPLANATION

W.O.C & Lay down drill pipe & D.Cs.
* Felt top plug @ 3090'
Lay down drill pipe
Rig down B.O.P.s

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER	E. Wheeler 9
DERRICK MAN	J. Jones 9
MOTOR MAN	J. Jones 9
HELPER	M. Lyons 9
HELPER	[illegible] 9
HELPER	
HELPER	

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN NO.	
SIZE	
MFG.	
TYPE	
SER. NO.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO
8:00	1:00		
1:00	2:30		
2:30	3:00		
3:00	4:00		

FORMATION AND EXPLANATION

Lay Down B.H.
CUT CASING & Bowl OFF - CEMENT Plug @ SURFACE
WELD PLATE & MARKER ON CASING
CLEANING TANK & WORK ON PUMP

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER	[illegible] 8
DERRICK	[illegible] 8
MOTOR MAN	[illegible] 8
HELPER	[illegible] 8
HELPER	[illegible] 8
HELPER	[illegible] 8
HELPER	

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN NO.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO
4:00	12:00		

FORMATION AND EXPLANATION

CLEAN Mud Tanks & Repair Mud Pumps

Rig Released
Rig Down 2:30 P.M. 19/3/61

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER	A. Gooch 8
DERRICK MAN	B. Turner 8
MOTOR MAN	B. Ferris 8
HELPER	V. Spencer 8
HELPER	W. Bagg 8
HELPER	
HELPER	

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

* Home Reports top of Plug 3 @ 2745' = ARC

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.
CALGARY EDMONTON

THIS IS THE 52 DAY FROM SPUD DATE

WELL CELIBETA #5 | COMPANY HOME OIL | R.G No. 26 | DATE Feb 18/61

LSD | SEC | TWP | RNGE. | W/ MER. | PROVINCE NWT | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO
12:00	5:45	TD	
5:45	7:00		
7:00	8:00		

FORMATION AND EXPLANATION

Logging
Lay down 8 DCs.
Run in open end

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	
WT.	
VISC	
W. L. CC	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	G.A. WALKER	8
DERRICK MAN	J. SMITH	8
MOTOR MAN	J. POCH	8
HELPER	M. LYONS	8
HELPER	K. ROBINSON	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO
8:00	9:15		
9:15	10:15		
10:15	11:15		
11:15	11:45		
11:45	12:00		
12:00	12:30		
12:30	1:00		
1:00	3:30		

FORMATION AND EXPLANATION

Rig service & check BOPs
Running in open end - pick up DP
Circ.
Run Plug #1 on bottom 4960'
Hoist 55 stds to 4500'
Run Cement Plug #2 @ 4500
Hoist 7 stds
Circ. wait 2 hours
Run 3 std. singles

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	
WT.	
VISC	
W. L. CC	
FLTR. CK.	
P. H.	

MUD & CHEM ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	RICHARD SAVOIE	8
DERRICK MAN	PAT O'LAUGHLIN	8
MOTOR MAN	EARL ATKINS	8
HELPER	KEITH SMALE	8
HELPER	BRUCE SAYER	8
HELPER	CHARLIE K.	8
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO
3:00	4:30		
4:30	8:00		
8:00	8:30		
8:30	9:15		
9:15	9:45		
9:45	12:00		

FORMATION AND EXPLANATION

W.O.C.
Feel Tag #2 Plug @ 4380'
Hoist to 1960' for Plug #3
Pump + Displace Plug #3 - 125 sks
Laying down drill pipe

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	
WT.	
VISC	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	A. GOEUK	8
DERRICK MAN	E. TUCKER	8
MOTOR MAN	B. EGGS	8
HELPER	W. SPENCER	8
HELPER	H. BRIGGS	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

Plug #1 - 125 sks inhand cement Plug #2 - 135 sks inhand cement

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.
CALGARY EDMONTON

THIS IS THE 5/37 DAY FROM SPUD DATE

WELL Celibeta #5 | COMPANY Home Oil | RIG NO. 26 | DATE Feb 14/64
LSD. SEC. TWP. RNGE. W/ MER. PROVINCE N.W.T. | TOOL PUSHER [illegible]

MORNING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
44	STAND. D.P. 4½	4237.24
2	SNGLS D.P	59.90
17	LNGTH. CLRS	493.76
	KELLY IN	19
2	OTHER	3.23
	TOTAL	4812.73

DRILL COLLARS

NO.	DIAMETER	LGTH.
17	6"	493.76

BIT RECORD

RUN NO.	35
SIZE	8 3/4
MFG.	REED
TYPE	YH
SER. NO.	[illegible]
DEPTH OUT	—
HOURS RUN	12¾
FOOTAGE	53
REAMER CUTTER NO.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
12:00	12:45			Service r BOP.
12:45	8:00	4881	4912	Drlg.

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	1:30	b.
WT.	12.3	10.3
VISC.	125	125
W.L. CC.	4.5	4.7
FLTR. CK.	2/32	2
P.H.	9.0	9.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Superco	1000
Caustic	50
Ray F.	100

DRLG. CREW PAYROLL

	HRS.
DRILLER G.A. Walker	8
DERRICK MAN J. [illegible]	8
MOTOR MAN J. [illegible]	8
HELPER M. L[illegible]	8
HELPER K. Rob[illegible]	8
HELPER	
HELPER	

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
44	STAND. D.P. 4½	4427.87
	SNGLS. D.P.	
17	LNGTH. CLRS.	493.76
	KELLY IN	16.00
2	OTHER SUBS	3.83
	TOTAL	4941.46

DRILL COLLARS

NO.	DIAMETER	LGTH.
17	6"	493.76

BIT RECORD

RUN NO.	35
SIZE	8¾
MFG.	Reed
TYPE	YH
SER. NO.	704585
DEPTH OUT	
HOURS RUN	20½
FOOTAGE	79
REAMER CUTTER NO.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
8:00	8:45			Rig service & check hole.
8:15	4:00	4912	4941	Drlg.

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	9.00	3:00
WT.	10.3	10.3
VISC.	130	118
W.L. CC.	4.7	4.0
FLTR. CK.	2/32	2/32
P.H.	9.0	9.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Surfaced	400
Caustic	50
Quebracho	100

DRLG. CREW PAYROLL

	HRS.
DRILLER Richardson	8
DERRICK MAN [illegible]	8
MOTOR MAN Bob Atkins	8
HELPER Keith Searle	8
HELPER Hank Sparks	8
HELPER C.H. Kellner	8
HELPER	

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
44	STAND. D.P. 4½	4427.87
	SNGLS D.P.	
17	LNGTH. CLRS.	493.76
	KELLY IN	24.54
2	OTHER Subs	3.92
	TOTAL	4950.09

DRILL COLLARS

NO.	DIAMETER	LGTH.
17	6"	493.76

BIT RECORD

RUN NO.	35
SIZE	8¾
MFG.	Reed
TYPE	YH
SER. NO.	704585
DEPTH OUT	4950
HOURS RUN	22¼
FOOTAGE	88
REAMER CUTTER NO.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
4.00	5.45	4941	4950	Drlg.
5.45	7.00			Circ To Log
7.00	9.30			Hoist To Log
9.30	12.00			R.U. up & Log By Schlum Reelers

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	5.30	
WT.	10.3	
VISC.	120	
W.L. CC.	4.0	
FLTR. CK.	2/32	
P.H.	9.5	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER A. Goguel	9
DERRICK MAN E. Turner	8
MOTOR MAN B. Fenes	9
HELPER W. Speecher	8
HELPER H. Boggs	8
HELPER	
HELPER	

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

Auto-Driller St-wt 181,000

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	950 PSI	PUMP PRES.	750 PSI	PUMP PRES.	750 PSI
ROT. R.P.M.	65	ROT. R.P.M.	65	ROT. R.P.M.	65
POINTS WT.	15	POINTS WT.	15	POINTS WT.	15
LINER SIZE	6	LINER SIZE	6"	LINER SIZE	6" 6½

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY / EDMONTON

THIS IS THE 50 DAY FROM SPUD DATE

WELL Celibeth 5 | COMPANY Home Oil | RIG No. 26 | DATE Feb 16/64

LSD. | SEC. | TWP | RNGE. | W/ MER. | PROVINCE PWT | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
12⁰⁰	12³⁰	4962	—	Core
12³⁰	3⁰⁰			Hoist - strap pipe
3⁰⁰	3¹⁵			Rig service. Work B.O.P.
3¹⁵	5³⁰			Pick up Packer
5³⁰	7¹⁵			Run in seat Packer
7¹⁵	8⁰⁰			Testing.

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER G. A. Yonkers	
DERRICK MAN T. Snow	8
MOTOR MAN T. Peen.	7
HELPER M. Lyons	8
HELPER K. Redmond	8
HELPER	
HELPER	

DAY TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.	35
SIZE	9⅞
MFG.	Reed
TYPE	HH
SER. No.	65½
DEPTH OUT	—
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
8⁰⁰	9⁰⁰			Testing B.O.P. 60 min.
9⁰⁰	10⁰⁰			Final test 4941 for 60 min.
10⁰⁰	2⁰⁰			Hoist Packer 4650' mud dry cut twice
2⁰⁰	3⁴⁵			Break down Packer
3⁴⁵	4⁰⁰			Make up Bit & Bumper sub DCs

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER Gregoire Lessard	
DERRICK MAN Wm. Crowe	
MOTOR MAN Earl Hess	8
HELPER Keith Crowe	8
HELPER Bernie Seyler	8
HELPER Cal Kellond	8
HELPER	

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
18	STAND. D.P. 4½	4337.28
1	SNGLS. D.P.	28.82
17	LNGTH. CLRS.	493.76
	KELLY IN	16.25
2	OTHER Subs	3.93
	TOTAL	4881.04

DRILL COLLARS

No.	DIAMETER	LGTH.
17	6"	493.76

BIT RECORD

RUN No.	35
SIZE	9⅞
MFG.	Reed
TYPE	HH
SER. No.	70V395
DEPTH OUT	
HOURS RUN	5
FOOTAGE	19
REAMER CUTTER No.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
4.00	4.15			Service R.G. & V.B.O.P.s
4.15	6.15			Run in
6.15	7.00			Steam out Kelly Hose & Clean 60' Tk
				Bottom.
7.00	12.00	4862	4881	Drilling.

DEVIATION

DEPTH	DEGREES
Coastic	75°
Rayflo	160°

MUD RECORD

TIME	9⁰⁰	11⁰⁰
WT.	10.3	10.5
VISC.	160	158
W. L. CC.	6.1	4.8
FLTR. CK.	2/32	2/32
P. H.	9.5	9.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Drilube	200 lbs
Surf-Cal	1500 lbs
Kigco	150 lbs

DRLG. CREW PAYROLL

	HRS.
DRILLER A. Gronk	8
DERRICK MAN E. Turner	8
MOTOR MAN B. Fiess	8
HELPER W. Spencer	8
HELPER V. Peters	8
HELPER	
HELPER	

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

DST #4 - 4735 - 4862 7¼" Dual By Johnston. ISI 30 min 10.60 mins

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	800 PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	65
POINTS WT.		POINTS WT.		POINTS WT.	14
LINER SIZE		LINER SIZE		LINER SIZE	6" X 16

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY EDMONTON

THIS IS THE 49th DAY FROM SPUD DATE

WELL Celibeta #5 | COMPANY Home Oil | RIG No. 26 | DATE Feb 15 61

LSD. SEC. TWP. RNGE. W/ MER. | PROVINCE NWT | TOOL PUSHER —

MORNING TOUR

IN HOLE — END OF TOUR

No.	Pipe Size	Feet
47	STAND. D.P.	4825.80
1	SNGLS. D.P.	30.57
17	LNGTH. CLRS.	493.76
	KELLY IN	27
2	OTHER Subs	3.83
	TOTAL	4983.20

DRILL COLLARS

No.	Diameter	Lgth.
17	6"	493

BIT RECORD

RUN No.	33	34
SIZE	9 3/4	9 3/4
MFG.	REED	REED
TYPE	YH	YM
SER. No.	[illegible]	006509
DEPTH OUT	4799	—
HOURS RUN	25	1
FOOTAGE	16	
REAMER CUTTER No.	—	
TYPE	—	

Time From	Time To	Drilled From	Drilled To	Formation and Explanation
12:00	3:00	4786	4799	DRLG.
3:00	5:00			HOIST
5:00	5:15			SERVICE. ✓ BOP OK
5:15	7:00			RUN IN
7:00	8:00	4799	4803	DRLG.

DEVIATION

Depth	Degrees
	°
	°

MUD RECORD

TIME	2:00
WT.	9.4
VISC.	125
W. L. CC.	4.6
FLTR. CK.	2/32
P. H.	9.0

MUD & CHEM. ADDED

Type	Amount
Caustic	100
Quebracho	100
Diesene 50	

DRLG. CREW PAYROLL — HRS.

DRILLER	G. Harper	8
DERRICK MAN	J. Santos	8
MOTOR MAN	J. Poch	8
HELPER	M. Lynds	8
HELPER	A. Copeland	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No.	Pipe Size	Feet
47	STAND. D.P.	4825.80
2	SNGLS. D.P.	61.11
17	LNGTH. CLRS.	493.76
	KELLY IN	34.00
2	OTHER Subs	3.83
	TOTAL	4837.50

DRILL COLLARS

No.	Diameter	Lgth.
17	6"	493.76

BIT RECORD

RUN No.	34	
SIZE	9 3/4	
MFG.	Reed	
TYPE	YM	
SER. No.	006509	
DEPTH OUT	—	
HOURS RUN	9 1/4	
FOOTAGE	38	
REAMER CUTTER No.		
TYPE		

Time From	Time To	Drilled From	Drilled To	Formation and Explanation
8:00	8:20	4803	4807	DRLG.
8:20	8:45			RIG SERVICE & CHECK BOP
8:45	4:00	4807	4837	DRLG.

DEVIATION

Depth	Degrees
	°
	°

MUD RECORD

TIME	9:00	5:00
WT.	10.5	10.5
VISC.	121	120
W. L. CC.	4.1	4.0
FLTR. CK.	2/32	2/32
P. H.	9.0	9.0

MUD & CHEM. ADDED

Type	Amount

DRLG. CREW PAYROLL — HRS.

DRILLER	[illegible]	
DERRICK MAN	[illegible]	
MOTOR MAN	[illegible]	
HELPER	[illegible]	
HELPER	[illegible]	
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	Pipe Size	Feet
47	STAND. D.P.	4337.20
	SNGLS. D.P.	
17	LNGTH. CLRS.	493.76
	KELLY IN	27.17
2	OTHER Subs	3.83
	TOTAL	4862.00

DRILL COLLARS

No.	Diameter	Lgth.
17	6"	493.76

BIT RECORD

RUN No.	34	
SIZE	9 3/4	
MFG.	Reed	
TYPE	YM	
SER. No.	006509	
DEPTH OUT	4862	
HOURS RUN	2 1/2	
FOOTAGE	63	
REAMER CUTTER No.		
TYPE		

Time From	Time To	Drilled From	Drilled To	Formation and Explanation
4:00	5:45	4837		DRLG
5:45	6:00			SERVICE RIG + ✓ BOPs
6:00	10:00		4863	DRLG.
10:00	12:00			CIRC - TO TEST.

DEVIATION

Depth	Degrees
	°
	°

MUD RECORD

TIME	6:00
WT.	10.5
VISC.	126
W. L. CC.	4.2
FLTR. CK.	2/32
P. H.	9.0

MUD & CHEM. ADDED

Type	Amount

DRLG. CREW PAYROLL — HRS.

DRILLER	A. Green	8
DERRICK MAN	E. Turner	8
MOTOR MAN	C. McNeil	8
HELPER	W. Sproule	8
HELPER	H. Bridger	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

Auto-Driller St. Wt. 80,000

SLUSH PUMP RECORD

Morning Tour		Day Tour		Evening Tour	
Pump Pres.	750 PSI	Pump Pres.	750 PSI	Pump Pres.	750 PSI
Rot. R.P.M.	65	Rot. R.P.M.	65	Rot. R.P.M.	65
Points Wt.	30	Points Wt.	15	Points Wt.	15
Liner Size	6"	Liner Size	6"	Liner Size	6"

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 48TH DAY FROM SPUD DATE

WELL Celibeta #5 | COMPANY Home Oil | RIG NO. 16 | DATE FEB 14/61

LSD. | SEC. | TWP. | RNGE. | W/ MER. | PROVINCE N.W.T. | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
46	STAND. D.P.	4453.78
1	SNGLS. D.P.	30.64
17	LNGTH. CLRS.	493.76
	KELLY IN	35
2	OTHER Subs	3.83
	TOTAL	4917.01

DRILL COLLARS

NO.	DIAMETER	LGTH.
17	6"	493.76

BIT RECORD

RUN NO.	33
SIZE	8 3/4
MFG.	Reed
TYPE	YH.
SER. NO.	D-3403
DEPTH OUT	—
HOURS RUN	6 1/2
FOOTAGE	18
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
12.00	12.15			Rig Serv. & BOPs
12.15	1.30			Run N
1.30	9.00	4699	4717	Drlg.

DEVIATION

DEPTH	DEGREES
CARTR. 106	

MUD RECORD

TIME	2:00	7:00
WT.	10.5	10.5
VISC.	118	125
W. L. CC.	4.8	4.8
FLTR. CK.	2/32	2
P. H.	9.0	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT
Surfa	15 00
Dextrid	1 00
Lecco	1 00

DRLG. CREW PAYROLL — HRS.

DRILLER G.A. Walker 8
DERRICK MAN J. Smith 8
MOTOR MAN J. Frew 8
HELPER M. Lewis 8
HELPER K. Rowland 8
HELPER
HELPER

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
46	STAND. D.P.	4453.78
1	SNGLS. D.P.	30.64
17	LNGTH. CLRS.	493.76
	KELLY IN	23.00
2	OTHER Subs	3.83
	TOTAL	4745.81

DRILL COLLARS

NO.	DIAMETER	LGTH.
17	6"	493.76

BIT RECORD

RUN NO.	33
SIZE	8 3/4
MFG.	Reed
TYPE	YH
SER. NO.	D-3693
DEPTH OUT	
HOURS RUN	14 3/4
FOOTAGE	46
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
9.00	9.45			Rig Service & Check BOPs
9.45	4.00	4717	4745	Drlg.

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	9.00	6.00
WT.	10.5	10.5
VISC.	132	121
W. L. CC.	4.5	4.6
FLTR. CK.	2/32	2/32
P. H.	9.0	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER L. Cheek 8
DERRICK MAN E. Fowler 8
MOTOR MAN Lee Kelly 8
HELPER Mel Sparrow 8
HELPER
HELPER
HELPER

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
47	STAND. D.P.	4245.90
1	SNGLS. D.P.	30.51
17	LNGTH. CLRS.	493.76
	KELLY IN	12.00
2	OTHER Subs	3.93
	TOTAL	4786.10

DRILL COLLARS

NO.	DIAMETER	LGTH.
17	6"	493.76

BIT RECORD

RUN NO.	33
SIZE	8 3/4
MFG.	Reed
TYPE	YH
SER. NO.	D-3693
DEPTH OUT	—
HOURS RUN	22
FOOTAGE	
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4.00	5.45	4745		Drlg
5.45	6.00			Service Rig & BOPs
6.00	12.00		4786	Drlg.

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	2.00	6.00
WT.	10.4	10.5
VISC.	117	120
W. L. CC.	4.6	4.7
FLTR. CK.	2/32	2/32
P. H.	9.0	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER A. Gosuk 8
DERRICK MAN E. Fowler 8
MOTOR MAN L.H. Kelly 8
HELPER M. Sparrow 8
HELPER H. Rowland 8
HELPER
HELPER

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

Auto-Driller St-wt. 101,000.

SLUSH PUMP RECORD

	MORNING TOUR	DAY TOUR	EVENING TOUR
PUMP PRES. PSI	700	750	750
ROT. R.P.M.	65	65	65
POINTS WT.	15	15	15
LINER SIZE	6"	6"	6"

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 47th DAY FROM SPUD DATE

WELL: CELIBETA #5 | COMPANY: HOME OIL | RIG No: 26 | DATE: FEB 13/61

LSD. SEC TWP RNGE W/ MER. | PROVINCE: NWT | TOOL PUSHER:

MORNING TOUR

IN HOLE — END OF TOUR

No.	Pipe Size	Feet
46	STAND. D.P. 4½	4153.76
	SNGLS. D.P.	
17	LNGTH. CLRS.	493.76
	KELLY IN	38.50
2	OTHER Subs	3.83
	TOTAL	4689.85

DRILL COLLARS

No.	Diameter	Lgth.
17	6"	493.76

BIT RECORD

RUN No.	32
SIZE	8¾
MFG.	REED
TYPE	YM
SER. No.	206259
DEPTH OUT	——
HOURS RUN	7¼
FOOTAGE	26
REAMER CUTTER No.	
TYPE	

TIME

From	To
1200	1230
1230	1245
1245	900

DRILLED

From	To
4649	4675

FORMATION AND EXPLANATION

FIALSN N.
SERVICE & CHECK BOPs.
DRLG.

DEVIATION

Depth	Degrees
	°
	°

MUD RECORD

TIME	2 PM	6 AM
WT.	10.5	10.5
VISC.	118	135
W. L. CC.	4.3	4.8
FLTR. CK.	2/32	3/32
P. H.	9.5	9.5

MUD & CHEM. ADDED

Type	Amount
SUPER	1 BOX
CAUSTIC	50
LIGCO	100

DRLG. CREW PAYROLL

	Hrs.
DRILLER G.A. WALKER	8
DERRICK MAN J. SMITH	8
MOTOR MAN T. B[illegible]	8
HELPER M. L[illegible]	
HELPER K. [illegible]	
HELPER	
HELPER	

DAY TOUR

IN HOLE — END OF TOUR

No.	Pipe Size	Feet
46	STAND. D.P. 4½	4163.76
	SNGLS. D.P.	
17	LNGTH. CLRS.	493.76
	KELLY IN	36.00
2	OTHER Subs	3.83
	TOTAL	4657.57

DRILL COLLARS

No.	Diameter	Lgth.
17	6"	493.76

BIT RECORD

RUN No.	32
SIZE	8¾
MFG.	REED
TYPE	YM
SER. No.	206257
DEPTH OUT	
HOURS RUN	15
FOOTAGE	38
REAMER CUTTER No.	
TYPE	

TIME

From	To
800	815
815	400

DRILLED

From	To
4620	4627

FORMATION AND EXPLANATION

RIG SERVICE & CHECK BOP.
DRLG.

DEVIATION

Depth	Degrees
	°
	°

MUD RECORD

TIME	9 AM	1 PM
WT.	10.6	10.6
VISC.	130	110
W. L. CC.	4.2	4.7
FLTR. CK.	2/32	2/32
P. H.	9.6	9.0

MUD & CHEM. ADDED

Type	Amount

DRLG. CREW PAYROLL

	Hrs.
DRILLER [illegible]	8
DERRICK [illegible]	8
MOTOR [illegible]	8
HELPER [illegible]	8
HELPER [illegible]	8
HELPER	
HELPER	

EVENING TOUR

IN HOLE — END OF TOUR

No.	Pipe Size	Feet		
46	STAND. D.P.	4½	4353.71	
1	SNGLS. D.P.		30.46	
17	LNGTH. CLRS.		493.76	
	KELLY IN		16.99	
2	OTHER Subs		3.83	
	TOTAL		4699.00	

DRILL COLLARS

No.	Diameter	Lgth.
17	6"	493.76

BIT RECORD

RUN No.	32	33
SIZE	8¾	8¾
MFG.	REED	REED
TYPE	YM	YH
SER. No.	206257	203693
DEPTH OUT	4649	4699
HOURS RUN	19½	
FOOTAGE	50	
REAMER CUTTER No.		
TYPE		

TIME

From	To
4.00	5.15
5.15	5.30
5.30	8.45
8.45	9.00
9.00	12.00

DRILLED

From	To
4687	
	4699

FORMATION AND EXPLANATION

DRLG.
SERVICE R.G. + V B.O.Ps.
DRLG
DROP SURVEY
2 JTS KELLY & TRIP.

DEVIATION

Depth	Degrees
4699	2¼°

MUD RECORD

TIME	
WT.	10.5
VISC.	115
W. L. CC.	4.8
FLTR. CK.	3/32
P. H.	9.0

MUD & CHEM. ADDED

Type	Amount

DRLG. CREW PAYROLL

	Hrs.
DRILLER A. GOOCH	8
DERRICK MAN E. FRANKS	8
MOTOR MAN [illegible]	8
HELPER W. SPENCE	8
HELPER H. REEVES	8
HELPER	
HELPER	

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

AUTO-DRILLER ST. WT 100,000

CHANGED OIL & FILTERS IN DRAWOK #1 #2 #3

SLUSH PUMP RECORD

	Morning Tour	Day Tour	Evening Tour
PUMP PRES	700 PSI	750 PSI	750 PSI
ROT. R.P.M.	65	65	65
POINTS WT	12-13	12-13	14
LINER SIZE	6½	6"	6"

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 46 DAY FROM SPUD DATE

WELL Celibeta #5 | COMPANY Home Oil | RIG No. 26 | DATE Feb 12/62

LSD. | SEC | TWP | RNGE | W/ MER. | PROVINCE NWT | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

No.	Pipe Size	Feet
45	STAND. D.P. 4½	4062.23
2	SNGLS. D.P.	61.36
17	LNGTH. CLRS.	493.76
	KELLY IN	17.00
2	OTHER Subs	3.83
	TOTAL	4639.18

DRILL COLLARS

No.	Diameter	Lgth.
17	6"	493.76

BIT RECORD

RUN No.	31
SIZE	9 3/4
MFG.	Reed
TYPE	YH
SER. No.	736036
DEPTH OUT	—
HOURS RUN	4
FOOTAGE	4 Ream
REAMER CUTTER No.	-3 Drlg
TYPE	

Time From	Time To	Drilled From	Drilled To	Formation and Explanation
12:00	12:15	4569		Rig Service Check BOP
12:15	6:45		4605	Ream 6½" Rathole
6:45	8:00	4605	4608	Drlg.

DEVIATION

Depth	Degrees
Caustic 100	

MUD RECORD

Time	2:00	6 P
Wt.	10.3	10.4
Visc	118	120
W. L. cc.	4.7	4.5
Fltr. Ck.	2/32	2/32
P. H.	9.0	9.5

MUD & CHEM. ADDED

Type	Amount
Super H	750
Drilcide	150
Drayflo	100

DRLG. CREW PAYROLL

	Hrs.
Driller G. Aylsworth	8
Derrick Man J. Scott	8
Motor Man J. Peet	8
Helper M. Lyons	8
Helper K. Robertson	8
Helper	
Helper	

DAY TOUR

IN HOLE — END OF TOUR

No.	Pipe Size	Feet
45	STAND. D.P. 4½	4062.23
2	SNGLS. D.P.	61.36
17	LNGTH. CLRS.	493.76
	KELLY IN	17.00
2	OTHER Subs	3.83
	TOTAL	4638.18

DRILL COLLARS

No.	Diameter	Lgth.
17	6"	493.76

BIT RECORD

RUN No.	31
SIZE	9 3/4
MFG.	Reed
TYPE	YH
SER. No.	736036
DEPTH OUT	
HOURS RUN	16¾
FOOTAGE	46 Ream
REAMER CUTTER No.	33 Drlg
TYPE	

Time From	Time To	Drilled From	Drilled To	Formation and Explanation
8:00	8:15			Rig Service & Check BOP
8:15	4:00	4608	4638	Drlg.

DEVIATION

Depth	Degrees

MUD RECORD

Time	9:00	4 P
Wt.	10.6	10.6
Visc.	103	122
W. L. cc.	4.8	4.7
Fltr. Ck.	2/32	2/32
P. H.	9.0	9.0

MUD & CHEM. ADDED

Type	Amount
Super-Col	100#
Drilcide	50#

DRLG. CREW PAYROLL

	Hrs.
Driller Rayner Bowles	8
Derrick Man [illegible]	8
Motor Man [illegible]	8
Helper Keith Semchuk	8
Helper Harold Sepkie	8
Helper	
Helper	

EVENING TOUR

IN HOLE — END OF TOUR

No.	Pipe Size	Feet
45	STAND. D.P. 4½	4062.23
2	SNGLS. D.P.	61.36
17	LNGTH. CLRS.	493.76
	KELLY IN	27.92
2	OTHER Subs	3.83
	TOTAL	

DRILL COLLARS

No.	Diameter	Lgth.
17	6"	493.76

BIT RECORD

RUN No.	31	32
SIZE	9¾	9¾
MFG.	Reed	Reed
TYPE	YH	YM
SER. No.	736036	702250
DEPTH OUT	4649	
HOURS RUN	20½	
FOOTAGE	11 Ream	
REAMER CUTTER No.	44 Drlg	
TYPE		

Time From	Time To	Drilled From	Drilled To	Formation and Explanation
4:00	7:45	4638	4649	Drilling
7:45	8:00			Service Rig & Check BOPs.
8:00	12:00			Tripping.

DEVIATION

Depth	Degrees

MUD RECORD

Time	4 P	
Wt.	10.6	
Visc	120	
W. L. cc.	4.2	
Fltr. Ck.	2/32	
P. H.	9.5	

MUD & CHEM. ADDED

Type	Amount
Super-Col	900#
Drilcide	150#

DRLG. CREW PAYROLL

	Hrs.
Driller A. Gorak	8
Derrick Man S. Turner	8
Motor Man E. Kolluck	8
Helper W. Semchuk	8
Helper H. Berger	8
Helper	
Helper	

REMARKS (REPAIRS, ACCIDENTS AND ETC.)

Petro-Driller, Strung at 10:00 PM

Changed oil filters in light plant - Added 2 gal Prestone to Loader

SLUSH PUMP RECORD

Morning Tour		Day Tour		Evening Tour	
Pump Pres.	700 PSI	Pump Pres.	700 PSI	Pump Pres.	700 PSI
Rot. R.P.M.	65	Rot. R.P.M.	65	Rot. R.P.M.	65
Points Wt.	12	Points Wt.	12	Points Wt.	12
Liner Size	6"	Liner Size	6"	Liner Size	6"

BRINKERHOFF DRILLING COMPANY LTD.
CALGARY EDMONTON

THIS IS THE 45 DAY FROM SPUD DATE

WELL CELIBETA #5 | COMPANY HOME OIL | RIG NO 26 | DATE FEB 11/61
LSD SEC TWP RNGE W/ MER | PROVINCE NWT | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO	PIPE SIZE	FEET
44	STAND. D.P	3921.05
Core	BRAND D.P	63.50
17	LNGTH. CLRS.	493.75
	KELLY IN	41.00
2	OTHER	3.83
	TOTAL	4575.04

DRILL COLLARS

NO.	DIAMETER	LGTH.
17	6"	493.

BIT RECORD

RUN NO.	30
SIZE	6 1/8
MFG.	Rycome
TYPE	◇
SER. NO.	3392
DEPTH OUT	——
HOURS RUN	3 3/4
FOOTAGE	16
REAMER CUTTER NO.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
12:00	12:30			FINISH OUT
12:30	12:45			RIG SERVICE. CHECK BOP OK
12:45	2:00			PICK UP & MAKE UP ◇ CORE BBL.
2:00	3:45			RUN IN.
3:45	4:15			CIRC.
4:15	7:00	4559	4575	CUT CORE 2.

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	5 PM	
WT.	10.1	
VISC.	133	
W. L. CC.	9.6	
FLTR. CK.	2.5	
P. H.	9.5	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER G. A. WALKER	8
DERRICK MAN J. SMITH	8
MOTOR MAN J. POCH	8
HELPER M. LYONS	8
HELPER K. [illegible]	8
HELPER	
HELPER	

DAY TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
44	STAND. D.P.	3973.05
1	ENGLS. D.P.	39.27
17	LNGTH. CLRS.	493.75
	KELLY IN	41.00
Core 2	OTHER	5.83
	TOTAL	4552.90

DRILL COLLARS

No.	DIAMETER	LGTH.
17	6"	493.75

BIT RECORD

RUN NO.	30
SIZE	6 1/8
MFG.	HYCALOG
TYPE	◇
SER. NO.	2280
DEPTH OUT	4605
HOURS RUN	11 1/2
FOOTAGE	41.0
REAMER CUTTER NO.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
8:00	3:45	4575	4605	CUTTING CORE #2 ◇
3:45	4:00			HOIST OUT OF HOLE & LOAD KELLY.

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	9.00	2:00
WT.	10.6	10.6
VISC.	120	127
W. L. CC.	4.8	4.8
FLTR. CK.	2.5	2.5
P. H.	9.5	9.5

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER Richard Lourie	8
DERRICK MAN [illegible]	8
MOTOR MAN Bob Ferris	8
HELPER Keith Locke	8
HELPER Gerald Squirl	8
HELPER E. H. Kobluk	8
HELPER	

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	[illegible]
2	SNGLS. D.P.	[illegible]
17	LNGTH. CLRS.	[illegible]
	KELLY IN	[illegible]
2	OTHER	[illegible]
	TOTAL	[illegible]

DRILL COLLARS

No	DIAMETER	LGTH

BIT RECORD

RUN NO.	31
SIZE	9 3/4
MFG.	[illegible]
TYPE	[illegible]
SER. NO.	[illegible]
DEPTH OUT	
HOURS RUN	[illegible]
FOOTAGE	[illegible]
REAMER CUTTER NO.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
4:00	5:45			[illegible]
5:45	8:30			[illegible]
[illegible]				[illegible]
[illegible]				[illegible]
[illegible]				[illegible]

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER [illegible]	
DERRICK [illegible]	
MOTOR MAN [illegible]	
HELPER [illegible]	
HELPER [illegible]	
HELPER	
HELPER	

REMARKS (REPAIRS, ACCIDENTS AND ETC.)
Auto-Driller in Operation Tripping out Boom

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	1600 PSI	PUMP PRES	PSI	PUMP PRES	PSI
ROT. R.P.M.	75	ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.	45	POINTS WT.		POINTS WT.	
LINER SIZE	5 1/2"	LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 44 DAY FROM SPUD DATE

WELL: CELIDETH #5 | LSD | SEC | TWP | RNGE | W | MER | COMPANY: Home Oil | PROVINCE: D. WT | RIG NO: 2 | TOOL PUSHER: [illegible] | DATE: FEB 10/61

MORNING TOUR

IN HOLE — END OF TOUR

NO	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN NO.	
SIZE	
MFG.	
TYPE	
SER. NO.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER NO.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
12:00	12:30			C.I.R.C.
12:30	2:00			HOIST
2:00	2:15			RIG SERVICE. CHECK B.O.P.
2:15	6:00			MAKE up & RUN in STRADDLE PACKER
1:00	8:00			TESTING.

DST #3 2466 - 2496 11¼" SINGLE STRADDLE. B.P.

INITIAL SHUTIN. 30 MINS 60 MINS FLOW 30 MINS FINAL SHUTIN

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	
WT.	
VISC	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT
JOHNSTON	

DRLG. CREW PAYROLL

	HRS.
DRILLER: C. H. WALKER	
DERRICK MAN: J. SMITH	8
MOTOR MAN: J. PECK	8
HELPER: M. LYONS	8
HELPER: K. ROBINSON	8
HELPER	
HELPER	

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
JN	STAND. D.P.	3971.57
2	SNGLS. D.P.	59.99
17	LNGTH. CLRS.	493.16
	KELLY IN	25.00
2	OTHER SNGLS	32.83
	TOTAL	4584.04

DRILL COLLARS

No.	DIAMETER	LGTH.
17	6"	493.16

BIT RECORD

RUN NO.	29B
SIZE	9¾"
MFG.	REED
TYPE	FM
SER. NO.	62318
DEPTH OUT	—
HOURS RUN	11½
FOOTAGE	
REAMER CUTTER NO.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
8:00	8:30			FINAL SHUTIN 30 MIN.
8:30	11:00			HOISTING PACKER.
11:00	1:30			BREAK DOWN PACKER & HOIST TAIL PIPE 1857
1:30	3:45			CHECK BLIND RAMS & RUN in HOLE
3:45	4:00	4554.		DRLG

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER: [illegible]	
DERRICK MAN: [illegible]	8
MOTOR MAN: [illegible]	8
HELPER: KEITH SMOKE	8
HELPER: [illegible]	8
HELPER: [illegible]	8
HELPER	

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
2	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No	DIAMETER	LGTH.

BIT RECORD

RUN NO.	
SIZE	
MFG.	
TYPE	
SER. NO.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER NO.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
4:30	5:00		4559	DRILLING
5:00	10:00			CIRC - Sample & Condition mud
10:00	[illegible]			LAY d.p. & Cat Out

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	6:30	9:30
WT.	10.2	10.2
VISC.	120	115
W. L. CC.	5.2	4.1
FLTR. CK.	[illegible]	[illegible]
P. H.	[illegible]	[illegible]

MUD & CHEM. ADDED

TYPE	AMOUNT
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

DRLG. CREW PAYROLL

	HRS.
DRILLER: [illegible]	8
DERRICK MAN: [illegible]	8
MOTOR MAN: [illegible]	8
HELPER: [illegible]	8
HELPER: [illegible]	8
HELPER	
HELPER	

REMARKS (REPAIRS, ACCIDENTS AND ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	600 PSI
POT. R.P.M.		POT. R.P.M.		POT. R.P.M.	55
POINTS WT.		POINTS WT.		POINTS WT.	4
MUD & CO.		LINER SIZE		LINER SIZE	6"

BRINKERHOFF DRILLING COMPANY LTD.
CALGARY EDMONTON

THIS IS THE 43rd DAY FROM SPUD DATE

WELL CELIBETA #5 | COMPANY HOME OIL | RIG NO 26 | DATE FEB. 9/61
LSD SEC TWP RNGE W MER | PROVINCE NWT | TOOL PUSHER [illegible]

MORNING TOUR

IN HOLE — END OF TOUR

NO	PIPE SIZE	FEET
44	STAND. D.P.	3971.57
2	SNGLS. D.P.	57.98
17	LNGTH. CLRS.	493.76
	KELLY IN	25.00
2	OTHER Subs	3.89
	TOTAL	4553.94

DRILL COLLARS

NO	DIAMETER	LGTH.
17	6"	493.

BIT RECORD

RUN NO.	29A	29B
SIZE	8 1/4	8 1/4
MFG.	REED	REED
TYPE	YT3	YM
SER. NO.	RR	MD 2348
DEPTH OUT	4554	4554
HOURS RUN	6 1/2 Hrs	Out
FOOTAGE	Out	Run 4
REAMER CUTTER NO.		
TYPE	2750	

TIME FROM	TO	DRILLED FROM	TO
12:00	12:30	4554	
12:30	12:45		
12:45	2:30		
2:30	7:15		
7:15	8:00		

FORMATION AND EXPLANATION

Finish out w/12¼
Rig Services Check BOP ok
Run in w/8¾.
Circ. Remove Loscum material.
Hoist.

DEVIATION

DEPTH	DEGREES

MUD RECORD

	5:00	7:00
TIME		
WT.	10.7	10.8
VISC.	50	50
W. L. CC.	4.6	
FLTR. CK.	3/1	
P. H.	9.0	

MUD & CHEM. ADDED

TYPE	AMOUNT
Diacel	3 sx
Drispac	5 lb
Lignite	100 lb

DRLG. CREW PATROL

		HRS.
DRILLER	G.A. Walker	8
DERRICK MAN	T. Smith	8
MOTOR MAN	J. Poch	8
HELPER	M. Lyons	8
HELPER	K. Robinson	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
33	STAND. D.P.	3966
2	SNGLS. D.P.	57.98
17	LNGTH. CLRS.	493.76
	KELLY IN	41.00
2	OTHER Subs	3.89
	TOTAL	4564

DRILL COLLARS

NO.	DIAMETER	LGTH.
17	6"	493.76

BIT RECORD

RUN NO.	29B
SIZE	8 1/4
MFG.	REED
TYPE	YM
SER. NO.	MD 2348
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER NO.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO
8:00	8:15		
8:15	8:30		
8:30	1:30		
1:30	2:00		
2:00	4:00		

FORMATION AND EXPLANATION

Finish Hoisting
Rig Service & Check BOP
Circ. 22 stds off Bottom - Remove
last circ material. @ 2674
Run in w/8¾ & circ @ 3664.
Circ.

DEVIATION

DEPTH	DEGREES

MUD RECORD

	8:00	4:00
TIME		
WT.	10.8	10.8
VISC.	111	108
W. L. CC.	4.8	4.2
FLTR. CK.	2/32	2/32
P. H.	8.5	8.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Service Hoist	
Soda Ash	3 sx
Lignite	100 lb

DRLG. CREW PAYROLL

		HRS.
DRILLER	[illegible]	
DERRICK MAN	[illegible]	
MOTOR MAN	[illegible]	
HELPER	[illegible]	
HELPER	[illegible]	
HELPER	[illegible]	
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN NO.	
SIZE	
MFG.	
TYPE	
SER. NO.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER NO	
TYPE	

TIME FROM	TO	DRILLED FROM	TO
4:00	4:15		
4:15	7:15		

FORMATION AND EXPLANATION

Service R.C. & BOP
Circ - Remove last circ material
@ 2811'
Run in to Bottom
Circ & Cond
Trip out to 3664'
Circ

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER		
DERRICK MAN		
MOTOR MAN		
HELPER		
HELPER		
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS, AND ETC.)
Good tripout. Mud last to correction

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY EDMONTON

THIS IS THE 42nd DAY FROM SPUD DATE

WELL Celibeta #5 | COMPANY Home Oil | RIG NO. 26 | DATE FEB 8/64

LSD. SEC. TWP. RNGE. W MER. | PROVINCE NWT | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.			
SIZE			
MFG.			
TYPE			
SER. No.			
DEPTH OUT			
HOURS RUN			
FOOTAGE			
REAMER CUTTER No.			
TYPE			

TIME

FROM	TO
12:00	1:00
1:00	8:00

DRILLED

FROM	TO

FORMATION AND EXPLANATION

Logging
Wait on R.A. tool

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	G. Dubeau	8
DERRICK MAN	John Smith	8
MOTOR MAN	Joe Pico	8
HELPER	N. Lyons	8
HELPER	K. Robichaud	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.			
SIZE			
MFG.			
TYPE			
SER. No.			
DEPTH OUT			
HOURS RUN			
FOOTAGE			
REAMER CUTTER No.			
TYPE			

TIME

FROM	TO
4:00	2:45
2:45	4:00

DRILLED

FROM	TO

FORMATION AND EXPLANATION

Wait on R.A. tool while Tech
Functions 20 hrs.

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	[illegible]	
DERRICK MAN	[illegible]	
MOTOR MAN	[illegible]	
HELPER	[illegible]	
HELPER	[illegible]	
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
15	STAND. D.P.	278.61
3	SNGLS. D.P.	
17	LNGTH. CLRS.	102.72
	KELLY IN	31.00
24	OTHER	6.92
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.
12	8	360

BIT RECORD

RUN No.	32		
SIZE	12¼		
MFG.	Security		
TYPE	S-88		
SER. No.	[illegible]		
DEPTH OUT			
HOURS RUN			
FOOTAGE			
REAMER CUTTER No.			
TYPE			

TIME

FROM	TO
4:00	7:30
7:30	9:15
9:15	11:15
1:15	12:00

DRILLED

FROM	TO

FORMATION AND EXPLANATION

Logging
Run in w/12¼ Bit to 2750' S.M.
Circ.
Log Tops

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	[illegible]	8
DERRICK MAN	[illegible]	8
MOTOR MAN	[illegible]	8
HELPER	[illegible]	8
HELPER	[illegible]	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 4/st DAY FROM SPUD DATE

WELL Cellreta #5 | COMPANY Home Oil | RIG NO 26 | DATE Feb 7/61

LSD | SEC | TWP | RNGE | W/ MER. | PROVINCE NWT | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
44	STAND. D.P.	3971.57
2	SNGLS. D.P.	59.86
17	LNGTH. CLRS.	492.76
	KELLY IN	40'
	OTHER	3.23
	TOTAL	4526.42

DRILL COLLARS

NO.	DIAMETER	LGTH.
17	6"	492.76

BIT RECORD

RUN NO.	29
SIZE	8 3/4
MFG.	Reed
TYPE	YM
SER. NO	No 2316
DEPTH OUT	
HOURS RUN	
FOOTAGE	28.
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
12:00	12:15			Rig Service. Check BOP.
12:15	1:15	4548	4554	Drlg.
1:15			4564	Lost circ. Mix conditioner and Full circ. Regained
	2:00			Circ.
2:00	8:00			

DEVIATION

DEPTH	DEGREES
22	Full Pipe
50	Dropped

MUD RECORD

	TIME	3:00	8:00
	WT.	10.5	10.5
	VISC.	140	150
	W. L. CC	6.0	4.8
	FLTR. CK.	2/1	2/1
	P. H.	7.0	7.0

MUD & CHEM. ADDED

TYPE	AMOUNT
Caustic	1300
Drispac	50
Lignox	150

DRLG. CREW PAYROLL

		HRS.
DRILLER	G.H. Walker	8
DERRICK MAN	John Smith	8
MOTOR MAN	Joe Poch	8
HELPER	Neelin Lyons	8
HELPER	Kieth Robinson	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
44	STAND. D.P.	3971.57
2	SNGLS. D.P.	59.86
17	LNGTH. CLRS.	492.76
	KELLY IN	40.00
2	OTHER Subs	3.23
	TOTAL	4526.42

DRILL COLLARS

NO.	DIAMETER	LGTH.
17	6"	492.76

BIT RECORD

RUN NO.	29
SIZE	8 3/4
MFG.	Reed
TYPE	YM
SER. NO.	No 2316
DEPTH OUT	
HOURS RUN	6
FOOTAGE	28
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
8:00	9:15			Rig service & circ. Bob circ. wait to log.
9:15	4:00			

DEVIATION

DEPTH	DEGREES

MUD RECORD

	TIME	8:00	4:00
	WT.	10.5	10.5
	VISC.	140	150
	W. L. CC.	6.0	4.8
	FLTR. CK.	2/1	2/1
	P. H.	7.0	7.0

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	Gerald Lance	8
DERRICK MAN	Art McConnell	8
MOTOR MAN	Joe Poch	8
HELPER	Keith Lambe	8
HELPER	Andrew Goodall	8
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
44	STAND. D.P.	3971.57
2	SNGLS. D.P.	59.86
17	LNGTH. CLRS.	492.76
	KELLY IN	40.00
2	OTHER Subs	3.23
	TOTAL	4526.42

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN NO.	29
SIZE	8 3/4
MFG.	Reed
TYPE	YM
SER. No	No 2316
DEPTH OUT	4554
HOURS RUN	
FOOTAGE	28
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4:00	7:15			Pull out & Check for Lost Circ 1/2 Hr Pull up
				Wait for Schlumberger
7:15	9:00			Log Well
9:00	12:00			

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	Andrew Goodall	8
DERRICK MAN	Ed Turnee	8
MOTOR MAN	R.L. Ferris	8
HELPER	Walter Spreeuw	8
HELPER	Lloyd Briggs	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

Lost Approx 200 bbls to formation @ 4533

String wt 92000 # Automatic Driller in use

Changed air & filters in D13000 #1 #2 #3 Changed oil in Air Compressors

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 40th DAY FROM SPUD DATE

WELL Celsita #5 | COMPANY Home Oil | RIG NO. 26 | DATE Feb 6/61

LSD. | SEC | TWP | RNGE. | W/ MER. | PROVINCE Alta. | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
44	STAND. D.P.	3911.7
1	SNGLS. D.P.	30.23
17	LNGTH. CLRS.	493.26
	KELLY IN	
2	OTHER	3.83
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.
11	6"	333.76

BIT RECORD

RUN NO.	28
SIZE	8¾
MFG.	REED
TYPE	YM
SER. NO.	No 234
DEPTH OUT	4526
HOURS RUN	22½
FOOTAGE	93
REAMER CUTTER NO.	
TYPE	

TIME

FROM	TO
1200	DAS
1215	400
400	600
600	730
730	800

DRILLED FROM 4526 TO

FORMATION AND EXPLANATION

Rig Service
Circ to test.
Hoist.
Make up Packer.
Running in

DEVIATION

DEPTH	DEGREES
Dupe 50	

MUD RECORD

TIME	3-30
WT.	10.3
VISC.	45
W. L. CC.	4.6
FLTR. CK.	3/32
P. H.	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT
Caustic	50
Lime	100
Super Vis.	100

DRLG. CREW PAYROLL

		HRS
DRILLER	G.H. Warke.	8
DERRICK MAN	Tool Service.	8
MOTOR MAN	Joe Hoch.	8
HELPER	Dewey Lewis	8
HELPER	Ken [illegible]	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN NO.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME

FROM	TO
800	915
915	915
915	1200
1200	230
230	400

DRILLED FROM TO

FORMATION AND EXPLANATION

Rig service & lubricate Rig.
Run tools in @ the start
Test tools. Initial shut in 30 min. open
Tool 1/8" - Final shut in 60 min
Hoist tools - Packer -
Check Annulus Packer DEVIATION
Tool for Rig Service

DEPTH	DEGREES

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS
DRILLER	Kenneth [illegible]	8
DERRICK MAN	[illegible]	8
MOTOR MAN	Bob Hilton	8
HELPER	Keith [illegible]	8
HELPER	Walter Smith	8
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
22	STAND. D.P.	3971.2
2	SNGLS. D.P.	59.29
17	LNGTH. CLRS.	493.26
	KELLY IN	12.34
	OTHER	2.23
	TOTAL	4537.12

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN NO.	28
SIZE	8¾
MFG.	REED
TYPE	YM
SER. No.	[illegible]
DEPTH OUT	
HOURS RUN	5
FOOTAGE	[illegible]
REAMER CUTTER No	
TYPE	

TIME

FROM	TO
400	515
515	530
[illegible]	[illegible]
600	1200

DRILLED FROM TO US 2145 4

FORMATION AND EXPLANATION

Finish Packer & Lockings
Out Packer
Strike R.C. & Circ 2 DP
Kill
Tallying

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	6:30
WT.	10.7
VISC.	45
W. L. CC.	5.4
FLTR. CK.	3/32
P. H.	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT
CAUSTIC	100 lbs
WATER	

DRLG. CREW PAYROLL

		HRS
DRILLER	Andrew Gooch	8
DERRICK MAN	Ed. Tucker	8
MOTOR MAN	Ken Curts	8
HELPER	[illegible]	8
HELPER	[illegible]	8
HELPER		
HELPER		

REMARKS (REPAIRS ACCIDENTS AND ETC.)

Johnston Testers - Interval 4446 — 4526 - Dual 7½" Bobtail Packer
60' Tail Pipe — 2360' salt water
Automatic Drilling in use

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY EDMONTON

THIS IS THE ... DAY FROM SPUD DATE

WELL | COMPANY | RIG NO. | DATE

LSD | SEC | TWP | RNGE | W/ MER. | PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
44	STAND. D.P.	1351.57
	SNGLS. D.P.	
17	LNGTH. CLRS.	492.76
	KELLY IN	22
2	OTHER SUBS	2.83
	TOTAL	4469.16

DRILL COLLARS

NO.	DIAMETER	LGTH.
17	6"	492.76

BIT RECORD

RUN NO.	28
SIZE	8¾"
MFG	REED
TYPE	HP51
SER. NO.	162286
DEPTH OUT	—
HOURS RUN	12¼
FOOTAGE	58
REAMER CUTTER NO.	
TYPE	

TIME

FROM	TO
1145	1230

DRILLED

FROM	TO
4460	4462

FORMATION AND EXPLANATION

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	2:00 PM	AM
WT.	10.3	10.3
VISC.	42	45
W. L. CC.	6.4	6.8
FLTR. CK.	2/32	2/32
P. M.	9.0	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT
CAUSTIC	50 #
LIGNITE	100 #
WATER	

DRLG. CREW PAYROLL

	HRS
DRILLER L. P. WHITE	8
DERRICK MAN JOHN SMITH	8
MOTOR MAN JOE McCOY	8
HELPER PIERRE LYONS	8
HELPER KEITH ROBINSON	8
HELPER	
HELPER	

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE 4½"	FEET
44	STAND. D.P.	3971.57
1	SNGLS. D.P.	30.33
17	LNGTH. CLRS.	492.76
	KELLY IN	22.00
2	OTHER SUBS	3.83
	TOTAL	4521.49

DRILL COLLARS

NO.	DIAMETER	LGTH.
17	6"	492.76

BIT RECORD

RUN NO.	28
SIZE	8¾"
MFG.	REED
TYPE	HP51
SER. NO.	162286
DEPTH OUT	—
HOURS RUN	21
FOOTAGE	59
REAMER CUTTER NO.	
TYPE	

TIME

FROM	TO
800	815
815	400

DRILLED

FROM	TO
4491	4521

FORMATION AND EXPLANATION

Rig service & check BOP.
DRLG 8¾" Hole.

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	9.00 AM	3.00 PM
WT.	10.2	10.2
VISC.	100	112
W. L. CC.	4.8	5.0
FLTR. CK.	2/32	2/32
P. M.	9.0	9.5

MUD & CHEM. ADDED

TYPE	AMOUNT
SUPERCAL	200 #
BARACARB	100 #
BENTONITE	200 #
CAUSTIC	50 #

DRLG. CREW PAYROLL

	HRS
DRILLER Richard Lavoie	8
DERRICK MAN Art McCallum	8
MOTOR MAN Bob Atkins	8
HELPER Keith Sveda	8
HELPER Linda Sayer	8
HELPER	
HELPER	

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE 4½"	FEET
44	STAND. D.P.	3971.57
1	SNGLS. D.P.	30.33
17	LNGTH. CLRS.	492.76
	KELLY IN	22.00
2	OTHER Subs	3.83
	TOTAL	4521.49

DRILL COLLARS

NO.	DIAMETER	LGTH.
17	6"	492.76

BIT RECORD

RUN NO.	28
SIZE	8¾"
MFG.	REED
TYPE	HP51
SER. NO.	162286
DEPTH OUT	—
HOURS RUN	22¾
FOOTAGE	59
REAMER CUTTER NO.	
TYPE	

TIME

FROM	TO
400	530
530	545
545	600
600	
0 - 1200	

DRILLED

FROM	TO
4521	4580

FORMATION AND EXPLANATION

Drilling
Drop Survey
See Driller's log for
Time breakdown

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	5:30
WT.	10.2
VISC	
W. L. CC.	
FLTR. CK.	
P. M.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS
DRILLER Andrew Gould	8
DERRICK MAN Ed Tucker	8
MOTOR MAN Bill Cross	8
HELPER Wayne Sowden	8
HELPER Larry Lange	8
HELPER	
HELPER	

REMARKS (REPAIRS, ACCIDENTS AND ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	750 PSI	PUMP PRES	PSI
ROT. R.P.M.		ROT. R.P.M.	75-185	ROT. R.P.M.	
POINTS WT.		POINTS WT.	13 - 12	POINTS WT.	
LINER SIZE		LINER SIZE	5½"	LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE ... DAY FROM SPUD DATE

WELL | COMPANY | RIG No. 2 | DATE

LSD | SEC | TWP | RNGE | W/ MER | PROVINCE | TOOL PUSHER S. L.

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
43	STAND. D.P	3981.88
1	SNGLS. D.P	30.85
	LNGTH. CLRS	493.76
	KELLY IN	23
	OTHER	3 PUP
	TOTAL	4433.31

DRILL COLLARS

NO.	DIAMETER	LGTH.
17	6"	493.76

BIT RECORD

RUN NO.	2
SIZE	8¾
MFG.	REED
TYPE	4M
SER. NO.	206496
DEPTH OUT	4433
HOURS RUN	23½
FOOTAGE	90
REAMER CUTTER NO.	
TYPE	

MORNING TOUR

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
1:00	3:30	4343	4433	Drlg.
3:30	5:00			Trip out Drlg. for Leaky oil Master Clutch
5:00	7:00			

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	7:00
WT.	10.5
VISC	80
W. L. CC.	8.2
FLTR. CK.	2/32
P. H.	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER Andrew Goruk	8
DERRICK MAN E. Turner	8
MOTOR MAN Bill Ferris	8
HELPER Wayne Sorensen	8
HELPER Harry Beggs	8
HELPER	
HELPER	

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
43	STAND. D.P	3981.88
1	SNGLS. D.P	30.85
	LNGTH. CLRS	493.76
	KELLY IN	
	OTHER	38
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.
17	6"	493.76

BIT RECORD

RUN NO.	2B
SIZE	8¾
MFG.	REED
TYPE	4M
SER. NO.	206496
DEPTH OUT	—
HOURS RUN	
FOOTAGE	
REAMER CUTTER NO.	
TYPE	

DAY TOUR

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
9:00	8:15			Service & check BOP
8:15				Work on Clutch &
	2:00			change to 6" lbs thico
				TBXD.
2:00	3:45			w/i Trimaster Clutch Assembly
3:45	4:00			Placing New Master
				Clutch Assembly Together

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

	HRS.
DRILLER G H Walker	8
DERRICK MAN John Scott	8
MOTOR MAN Joe Fagan	8
HELPER Merrill Lyons	8
HELPER Keith Robinson	8
HELPER	
HELPER	

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
2	STAND. D.P	3981.88
2	SNGLS. D.P	59.63
17	LNGTH. CLRS.	493.76
	KELLY IN	24.00
2	OTHER SUBS.	3.63
	TOTAL	4460.10

DRILL COLLARS

NO.	DIAMETER	LGTH.
17	6"	493.76

BIT RECORD

RUN NO.	3B
SIZE	8¾
MFG.	REED
TYPE	4M
SER. NO.	HO2346
DEPTH OUT	
HOURS RUN	5½
FOOTAGE	27
REAMER CUTTER NO.	
TYPE	

EVENING TOUR

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4:00	4:45			Finish Assembling New
				Master Clutch.
4:45	6:30	4433		Finish Run in Hole.
6:30	12:00	4433	4460	DRLG 8¾" Hole

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	8:00 / 12:00
WT.	10.6 / 10.6
VISC.	91 / 125
W. L. CC	5.0 / 5.0
FLTR. CK.	2/32 / 2/32
P. H.	9.6 / 9.6

MUD & CHEM. ADDED

TYPE	AMOUNT
SUPERCOL 40#	
Dowcide 1 qt	

DRLG. CREW PAYROLL

	HRS.
DRILLER Richard Kowalchuk	8
DERRICK MAN Pat McCallum	8
MOTOR MAN Bob Atkins	8
HELPER Keith Sable	8
HELPER Arnold Cayen	8
HELPER	
HELPER	

REMARKS - REPAIRS, ACCIDENTS AND ETC.

Automatic Driller in use

Change Rebuilt Clutch on D-9 from 6½ to 6"

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	950 PSI	PUMP PRES	PSI	PUMP PRES	750 PSI
ROT. R.P.M	100	ROT. R.P.M		ROT. R.P.M	100
POINTS WT	10	POINTS WT		POINTS WT	12
LINER SIZE	6½	LINER SIZE		LINER SIZE	6"

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE DAY FROM SPUD DATE

WELL | COMPANY | RIG NO | DATE

LSD | SEC | TWP | RNGE | W/ MER | PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO	PIPE SIZE	FEET
	STAND D.P	
2	SNGLS D.P	6.00
	LNGTH. CLRS.	443.76
	KELLY IN	14.67
	OTHER Subs	3.93
2	TOTAL	4218.03

DRILL COLLARS

NO	DIAMETER	LGTH.
17	6	443.76

BIT RECORD

RUN NO.	27
SIZE	7 7/8
MFG.	REED
TYPE	Y-M
SER. NO	206492
DEPTH OUT	
HOURS RUN	4 3/4
FOOTAGE	21
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
12	1:30			FINISH TRIPPING
1:30	1:45			SERVICE RIG & CHECK B.O.P.
1:45	3:15			RIG UP
3:15	8:00	4343	4364	DRILLING

DEVIATION: DEPTH | DEGREES

MUD RECORD

TIME	
WT	10.2
VISC	105
W. L. CC.	6.4
FLTR. CK.	2/32
P. H.	8.5

MUD & CHEM. ADDED: TYPE | AMOUNT — WATER

DRLG. CREW PAYROLL | HRS.

DRILLER	ANDREW SCRUK	8
DERRICK MAN	ED TURNER	8
MOTOR MAN	BILL GEERS	8
HELPER	WALTER SORENSEN	8
HELPER	HARRY BRIGGS	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
43	STAND. D.P	3991.68
	SNGLS. D.P.	
17	LNGTH. CLRS.	443.76
	KELLY IN	13.00
2	OTHER Subs	3.93
	TOTAL	4452.37

DRILL COLLARS

NO.	DIAMETER	LGTH.
17	6"	443.76

BIT RECORD

RUN NO.	27
SIZE	7 7/8
MFG.	REED
TYPE	Y-M
SER. No.	206492
DEPTH OUT	
HOURS RUN	13 1/2
FOOTAGE	49
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
6:00	8:15	4364		Rig Service Check B.O.P.
8:15	6:00		4392	Drlg.

DEVIATION: DEPTH | DEGREES

MUD RECORD

TIME	10:45	5:00
WT.	10.8	10.8
VISC	100	110
W. L. CC.	4.8	4.8
FLTR. CK.	2/32	2/32
P. H.	9.5	9.0

MUD & CHEM. ADDED: TYPE | AMOUNT — DISCOSE 100; SUPERCOL 500; CAUSTIC SODA 50 - 100

DRLG. CREW PAYROLL | HRS.

DRILLER	C. D. WALKER	8
DERRICK MAN	JOHN SORENSEN	8
MOTOR MAN	JOE POPP	8
HELPER	MERRILL LYONS	8
HELPER	KEITH ROBINSON	8
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
43	STAND. D.P	3991.68
	SNGLS. D.P.	
17	LNGTH. CLRS.	443.76
	KELLY IN	13.00
2	OTHER Subs	3.93
	TOTAL	4452.37

DRILL COLLARS

NO.	DIAMETER	LGTH.
17	6"	443.76

BIT RECORD

RUN NO.	27
SIZE	7 7/8
MFG	REED
TYPE	Y-M
SER. NO	206492
DEPTH OUT	
HOURS RUN	20 1/2
FOOTAGE	28
REAMER CUTTER NO	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4:00	4:15			Rig SERVICE & CHECK B.O.P.
4:15	12:00	4392	4419	DRLG.

DEVIATION: DEPTH | DEGREES

MUD RECORD

TIME	4:30	8:00
WT.	10.7	10.8
VISC	100	125
W. L. CC.	5.0	5.2
FLTR. CK.	2/32	2/32
P. H.	9	9.5

MUD & CHEM. ADDED: TYPE | AMOUNT

DRLG. CREW PAYROLL | HRS.

DRILLER	GEORGE HOUDE	8
DERRICK MAN	PAT McCARRON	8
MOTOR MAN	BOB ATKINS	8
HELPER	KEITH SMALE	8
HELPER	ARNOLD SAYER	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND ETC.)

Auto Driller in operation Trip at 9500

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	950 PSI	PUMP PRES	950 PSI
ROT. R.P.M		ROT. R.P.M	150	ROT. R.P.M	100
POINTS WT		POINTS WT	10	POINTS WT	10
LINER SIZE		LINER SIZE	6 1/2	LINER SIZE	6 1/2

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY EDMONTON

THIS IS THE 3rd DAY FROM SPUD DATE

WELL Celtic-Tay 5-5 | COMPANY Sun Oil | RIG NO 26 | DATE FEB 21 61

LSD | SEC | TWP | RNGE | W/ MER. | PROVINCE N.W.T. | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

No.	Pipe Size	Feet
111	4½ STAND. D.P.	3100.07
2	SNGLS. D.P.	60.05
17	LNGTH. CLRS.	592.76
	KELLY IN	34.29
2	OTHER Subs	3.83
	TOTAL	4292.80

DRILL COLLARS

No.	Diameter	Lgth.
17	6"	493.76

BIT RECORD

RUN NO.	2
SIZE	8 3/4
MFG.	REED
TYPE	YS1
SER. NO.	201422
DEPTH OUT	
HOURS RUN	8
FOOTAGE	32
REAMER CUTTER NO.	
TYPE	

Time From	Time To	Drilled From	Drilled To	Formation and Explanation
12.00	1.00	4262		Drilling
1.00	1.15			Service RG + Check BOP
1.15	3.15			Drilling
3.15	4.00			Change Gland Packing in Kelly
4.00	8.00		4292	Drilling

DEVIATION

Depth	Degrees

MUD RECORD

TIME	7 a.m.	7 p.m.
WT.	10.7	10.7
VISC.	70	105
W. L. CC.	5.0	4.2
FLTR. CK.	2/32	2/32
P. H.	10.0	10.0

MUD & CHEM. ADDED

Type	Amount
Caustic	100 lbs
Pipe Lax	50 lbs
Soda Ash	500 lbs

DRLG. CREW PAYROLL

		Hrs.
DRILLER	Andrew Gorak	8
DERRICK MAN	Ed Turner	8
MOTOR MAN	Bill Ferris	8
HELPER	Walter Sorocher	8
HELPER	Harry Seggie	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No.	Pipe Size	Feet
12	4½ STAND. D.P.	3778.11
	SNGLS. D.P.	
17	LNGTH. CLRS.	493.76
	KELLY IN	34.29
2	OTHER Subs	3.83
	TOTAL	4310.00

DRILL COLLARS

No.	Diameter	Lgth.
17	6"	493.76

BIT RECORD

RUN No.	2A
SIZE	8 3/4
MFG.	REED
TYPE	YS1
SER. No.	201422
DEPTH OUT	—
HOURS RUN	15 3/4
FOOTAGE	41
REAMER CUTTER No.	
TYPE	

Time From	Time To	Drilled From	Drilled To	Formation and Explanation
8.00	8.15			RG Serviced
8.15	4.00	4292	4321	Drlg.

DEVIATION

Depth	Degrees

MUD RECORD

TIME	8 a.m.	2 p.m.
WT.	10.7	10.7
VISC.	105	105
W. L. CC.	4.2	4.2
FLTR. CK.	2/32	2/32
P. H.	10.0	9.5

MUD & CHEM. ADDED

Type	Amount
M-I	Pipe Lax
Water	

DRLG. CREW PAYROLL

		Hrs.
DRILLER	Gerald [illegible]	8
DERRICK MAN	[illegible]	8
MOTOR MAN	[illegible]	8
HELPER	[illegible]	8
HELPER	[illegible]	8
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	Pipe Size	Feet
12	4½ STAND. D.P.	3778.11
1	SNGLS. D.P.	30.22
17	LNGTH. CLRS.	493.76
	KELLY IN	34.29
2	OTHER Subs	2.33
	TOTAL	4339.50

DRILL COLLARS

No.	Diameter	Lgth.
17	6"	493.76

BIT RECORD

RUN No.	2A
SIZE	8 3/4
MFG.	REED
TYPE	YS1
SER. No.	201422
DEPTH OUT	4343
HOURS RUN	22 1/4
FOOTAGE	22
REAMER CUTTER No.	
TYPE	

Time From	Time To	Drilled From	Drilled To	Formation and Explanation
4.00	4.30	4321	4323	Drlg 8 3/4" Hole
4.30	4.45			Rig Service & Check BOP
4.45	10.45	4323	4343	Drlg 8 3/4" Hole
10.45	11.30			Blow Kelly & Change Jaws
11.30	12.00			Hoisting & Reaming

DEVIATION

Depth	Degrees

MUD RECORD

TIME	4.30	8.30
WT.	10.7	10.8
VISC.	95	120
W. L. CC.	4.2	4.2
FLTR. CK.	2/32	2/32
P. H.	9.5	9.5

MUD & CHEM. ADDED

Type	Amount
[illegible]	

DRLG. CREW PAYROLL

		Hrs.
DRILLER	Richard Double	8
DERRICK MAN	Pat McGraw	8
MOTOR MAN	Bob Atkins	8
HELPER	Keith Smale	8
HELPER	Arnold Sauer	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND ETC.)

SLUSH PUMP RECORD

Morning Tour		Day Tour		Evening Tour	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE ... DAY FROM SPUD DATE

WELL | COMPANY | RIG NO. | DATE

LSD | SEC | TWP | RNGE | W/ MER | PROVINCE | TOOL PUSHER: Ed Langebraaten

MORNING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
48	STAND. D.P	3169.07
2	SNGLS. D.P	59.73
15	LNGTH. CLRS.	433.18
	KELLY IN	39.20
2	OTHER	3.93
	TOTAL	3705.00

DRILL COLLARS

No.	DIAMETER	LGTH.
15	6"	433.18

BIT RECORD

RUN NO.	25
SIZE	9 3/4
MFG.	Reed
TYPE	451
SER. No.	101921
DEPTH OUT	
HOURS RUN	13 1/4
FOOTAGE	38
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
12 30	12 45			Service Rig Check BOP
12 45	8 00	4212	4238	Drilling.

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	12 45	
WT.	10.2	10.2
VISC	125	110
W. L. CC.	4.2	4.8
FLTR. CK.	32	32
P. H.	10.5	10.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Drispac	50 #
Caustic	10 sks

DRLG. CREW PAYROLL — HRS.

DRILLER	Andrew J. Goode	8
DERRICK MAN	Ed. Turner	8
MOTOR MAN	Bill Ferris	8
HELPER	Walter Lorenz	8
HELPER	Henry Fowler	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
48	STAND. D.P	3769.07
	SNGLS. D.P	
15	LNGTH. CLRS.	433.18
	KELLY IN	30.
2	OTHER Subs	3.83
	TOTAL	4251.81

DRILL COLLARS

No.	DIAMETER	LGTH.
15	6"	433.18

BIT RECORD

RUN NO.	25
SIZE	9 3/4
MFG.	Reed
TYPE	451
SER. No.	No 1921
DEPTH OUT	—
HOURS RUN	21
FOOTAGE	61.
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
7 00	7 15			Rig Service Check BOP
7 15	4 00	4234	4257	Drlg. (Lower it)

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	12 00	2 00
WT.	10.2	10.2
VISC	110	110
W. L. CC.	4.7	4.7
FLTR. CK.	Tr.	3.4
P. H.	9.5	9.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Supercol	400
Drispac	50

DRLG. CREW PAYROLL — HRS.

DRILLER	G. B. Walker	8
DERRICK MAN	Frank Sabo	8
MOTOR MAN	Joe Fox	8
HELPER	Merrill Lyons	8
HELPER	Kieth Bowman	8
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
1	STAND. D.P.	3699.91
1	SNGLS. D.P.	29.82
17	LNGTH. CLRS.	493.76
	KELLY IN	36.50
2	OTHER Subs	3.83
	TOTAL	4262.82

DRILL COLLARS

No.	DIAMETER	LGTH.
17	6"	493.76

BIT RECORD

RUN NO.	25	26
SIZE	9 3/4	8 3/4
MFG.	Reed	Reed
TYPE	451	451
SER. No.	No 1921	No 1921
DEPTH OUT	4260	—
HOURS RUN	22 1/4	1
FOOTAGE	64.	2
REAMER CUTTER No		
TYPE		

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4 00	5 15	4257	4260	Drlg 8 3/4" Hole.
5 15	5 [illegible]			Rig Service. Check Kelly Hose Leak.
5 [illegible]	8 00			Hoist Wire. For Bit
8 00	9 00			Lay Down Single BHA.
9 00	11 00			Rig Down Rig Floor. Remove Kelly Bushings - Pick up 2 - 6" DCs.
				Finish Rigging Up
11 00	12 00	4260	4262	Drlg 8 3/4" Hole.

DEVIATION

DEPTH	DEGREES
4260	1 1/2 °

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER	Richard Chevrier	8
DERRICK MAN	Pat McCallum	8
MOTOR MAN	Bob Hinds	8
HELPER	Keith Snake	8
HELPER	Blake Sayers	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

Pipe wt. 89,000

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	900 PSI	PUMP PRES	800 PSI
ROT. R.P.M.		ROT. R.P.M.	92	ROT. R.P.M.	90
POINTS WT.		POINTS WT.	9	POINTS WT.	9
LINER SIZE		LINER SIZE	6 1/2	LINER SIZE	6 1/2

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 34 DAY FROM SPUD DATE

WELL: COLIBETA #5 | COMPANY: HOME OIL | RIG NO: 26 | DATE: JAN. 31/61

LSD | SEC | TWP | RNGE | W/ MER | PROVINCE: N.W.T | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO	PIPE SIZE 4½	FEET
41	STAND D.P.	3699.97
1	SNGLS D.P.	29.45
15	LNGTH. CLRS.	433.18
	KELLY IN	45.39
2	OTHER	3.93
	TOTAL	4192.00

DRILL COLLARS

NO.	DIAMETER	LGTH.
15	6"	433.18

BIT RECORD

RUN NO	24
SIZE	8¾
MFG.	REED
TYPE	FP51
SER. NO	60M28
DEPTH OUT	
HOURS RUN	15½
FOOTAGE	39
REAMER CUTTER NO.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
12.00	7.00	4162		DRLG
7.00	7.15			SERVICE RIG + CHECK B.O.P.
7.15	8.00		4182	DRLG.

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME		
WT.		
VISC		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT
DRISCOSE	50 #
SUPER-GEL	400

DRLG. CREW PAYROLL — HRS.

DRILLER	ANDREW GORUK	8
DERRICK MAN	ED. TURNER	8
MOTOR MAN	BILL FERRIS	8
HELPER	WALTER SPRIESTERSBACH	8
HELPER	HENRY BOGGS	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE 4½	FEET
41	STAND. D.P.	3699.97
1	SNGLS. D.P.	29.45
15	LNGTH. CLRS.	433.18
	KELLY IN	45.39
2	OTHER Subs	3.93
	TOTAL	4192.00

DRILL COLLARS

NO.	DIAMETER	LGTH.
15	6"	433.18

BIT RECORD

RUN No.	24
SIZE	8¾
MFG.	REED
TYPE	FP51
SER. NO	60M28
DEPTH OUT	4192
HOURS RUN	21½
FOOTAGE	53
REAMER CUTTER No	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
8.00	10.00	4182		DRLG
10	10.15			RIG SERVICE. CHECK BOP.
10.15	2.15		4195	DRLG.
2.15	4.00			HOIST.

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT
CAUSTIC & DRISCOSE	50 # 50
SUPERGEL	500
OIL EMULSION	100

DRLG. CREW PAYROLL — HRS.

DRILLER	G.A. WALKER	8
DERRICK MAN	JOHN SMITH	8
MOTOR MAN	TOM POCH	8
HELPER	MERVIN LYONS	8
HELPER	KARL PEDERSEN	8
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE 4½	FEET
41	STAND D.P.	3699.97
2	SNGLS D.P.	59.23
15	LNGTH. CLRS.	433.18
	KELLY IN	16.06
2	OTHER SUBS	3.83
	TOTAL	4212.71

DRILL COLLARS

NO.	DIAMETER	LGTH.
15	6"	433.18

BIT RECORD

RUN No.	25
SIZE	8¾
MFG.	REED
TYPE	FP51
SER. NO	60M21
DEPTH OUT	
HOURS RUN	5½
FOOTAGE	16
REAMER CUTTER NO	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
4.15	4.30			RIG SERVICE & CHECK BOPS.
4.00	4.15			FINISH HOISTING DCS.
4.30	6.30			RUN IN HOLE.
6.30	12.00	4196	4212	DRLG 8¾" HOLE

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	9.30	NOON
WT.	10.2	10.2
VISC	37	126
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT
SUPERGEL	500 #
DRISCOSE	100 #

DRLG. CREW PAYROLL — HRS.

DRILLER	RICHARD LOWELL	8
DERRICK MAN	PAT McCARRON	8
MOTOR MAN	BOB HAWKINS	8
HELPER	KEITH SOOKE	8
HELPER	RONALD SAYERS	8
HELPER		
HELPER		

REMARKS, REPAIRS, ACCIDENTS AND ETC.

AUTOMATIC DRILLER - LUBRICATED OIL & FILTERS D.P.'S & SQUEEZE

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	750 PSI	PUMP PRES	850 PSI
ROT. R.P.M.		ROT. R.P.M.	100	ROT. R.P.M.	100
POINTS WT.		POINTS WT.	5	POINTS WT.	5
LINER SIZE		LINER SIZE	6½	LINER SIZE	6½

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE . DAY FROM SPUD DATE

WELL | COMPANY | RIG No. | DATE

LSD | SEC | TWP | RNGE | W/ MER | PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
12	LNGTH. CLRS.	
	KELLY IN	40.09
1	OTHER Subs	2.24
	TOTAL	4142.88

DRILL COLLARS

NO.	DIAMETER	LGTH.
9	8"	272.33

BIT RECORD

RUN NO.	
SIZE	
MFG	
TYPE	J H
SER. NO	505454
DEPTH OUT	
HOURS RUN	7 3/4
FOOTAGE	Ream 50' 12
REAMER CUTTER NO.	Drill 23 5 3/4
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
				Tripping Bit Held
	5:00			Repair Rotary Chain
5:00	6:00			Drilling
6:00	7:00		4143	Pull out (Work Tight
7:00	8:00			Hole)

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	12	24
WT.	10.9	10.7
VISC.	145	140
W. L. CC.	4.4	4.0
FLTR. CK.	2/32	2/32
P. H.	9.5	9.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Driscose	25
Gel	580
Lime	30
Caustic	

DRLG. CREW PAYROLL

		HRS.
DRILLER	E. Drew Greig	8
DERRICK MAN	E. Turner	8
MOTOR MAN	Bill Ferris	8
HELPER	Walter Spencer	8
HELPER	Harry Priest	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
40½	STAND. D.P.	3469.89
	SNGLS. D.P.	
15	LNGTH. CLRS.	433.18
	KELLY IN	
2	OTHER Subs.	3.83
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.
15	6"	433.18

BIT RECORD

RUN NO.	24
SIZE	8¾
MFG	REED
TYPE	451
SER. NO.	801428
DEPTH OUT	
HOURS RUN	4½ Ream.
FOOTAGE	
REAMER CUTTER NO.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
8:00	9:30			Lay Singles out.
9:30	11:00			Finish out.
11:00	11:15			Rig Service Check BOP.
11:15	11:30			Run in DCs
11:30	1:00			Pick up 6 - 6" DCs.
1:00	2:30			Run in
2:30	4:00	4103	—	Ream & clean out
				40' Fill.

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	G. H. Warren	8
DERRICK MAN	John Smith	8
MOTOR MAN	Joe Poch	8
HELPER	Merrill Lyons	8
HELPER	Keith Gunson	8
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
1	STAND. D.P.	3689.97
	SNGLS. D.P.	
15	LNGTH. CLRS.	433.18
	KELLY IN	26.00
2	OTHER Subs	3.83
	TOTAL	4162.98

DRILL COLLARS

NO.	DIAMETER	LGTH.
15	6"	433.18

BIT RECORD

RUN NO.	24
SIZE	8¾
MFG.	REED
TYPE	451
SER. NO	801428
DEPTH OUT	
HOURS RUN	7¾
FOOTAGE	19
REAMER CUTTER NO.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
4:30	4:15			Rig Service & Check BOP
4:15	12:00	4143	4162	Drlg 8¾" Hole.

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	4:30	10:00
WT.	10.8	10.8
VISC	109	110
W. L. CC.	[illegible]	4.2
FLTR. CK.	[illegible]	2/32
P. H.	[illegible]	9.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Driscose	50#
Caustic	50#
Lime	50#

DRLG. CREW PAYROLL

		HRS.
DRILLER	Richard Bouble	8
DERRICK MAN	Pat McCarthy	8
MOTOR MAN	Bob Atkins	8
HELPER	Keith Smale	8
HELPER	Arnold Sayers	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND ETC.)

Automatic Driller in use

Changed oil & filters on Drawks #1 #2 #3

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	700 PSI	PUMP PRES.	800 PSI
ROT. R.P.M.		ROT. R.P.M.	110	ROT. R.P.M.	92
POINTS WT.		POINTS WT.	5	POINTS WT.	6
LINER SIZE		LINER SIZE	6½	LINER SIZE	6½

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE DAY FROM SPUD DATE

WELL | COMPANY | RIG NO | DATE

LSD | SEC | TWP | RNGE | W/ MER | PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO	PIPE SIZE	FEET
45	STAND. D.P.	2931.27
	SNGLS. D.P.	
7	LNGTH. CLRS.	247.73
	KELLY IN	13.49
1	OTHER	63.65
	TOTAL	3320.34

DRILL COLLARS

NO.	DIAMETER	LGTH.
9	6"	239.73

BIT RECORD

RUN No.	22
SIZE	9 7/8
MFG.	Reed
TYPE	FP
SER. No.	2395
DEPTH OUT	
HOURS RUN	18 3/4
FOOTAGE	50
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]			[illegible]
[illegible]	6:30		4120	[illegible]
6:30	8:00			Hoist Core Bbl

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	2 PM
WT.	10.3
VISC.	45
W. L. CC	4.0
FLTR. CK.	2/32
P. H.	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	Anthony Gorak	8
DERRICK MAN	T. Turner	8
MOTOR MAN	E. L. Ferris	8
HELPER	Walter Sarcilla	8
HELPER	Harry Bentz	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
45	STAND. D.P.	2931.27
1	SNGLS. D.P.	30.34
9	LNGTH. CLRS.	239.73
	KELLY IN	11.40
1	OTHER Sub	2.25
	TOTAL	3214.99

DRILL COLLARS

NO.	DIAMETER	LGTH.
9	6"	239.73

BIT RECORD

RUN No.	23
SIZE	9 7/8
MFG.	Reed
TYPE	FH
SER. No.	[illegible]
DEPTH OUT	
HOURS RUN	5 1/4
FOOTAGE	20 Ream.
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
8:00	9:15			Recover Core Service Bbl
9:15	9:30			Rig Service. Check BOP
9:30	10:45			Run in
10:45	4:00	4070	4090	Reaming 6 1/2" Rathole.

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	2 PM	
WT.	10.3	
VISC.	45	
W. L. CC.	4.2	
FLTR. CK.	2/32	
P. H.	9.5	

MUD & CHEM. ADDED

TYPE	AMOUNT
Caustic	50 # 50
Bactrol	2 L
Soda Ash	2 #

DRLG. CREW PAYROLL

		HRS.
DRILLER	G. D. Wheeler	8
DERRICK MAN	John Smith	8
MOTOR MAN	Joe. Peen	8
HELPER	Pierre Lyons	8
HELPER	Keith Brodie	8
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
45	STAND. D.P.	3514.98
2	SNGLS. D.P.	60.06
9	LNGTH. CLRS.	249.73
	KELLY IN	22.50
1	OTHER Sub	2.25
	TOTAL	3125.42

DRILL COLLARS

NO.	DIAMETER	LGTH.
9	6"	249.73

BIT RECORD

RUN No.	23
SIZE	9 3/4
MFG.	Reed
TYPE	HH
SER. No.	[illegible]
DEPTH OUT	
HOURS RUN	11 h Reaming 1/2 Drlg
FOOTAGE	50' Reaming 5' Drlg
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4:00	5:45	4090	4099	Reaming 6 1/2" Rathole to 9 3/4
5:45	6:00			Rig Service & Check BOP.
6:00	10:30	4099	4120	Reaming Rathole
10:30	11:30			Repair Rotary Chain
11:30	12:00	4120	4125	Drlg 9 3/4" Hole

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	4:30	10:00
WT.	10.9	10.9
VISC.	103	100
W. L. CC.	4.8	4.5
FLTR. CK	2/32	2/32
P. H.	9.0	9.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Caustic	150 #

DRLG. CREW PAYROLL

		HRS.
DRILLER	Richard Reece	8
DERRICK MAN	Pat McClelland	8
MOTOR MAN	Bob Atkins	8
HELPER	Keith Snable	8
HELPER	Arnold Sayers	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

Automatic Driller in use.

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	750 PSI
ROT R.P.M.		ROT R.P.M.		ROT R.P.M.	45
POINTS WT.		POINTS WT.		POINTS WT.	15
LINER SIZE		LINER SIZE		LINER SIZE	6 1/2

CALGARY BRINKERHOFF DRILLING COMPANY LTD. EDMONTON

THIS IS THE ... DAY FROM SPUD DATE

WELL | COMPANY | RIG NO | DATE

LSD | LEC | TWP | RNGE | W/ MER. | PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE 4½	FEET
5	STAND. D.P.	3100.35
	SNGLS. D.P.	
4	LNGTH. CLRS.	244.73
	KELLY IN	21.10
1	OTHER Sub	2.22
	TOTAL	3368.40

DRILL COLLARS

No.	DIAMETER	LGTH.
9	6"	244.73

BIT RECORD

RUN NO.	2
SIZE	6 7/8
MFG	Reed
TYPE	Y H
SER. NO	220567
DEPTH OUT	
HOURS RUN	11 3/4
FOOTAGE	45
REAMER CUTTER No.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
5:45				Trip out for bit #2
				Ream 60' to bottom
5:15		4064		Ream

MUD RECORD

TIME	5:45	
WT.	10.2	10.3
VISC.	75	104
W. L. CC.	4.8	4.4
FLTR. CK.	2/32	2/32
P. H.	9.0	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT
Soda Ash	12 sx
Drisco	3 sx
1650	30 sx

DEVIATION

DEPTH	DEGREES
DRISCOSE 75	

DRLG. CREW PAYROLL

		HRS.
DRILLER	Gordon Cook	8
DERRICK MAN	Ed. Turner	8
MOTOR MAN	Bill Ferris	8
HELPER	Walter Sorensen	8
HELPER	Ward Reece	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE 4½	FEET
21	STAND. D.P.	3100.35
1	SNGLS. D.P.	29.46
9	LNGTH. CLRS.	249.73
	KELLY IN	21
1	Crossover	63.45
	TOTAL	3463.99

DRILL COLLARS

No.	DIAMETER	LGTH.
9	6"	249.73

BIT RECORD

RUN No.	2	2A
SIZE	6 7/8"	6 7/8
MFG.	Reed	Hycalog
TYPE	Y H	O
SER. No.	R0457	3392
DEPTH OUT	4078	
HOURS RUN	13 1/2	1 1/2
FOOTAGE	15	3
REAMER CUTTER No.		
TYPE		

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
6:00	9:15	4064	69	Reaming to Bottom
9:15	9:30	4069	70	Drlg.
9:30	11:30			Mist
11:30	11:45			Rig Service Oiler R.O.P.
11:45	2:00			Pick up Core Bbl. & Run in
2:00	2:30			Circ
2:30	4:00	4070	73	Cut Core #2

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	10:30	4:30
WT.	10.2	10.2
VISC.	103	145
W. L. CC.	4.4	4.0
FLTR. CK.	2/32	2/32
P. H.	9.0	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	G. Walker	8
DERRICK MAN	John Smith	8
MOTOR MAN	Joe Poon	8
HELPER	Merle Lyons	8
HELPER	Arch Robertson	8
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE 4½	FEET
3	STAND. D.P.	3100.35
3	SNGLS. D.P.	60.35
9	LNGTH. CLRS.	249.73
	KELLY IN	24.50
1	Crossover	63.45
	TOTAL	3498.38

DRILL COLLARS

No.	DIAMETER	LGTH.
9	6"	249.73

BIT RECORD

RUN No.	2A
SIZE	6 7/8"
MFG.	Hycalog
TYPE	O
SER. No.	3392
DEPTH OUT	
HOURS RUN	9
FOOTAGE	30
REAMER CUTTER No.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
4:00	12:00	4073	4100	Cuttings & Core #2.

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	4:30
WT.	10.9
VISC.	127
W. L. CC.	4.4
FLTR. CK.	2/32
P. H.	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	Richard Bussie	8
DERRICK MAN	Pat McCarron	8
MOTOR MAN	Bob Atkins	8
HELPER	Keith Smale	8
HELPER	Arnold Sayers	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	750 PSI	PUMP PRES.	750 PSI
ROT. R.P.M.		ROT. R.P.M.	50	ROT. R.P.M.	90
POINTS WT.		POINTS WT.	5	POINTS WT.	6
LINER SIZE		LINER SIZE	6 1/2	LINER SIZE	6 1/2

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 30 DAY FROM SPUD DATE

WELL — COMPANY — RIG No. — DATE Feb 27/61

LSD — SEC — TWP — RNGE — W/ MER — PROVINCE — TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

No	PIPE SIZE	FEET
41	STAND. D.P.	2689.32
1	SNGLS. D.P.	
4	LNGTH. CLRS.	249.73
	KELLY IN	36.94
Core Barrel	OTHER Swivel	73.99
	TOTAL	4052.98

DRILL COLLARS

No	DIAMETER	LGTH.
9	6"	249.73

BIT RECORD

RUN NO.	20
SIZE	7 7/8
MFG.	Hycalog
TYPE	D
SER. NO.	3392
DEPTH OUT	
HOURS RUN	10 3/4
FOOTAGE	32
REAMER CUTTER No.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO
12:00	2:00	4020	
2:00	2:15		
2:15	8:00		4052

FORMATION AND EXPLANATION

D Cuttings #1
Service. Check B.O.P.
To Coring

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	2:15	
WT.	11	
VISC.	135	42
W. L. CC.	5.2	5.0
FLTR. CK.	2/32	2/32
P. H.	8.5	8.5

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER	Andrew Gorak	8
DERRICK MAN	Ed. Turner	8
MOTOR MAN	Bill Evans	8
HELPER	Walter Spencer	8
HELPER	Harry Beiga	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
41	STAND. D.P.	3978.54
1	SNGLS. D.P.	20.17
4	LNGTH. CLRS.	249.73
	KELLY IN	24.60
	OTHER	13.45
	TOTAL	4286.49

DRILL COLLARS

No	DIAMETER	LGTH.
9	6"	249.73

BIT RECORD

RUN NO.	2C
SIZE	7 7/8
MFG.	Sycalog
TYPE	◇
SER. NO.	3392
DEPTH OUT	4069
HOURS RUN	15 1/4
FOOTAGE	50
REAMER CUTTER NO.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO
7:00	9:15	4052	56
9:15	9:30		
9:30	12:45	4056	4069
12:45	1:00		

Cutting Core #1
Rig Service. Check B.O.P.
Cut Core #1
Hoist & Rec Core #1
Core #2 Full Recovery

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	10:15	1:00
WT.	11	11
VISC.	142	134
W. L. CC.	5.6	5.6
FLTR. CK.	2/32	2/32
P. H.	8.5	9

MUD & CHEM. ADDED

TYPE	AMOUNT
Caustic	50
Lignox	50

DRLG. CREW PAYROLL — HRS.

DRILLER	Gil Lebrun	8
DERRICK MAN	Tom Sowa	8
MOTOR MAN	Joe Fraser	8
HELPER	Morris Lynes	8
HELPER	Keith Sparkes	8
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
41	STAND. D.P.	3900.35
2	SNGLS. D.P.	19.73
9	LNGTH. CLRS.	249.73
	KELLY IN	25.50
1	OTHER Sub.	2.25
	TOTAL	4037.56

DRILL COLLARS

No	DIAMETER	LGTH.
9	6"	249.73

BIT RECORD

RUN NO.	2I
SIZE	7 7/8
MFG.	Reed
TYPE	HH
SER. NO.	R81361
DEPTH OUT	
HOURS RUN	4
FOOTAGE	19
REAMER CUTTER No.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO
4:00	5:00		
5:00	5:15		
5:15	8:00		
8:00	12:00	4018	4037

Change Swivel on Core Brl.
& Service Same
Rig Service & Check Bops.
Stand Core Brl in Derrick.
& Run in Hole & 7 7/8" Bit #2
Reaming 6 1/2 to 7 7/8" Hole

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	10:00	
WT.	10.9	
VISC.	111	
W. L. CC.	9.6	
FLTR. CK.	2/32	
P. H.	8.5	

MUD & CHEM. ADDED

TYPE	AMOUNT
Caustic	50#
Lignox	50#
Drispac	25#

DRLG. CREW PAYROLL — HRS.

DRILLER	Richard Labbe	8
DERRICK MAN	Pat McCann	8
MOTOR MAN	Bob Atkins	8
HELPER	Keith Sparks	8
HELPER	Arnold Sayers	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

Automatic Driller in use

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	915 PSI	PUMP PRES	750 PSI
ROT. R.P.M.		ROT. R.P.M.	60	ROT. R.P.M.	105
POINTS WT.		POINTS WT.	6	POINTS WT.	5
LINER SIZE		LINER SIZE	6 1/2	LINER SIZE	6 1/2

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE DAY FROM SPUD DATE

WELL | COMPANY | RIG No. | DATE

LSD | SEC | TWP | RNGE | W/ MER | PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

No.	Pipe Size	Feet
41	STAND. D.P.	[illegible]
1	SNGLS. D.P.	30.28
11	LNGTH. CLRS.	249.73
	KELLY IN	17.38
1	OTHER Sub	2.75
	TOTAL	4010.20

DRILL COLLARS

No.	Diameter	Lgth.
9	6"	249.73

BIT RECORD

RUN NO.	1
SIZE	6¾
MFG.	TRED
TYPE	V51
SER. NO.	A-1028
DEPTH OUT	
HOURS RUN	17
FOOTAGE	64
REAMER CUTTER NO.	
TYPE	

Time From	Time To	Drilled From	Drilled To	Formation and Explanation
[illegible]	1:30	[illegible]	3994	[illegible]
2:45	8:00	3994	4010	DRLG

DEVIATION

Depth	Degrees

MUD RECORD

TIME	2	
WT.	[illegible]	
VISC.	95	
W. L. CC.	5.2	
FLTR. CK.	2/32	
P. H.	8.5	8.5

MUD & CHEM. ADDED

Type	Amount
DRISPAC	50 lbs
SUPER-COL	200 lbs
QUEBRACHO	15 SACKS

DRLG. CREW PAYROLL

		Hrs.
DRILLER	ANDREW GORDON	8
DERRICK MAN	ED TURNER	8
MOTOR MAN	BILL FERRIS	8
HELPER	WAYNE SPENCER	8
HELPER	HARRY BERGEN	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No.	Pipe Size	Feet
41	STAND. D.P.	[illegible]
1	SNGLS. D.P.	30.28
11	LNGTH. CLRS.	249.73
	KELLY IN	[illegible]
1	OTHER Sub	2.75
	TOTAL	[illegible]

DRILL COLLARS

No.	Diameter	Lgth.
9	6"	249.73

BIT RECORD

RUN NO.	[illegible]
SIZE	[illegible]
MFG.	[illegible]
TYPE	V51
SER. NO.	A-1028
DEPTH OUT	4019
HOURS RUN	21¾
FOOTAGE	35
REAMER CUTTER No.	
TYPE	

Time From	Time To	Drilled From	Drilled To	Formation and Explanation
7:00	8:15			Rig Service Check BOP
8:15	1:30	4010	4019	DRLG
1:30	2:00			Circ. Keep Coots
2:00	4:00			Hoist To Core

DEVIATION

Depth	Degrees

MUD RECORD

TIME	9:00	1:30
WT.	11	10.9
VISC.	96	124
W. L. CC.	5.2	5.2
FLTR. CK.	3/32	2/32
P. H.	8.5	8.5

MUD & CHEM. ADDED

Type	Amount
DRISPAC	15 60 lbs
CAUSTIC	15 lbs
QUEBRACHO	350 lbs

DRLG. CREW PAYROLL

		Hrs.
DRILLER	G. H. Johnson	8
DERRICK MAN	Jack Smith	8
MOTOR MAN	Joe Frost	8
HELPER	[illegible]	8
HELPER	[illegible]	8
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	Pipe Size	Feet
10	STAND. D.P.	2609.52
3	SNGLS. D.P.	60.46
9	LNGTH. CLRS.	249.73
	KELLY IN	42.50
1	OTHER Sub	2.75
CORE BRL		31.24
TOTAL		3036.20

DRILL COLLARS

No.	Diameter	Lgth.
9	6"	249.73

BIT RECORD

RUN NO.	20
SIZE	6¾
MFG.	HYCALOG
TYPE	O
SER. NO.	3392
DEPTH OUT	
HOURS RUN	3
FOOTAGE	8
REAMER CUTTER NO.	
TYPE	

Time From	Time To	Drilled From	Drilled To	Formation and Explanation
4:00	4:15			Finish Hoisting Pipe
4:15	4:30			Rig Service & Check BOP
4:30	6:30			Pick up Core Bbl. & Jars & make up same
6:30	8:00			Run in @ Core Bbl.
8:00	9:00			Circ.
9:00	12:00	4019	4027	Cutting Core #1

DEVIATION

Depth	Degrees

MUD RECORD

TIME	10:30	
WT.	10.9	
VISC.	124	
W. L. CC.	4.0	
FLTR. CK.	2/32	
P. H.	[illegible]	

MUD & CHEM. ADDED

Type	Amount

DRLG. CREW PAYROLL

		Hrs.
DRILLER	RICHARD KOUBLE	8
DERRICK MAN	PAT McCABE	8
MOTOR MAN	BOB ATKINS	8
HELPER	KEITH SOOLE	8
HELPER	HAROLD COYLE	8
HELPER		
HELPER		

REMARKS (REPAIRS ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

Morning Tour	Day Tour	Evening Tour
PUMP PRES. PSI	PUMP PRES. PSI	PUMP PRES. 775 PSI
ROT. R.P.M.	ROT. R.P.M.	ROT. R.P.M. 84
POINTS WT.	POINTS WT.	POINTS WT. 5
LINER SIZE	LINER SIZE	LINER SIZE 6½

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY EDMONTON

THIS IS THE DAY FROM SPUD DATE

WELL | COMPANY | RIG NO | DATE

LSD | SEC | TWP | RNGE | W/ MER | PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
41	STAND. D.P.	3697.57
1	SNGLS. D.P.	31.08
12	LNGTH. CLRS.	192.69
	KELLY IN	41.52
1	OTHER Sub	2.25
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.
12	6"	192.69

BIT RECORD

RUN NO.	4
SIZE	9"
MFG.	Reed
TYPE	FDT 4
SER. No.	102527
DEPTH OUT	
HOURS RUN	17 3/4
FOOTAGE	72
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
12:00	12:15			Service rig - check BOP
12:15	5:30	3015	3925	Drilling 8 3/4" hole
5:30	6:15			Circ.
6:15	8:00	3925	3940	Drilling

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	8:00	
WT.	11.1	
VISC.	45.0	
W.L. CC.	4.6	4.7
FLTR. CK.	2/32	2/32
P.H.	8.7	9.5

MUD & CHEM. ADDED

TYPE	AMOUNT	
Dariscose	700	lbs
Royas	50	lbs
Caustic	25	lbs

DRLG. CREW PAYROLL

		HRS.
DRILLER	Andrew Gorun	8
DERRICK MAN	Ed. Turner	8
MOTOR MAN	Bill Ferris	8
HELPER	Walter Spracklin	8
HELPER	Lenny Re Gos.	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
41	STAND. D.P.	3697.57
4	SNGLS. D.P.	
9	LNGTH. CLRS.	279.33
	KELLY IN	41
1	OTHER Sub	2.25
	TOTAL	3979.90

DRILL COLLARS

No.	DIAMETER	LGTH.
9	6"	279.33

BIT RECORD

RUN NO.	1B	1C
SIZE	9"	9"
MFG.	REED	REED
TYPE	FDT	FDT
SER. No.	NP2532	NP1251
DEPTH OUT	3944	—
HOURS RUN	13	14 1/4
FOOTAGE	24	6
REAMER CUTTER NO.		
TYPE		

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
8:00	8:45	3940	42	Trip
8:45	9:30			Dig Service Chain Bad.
9:30	11:00			Hoist
11:00	1:00			Ream Tight Pipe & Trip
				Ream O.P.
1:00	2:15			Mud in
2:15	2:30			Clean out to Bottom
2:30	4:00	3944	3950	Drlg

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME		8:00
WT.		11.0
VISC.		43
W.L. CC.		5.0
FLTR. CK.		2/32
P.H.		9.5

MUD & CHEM. ADDED

TYPE	AMOUNT	
Dariscose	50	lbs
Caustic	25	lbs
Barite	50	lbs

DRLG. CREW PAYROLL

		HRS.
DRILLER	Andrew Gorun	8
DERRICK MAN	Ed. Turner	8
MOTOR MAN	Bill Ferris	8
HELPER	Walter Spracklin	8
HELPER	Lenny Re Gos.	8
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
41	STAND. D.P.	3700.35
	SNGLS. D.P.	
9	LNGTH. CLRS.	279.33
	KELLY IN	31.54
1	OTHER Sub	2.25
	TOTAL	4013.47

DRILL COLLARS

No.	DIAMETER	LGTH.
9	6"	279.33

BIT RECORD

RUN NO.	1B	
SIZE	9"	
MFG.	REED	
TYPE	FDT	
SER. No.	NP2532	
DEPTH OUT	—	
HOURS RUN	9 1/4	
FOOTAGE	53	
REAMER CUTTER NO.		
TYPE		

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4:00	7:00	3950	3963	Drlg 8 3/4" hole
7:00	7:15			Service Rig Check BOP
7:15	12:00	3963	3983	Drlg 8 3/4" hole

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	6:00	11:00
WT.	11.0	11.0
VISC.	41	42
W.L. CC.	5.0	5.2
FLTR. CK.	2/32	2/32
P.H.	9.0	8.5

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	Richard Rauble	8
DERRICK MAN	Pat McCarren	8
MOTOR MAN	Bob Atkins	8
HELPER	Keith Smale	8
HELPER	Arnold Sayers	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY EDMONTON

THIS IS THE 21 DAY FROM SPUD DATE

WELL | COMPANY | RIG NO. | DATE

LSD SEC TWP. RNGE. W/ MER. PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
40	STAND. D.P.	3624.00
2	SNGLS. D.P.	62.00
6	LNGTH. CLRS	147.57
1	KELLY IN	2.25
	OTHER	36.14
	TOTAL	3872.00

DRILL COLLARS

No.	DIAMETER	LGTH.
6	6"	162.57

BIT RECORD

RUN NO.	5
SIZE	5 3/4
MFG.	REED
TYPE	FDH
SER. NO.	H6252
DEPTH OUT	
HOURS RUN	—
FOOTAGE	—
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
				Lay down
2:30	2:45			Trip Out Location Rig
2:45	3:15			Repair Air Line To Clutch
3:15	7:15		3968	Lay Down 7 7/8 D.C.s
7:15	8:30			Pick up Bottom Hole D.C. & Run in Wash out Lines & Circ.

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME		
WT.		
VISC		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	Andrew Gibson	8
DERRICK MAN	Ed Burke	8
MOTOR MAN	Bill Eggs	8
HELPER	Walter Sanchez	8
HELPER	Harry Ledgerwood	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
41	STAND. D.P.	3746.89
6	SNGLS. D.P.	97.57
1	LNGTH. CLRS.	35.50
	KELLY IN	2.25
	OTHER Sub.	36.14
	TOTAL	3918.35

DRILL COLLARS

No.	DIAMETER	LGTH.
2	6"	64.57

BIT RECORD

RUN NO.	11
SIZE	5 3/4
MFG.	
TYPE	FDH
SER. NO.	H 2502
DEPTH OUT	
HOURS RUN	5
FOOTAGE	34
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
8:00	8:30			Circ.
8:30	8:45			Rig Service & Check BOPs
8:45	11:00			Circ. Prepare to Trip Out
11:00	2:30	3968	3900	Drlg.
2:30		3900	3902	Controlled Drlg. Mud Conditioning and Circ.
	4:00			

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	8:00	2:30
WT.	10.2	10.2
VISC.	42	40
W. L. CC.	4.0	
FLTR. CK.	2/32	
P. H.	7.0	8.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Caustic	200
Drispac	50

DRLG. CREW PAYROLL

		HRS.
DRILLER	Richard Bourke	8
DERRICK MAN	Pat McCarron	8
MOTOR MAN	Bob Atkins	8
HELPER	Keith Smale	8
HELPER	Arnold Sayer	8
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	3746.89
1	SNGLS. D.P.	31.59
6	LNGTH. CLRS.	165.19
	KELLY IN	1.50
1	OTHER Sub	2.25
	TOTAL	3947

DRILL COLLARS

No.	DIAMETER	LGTH.
2	6"	64.57

BIT RECORD

RUN NO.	12
SIZE	5 3/4
MFG.	REED
TYPE	FDH
SER. NO.	H 2502
DEPTH OUT	
HOURS RUN	19 1/2
FOOTAGE	47
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4:00	8:15	3902	3909	CONTROLLED DRLG. MUD & CONDITIONING MUD
8:15	9:30			Rig SERVICE & CHECK BOPs
9:30	10:00	3909	3915	DRLG.
10:00	12:00			& CIRC. SAMPLE

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	5:00	8:30
WT.	10.1	10.2
VISC.	43	43
W. L. CC.	4.2	3.2
FLTR. CK.	2/32	2/32
P. H.	9.5	8.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Caustic	50 lbs
Drispac	4 sacks
Lignite	2 sacks

DRLG. CREW PAYROLL

		HRS.
DRILLER	Richard Bourke	8
DERRICK MAN	Pat McCarron	8
MOTOR MAN	Bob Atkins	8
HELPER	Keith Smale	8
HELPER	Arnold Sayer	8
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND ETC.)

78

G. 3212 K.B

Change Oil Dropped

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	700 PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.	40 - 60	ROT. R.P.M.	
POINTS WT.		POINTS WT.	7 - 8	POINTS WT.	
LINER SIZE		LINER SIZE	6 1/2	LINER SIZE	

KODAK SAFETY

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE , DAY FROM SPUD DATE

WELL | COMPANY | RIG NO. | DATE

LSD | SEC | TWP | RNGE | W/ MER | PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO	PIPE SIZE	FEET
32	STAND. D.P.	[illegible]
	SNGLS. D.P.	
11	LNGTH. CLRS.	215.22
	KELLY IN	27.00
2	OTHER Sub	4.80
	TOTAL	3570.80

DRILL COLLARS

NO.	DIAMETER	LGTH.
8	7 3/4"	92.23
8	6"	223.41

BIT RECORD

RUN No	
SIZE	12 1/4
MFG.	REED
TYPE	U-2
SER. No	825045
DEPTH OUT	
HOURS RUN	19
FOOTAGE	227
REAMER CUTTER No.	
TYPE	

TIME

FROM	TO
7:00	12:15
12:15	4:00

DRILLED

FROM	TO
3343	3570

FORMATION AND EXPLANATION

Surface - Kaskapau
Cmp - Colorado

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	6:00	12:00
WT.	11.1	11.1
VISC	70	74
W. L. CC.	4.2	4.2
FLTR. CK.	2/32	2/32
P. H.	8.5	8.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Dextrid	75 #
Caustic	8.5 #
Aquagel	50 #

DRLG. CREW PAYROLL

		HRS.
DRILLER	Andrew Goruk	8
DERRICK MAN	Ed. Turner	8
MOTOR MAN	Bill Ferris	8
HELPER	John Smith	8
HELPER	Harry Barnes	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
39	STAND. D.P.	3528.16
	SNGLS. D.P.	
11	LNGTH. CLRS.	315.84
	KELLY IN	27.00
2	OTHER Sub	4.80
	TOTAL	3876.80

DRILL COLLARS

NO.	DIAMETER	LGTH.
3	7 3/8"	92.23
8	6	223.41

BIT RECORD

RUN No.	17
SIZE	12 1/4
MFG.	Reed
TYPE	U3
SER. No.	Reed
DEPTH OUT	3797
HOURS RUN	18
FOOTAGE	227
REAMER CUTTER No.	2
TYPE	

TIME

FROM	TO
7:00	8:30
8:30	8:45
8:45	10:45
10:45	11:15
11:15	1:15
1:15	4:00

DRILLED

FROM	TO
3570	

FORMATION AND EXPLANATION

Circ.
Survey.
Hoist Strap - Pipe.
Rig Service. Check BOP.
Retrieve Survey & Rod Mk.
Circ. W/o Ldg

DEVIATION

DEPTH	DEGREES
3969	1

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	Ed Lessard	8
DERRICK MAN	Ed Tuckwood	8
MOTOR MAN	Joe Fock	8
HELPER	Herman Lyon	8
HELPER	Keith Kohler	8
HELPER	Jacob Spreicher	8
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
39	STAND. D.P.	3528.16
	SNGLS. D.P.	
11	LNGTH. CLRS.	315.84
	KELLY IN	27.00
2	OTHER Sub	4.80
	TOTAL	3876.80

DRILL COLLARS

NO	DIAMETER	LGTH.
3	7 3/8"	92.23
8	6"	223.41

BIT RECORD

RUN No.	17
SIZE	12 1/4
MFG.	REED
TYPE	U3
SER. No	825045
DEPTH OUT	3797
HOURS RUN	18
FOOTAGE	227
REAMER CUTTER No	2
TYPE	

TIME

FROM	TO
4:00	4:15
4:15	6:15
6:15	6:30
6:30	8:15
8:15	8:45
8:45	10:00

DRILLED

FROM	TO

FORMATION AND EXPLANATION

Rig Service & Check BOP
Circ. W/o Loc
Blow Kelly
Hoist To Loc.
Rig To Loc.
Loc. Circ

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	5:30	
WT.	11.2	
VISC	85	
W. L. CC.	4.4	
FLTR. CK.	2/32	
P. H	9.5	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	Richard Laubie	8
DERRICK MAN	Pat McCarron	8
MOTOR MAN	Bob Hicks	8
HELPER	Ken Sowden	8
HELPER	[illegible]	8
HELPER		
HELPER		

REMARKS - REPAIRS, ACCIDENTS AND ETC

Change Oil D311 #1

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
PUMP SPM		PUMP SPM		PUMP SPM	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE ___ DAY FROM SPUD DATE

WELL | COMPANY | RIG NO | DATE

LSD | SEC | TWP | RNGE | W/ MER | PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO	PIPE SIZE	FEET
23	STAND. D.P	3[illegible]
2	SNGLS. D.P.	64.61
11	LNGTH. CLRS.	3[illegible]
	KELLY IN	37.62
2	OTHER 5.00	4.32
	TOTAL	3[illegible]

DRILL COLLARS

No.	DIAMETER	LGTH.
3	7 3/4	92.42
8	7	222.64

BIT RECORD

RUN NO.	[illegible]
SIZE	[illegible]
MFG.	[illegible]
TYPE	[illegible]
SER. NO.	[illegible]
DEPTH OUT	[illegible]
HOURS RUN	16
FOOTAGE	207
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
[illegible]	[illegible]			[illegible]
[illegible]	[illegible]			[illegible]

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	2[illegible]	
WT.	11.2	11.2
VISC.	7[illegible]	[illegible]
W. L. CC.	[illegible]	[illegible]
FLTR. CK.	[illegible]	[illegible]
P. H.	9.5	9.5

MUD & CHEM. ADDED

TYPE	AMOUNT
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

DRLG. CREW PAYROLL — HRS.

DRILLER	L. [illegible]	8
DERRICK MAN	D. Turner	8
MOTOR MAN	Bill Ferris	8
HELPER	Tom Smith	8
HELPER	Harry Bridges	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
34	STAND. D.P	3[illegible]
3	SNGLS. D.P.	
11	LNGTH. CLRS.	345.85
	KELLY IN	27.
2	OTHER [illegible]	4.32
	TOTAL	3[illegible]

DRILL COLLARS

No.	DIAMETER	LGTH.
3	7 3/4	92.42
8	7	222.64

BIT RECORD

RUN NO.	17
SIZE	12 1/4
MFG.	REED
TYPE	HP3
SER. NO.	[illegible]
DEPTH OUT	—
HOURS RUN	18
FOOTAGE	227
REAMER CUTTER NO.	—
TYPE	—

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
8:00	9:15			Rig Service Check BOP
9:15	9:30			Circ.
9:30	11:00	3850	3855	Drlg 5' [illegible] Dev. 3846' 1°
11:00	11:30			Circ. Samples 3.15 4½ Circ.
11:30	12:00	3855	3860	Drlg 5'
12:00	1:15			Circ. Samp.
1:15	1:45	3860	-65	Drlg 5'
1:45	2:45		3870'	Circ.

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	[illegible]	[illegible]
WT.	11.2	11.1
VISC.	75	78
W. L. CC.	4.5	4.4
FLTR. CK.	2	2
P. H.	8.0	8.3

MUD & CHEM. ADDED

TYPE	AMOUNT
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

DRLG. CREW PAYROLL — HRS.

DRILLER	G.A. Walker	8
DERRICK MAN	Ed. Townsend	8
MOTOR MAN	Joe Poch	8
HELPER	Merrill Lyons	8
HELPER	Keith Rabousseau	8
HELPER	Walter Spencer	8
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
2	STAND. D.P	3[illegible]
	SNGLS. D.P.	
11	LNGTH. CLRS.	3[illegible]
	KELLY IN	[illegible]
3	OTHER [illegible]	[illegible]
	TOTAL	[illegible]

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN NO.	17
SIZE	[illegible]
MFG.	REED
TYPE	HP3
SER. NO	[illegible]
DEPTH OUT	[illegible]
HOURS RUN	[illegible]
FOOTAGE	
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
400	415			Rig Service & Check BOP
415	1200	3870	3870	Circ. Wait on Loc Truck

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	430	[illegible]
WT.	11.2	11.2
VISC.	74	81
W. L. CC.	4.6	4.0
FLTR. CK.	2/32	2/32
P. H.	8.3	8.1

MUD & CHEM. ADDED

TYPE	AMOUNT
[illegible]	[illegible]

DRLG. CREW PAYROLL — HRS.

DRILLER	Richard Rourke	8
DERRICK MAN	Pat McCarroll	8
MOTOR MAN	Bob Atkins	8
HELPER	Keith Cooke	8
HELPER	[illegible]	8
HELPER		
HELPER		

REMARKS (INCLUDE ACCIDENTS AND ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE ____ DAY FROM SPUD DATE

WELL | COMPANY | RIG NO. | DATE

LSD | SEC | TWP | RNGE | W/ MER. | PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO	PIPE SIZE	FEET
3	STAND. D.P.	2431.23
2	SNGLS. D.P.	36.41
1	LNGTH. CLRS.	315.84
	KELLY IN	37.
2	OTHER Sub	4.80
	TOTAL	3129.28

DRILL COLLARS

NO	DIAMETER	LGTH.
3	7 7/8	92.22
5	6"	222.61

BIT RECORD

RUN NO	16
SIZE	12¼
MFG.	Reed
TYPE	VT3
SER. NO.	65045
DEPTH OUT	3745
HOURS RUN	11½
FOOTAGE	152
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
5.30	8.00		3745	Drlg

DEVIATION

DEPTH	DEGREES
3760	¼

MUD RECORD

TIME		
WT.	9.1	
VISC.	70	52
W. L. CC.	4.8	4.2
FLTR. CK.	2/32	2/32
P. H.	6.5	8.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Bentonite	150 lbs
Caustic	100 lbs

DRLG. CREW PAYROLL — HRS.

DRILLER	Alfred Smith	8
DERRICK MAN	Pat McCarthy	8
MOTOR MAN	Bob Atkins	8
HELPER	Keith Smith	8
HELPER	Steve Sayers	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

NO	PIPE SIZE	FEET
38	STAND. D.P.	3431.23
2	SNGLS. D.P.	60.41
11	LNGTH. CLRS.	315.84
	KELLY IN	37.
2	OTHER Subs	9.80
	TOTAL	3849.28

DRILL COLLARS

NO	DIAMETER	LGTH.
3	7 7/8	92.22
5	6"	222.61

BIT RECORD

RUN NO.	17
SIZE	12¼
MFG.	Reed
TYPE	VT3
SER. NO.	65045
DEPTH OUT	—
HOURS RUN	16
FOOTAGE	207
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
9.00	10.15	3745	3825	Drilling
10.15	10.30			Survey R.S. & Chain 2 DR
10.30	12.45	3825	3850	Drlg.
12.45	1.00			Circ. to Log

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME		
WT.	9.1	9.1
VISC.	52	57
W. L. CC.	5.4	4.6
FLTR. CK.	2/32	2
P. H.	8.5	8.0

MUD & CHEM. ADDED

TYPE	AMOUNT
Bentonite	100 lbs

DRLG. CREW PAYROLL — HRS.

DRILLER	Alfred Smith	8
DERRICK MAN	Ed. Thurie	8
MOTOR MAN	Bob Atkins	8
HELPER	Keith Smith	8
HELPER	Steve Sayers	8
HELPER	Harry Smith	8
HELPER	Walter Smith	8
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

NO	PIPE SIZE	FEET
38	STAND. D.P.	3431.23
2	SNGLS. D.P.	60.41
11	LNGTH. CLRS.	315.84
	KELLY IN	37.
2	OTHER Subs	9.80
	TOTAL	3849.28

DRILL COLLARS

NO	DIAMETER	LGTH.
3	7 7/8	92.22
5	6"	222.61

BIT RECORD

RUN NO.	17
SIZE	12¼
MFG.	Reed
TYPE	VT3
SER. NO.	65045
DEPTH OUT	—
HOURS RUN	16
FOOTAGE	207
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4.00	4.15			Rig Service.
4.15	6.30			Circ.
6.30	8.00			Trip 15 Stds Ream 3340-45
8.00	12.00			Circ.

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME		
WT.	9.2	9.2
VISC.	52	52
W. L. CC.	4.6	4.4
FLTR. CK.	2	2
P. H.	8.0	8.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Bentonite	50 lbs
Caustic	100 lbs

DRLG. CREW PAYROLL — HRS.

DRILLER	G.B. Wallace	8
DERRICK MAN	Ed. Johnson	8
MOTOR MAN	Joe. Poch	8
HELPER	Merrill Lyons	8
HELPER	Keith Robinson	8
HELPER	Sam Duncan	8
HELPER		

REMARKS: PIPE TALLY, ACCIDENTS AND, ETC.

Cleaned Settling Tank.

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	750 PSI	PUMP PRES	700 PSI
ROT. R.P.M.		ROT. R.P.M.	60	ROT. R.P.M.	60
POINTS WT.		POINTS AT	2.1	POINTS AT	
LINER SIZE		LINER SIZE	6½	LINER SIZE	6½

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 2.3 DAY FROM SPUD DATE

WELL | COMPANY | RIG NO 9 | DATE

LSD | SEC | TWP | RNGE | W/ MER | PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — 4½ OF TOUR

NO	PIPE SIZE	FEET
36	STAND. D.P.	2169.60
1	SNGLS. D.P.	29.15
11	LNGTH. CLRS.	315.84
	KELLY IN	42.50
2	OTHER SUBS	4.20
	TOTAL	2561.29

DRILL COLLARS

NO	DIAMETER	LGTH.
4	7¾"	82.28
8	6"	223.61

BIT RECORD

RUN NO.	
SIZE	
MFG.	
TYPE	
SER. NO.	D03758
DEPTH OUT	
HOURS RUN	8½
FOOTAGE	142
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
12:00	12:30	3[illegible]	3[illegible]	[illegible] 12¼" Hole
12:30	12:45			K.G. Service & Check BOP
12:45	8:00	3021	3551	DRLG 12¼" Hole

DEVIATION: DEPTH | DEGREES

MUD RECORD

TIME	1:30	7:00
WT.	10.8	11.0
VISC.	54	58
W. L. CC.	4.0	4.6
FLTR. CK.	2/32	2/32
P. H.	8.5	8.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Bicarb	50#
Dfoam	10 cans
Caustic	3 bags

DRLG. CREW PAYROLL

	HRS.
DRILLER [illegible] Kube	8
DERRICK MAN [illegible] O'Connor	8
MOTOR MAN Bob Atkins	8
HELPER Keith Sauble	8
HELPER Glenn Sayer	8
HELPER	
HELPER	

DAY TOUR

IN HOLE — 2ND OF TOUR

NO	PIPE SIZE	FEET
36	STAND. D.P.	2169.60
1	SNGLS. D.P.	29.15
11	LNGTH. CLRS.	315.84
	KELLY IN	41.00
2	OTHER Subs	4.80
	TOTAL	2560.39

DRILL COLLARS

NO	DIAMETER	LGTH.
3	7¾"	82.23
8	6"	223.61

BIT RECORD

RUN NO.	16
SIZE	12¼
MFG.	Reed
TYPE	VT3
SER. NO.	D03258
DEPTH OUT	3643
HOURS RUN	15
FOOTAGE	284
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
9:00	9:45	3551		DRLG 12¼" Hole
9:45	2:15		3643	Survey & Blow Kelly
2:15	2:45			Hoist 16
2:45	3:00			Survey & Blow Kelly
3:00	4:00			Hoist 16

DEVIATION: DEPTH 3580 | DEGREES 7/8°

MUD RECORD

TIME	1:30	7:00
WT.	10.8	11.0
VISC.	54	53
W. L. CC.	4.0	4.2
FLTR. CK.	2/32	2/32
P. H.	8.5	8.0

MUD & CHEM. ADDED

TYPE	AMOUNT
Special	240 #
Lime	450 #
Diesel	300

DRLG. CREW PAYROLL

	HRS.
DRILLER Glenn Sayer	8
DERRICK MAN Ed Tuinman	8
MOTOR MAN Bill Ferris	8
HELPER John Smith	8
HELPER Henry Bridge	8
HELPER Volunteer Spreeuwenberg	8
HELPER	

EVENING TOUR

IN HOLE — 2ND OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	3340.80
	SNGLS. D.P.	
11	LNGTH. CLRS.	315.84
	KELLY IN	41.00
2	OTHER Subs	4.80
	TOTAL	3702.44

DRILL COLLARS

NO	DIAMETER	LGTH.
3	7 7/8"	82.23
8	6"	223.61

BIT RECORD

RUN NO.	17
SIZE	12¼
MFG.	REED
TYPE	VT3
SER. NO	D05945
DEPTH OUT	
HOURS RUN	4¼
FOOTAGE	78
REAMER CUTTER NO	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4:00	5:00			Finish out
5:00	5:15			K.G. Service check BOP
5:15	5:45			Repair 3rd chain
5:45	7:15			Run in
7:15	7:30			Clean 5' to Btm.
7:30	8:30	3643	3654	Drlg (Shale Blk)
8:30	8:45			Replace 3rd chain
8:45	12:00	3659	3791	Drlg. Shale

DEVIATION: DEPTH | DEGREES

MUD RECORD

TIME	9:30	
WT.	9.1	
VISC.	59	
W. L. CC.	4.4	
FLTR. CK.	2	
P. H.	8.5	

MUD & CHEM. ADDED

TYPE	AMOUNT
Lime	

DRLG. CREW PAYROLL

	HRS.
DRILLER C.R. Walker	8
DERRICK MAN Ed Johnson	8
MOTOR MAN Joe Poch	8
HELPER Merrill Lyons	8
HELPER Kieth Robinson	8
HELPER	
HELPER	

REMARKS, REPAIRS, ACCIDENTS AND ETC.

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	52 PSI	PUMP PRES	PSI	PUMP PRES	750 PSI
ROT R.P.M.		ROT R.P.M.		ROT R.P.M.	160
POINTS WT.		POINTS WT.		POINTS WT.	12-14
LINER SIZE		LINER SIZE		LINER SIZE	6½

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY EDMONTON

THIS IS THE 23 DAY FROM SPUD DATE

WELL | COMPANY | RIG NO. | DATE

LSD | SEC | TWP | RNGE | W/ MER | PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
34	STAND. D.P.	2149.62
1	SNGLS. D.P.	29.18
11	LNGTH. CLRS.	315.84
	KELLY IN	42.50
2	OTHER Subs	4.80
	TOTAL	2541.94

DRILL COLLARS

NO.	DIAMETER	LGTH.
3	7 7/8"	92.23
8	6"	223.61

BIT RECORD

RUN NO.	11
SIZE	12 1/4
MFG.	REED
TYPE	VT3
SER. NO.	D03258
DEPTH OUT	
HOURS RUN	9 1/2
FOOTAGE	142
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
12:00	12:30	3409	3551	DRLG 12 1/4" HOLE
12:30	12:45			R.G. SERVICECHECK BOP
12:45	2:00	3409	3551	DRLG 12 1/4" HOLE

DEVIATION: DEPTH | DEGREES

MUD RECORD		
TIME	1230	1600
WT.	10.0	10.0
VISC.	54	58
W. L. CC.	4.0	4.6
FLTR. CK.	2/32	2/32
P. H.	8.5	8.5
MUD & CHEM. ADDED		
TYPE	AMOUNT	
Caustic	50#	
Driscose	100#	
Caustic	25#	

DRLG. CREW PAYROLL		HRS.
DRILLER	L. CHARLIE KRUPKE	8
DERRICK MAN	ART MCCORKELL	8
MOTOR MAN	BOB HITKINS	8
HELPER	KEITH SMALLE	8
HELPER	GRELLAND SAYERS	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
34	STAND. D.P.	2149.62
1	SNGLS. D.P.	29.18
11	LNGTH. CLRS.	315.84
	KELLY IN	41.00
2	OTHER Subs	4.80
	TOTAL	2540.44

DRILL COLLARS

NO.	DIAMETER	LGTH.
3	7 7/8"	92.23
8	6"	223.61

BIT RECORD

RUN NO.	11
SIZE	12 1/4
MFG.	REED
TYPE	VT3
SER. NO.	D03258
DEPTH OUT	3643
HOURS RUN	15
FOOTAGE	234
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
8:00	9:45	3551		DRLG 12 1/4" HOLE
9:45	2:15			SURVEY, SERVICE RIG, BOP
2:15	2:45		3643	DRLG
2:45	3:00			SURVEY & BLOW KELLY
3:00	4:00			HOISTING

DEVIATION: DEPTH 3580 | DEGREES 7/8°

MUD RECORD		
TIME	1600	
WT.	10.0	
VISC.	53	
W. L. CC.	4.0	
FLTR. CK.	2/32	
P. H.	8.0	
MUD & CHEM. ADDED		
TYPE	AMOUNT	
Soda Ash	200#	
Lignite	400#	
Caustic	50#	

DRLG. CREW PAYROLL		HRS.
DRILLER	JARROW GOROK	8
DERRICK MAN	ED TIMMER	8
MOTOR MAN	BILL FERRIS	8
HELPER	JOHN SMITH	8
HELPER	HARRY BRIGGS	8
HELPER	WALTER SPENCER	8
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	3340.05
	SNGLS. D.P.	
11	LNGTH. CLRS.	315.84
	KELLY IN	41.00
2	OTHER Subs	4.80
	TOTAL	3701.72

DRILL COLLARS

NO.	DIAMETER	LGTH.
3	7 7/8"	92.23
8	6"	223.61

BIT RECORD

RUN NO.	11
SIZE	12 1/4
MFG.	REED
TYPE	VT3
SER. NO.	D03258
DEPTH OUT	
HOURS RUN	4 1/2
FOOTAGE	58
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4:00	5:00			FINISH OUT
5:00	5:15			R.G. SERVICECHECK BOP
5:15	5:45			REPAIR 3rd CABIN
5:45	7:15			RUN IN
7:15	7:30			CLEAN 5' to BTM.
7:30	8:30	3643	3654	DRLG (SHALE BRK)
8:30	8:45			REPLACE 3RD CABIN
8:45	12:00	3654	3691	DRLG. SHALE

DEVIATION: DEPTH | DEGREES

MUD RECORD		
TIME	1600	
WT.	9.1	
VISC.	59	
W. L. CC.	4.4	
FLTR. CK.	2	
P. H.	8.0	
MUD & CHEM. ADDED		
TYPE	AMOUNT	
Lime		

DRLG. CREW PAYROLL		HRS.
DRILLER	G.R. WALKER	8
DERRICK MAN	ED JOHNSON	8
MOTOR MAN	JOE. POCH	8
HELPER	MERRILL LYONS	8
HELPER	KIETH ROBINSON	8
HELPER		
HELPER		

REMARKS, REPAIRS, ACCIDENTS AND, ETC.

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	50 PSI	PUMP PRES	PSI	PUMP PRES	750 PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	160
POINTS WT.		POINTS WT.		POINTS WT.	60-70
LINER SIZE		LINER SIZE		LINER SIZE	6 1/2

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY EDMONTON

THIS IS THE 22 DAY FROM SPUD DATE

WELL | COMPANY | RIG No | DATE

LSD | SEC | TWP | RNGE | W/ MER | PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

No	PIPE SIZE	FEET
23	STAND. D.P.	2977.50
	SNGLS. D.P.	
11	LNGTH. CLRS.	315.84
	KELLY IN	15.50
2	OTHER Subs	4.80
	TOTAL	3314.84

DRILL COLLARS

No	DIAMETER	LGTH.
3	7¾"	92.23
8	6"	223.61

BIT RECORD

RUN No.	15
SIZE	12¼
MFG.	REED
TYPE	YT3
SER. NO	D03324
DEPTH OUT	—
HOURS RUN	12½
FOOTAGE	124
REAMER CUTTER No.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
12:30	1:30	3220	3249	DRLG 12¼ HOLE
1:30	1:45			RIG SERVICE & CHECK BOP
1:45	9:00	3249	3314	DRLG

DEVIATION: DEPTH — DEGREES

MUD RECORD

TIME	2:30	7:30
WT.	10.1	10.1
VISC.	52	49
W. L. CC.	4.4	4.2
FLTR. CK.	2/32	2/32
P. H.	8.5	8.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Mucase	50#

DRLG. CREW PAYROLL — HRS.

DRILLER	Lonnie Kouble	12
DERRICK MAN	Pat McCarron	8
MOTOR MAN	Bob Atkins	8
HELPER	Keith Snake	8
HELPER	Arnold Sauer	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No	PIPE SIZE	FEET
23	STAND. D.P.	2977.50
2	SNGLS. D.P.	61.92
11	LNGTH. CLRS.	345.84
	KELLY IN	34.33
2	OTHER Sub	4.80
	TOTAL	3425.39

DRILL COLLARS

No	DIAMETER	LGTH.
3	7¾"	92.23
8	6"	223.61

BIT RECORD

RUN No.	15
SIZE	12¼
MFG.	REED
TYPE	YT3
SER. NO.	D03324
DEPTH OUT	
HOURS RUN	20
FOOTAGE	205
REAMER CUTTER No.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
8:00	10:00	3314		DRLG 12¼" HOLE
10:00	10:15			SERVICE RIG & CHECK BOP
10:15	4:00		3395	DRLG
				CLEAN MUD CONE IN PIT. TRIP

DEVIATION: DEPTH — DEGREES

MUD RECORD

TIME	10:00	2:00
WT.	10.1	10.1
VISC.	51	53
W. L. CC.	4.0	4.0
FLTR. CK.	2/32	2/32
P. H.	8.5	8.0

MUD & CHEM. ADDED

TYPE	AMOUNT
Caustic	50#
Drispac	100#
Soda Ash	50#

DRLG. CREW PAYROLL — HRS.

DRILLER	Darcel Gamble	8
DERRICK MAN	Ed Tomczak	8
MOTOR MAN	Bill Eggers	8
HELPER	John Smith	8
HELPER	Lindy Briggs	8
HELPER	Walter Spencer	8
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No	PIPE SIZE	FEET
4	STAND. D.P.	3469.85
	SNGLS. D.P.	
11	LNGTH. CLRS.	315.84
	KELLY IN	34
2	OTHER Subs	4.80
	TOTAL	3824.49

DRILL COLLARS

No	DIAMETER	LGTH.
3	7¾"	92.23
8	6"	223.61

BIT RECORD

RUN No.	15	16
SIZE	12¼	12¼
MFG.	Reed	Security
TYPE	YT3	YT3
SER. NO.	D03324	D03258
DEPTH OUT	3409	—
HOURS RUN	22	1
FOOTAGE	219	7
REAMER CUTTER No.		
TYPE		

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
4:00	6:00	3395	3409	DRLG
6:00	6:15			RIG SERVICE CHECK BOP ETC
6:15	6:30			SURVEY
6:30	10:00			TRIP - SLIP 32' DRILLING LINE
10:00	10:30			CHANGE KELLY BUSH. ROLLER & STEEL
10:30	11:00			CLEAN TO BTM CLEAN
				BALLED BIT.
11:00	12:00	3409	3416	DRLG (SHALE)

DEVIATION: DEPTH 3405 — DEGREES 3/8°

MUD RECORD

TIME	4:00	
WT.	10.0	
VISC.	48	
W. L. CC.	4.4	
FLTR. CK.	2	
P. H.	8.5	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER	G.A. Wheeler	8
DERRICK MAN	Ed Tomczak	8
MOTOR MAN	Woody Lyons	8
HELPER	Joe Poch	8
HELPER	Keith Rowson	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	750 PSI
POT. R.P.M.		POT. R.P.M.		POT. R.P.M.	150
POINTS WT.		POINTS WT.		POINTS WT.	11
LINER SIZE		LINER SIZE		LINER SIZE	6½

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 2 DAY FROM SPUD DATE

WELL	COMPANY	RIG No	DATE

LSD	SEC	TWP.	RNGE	W/ MER.	PROVINCE	TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
30	STAND. D.P.	2767.34
2	SNGLS. D.P.	58.86
11	LNGTH. CLRS.	315.84
	KELLY IN	15.50
2	OTHER Subs	4.88
	TOTAL	3162.54

DRILL COLLARS

No.	DIAMETER	LGTH.
3	7¾"	92.23
9	6"	223.61

BIT RECORD

RUN No.	14
SIZE	12¼"
MFG.	REED
TYPE	HT3
SER. No.	DA3259
DEPTH OUT	
HOURS RUN	17½
FOOTAGE	171
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
1200	145	3023	3140	DRLG 12¼" HOLE
145	215			RIG SERVICE CHECK BOP - SURVEY
215	800	3140	3105	MIXING.

DEVIATION DEPTH	DEGREES
3040	1¼°

MUD RECORD

TIME	1 PM	1 AM
WT.	10.4	
VISC.	45	42
W. L. CC.	4.8	5.0
FLTR. CK.	2/32	2/32
P. H.	9.0	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT
Bicarb	25#

DRLG. CREW PAYROLL

		HRS.
DRILLER	Richard Kaulie	8
DERRICK MAN	Pat McCarron	8
MOTOR MAN	Bob Atkins	8
HELPER	Keith Smoke	8
HELPER	Arnold Sayers	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
31	STAND. D.P.	2946.38
1	SNGLS. D.P.	30.75
11	LNGTH. CLRS.	315.84
	KELLY IN	42.23
2	OTHER Subs	4.90
	TOTAL	3340.10

DRILL COLLARS

No.	DIAMETER	LGTH.
3	7¾"	92.23
9	6"	223.61

BIT RECORD

RUN No.	14
SIZE	12¼"
MFG.	REED
TYPE	HT3
SER. No.	DA3259
DEPTH OUT	
HOURS RUN	25½
FOOTAGE	256
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
8:00	10:00	3105		DRILLING 12¼" HOLE
10:00	10:15			SERVICE RIG & CHECK BOP
10:15	4:00		3190	DRLG.

DEVIATION DEPTH	DEGREES

MUD RECORD

TIME	9 AM	2 PM
WT.	11.0	11.0
VISC.	46	48
W. L. CC.	5.4	5.5
FLTR. CK.	2/32	2/32
P. H.	8.5	9.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Soda Ash	100 #
Drispac	25 #
Lignite	150 #

DRLG. CREW PAYROLL

		HRS.
DRILLER	Richard Kaulie	8
DERRICK MAN	Pat McCarron	8
MOTOR MAN	Bill Ferris	8
HELPER	Todd Sayers	8
HELPER	Harold Sayers	8
HELPER	Walter Spitzer	8
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
32	STAND. D.P.	3006.82
	SNGLS. D.P.	
11	LNGTH. CLRS.	315.84
	KELLY IN	27
2	OTHER Subs	4.88
	TOTAL	3354.54

DRILL COLLARS

No.	DIAMETER	LGTH.
3	7¾"	92.23
9	6"	223.61

BIT RECORD

RUN No.	15
SIZE	12¼
MFG.	REED
TYPE	HT3
SER. No.	DA3236
DEPTH OUT	—
HOURS RUN	6¾
FOOTAGE	44
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4:00	4:15			RIG SERVICE CHECK BOP
4:15	4:30			SURVEY
4:30	7:15			TRIP. TEAM BROKE 2 STANDS
7:15	11:00	3190	3234	DRLG. (SAMPLE.)

DEVIATION DEPTH	DEGREES
3185	¾°

MUD RECORD

TIME		
WT.	11.0	
VISC.	46	
W. L. CC.	5.4	
FLTR. CK.	2/32	
P. H.	9.5	

MUD & CHEM. ADDED

TYPE	AMOUNT
Drispac	25#

DRLG. CREW PAYROLL

		HRS.
DRILLER	G. A. Wignall	8
DERRICK MAN	Ed. Jamieson	8
MOTOR MAN	Joe Pock	8
HELPER	Merrill Lyons	8
HELPER	Keith Robinson	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	700 PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	70
POINTS WT.		POINTS WT.		POINTS WT.	4
LINER SIZE		LINER SIZE		LINER SIZE	5½

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE [illegible] DAY FROM SPUD DATE

WELL | COMPANY | RIG No | DATE

LSD | SEC | TWP | RNGE | W/ MER | PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

No	PIPE SIZE	FEET
23	STAND D.P	2116.91
1	SNGLS. D.P.	[illegible]
11	LNGTH. CLRS.	2[illegible]
	KELLY IN	42.50
2	OTHER SUBS	4.80
	TOTAL	2820.21

DRILL COLLARS

No.	DIAMETER	LGTH.
3	7 3/8	92.23
8	6	223.61

BIT RECORD

RUN NO.	13
SIZE	12 1/4
MFG.	REED
TYPE	YT3
SER. NO.	D03255
DEPTH OUT	2920
HOURS RUN	19 1/4
FOOTAGE	135
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
[illegible]	3 a.m.	[illegible]	2790	Dr[illegible]
3 a.m.	3 a.m.			Rig Service + Survey + Check BOP
3 a.m.	9 a.m.	2790	2920	Drlg

DEVIATION

DEPTH	DEGREES
2790	1/4

MUD RECORD

TIME	[illegible]	[illegible]
WT.	10[illegible]	10.2
VISC.	[illegible]	45
W. L. CC.	[illegible]	4.2
FLTR. CK.	2/32	2/32
P. H.	7.6	8.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Drispac	50 lbs

DRLG. CREW PAYROLL

		HRS.
DRILLER	Richard Keeble	8
DERRICK MAN	Pat McCashin	8
MOTOR MAN	Bob Atkins	8
HELPER	Keith Smith	8
HELPER	Arnold Sayers	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
23	STAND D.P.	2526.82
2	SNGLS. D.P.	60.40
11	LNGTH. CLRS.	345.84
	KELLY IN	42.50
2	OTHER Subs	4.80
	TOTAL	2980.36

DRILL COLLARS

No.	DIAMETER	LGTH.
3	7 3/8	92.23
8	6	223.61

BIT RECORD

RUN No.	13	14
SIZE	12 1/4	12 1/4
MFG.	REED	REED
TYPE	YT3	YT3
SER. No.	D03255	D03255
DEPTH OUT	2934	
HOURS RUN	19 1/4	2 1/4
FOOTAGE	135	16
REAMER CUTTER No.		
TYPE		

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
9 a.m.	9.5			Service Rig + Check BOP
9.5	10.15	2920	2934	Drlg 12 1/4" Hole
10.15	10.30			Survey + Blow Kelly
10.30	1.15			Trip for Bit # 14
1.15	1.45			Clean 15' To Bottom
1.45	4.00	2934	2950	Drilling

DEVIATION

DEPTH	DEGREES
2930	[illegible]

MUD RECORD

TIME	[illegible]	
WT.	10.4	
VISC.	39	
W. L. CC.	4.4	
FLTR. CK.	2/32	
P. H.	8.0	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	[illegible]	8
DERRICK MAN	[illegible]	8
MOTOR MAN	Bill [illegible]	8
HELPER	John [illegible]	8
HELPER	Harry [illegible]	8
HELPER	[illegible]	8
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
23	STAND D.P.	2628.82
2	SNGLS. D.P.	59.62
11	LNGTH. CLRS.	345.84
	KELLY IN	25
2	OTHER Subs	4.80
	TOTAL	3023.28

DRILL COLLARS

No.	DIAMETER	LGTH.
3	7 3/8"	92.23
8	6"	223.61

BIT RECORD

RUN NO.	14
SIZE	12 1/4
MFG.	REED
TYPE	YT3
SER. NO.	D03259
DEPTH OUT	—
HOURS RUN	10
FOOTAGE	89
REAMER CUTTER No	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4:00	4:15			Rig Service Check BOP
4:15	12:00	2950	3023	Drlg Shale
				Cleaned Setting Tank

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	[illegible]	[illegible]
WT.	[illegible]	10.9
VISC.	[illegible]	52
W. L. CC.	[illegible]	4.2
FLTR. CK.	[illegible]	[illegible]
P. H.	[illegible]	8.0

MUD & CHEM. ADDED

TYPE	AMOUNT
[illegible]	[illegible]
[illegible]	[illegible]

DRLG. CREW PAYROLL

		HRS.
DRILLER	G. A. Nelson	8
DERRICK MAN	Ed. Johnson	8
MOTOR MAN	Joe. Finch	8
HELPER	Merrit Lyons	8
HELPER	Keith Robinson	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

7300'

SLUSH PUMP RECORD

MORNING TOUR	DAY TOUR	EVENING TOUR
PUMP PRES. PSI	PUMP PRES. PSI	PUMP PRES. [illegible] PSI
ROT. R.P.M.	ROT. R.P.M.	ROT. R.P.M.
POINTS WT.	POINTS WT.	POINTS WT.
LINER SIZE	LINER SIZE	LINER SIZE

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 12 DAY FROM SPUD DATE

WELL [illegible] COMPANY [illegible] RIG No [illegible] DATE [illegible]

LSD SEC TWP RNGE W MER PROVINCE [illegible] TOOL PUSHER [illegible]

MORNING TOUR — DAY TOUR

IN HOLE — END OF TOUR

No	PIPE SIZE	FEET
25	STAND. D.P.	2413
	SNGLS. D.P.	60.03
9	LNGTH. CLRS.	241.67
	KELLY IN	14.50
2	OTHER subs	4.80
	TOTAL	2783.00

DRILL COLLARS

No.	DIAMETER	LGTH.
3	7 3/4	92.23
2	6"	168.24

BIT RECORD

RUN No.	12
SIZE	12 1/4"
MFG.	REED
TYPE	HP3
SER. No.	F10058
DEPTH OUT	
HOURS RUN	12 1/4 Rotating
FOOTAGE	80 Rotating
REAMER CUTTER No.	4 Blade
TYPE	

TIME

FROM	TO
1200	1100
1100	1300
1300	715
715	800

DRILLED

FROM	TO
2736	2746
2746	2779
2779	2783

FORMATION AND EXPLANATION

Reaming Rat Hole 8 3/4" - 12 1/4"

R/S repair engine and pump

Reaming Rat Hole 8 3/4" - 12 1/4"

DRLG 12 1/4" HOLE.

DEVIATION

DEPTH	DEGREES
2746	1

MUD RECORD

TIME	1:30	7:30
WT.	13.4	13.4
VISC.	47	47
W. L. CC.	4.0	4.0
FLTR. CK.	2/32	2/32
P. H.	8.0	8.0

MUD & CHEM. ADDED

TYPE	AMOUNT
GEL	1000#

DRLG. CREW PAYROLL

		HRS.
DRILLER	RICHARD KEABLE	8
DERRICK MAN	PAT McCARRON	8
MOTOR MAN	BOB ATKINS	8
HELPER	KEITH SMITH	8
HELPER	HAROLD SEVERS	8
HELPER		
HELPER		

EVENING TOUR — DAY TOUR

IN HOLE — END OF TOUR

No	PIPE SIZE	FEET
27	STAND. D.P.	2487.00
1	SNGLS. D.P.	30.84
11	LNGTH. CLRS.	[illegible]
	KELLY IN	26.
2	OTHER Subs	4.80
	TOTAL	[illegible]

DRILL COLLARS

No.	DIAMETER	LGTH.
3	7 3/4	92.23
2	6"	168.24

BIT RECORD

RUN No.	12	B
SIZE	12 1/4	12 1/4
MFG.	Reed	Reed
TYPE	HP3	HP3
SER. No.	F10058	D0325
DEPTH OUT	2799	
HOURS RUN	14 3/4	
FOOTAGE	80	
REAMER CUTTER No.		
TYPE		

TIME

FROM	TO
8:00	8:15
8:15	9:00
9:00	10:15
10:15	1:15
1:15	2:00
2:00	4:00

DRILLED

FROM	TO
2783	2799
2799	2814

FORMATION AND EXPLANATION

Service Rig & Check BOP

Drilling 12 1/4" Hole

Clean Kelly

Trip for Bit # 2

Clean 30' To Bottom

Drilling

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	7:30	
WT. #	10.5	
VISC.	70	
W. L. CC.	4.0	
FLTR. CK.	2/32	
P. H.	8.0	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	ANDREW GOMES	8
DERRICK MAN	ED. TERRACE	8
MOTOR MAN	BILL EVERS	8
HELPER	JOHN SMITH	8
HELPER	HENRY REIGER	8
HELPER	WALTER SCHNEIDER	8
HELPER		

EVENING TOUR — DAY TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
29	STAND. D.P.	2672.00
	SNGLS. D.P.	
11	LNGTH. CLRS.	315.84
	KELLY IN	26
2	OTHER Subs	4.80
	TOTAL	2818.64

DRILL COLLARS

No	DIAMETER	LGTH.
3	7 7/8"	92.23
2	6"	228.61

BIT RECORD

RUN No.	13
SIZE	12 1/4
MFG.	REED
TYPE	Hp3ft
SER. No.	VT3
DEPTH OUT	
HOURS RUN	9 3/4
FOOTAGE	68
REAMER CUTTER No.	
TYPE	

TIME

FROM	TO
4:00	6:00
6:00	6:15
6:15	12:00

DRILLED

FROM	TO
2814	2830
2830	2861

FORMATION AND EXPLANATION

Drlg. Slide

Rig Service. Check BOP

Drlg. Slide

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	6:00	12:00
WT.	10.4	10.4
VISC.	68	68
W. L. CC.	4.0	4.0
FLTR. CK.	2	2
P. H.	7.1	8.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Gel	25
Lig	50
Caus	25

DRLG. CREW PAYROLL

		HRS.
DRILLER	G. A. [illegible]	8
DERRICK MAN	Ed Terrace	8
MOTOR MAN	Joe Plume	8
HELPER	Merrill Lyons	8
HELPER	Kiem Pearson	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

6958' Pipe wt. CHANGED OIL #1, 2, 3 D 13000 # SUPERIOR

SLUSH PUMP RECORD

MORNING TOUR	DAY TOUR	EVENING TOUR
PUMP PRES. PSI	PUMP PRES. PSI	PUMP PRES. 650 PSI
ROT. R.P.M.	ROT. R.P.M.	ROT. R.P.M. 60 - 70
POINTS WT	POINTS WT	POINTS WT 13.
LINER SIZE	LINER SIZE	LINER SIZE 6 1/2

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY EDMONTON

THIS IS THE 13 DAY FROM SPUD DATE

WELL | COMPANY | RIG NO. 10 | DATE

LSD | SEC | TWP | RNGE | W/ MER | PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
2	STAND. D.P.	2626.39
1	SNGLS. D.P.	60.74
9	LNGTH. CLRS.	269.72
	KELLY IN	31.50
1	OTHER SUB	2.25
	TOTAL	2779 KB

DRILL COLLARS

NO.	DIAMETER	LGTH.
9	6"	259.23

BIT RECORD

RUN NO.	11
SIZE	8¾
MFG.	REED
TYPE	4T3
SER. NO.	M4853
DEPTH OUT	2779
HOURS RUN	11½
FOOTAGE	80
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
12:00	1:00	2:50	2759	DRLG 8¾" HOLE
1:00	1:15			RIG SERVICE & CHECK BOPS
1:15	4:15	2719	2779.	DRLG 8¾" HOLE
4:15	6:15			CIRC TO RUN PACKER TEST
6:15	6:30			BLOW KELLY
6:30	7:45			TEST TO RUN PACKER
7:45	8:00			MAKING UP PACKER

DEVIATION: DEPTH | DEGREES

MUD RECORD

TIME	12:00	4:30
WT.	10.4	10.5
VISC.	61	63
W. L. CC.	4.2	4.0
FLTR. CK.	2/32	2/32
P. H.	9.0	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT
Bicarb	50#

DRLG. CREW PAYROLL

		HRS.
DRILLER	RICHARD BOURKE	8
DERRICK MAN	PAT McCARRON	8
MOTOR MAN	BOB ATKINS	8
HELPER	KEITH SMALE	8
HELPER	ARNOLD SAYERS	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
27	STAND. D.P.	2508
1	SNGLS. D.P.	30.50
9	LNGTH. CLRS.	269.73
	KELLY IN	
1	OTHER Sub	2.25
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.
9	6"	259.73

BIT RECORD

RUN NO.	
SIZE	
MFG.	
TYPE	
SER. NO.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
8:00	8:15	DST #1		SERVICE RIG & CHECK BOPS
8:15	9:30	2714	2779	DRLG 8¾" HOLE
9:30	11:00			RUN DST TOOLS
11:00	11:15	ISIP 30" - 90"		RIG UP TO TEST
11:15	1:30	FSIP - 60"		TESTING
1:30	2:45	Hydro - 4000#		PULL OUT
2:45	4:00	Tool open		BREAK & LAY DOWN PACKER
		Recover 10' Drlg Mud		

DEVIATION: DEPTH | DEGREES

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	RICHARD BOURKE	8
DERRICK MAN	PAT McCARRON	8
MOTOR MAN	BOB ATKINS	8
HELPER	KEITH SMALE	8
HELPER	ARNOLD SAYERS	8
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
27	STAND. D.P.	2427.09
	SNGLS. D.P.	
9	LNGTH. CLRS.	261.47
	KELLY IN	36.
2	OTHER Subs	4.80
	TOTAL	2699 5.46

DRILL COLLARS

NO.	DIAMETER	LGTH.
3	7¾"	92.23
28	6"	169.24

BIT RECORD

RUN NO.	11A
SIZE	8¾
MFG.	Reed
TYPE	4T3
SER. NO.	M4853
DEPTH OUT	2699
HOURS RUN	5½
FOOTAGE	39
REAMER CUTTER NO.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4:00	4:15			RIG SERVICE, CHECK BOPS
4:15	5:45			PICKUP DCs RUN IN
5:45	6:30			REAM TIGHT SPOT 2620-2
6:30	12:00	2699	2738	REAM ROTHOLE 8¾-12¼

DEVIATION: DEPTH | DEGREES

MUD RECORD

TIME	3:45	
WT.	10.4	
VISC.	64	
W. L. CC.	3.8	
FLTR. CK.	2	
P. H.	9.0	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	G. BLANCHARD	8
DERRICK MAN	ED ANDERSON	8
MOTOR MAN	JOE POOLE	8
HELPER	MICHAEL LUCAS	8
HELPER	KERR ROBINSON	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

Started Running Tools @ 12:00 Noon Tool Tester Mona Lisa

Ran 2 7/8" - 6.5# EUE Tbg Set Packer @ 2670

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES	PSI	PUMP PRES	1000 PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	80-100
POINTS WT.		POINTS WT.		POINTS WT.	5-10
LINER SIZE		LINER SIZE		LINER SIZE	6½

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE ____ DAY FROM SPUD DATE

WELL | COMPANY | RIG No | DATE

LSD | SEC | TWP | RNGE | W/ MER | PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
24	STAND. D.P	2246.27
	SNGLS. D.P	
11	LNGTH. CLRS.	315.96
	KELLY IN	32.00
STR	OTHER	4.30
	TOTAL	2648.27

DRILL COLLARS

NO.	DIAMETER	LGTH.
2	7¾"	62.23
1	6"	30.61

BIT RECORD

RUN No.	2
SIZE	12¼
MFG.	REED
TYPE	HT3
SER. No.	[illegible]
DEPTH OUT	—
HOURS RUN	8¾
FOOTAGE	63
REAMER CUTTER No.	
TYPE	

TIME

FROM	TO
1200	2:00
2:00	2:15
2:15	4:00

DRILLED

FROM	TO
[illegible]	[illegible]
2648	2685

FORMATION AND EXPLANATION

DRLG 12¼" HOLE
RIG SERVICE & CHECK B.O.P.
DRLG.

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	8:00	5:00
WT.	10.4	10.4
VISC.	72	57
W. L. CC.	9.8	4.0
FLTR. CK.	2/32	2/32
P. H.	9.0	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	Richard Kouble	7
DERRICK MAN	Pat McCarron	8
MOTOR MAN	Jack Hicks	8
HELPER	Keith Lavoie	8
HELPER	Howard Sayers	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
26	STAND. D.P	2446.58
	SNGLS. D.P	
11	LNGTH. CLRS.	315.96
	KELLY IN	32.00
2	COUPLING	4.30
	TOTAL	2798.84

DRILL COLLARS

NO.	DIAMETER	LGTH.
2	7¾"	62.23
1	6"	30.61

BIT RECORD

	10	11
RUN No.		
SIZE	12¼	9¾
MFG.	Reed	Reed
TYPE	HT3	HT3
SER. No.	[illegible]	[illegible]
DEPTH OUT	2660	
HOURS RUN	9½	
FOOTAGE	71	
REAMER CUTTER No.		
TYPE		

TIME

FROM	TO
3:00	3:45
3:45	9:15
9:15	9:30
9:30	11:15
11:15	2:30
2:30	4:00

DRILLED

FROM	TO
2695	2699

FORMATION AND EXPLANATION

Deviation
Circ. - Sample
Survey & Service Rig
Pull out to Service Hole
Change Heads & Liners
in G.X.B Table
Pick up Bottom 2660 1°
Hole Dry & Pull out

DEVIATION

DEPTH	DEGREES
2660	1°

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	Gordon Blair	8
DERRICK MAN	Ed Tomson	8
MOTOR MAN	Bill Ferris	8
HELPER	John Sellers	8
HELPER	Harry Reiter	8
HELPER	Wayne Simpson	8
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
27	STAND. D.P.	2525.39
1	SNGLS. D.P.	30.64
9	LNGTH. CLRS.	269.73
	KELLY IN	32
1	OTHER Sub	2.25
	TOTAL	2849.91

DRILL COLLARS

NO.	DIAMETER	LGTH.
9	6"	269.73

BIT RECORD

	11
RUN No.	
SIZE	8¾
MFG.	REED
TYPE	HT3
SER. No.	[illegible]
DEPTH OUT	—
HOURS RUN	7½
FOOTAGE	51
REAMER CUTTER No.	
TYPE	

TIME

FROM	TO
4:00	4:15
4:15	4:30
4:30	12:00

DRILLED

FROM	TO
2699	2750

FORMATION AND EXPLANATION

FINISH IN
RIG SERVICE CHECK B.O.P.
DRLG 8¾" (Time)

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	7:00	12:00
WT.	10.4	10.4
VISC.	59	57
W. L. CC.	4.8	4.0
FLTR. CK.	2/	2/32
P. H.	9.0	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT
M.B.C.	

DRLG. CREW PAYROLL

		HRS.
DRILLER	G.A. Walker	8
DERRICK MAN	Ed Tomson	8
MOTOR MAN	Joe Poch	8
HELPER	Merrill Lyons	8
HELPER	Keith Lyons	8
HELPER	Relieved	
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	700 PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	120
POINTS WT.		POINTS WT.		POINTS WT.	50
LINER SIZE		LINER SIZE		LINER SIZE	6½"

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 11 DAY FROM SPUD DATE

WELL | COMPANY | RIG NO. | DATE

LSD | SEC | TWP | RNGE | W/ MER | PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

No	PIPE SIZE	FEET
25	STAND. D.P.	2169.27
	SNGLS. D.P.	20.20
11	LNGTH. CLRS.	316.84
	KELLY IN	23.60
548	OTHER	4.80
	TOTAL	2534.71

DRILL COLLARS

No	DIAMETER	LNGTH.
3	7 3/4"	92.25
8	6"	223.31

BIT RECORD

RUN No	9
SIZE	12 1/4"
MFG.	REED
TYPE	YT3
SER. No.	D23115
DEPTH OUT	—
HOURS RUN	14 1/2
FOOTAGE	245
REAMER CUTTER No.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
12:00	12:15			RIG SERVICE + CHECK BOPE
12:15	4:30	2454	2499	DRLG 12¼" HOLE
4:30	4:45			SURVEY
4:45	9:00	2499	2544	DRLG.

DEVIATION

DEPTH	DEGREES
2488	1

MUD RECORD

TIME	1 PM	6:30
WT.	10.0	10.0
VISC.	69	71
W. L. CC.	42	46
FLTR. CK.	2/32	2/32
P. H.	9.6	9.5

MUD & CHEM. ADDED

TYPE	AMOUNT
GEL	2 900#

DRLG. CREW PAYROLL

		HRS.
DRILLER	RICHARD KOUBLE	8
DERRICK MAN	PAT McCARROD	8
MOTOR MAN	BOB ATKINS	8
HELPER	KEITH SIMBLE	8
HELPER	HAROLD SAYERS	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No	PIPE SIZE	FEET
25	STAND. D.P.	2169.27
	SNGLS. D.P.	20.20
11	LNGTH. CLRS.	316.84
	KELLY IN	23.60
2	OTHER	4.80
	TOTAL	2534.71

DRILL COLLARS

No	DIAMETER	LNGTH.
3	7 3/4"	92.25
9	6"	223.31

BIT RECORD

RUN No.	9
SIZE	12¼"
MFG.	REED
TYPE	YT3
SER. No.	D23115
DEPTH OUT	
HOURS RUN	22¼
FOOTAGE	321
REAMER CUTTER No.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
8:00	8:15			SERVICE RIG + CHECK BOPE
8:15	11:45	2544		DRLG.
11:45	12:30			TRIP FOR BIT
12:30	4:00		2616	DRILLING

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	6 AM	6 PM
WT.	10.0	10.0
VISC.	53	70
W. L. CC.	40	8.2
FLTR. CK.	2/32	2/32
P. H.	9.0	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	[illegible]	8
DERRICK MAN	[illegible]	8
MOTOR MAN	[illegible]	8
HELPER	[illegible]	8
HELPER	[illegible]	8
HELPER	[illegible]	8
HELPER	[illegible]	8

EVENING TOUR

IN HOLE — END OF TOUR

No	PIPE SIZE	FEET
25	STAND. D.P.	2169.27
1	SNGLS. D.P.	20.20
11	LNGTH. CLRS.	316.84
	KELLY IN	23.60
2	OTHER	4.80
	TOTAL	2534.71

DRILL COLLARS

No	DIAMETER	LNGTH.
3	7 3/4	92.25
8	6"	223.61

BIT RECORD

RUN No.	9	10
SIZE	12¼"	12¼"
MFG.	REED	REED
TYPE	YT3	YT3
SER. No.	D23115	D23365
DEPTH OUT	2629	—
HOURS RUN	23¾	1
FOOTAGE	533	5
REAMER CUTTER No		
TYPE		

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
4:00	4:15			RIG SERVICE
4:15	5:45	2616	2629	DRLG. - SLIDE
5:45	8:00			THRU OUT STRAIGHT LINES
8:00	8:15			SURVEY
8:15	11:00			TRIP
11:00	12:00	2629	2633	DRLG

DEVIATION

DEPTH	DEGREES
2628	2/3

MUD RECORD

TIME	6 PM	
WT.	10.0	
VISC.	53	
W. L. CC.	4.2	
FLTR. CK.	2/32	
P. H.	9	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	C.R. WALKER	8
DERRICK MAN	ED JOHNSON	8
MOTOR MAN	[illegible] POCH	8
HELPER	ARLENE LYONS	8
HELPER	GLEN ROBINSON	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	700 PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	115
POINTS WT.		POINTS WT.		POINTS WT.	12
LINER SIZE		LINER SIZE		LINER SIZE	7"

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 15 DAY FROM SPUD DATE

WELL Clear Fo #2 | COMPANY Home oil | RIG NO 24 | DATE Jan 12 [illegible]

LSD | SEC | TWP | RNGE | W/ MER. | PROVINCE Alta | TOOL PUSHER [illegible]

MORNING TOUR

IN HOLE — END OF TOUR

NO	PIPE SIZE	FEET
21	STAND. D.P.	1896.58
	SINGLE D.P.	
11	LNGTH. CLRS.	345.04
	KELLY IN	38.50
3	OTHER	4.80
	TOTAL	2284.92

DRILL COLLARS

NO.	DIAMETER	LNGTH.
3	7¾	92.23
1	6"	223.61

BIT RECORD

RUN NO.	2
SIZE	12¼"
MFG.	Reed
TYPE	4T3
SER. NO.	D2335
DEPTH OUT	—
HOURS RUN	17
FOOTAGE	166
REAMER CUTTER NO.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
12:00	12:15			Rig Service & Checkbook
12:15	2:15	2164	2198	Drlg 12¼" Hole
2:15	2:30			Survey
2:30	4:00	2198	2284	Drlg.

DEVIATION

DEPTH	DEGREES
2198	¾

MUD RECORD

TIME	4:00	8:30
WT.	10.0	10.0
VISC.	66	64
W. L. CC.	4.2	4.2
FLTR. CK.	2/32	2/32
P.H.	9.5	9.5

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER	Richard Goeble	8
DERRICK MAN	Pat McCann	8
MOTOR MAN	Bob Hicks	8
HELPER	Keith Sauke	8
HELPER	Alvin Seifert	8

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
21	STAND. D.P.	1896.58
	SINGLE D.P.	46.41
11	LNGTH. CLRS.	345.04
	KELLY IN	38.50
2	OTHER 6pt	4.80
	TOTAL	2331.33

DRILL COLLARS

NO.	DIAMETER	LNGTH.
3	7¾	92.23
1	6"	223.61

BIT RECORD

RUN NO.	2	3
SIZE	12¼"	12¼"
MFG.	Reed	Reed
TYPE	4T3	4T3
SER. NO.	D2335	D2335
DEPTH OUT	2284	2331
HOURS RUN	21¾	7¼
FOOTAGE	214	47
REAMER CUTTER No.		
TYPE		

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
8:00	9:15			Service Rig & Checkbook
9:15	1:00	2284	2331	Drlg.
1:00	1:15			Drop Survey & Pull out
1:15	3:45			Trip for 3rt in 9" Hole
3:45	4:00			Tight 220' off Bottom
				Clean to
				Bottom

DEVIATION

DEPTH	DEGREES
2284	¾

MUD RECORD

TIME	4:00	8:30
WT.	10.0	10.0
VISC.	66	64
W. L. CC.	4.2	4.2
FLTR. CK.	2/32	2/32
P.H.	9.5	9.5

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER	Richard Goeble	8
DERRICK MAN	Pat McCann	8
MOTOR MAN	Bob Hicks	8
HELPER	Keith Sauke	8
HELPER	Alvin Seifert	8
HELPER	[illegible]	8
HELPER	[illegible]	8
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
21	STAND. D.P.	1896.58
	SINGLE D.P.	46.41
11	LNGTH. CLRS.	345.04
	KELLY IN	38
3	OTHER 6pt	4.80
	TOTAL	2331.33

DRILL COLLARS

NO.	DIAMETER	LNGTH.
3	7¾	92.23
1	6"	223.61

BIT RECORD

RUN NO.	3
SIZE	12¼
MFG.	Reed
TYPE	4T3
SER. NO.	D2335
DEPTH OUT	—
HOURS RUN	7¼
FOOTAGE	139
REAMER CUTTER NO	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
4:00	4:15			Rig Service Check Book
4:15	9:45	2295	2408	Drlg. Shale
9:45	10:45			Survey.
10:15	12:00	2408	2434	Drlg. Shale.
				Cleaned Setting Trick.

DEVIATION

DEPTH	DEGREES
2387	¾

MUD RECORD

TIME	4:00	8:30
WT.	10.5	10.4
VISC.	68	72
W. L. CC.	5.4	5.4
FLTR. CK.	2/32	2/32
P.H.	9.5	9.2

MUD & CHEM. ADDED

TYPE	AMOUNT
Kwik Seal	50 lb
Caustic	25 lb
Lignite	100 lb

DRLG. CREW PAYROLL — HRS.

DRILLER	G H Wicker	8
DERRICK MAN	E.O. Townsend	8
MOTOR MAN	Joe Pech	8
HELPER	Merrill Lyons	8
HELPER	Leroy Davidson	8
HELPER		
HELPER	Trip for Yellow	

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	700 PSI	PUMP PRES.	720 PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	115
POINTS WT.		POINTS WT.		POINTS WT.	15-16
LINER SIZE		LINER SIZE		LINER SIZE	7¼

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 1st DAY FROM SPUD DATE

WELL: CC HOTH #5 | COMPANY: Home Oil | RIG No. 24 | DATE: Jan 6

LSD | SEC | TWP | RNGE | W/ MER. | PROVINCE: Alta | TOOL PUSHER: Frank

DAYS TOUR

IN HOLE — END OF TOUR

No	PIPE SIZE	FEET
19	STAND. D.P.	1794.32
	SINGLS. D.P.	
11	LNGTH. CLRS.	315.84
	KELLY IN	35.50
	OTHER	4.80
Surv	TOTAL	2150.46
	DRILL COLLARS	
No.	DIAMETER	LGTH.
4	7¾"	92.23
8	6"	223.61

BIT RECORD

RUN No.	2
SIZE	12¼
MFG.	Reed
TYPE	HT2
SER. No.	165249
DEPTH OUT	
HOURS RUN	12¾
FOOTAGE	188
REAMER CUTTER No.	
TYPE	

TIME

FROM	TO
1200	1215
1215	1330
1330	2345
2345	0345
0345	0900

DRILLED

FROM	TO
1949	1986
1986	2150

FORMATION AND EXPLANATION

Rig Service Check Rods
DRLG 12¼" Hole.
Survey
DRLG.
Change Chain Locking Collar
1986 ft

MUD RECORD

TIME	1000	1100
WT.	9.2	9.2
VISC.	74	75
W.L. CC.	46	40
FLTR. CK.	2/32	2/32
P.H.	9.0	9.0
MUD & CHEM. ADDED		
TYPE		
Soda Ash		

DRLG. CREW PAYROLL

	HRS.
DRILLER Richard Double	8
DERRICK MAN Pat McCarron	8
MOTOR MAN Bob St Kitt	8
HELPER Keith Smith	8
HELPER Charlie Scott	8
HELPER	
HELPER	

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
20	STAND. D.P.	1794.32
	SINGLS. D.P.	
11	LNGTH. CLRS.	315.84
	KELLY IN	39.
	OTHER	4.80
	TOTAL	2113.96
	DRILL COLLARS	
No.	DIAMETER	LGTH.
3	7¾"	92.23
8	6"	223.61

BIT RECORD

RUN No.	3
SIZE	12¼
MFG.	Reed
TYPE	HT3
SER. No	165235
DEPTH OUT	2150
HOURS RUN	5½
FOOTAGE	63
REAMER CUTTER No.	
TYPE	

TIME

FROM	TO
0400	0415
0415	0945
0945	1015
1015	1200

DRILLED

FROM	TO
2108	2149
2149	2164

FORMATION AND EXPLANATION

Rig Service Check Rods
DRLG
Repair Rotary chain.
DRLG

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	0400	1100
WT.	9.2	9.2
VISC.	42	47
W.L. CC.	48	52
FLTR. CK.	2/32	2/32
P.H.	9.5	9.5
MUD & CHEM. ADDED		
TYPE	AMOUNT	
Red Flo	50	
Soda Ash	15#	
Lost 150 bbls		

DRLG. CREW PAYROLL

	HRS.
DRILLER Ed Hooker	8
DERRICK MAN Ed Tomlinson	8
MOTOR MAN Joe Foch	8
HELPER Merrill Lyons	8
HELPER Keith Robinson	8
HELPER	
HELPER	

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 5 DAY FROM SPUD DATE

WELL | COMPANY | RIG NO. 2 | DATE June 6

LSD | SEC | TWP. | RNGE. | W/ MER. | PROVINCE | TOOL PUSHER

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
17	STAND. D.P.	1533.32
1	SNGLS. D.P.	20.95
6	LNGTH. CLRS.	229.10
	KELLY IN	36.00
	OTHER	4.80
	TOTAL	1824.37

DRILL COLLARS

NO.	DIAMETER	LNGTH.
1	7 7/8	92.23
5	6	137.57

BIT RECORD

RUN NO.	6
SIZE	12 1/4
MFG.	REED
TYPE	YT3
SER. NO.	KW769
DEPTH OUT	—
HOURS RUN	8 3/4
FOOTAGE	80
REAMER CUTTER NO.	
TYPE	

MORNING TOUR

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
12:00	12:15			Rig Service & Check Sub & Lubricate Crown
12:15	3:30			Check Sub & Lubricate Crown & Blocks
				Airline To #3 Motor Throttle
3:30	9:00	1780	1835	Drlg 12¼" Hole

DEVIATION

DEPTH	DEGREES
1755	¾°

Dismantle Blow Down Stack Tank

MUD RECORD

	TIME	1:30	7 A.M.
	WT.	9.6	9.6
	VISC.	36	42
	W. L. CC	6.0	6.0
	FLTR. CK.	2/32	2/32
	P. H.	9.0	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT

DRL'G. CREW PAYROLL

		HRS.
DRILLER	Richard Bourque	8
DERRICK MAN	Pat McCarron	8
MOTOR MAN	Bob Atkins	8
HELPER	Keith Stone	8
HELPER	Alasdair Sayers	8
HELPER		
HELPER		

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
17	STAND. D.P.	1533.32
2	SNGLS. D.P.	41.90
6	LNGTH. CLRS.	229.10
	KELLY IN	36.00
	OTHER	4.80
	TOTAL	1845.12

DRILL COLLARS

NO.	DIAMETER	LNGTH.
3	7 7/8	92.23
5	6	137.57

BIT RECORD

RUN NO.	6	7
SIZE	12¼	12¼
MFG.	REED	REED
TYPE	YT3	YT3
SER. NO.	KW769	KW769
DEPTH OUT	1835	1922
HOURS RUN	12¾	12¾
FOOTAGE	117	87
REAMER CUTTER NO.		
TYPE		

DAY TOUR

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
8:00	8:15			Service Rig + Check Rig
8:15	12:15	1835	1922	Drlg.
12:15	12:20			Trip Pick up 3 DCs
12:20	8:00			Trip

DEVIATION

DEPTH	DEGREES
1870	¾°
Drilled	

MUD RECORD

	TIME	1:30	7 A.M.
	WT.	9.6	9.6
	VISC.	36	42
	W. L. CC	6.0	6.0
	FLTR. CK.	2/32	2/32
	P. H.	9.0	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT
Gel	12 Sx
Caustic	15

DRL'G. CREW PAYROLL

		HRS.
DRILLER	Tom Smith	8
DERRICK MAN	Lloyd Woods	8
MOTOR MAN	Joe Pace	8
HELPER	Merrill Lyons	8
HELPER	Keith Robinson	8
HELPER		
HELPER		

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
17	STAND. D.P.	1533.32
2	SNGLS. D.P.	41.73
7	LNGTH. CLRS.	315.95
	KELLY IN	33.04
	OTHER	4.80
	TOTAL	1949.00

DRILL COLLARS

NO.	DIAMETER	LNGTH.
3	7 7/8	92.23
8	6	223.61

BIT RECORD

RUN NO.	7
SIZE	12¼
MFG.	REED
TYPE	YT3
SER. NO.	L05044
DEPTH OUT	—
HOURS RUN	5 3/4
FOOTAGE	77
REAMER CUTTER NO.	
TYPE	

EVENING TOUR

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4:00	4:15			Rig Service
4:15	4:45			Rig in
4:45	6:00	1872	1896	Drlg.
6:00	8:00			Work pipe clean out hole conn. tight
8:00	12:00	1896	1949	Drlg.

DEVIATION

DEPTH	DEGREES

MUD RECORD

	TIME	4:30	11:30
	WT.	9.2	9.2
	VISC.	40	41
	W. L. CC	5.2	4.8
	FLTR. CK.	2/32	2/32
	P. H.	9.0	9.5

MUD & CHEM. ADDED

TYPE	AMOUNT
Caustic	15
Gel	12
Lime	5

DRL'G. CREW PAYROLL

		HRS.
DRILLER	C. H. Walker	8
DERRICK MAN	D. Jamieson	8
MOTOR MAN	Joe Pace	8
HELPER	Merrill Lyons	8
HELPER	Keith Robinson	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	650 PS
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	110 - 120
POINTS W/T		POINTS WT.		POINTS WT.	12
LINER SIZE		LINER SIZE		LINER SIZE	5½

BRINKERHOFF DRILLING COMPANY LTD.
CALGARY EDMONTON

THIS IS THE 12 DAY FROM SPUD DATE

WELL CELIBETA #5 | COMPANY Home Oil | RIG NO. 4 | DATE Jan 9/61
LSD. SEC. TWP. RNGE. W/ MER. | PROVINCE N.W.T. | TOOL PUSHER [illegible]

MORNING TOUR

IN HOLE — END OF TOUR

No.	Pipe Size	Feet
16	STAND. D.P.	1441.89
	SNGLS. D.P.	
6	LNGTH. CLRS.	174.86
	KELLY IN	13.81
	OTHER	4.80
	TOTAL	1634.36

DRILL COLLARS

No.	Diameter	Lgth.
3	7 7/8	92.23
5	6 1/4	153.62

BIT RECORD

RUN NO.	5
SIZE	12 1/4
MFG.	REED
TYPE	4T3
SER. NO.	D83338
DEPTH OUT	—
HOURS RUN	7
FOOTAGE	211
REAMER CUTTER NO.	
TYPE	

Time From	Time To	Drilled From	Drilled To	Formation and Explanation
12:00	12:15			Rig service & check BOPs.
12:15	12:30			Clean 15' to bottom.
12:30	3:05	1424	1513	Drlg 12 1/4" hole.
3:05	3:30			Survey
3:30	6:30	1513	1604	Drlg.
6:30	6:45			Survey.
6:45	9:00	1604	1635	Drlg.

Deviation: 1490 — 1°; 1635 — 1°

MUD RECORD

TIME	2:00	6:30
WT.	9.2	9.2
VISC.	52	49
W. L. CC.	5.0	6.8
FLTR. CK.	2/32	2/32
P. H.	9.0	9.0

MUD & CHEM. ADDED

Type	Amount
Bentonite	200 lbs
Caustic	100 lbs

DRLG. CREW PAYROLL

		HRS.
DRILLER	Richard Rourke	8
DERRICK MAN	Pat McCarron	8
MOTOR MAN	Bill [illegible]	8
HELPER	Keith Sambo	8
HELPER	Archie Seyelle	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No.	Pipe Size	Feet
17	STAND. D.P.	1533.12
	SNGLS. D.P.	
7	LNGTH. CLRS.	198.86
	KELLY IN	13.81
Sub	OTHER	4.80
	TOTAL	1750.59

DRILL COLLARS

No.	Diameter	Lgth.
3	7 7/8	92.23
3	6 1/4	92.63

BIT RECORD

RUN NO.	5
SIZE	12 1/4
MFG.	Reed
TYPE	4T3
SER. NO.	D83338
DEPTH OUT	
HOURS RUN	14
FOOTAGE	322
REAMER CUTTER NO.	
TYPE	

Time From	Time To	Drilled From	Drilled To	Formation and Explanation
8:00	9:15			Service R.S. & check BOP
9:15	8:45			Change Value on G.K.
8:45	12:00	11:45		Drlg 12 1/4" Hole
12:00	12:15			Survey
12:15	4:00		1746	Drlg.

Deviation: 1684 — 3/4°; 1746 — 3/4°

MUD RECORD

TIME	[illegible]	
WT.	9.2	9.2
VISC.	45	47
W. L. CC.	5.8	6.0
FLTR. CK.	2/32	2/32
P. H.	9.0	9.0

MUD & CHEM. ADDED

Type	Amount
[illegible]	100 lbs
[illegible]	100 lbs

DRLG. CREW PAYROLL

		HRS.
DRILLER	Richard Gourlie	8
DERRICK MAN	Ed Jamison	8
MOTOR MAN	[illegible] Fraser	8
HELPER	Jack Smith	8
HELPER	[illegible] Rourke	8
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	Pipe Size	Feet
18	STAND. D.P.	1533.12
	SNGLS. D.P.	
8	LNGTH. CLRS.	229.86
	KELLY IN	13.28
	OTHER	4.80
	TOTAL	1780.86

DRILL COLLARS

No.	Diameter	Lgth.
3	7 7/8	92.23
5	6	153.59

BIT RECORD

RUN NO.	6	6
SIZE	12 1/4	12 1/4
MFG.	Reed	Reed
TYPE	4T3	4T1
SER. NO.	D83339	501768
DEPTH OUT	1755	—
HOURS RUN	14 3/4	3 1/4
FOOTAGE		25
REAMER CUTTER NO.		
TYPE		

Time From	Time To	Drilled From	Drilled To	Formation and Explanation
4:00	4:45	1746	1755	Drlg.
4:45	5:00			Rig Service
5:00	5:15			Survey
5:15	7:15			Hoist (Tight)
7:15	8:00			Pickup 2-6" DC's
8:00	8:45			Run in ream 1275
8:45	12:00	1755	1780	Drlg.

Deviation: 1755 — 7/8°

MUD RECORD

TIME	10:00	
WT.	9.0	
VISC.	47	
W. L. CC.	5.4	
FLTR. CK.	2/32	
P. H.	9.0	

MUD & CHEM. ADDED

Type	Amount
Bentonite	#36
Lignite	#50
[illegible]	

DRLG. CREW PAYROLL

		HRS.
DRILLER	G. H. Walker	8
DERRICK MAN	Ed Jamison	8
MOTOR MAN	Joe Pash	8
HELPER	Merril Lyons	8
HELPER	Keith Robinson	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

	Morning Tour	Day Tour	Evening Tour
PUMP PRES	550 PSI	PUMP PRES PSI	PUMP PRES. 600 PSI
ROT. R.P.M.	160	ROT. R.P.M.	ROT. R.P.M. 160
POINTS WT.	15	POINTS WT.	POINTS WT. 13
LINER SIZE	7 1/4"	LINER SIZE	LINER SIZE 7 1/4

BRINKERHOFF DRILLING COMPANY LTD.
CALGARY — EDMONTON

THIS IS THE 10 DAY FROM SPUD DATE

WELL: CELIBETA #5 | COMPANY: HOME OIL | RIG NO: 26 | DATE: Jan. 8/61
LSD | SEC | TWP | RNGE | W/ MER | PROVINCE: NWT | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO	PIPE SIZE	FEET
11	STAND. D.P.	993.95
1	SNGLS. D.P.	30.57
6	LNGTH. CLRS.	174.86
	KELLY IN	42.50
Subs.	OTHER	4.90
	TOTAL	1246.18

DRILL COLLARS

NO.	DIAMETER	LGTH.
4	7¾	92.23
3	6¼	92.63

BIT RECORD

RUN NO.	4
SIZE	13¾
MFG.	REED
TYPE	4J3
SER. NO.	202262
DEPTH OUT	—
HOURS RUN	16½
FOOTAGE	246
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
1200	1215			R.S. SERVICE, CHECK BOP's
1215	130	1140	1155	DRLG 13¾" HOLE.
130				CIRC. WORKED C-250
	445			mix mud, MAKE TRIP
445	500			SURVEY.
500	800	1155	1246	DRLG 13¾" HOLE

DEVIATION

DEPTH	DEGREES
1163	¾

MUD RECORD

TIME	530
WT.	9.1
VISC.	38
W. L. CC.	5.4
FLTR. CK.	2/32
P. H.	9.5

MUD & CHEM. ADDED

TYPE	AMOUNT
	3 SACKS
	2 "
	1 "
	1 "

DRLG. CREW PAYROLL

		HRS.
DRILLER	Richard Bendle	8
DERRICK MAN	Pat McCallum	8
MOTOR MAN		
HELPER	Keith Bendle	8
HELPER	Gordon Sayler	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
13	STAND. D.P.	1192.81
	SNGLS. D.P.	
6	LNGTH. CLRS.	174.86
	KELLY IN	37.04
Subs	OTHER	4.80
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.
2	7¾	92.23
3	6¼	92.63

BIT RECORD

RUN NO.	4
SIZE	13¾
MFG.	REED
TYPE	4J3
SER. NO.	202262
DEPTH OUT	
HOURS RUN	24
FOOTAGE	390
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
800	815			Service Rig - Check BOP
815	945	1246	1332	Drlg
945	1015			Wash Tight hole on connection
1015	1115			Drlg
1115	130	1276	1332	Drlg.
130	145			Clean mud Tank
145		1332	1390	Drlg
				Cleaned Sand Trap

DEVIATION

DEPTH	DEGREES
1332	¾

MUD RECORD

TIME	10 PM
WT.	9.2
VISC.	48
W. L. CC.	5.4
FLTR. CK.	2/32
P. H.	9.0

MUD & CHEM. ADDED

TYPE	AMOUNT
Gel	150
Caustic	20

DRLG. CREW PAYROLL

		HRS.
DRILLER	Tom Sayler	6
DERRICK MAN	Lindy Bendle	8
MOTOR MAN		
HELPER	Tom Sayler	6
HELPER	Lindy Bendle	8
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	1172.81
1	SNGLS. D.P.	28.63
6	LNGTH. CLRS.	174.86
	KELLY IN	42.50
Subs	OTHER	4.80
	TOTAL	1422.17

DRILL COLLARS

No.	DIAMETER	LGTH.
3	7¾	92.23
3	6¼	92.63

BIT RECORD

RUN NO.	4R	5
SIZE	13¾	12¼
MFG.	REED	REED
TYPE	4J3	J3
SER. NO.	202262	202262
DEPTH OUT	1422	
HOURS RUN	28½	—
FOOTAGE	924	—
REAMER CUTTER No.		
TYPE		

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
430	445			Rig Service & Check BOP
445	530			Tour my
530	600	1390	1424	Drlg.
600				Trip for tight hole
				Break & Service 7¾ DCs.
	1100			Run in.
1100	1200			

DEVIATION

DEPTH	DEGREES
1390	3¼

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	Ed Moore	8
DERRICK MAN	Ed Thurnell	8
MOTOR MAN	Joe Poth	8
HELPER	Mervin Lyons	8
HELPER	Keith Robinson	8
HELPER		
HELPER		

REMARKS (REPAIRS ACCIDENTS AND ETC.)

Replaced Manifold 5" Hose & 1 Nipple 6" Weir on C-250 - washed out.
Lowered 12 Collars

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	400 PSI	PUMP PRES.	425 PSI	PUMP PRES.	550 PSI
ROT. R.P.M.	160	ROT. R.P.M.		ROT. R.P.M.	160
POINTS WT.	10	POINTS WT.		POINTS WT.	10
LINER SIZE	7¼	LINER SIZE		LINER SIZE	7¼

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 9 DAY FROM SPUD DATE

WELL Celieta #5 | COMPANY Home Oil | RIG NO. 26 | DATE Jan. 7/61

LSD. SEC. TWP RNGE W/ MER. | PROVINCE N.W.T | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
7	STAND. D.P.	[illegible]
1	SNGLS. D.P.	30.
6	LNGTH. CLRS.	174.86
	KELLY IN	42.50
2	OTHER Subs	4.50
	TOTAL	[illegible]

DRILL COLLARS

No.	DIAMETER	LGTH.
3	8"	93.22
3	6"	92.43

BIT RECORD

RUN NO.	6
SIZE	12¼
MFG.	TRED
TYPE	YT3
SER. NO.	[illegible]
DEPTH OUT	
HOURS RUN	4¾
FOOTAGE	
REAMER CUTTER NO.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
12:00	12:15			Rig Service
12:15	1:00			Dig mouse hole.
1:00	3:00			Pick up DCs. unscrew in felt
3:00	2:45	857		Drlg. cement. Plug
2:45	8:00		985	Pressure up to Check
		CEMENT		Rig up BJ's

MUD RECORD

TIME	
WT.	
VISC.	40
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	G. H. WALKER	8
DERRICK MAN	E. TENISON	8
MOTOR MAN	[illegible]	8
HELPER	[illegible]	8
HELPER	[illegible]	8
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	902.99
1	SNGLS. D.P.	29.93
6	LNGTH. CLRS.	174.86
	KELLY IN	27.37
Subs	OTHER	4.00
	TOTAL	1148.80

DRILL COLLARS

No.	DIAMETER	LGTH.
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

BIT RECORD

RUN NO.	6A
SIZE	12¼
MFG.	TRED
TYPE	YT3
SER. NO.	[illegible]
DEPTH OUT	
HOURS RUN	12 3/4
FOOTAGE	140'
REAMER CUTTER NO.	
TYPE	

TIME FROM	TO	DRILLED FROM	TO	FORMATION AND EXPLANATION
4:00	4:15			Service R.G. & check BOPs
4:15	4:45			Finish clean mud tanks
4:45	5:00			Work on motors (mech)
5:00	12:00	1004	1144	Drlg 12¼" Hole (Conn - T.C.H.T.)

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT
CRL	600 #
[illegible]	700 #

DRLG. CREW PAYROLL

		HRS.
DRILLER	ANDREW GORDON	8
DERRICK MAN	E. TURNER	8
MOTOR MAN	BILL FERRIS	8
HELPER	JOHN SMITH	8
HELPER	WALLY BIGGS	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

Felt plug @ 245 AM Found plug @ 857

SLUSH PUMP RECORD

	MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	200	PSI		PSI		PSI
ROT. R.P.M.	80					
POINTS WT.	2					
LINER SIZE	7¼					

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 8 DAY FROM SPUD DATE

WELL: Celibeta #5 | COMPANY: Home Oil | RIG No. 36 | DATE: Jan. 6/61

LSD | SEC | TWP | RNGE | W/ M'TR. | PROVINCE: N.W.T | TOOL PUSHER

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LNGTH.

BIT RECORD

RUN No.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

MORNING TOUR

TIME: FROM 12:00 TO 8:00

DRILLED: FROM — TO —

FORMATION AND EXPLANATION: Heading Up

DEVIATION: DEPTH — DEGREES

DAY TOUR

TIME: FROM — TO 12:30

DRILLED: FROM — TO —

FORMATION AND EXPLANATION: Slight trace of Gas in Cellar. Heading up.

DEVIATION: DEPTH — DEGREES

EVENING TOUR

TIME: FROM — TO —

DRILLED: FROM 4:00 TO 8:00

FORMATION AND EXPLANATION: Prime & Steam up Pumps. R.U. To Drill mouse hole & Drill same. Pressure Test Blind Rams & Pipe Rams to 2000 psi.

DRILLED: FROM 8:00 TO 12:00

DEVIATION: DEPTH — DEGREES

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	G.A. Wynne	8
DERRICK MAN	E. Johnson	8
MOTOR MAN	Tom Ford	8
HELPER	Morris Lyons	8
HELPER	Kelly Bowers	8

		HRS.
DRILLER	[illegible]	8
DERRICK MAN	[illegible]	8
MOTOR MAN	[illegible]	8
HELPER	John Smith	8
HELPER	Harry [illegible]	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 7 DAY FROM SPUD DATE

WELL Celibeta #5 | COMPANY Home Oil | RIG No. 26 | DATE Jan. 5/61

LSD | SEC | TWP. | RNGE. | W/ MER. | PROVINCE N.W.T | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME FROM 12:00 TO 5:00

DRILLED FROM TO

FORMATION AND EXPLANATION

W.O.C.
Dig & crib cellar.
Hooking up Payne Unit
prepared to Nipple Up.

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PATROL

	HRS.
DRILLER G.A. WALKER	8
DERR'CK MAN Ed. Townsend	8
MOTOR MAN Joe Poch	8
HELPER Gerry Lyons	8
HELPER Lucien Belcourt	8
HELPER	
HELPER	

DAY TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME FROM 5:00 TO 12:00

DRILLED FROM TO

FORMATION AND EXPLANATION

Weld Casing Bowl
Head up

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PATROL

	HRS.
DRILLER Al Dean Bennett	8
DERRICK MAN Ed Tibbett	8
MOTOR MAN Russ Ferris	8
HELPER John Smith	8
HELPER Harry Baiden	8
HELPER	
HELPER	

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME FROM TO

DRILLED FROM 4:00 TO 5:00

FORMATION AND EXPLANATION

Weld Casing Bowl
5:00 12:00 Head up

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PATROL

	HRS.
DRILLER Al Dean Bennett	4
DERRICK MAN Ed Tibbett	4
MOTOR MAN Russ Ferris	4
HELPER John Smith	4
HELPER Harry Baiden	4
HELPER	
HELPER	

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 2 DAY FROM SPUD DATE

WELL [illegible] COMPANY [illegible] RIG NO. 23 DATE Jan 9 16

LSD. SEC. TWP. RNGE. W/ MER. PROVINCE [illegible] TOOL PUSHER [illegible]

MORNING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

R/N No	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
12:00	12:45	33.53		Tried back Jets & Break Reamer
12:45	2:00	32.77		Rig to run Csg.
2:00	9:00	33.28		Run Csg.
		32.54		
		32.05		
		32.98		
		33.01		
		30.89		

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	G. A. Walker	16
DERRICK MAN	Ed Jonasson	16
MOTOR MAN	Joe Pace	16
HELPER	Merrill Grant	16
HELPER	Kieth Turner	16
HELPER		
HELPER		

AFTERNOON TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

R/N No.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
		[illegible]		
[illegible]		31.25		Surface Formation
	7:00	31.68		Clay
7:00	11:00	32.00		Clay
11:00	2:00	30.33		Clay Gravel Lots
2:00	3:30	32.72		Sand Drawn Line
3:30	4:00	30.40		Clay
		33.52		
		31.70		

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	[illegible]	
DERRICK MAN	[illegible]	
MOTOR MAN	[illegible]	
HELPER	Keith Turner	
HELPER	[illegible]	
HELPER	Mike Smith	
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

ROM No.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4:00	8:00	32.60		W. O. Csg.
		32.90		Ran 20 Jts of 12¾" 55 54.5# Grade ST+C
		32.46		Casing Cemented w/ 775 Sacks of
		32.38		Inland Portland Cement w/ 2% Calcium
		30.20		Plug Down 2:25 PM w/ 1000# Psi
		32.28		Shoe Landed @ 595'
		31.38		
		31.88		
		32.91		
		32.33		
		30.02		
		32.42		
		31.92		
		32.05		
		32.64		

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	Derek Gosnell	16
DERRICK MAN	Ed Turner	16
MOTOR MAN	Bill Ferris	16
HELPER	John Smith	16
HELPER	Harry Boggs	16
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 5 DAY FROM SPUD DATE

WELL Gelibeta #5 | COMPANY Home Oil | RIG No. 26 | DATE Jan 3/61

LSD. | SEC. | TWP | RNGE. | W/ | M&R. | PROVINCE N.W.T. | TOOL PUSHER

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
6	STAND. D.P.	548.04
2	SINGLE D.P.	57.78
6	LNGTH. CLRS.	174.96
	KELLY IN	42.50
	OTHER Subs	7.35
	TOTAL	830.63

DRILL COLLARS

No.	DIAMETER	LGTH.
3	7 3/8	92.24
3	6 1/2	92.41

BIT RECORD

RUN No.	4A.
SIZE	12 1/4
MFG.	Reed
TYPE	RR
SER. No.	
DEPTH OUT	—
HOURS RUN	7
FOOTAGE	65
REAMER CUTTER No.	
TYPE	

MORNING TOUR

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
8:00	12:15			Rig Service
12:15	1:00			Ream 10
1:00	8:00	741	826	Drilling

DEVIATION — DEPTH | DEGREES

MUD RECORD

TIME	4:00
WT.	10.8
VISC.	56
W. L. CC.	7.4
FLTR. CK.	2/32
P. H.	8

MUD & CHEM. ADDED

TYPE	AMOUNT
H20	

DRLG. CREW PAYROLL

		HRS.
DRILLER	G. A. Walker	8
DERRICK MAN	E. Jonsed	8
MOTOR MAN	Joe Dech	8
HELPER	Merrill Lyons	8
HELPER	Keith Thomas	8
HELPER		
HELPER		

EVENING TOUR

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4:00	4:15	3		Service Rig
4:15	6:15	971		Ream 12¼" Hole To 17½"
6:15	7:00			Repair Swedge on Grease Neck
7:00	12:15		894	Reaming
12:15	12:45			Circ. To Run Casing
12:45	8:00			Pull Out To Run Casing

DEVIATION — DEPTH | DEGREES

MUD RECORD

TIME	4:00
WT.	10.8
VISC.	56
W. L. CC.	7.4
FLTR. CK.	2/32
P. H.	8

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	G. A. Walker	8
DERRICK MAN	E. Jonsed	8
MOTOR MAN	Bill Feggs	8
HELPER	John Smith	8
HELPER	Harry Beggs	8
HELPER		
HELPER		

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	631.45
2	SINGLE D.P.	59.23
6	LNGTH. CLRS.	174.96
	KELLY IN	21.50
	OTHER Subs	7.35
	TOTAL	894.49

DRILL COLLARS

No.	DIAMETER	LGTH.
3	7 3/8	92.24
3	6 1/2	92.41

BIT RECORD

RUN No.	4A
SIZE	12¼
MFG.	Reed
TYPE	R.R.
SER. No.	
DEPTH OUT	894
HOURS RUN	19½
FOOTAGE	153
REAMER CUTTER No.	
TYPE	

EVENING TOUR

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4:00	4:15	3		Service Rig
4:15	6:15	971		Ream 12¼" Hole To 17½"
6:15	7:00			Repair Swedge on Grease Neck
7:00	12:15		894	Reaming
12:15	12:45			Circ. To Run Casing
12:45	8:00			Pull Out To Run Casing

DEVIATION — DEPTH | DEGREES

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	G. A. Walker	8
DERRICK MAN	E. Jonsed	8
MOTOR MAN	Bill Feggs	8
HELPER	John Smith	8
HELPER	Harry Beggs	8
HELPER		
HELPER		

REMARKS (REPAIRS. ACCIDENTS AND. ETC.)

SLUSH PUMP RECORD

	MORNING TOUR	DAY TOUR	EVENING TOUR
PUMP PRES.	450 PSI	PUMP PRES. PSI	PUMP PRES. 450 PSI
ROT. R.P.M.	160	ROT. R.P.M.	ROT. R.P.M. 160
POINTS WT.	10	POINTS WT.	POINTS WT.
LINER SIZE	7"	LINER SIZE	LINER SIZE

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 4 DAY FROM SPUD DATE

WELL Celibeta #5 | COMPANY Home Oil | RIG NO. 96 | DATE Jan. 2/61

LSD. SEC. TWP. RNGE. W/ MER. | PROVINCE N.W.T | TOOL PUSHER

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
5	STAND. D.P.	451.36
1	SNGLS. D.P.	29.19
2	LNGTH. CLRS.	124.86
	KELLY IN	17.50
Rec	OTHER	7.25
	TOTAL	629.16

DRILL COLLARS

NO.	DIAMETER	LGTH.
3	7¾	92.23
3	6½	82.63

BIT RECORD

RUN NO.	1A	2A.
SIZE	17½	17½
MFG.	Reed	Reed
TYPE	FP.	FP.
SER. NO.		
DEPTH OUT	643	—
HOURS RUN	14½	4¾
FOOTAGE	643	
REAMER CUTTER No.		
TYPE		

TIME

FROM	TO
12:00	12:15
12:15	1:30
1:30	3:15
3:15	8:00

DRILLED

FROM	TO
630	643
643	680

FORMATION AND EXPLANATION

Rig Service
Reaming
Trip to change
Reaming

MUD RECORD

TIME	2 PM
WT.	74
VISC.	54
W.L. CC.	7.6
FLTR. CK.	2/32
P.H.	7.0

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	G. A. Walker	8
DERRICK MAN	Ed Jenson	8
MOTOR MAN	Joe Poon	8
HELPER	[illegible]	8
HELPER	[illegible]	

DEVIATION

DEPTH	DEGREES

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
5	STAND. D.P.	451.36
1	SNGLS. D.P.	29.19
6	LNGTH. CLRS.	174.86
	KELLY IN	17.50
Rec	OTHER Sub	7.25
	TOTAL	680.16

DRILL COLLARS

NO.	DIAMETER	LGTH.
3	7¾	92.23
3	6½	82.63

BIT RECORD

RUN NO.	3A
SIZE	17½
MFG.	Reed
TYPE	Eliot
SER. No.	
DEPTH OUT	
HOURS RUN	5¼
FOOTAGE	32
REAMER CUTTER No.	
TYPE	

TIME

FROM	TO
4:00	4:15
4:15	4:45
4:45	12:00
12:00	12:00

DRILLED

FROM	TO
709	741

FORMATION AND EXPLANATION

Service Rig
Finish Servicing Rig
Reaming 12¼" Hole To 17½"
Trip WELD ON BIT.

MUD RECORD

TIME	5 PM
WT.	74
VISC.	50
W.L. CC.	7.6
FLTR. CK.	4/32
P.H.	7.5

MUD & CHEM. ADDED

TYPE	AMOUNT
GEL	200#

DRLG. CREW PAYROLL

		HRS.
DRILLER	[illegible]	
DERRICK MAN	Ed Jenson	8
MOTOR MAN	Bill Ferris	8
HELPER	John Smith	8
HELPER	Harry Berges	8
HELPER		
HELPER		

DEVIATION

DEPTH	DEGREES
—	°

EVENING TOUR

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	350 PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.	90-120	ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.	5-10	POINTS WT.		POINTS WT.	
LINER SIZE	7¼	LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 3 DAY FROM SPUD DATE

WELL Colibeta #5 | COMPANY Home Oil | RIG NO. 26 | DATE JAN. 1 '61

LEG Home SEC Signal TWP 65 RNGE. W/ MER. | PROVINCE N.W.T. | TOOL PUSHER

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
8	STAND. D.P.	771.18
2	SINGLE D.P.	59.97
6	LENGTH. CLRS.	174.84
	KELLY IN	39.17
2	OTHER	4.00
	TOTAL	1050.
	DRILL COLLARS	
3	7 1/2	92.23
3	6 1/2	81.15

BIT RECORD

RUN NO.	3
SIZE	12 1/4
MFG.	REED
TYPE	2 OSC
SER. NO.	V73
DEPTH OUT	1050
HOURS RUN	15 1/4
FOOTAGE	207
REAMER CUTTER NO.	
TYPE	

MORNING TOUR

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
9:30	10:00	12:00	12:15	Drlg.
12:15	12:30			Rig Service
12:30	2:30			Trip drill pipe & measure
				Working tight hole
2:30	3:00			Circ.
3:00	3:15			Short trip
3:15	6:00			Circ. & cond. for log
				Log
				Rig down loggers

MUD RECORD

TIME	2:30
WT.	10.6
VISC.	95
W. L. CC.	20
FLTR. CK.	2
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	G.A. Walker	8
DERRICK MAN	Ed Copeland	8
MOTOR MAN	Joe Lee	8
HELPER	Merrill Lewis	8
HELPER	Keith Goodwin	8
HELPER		
HELPER		

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
8	STAND. D.P.	341.23
2	SINGLE D.P.	59.72
6	LENGTH. CLRS.	174.84
	KELLY IN	39.17
	Kelly Cock	1.00
	TOTAL	630.
	DRILL COLLARS	
3	7 1/2	92.23
3	6 1/2	81.15

BIT RECORD

RUN NO.	1A
SIZE	17 1/2
MFG.	Reed
TYPE	Diamond Point
SER. NO.	
DEPTH OUT	
HOURS RUN	14 1/4
FOOTAGE	630
REAMER CUTTER NO.	
TYPE	

EVENING TOUR

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
6:00	4:15			Service Rig
4:15	12:00	224	630	Reaming 12 1/4" Hole To 17 1/2"
				Cleaned Slush Tank

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME		
WT.	10.6	10.6
VISC.	65	50
W. L. CC.	6.6	7.4
FLTR. CK.	2/2	2/2
P. H.	8.5	8.5

MUD & CHEM. ADDED

TYPE	AMOUNT
WATER	

DRLG. CREW PAYROLL

		HRS.
DRILLER	Howard Smith	8
DERRICK MAN	Ed Copeland	8
MOTOR MAN	Bill Feeney	8
HELPER	Todd Smith	8
HELPER	Harry Beggs	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	450. PSI	PUMP PRES.	350 PSI	PUMP PRES.	350 PSI
ROT. R.P.M.	160	ROT. R.P.M.		ROT. R.P.M.	120
POINTS WT.	2-3	POINTS WT.		POINTS WT.	15
LINER SIZE	7 1/4	LINER SIZE		LINER SIZE	7 1/4

CALGARY **BRINKERHOFF DRILLING COMPANY LTD.** EDMONTON

THIS IS THE 9th **DAY FROM SPUD DATE**

WELL	COMPANY	RIG NO.	DATE
Celibeta #5	Home Oil	26	Dec 31/60

LSD.	SEC.	TWP.	RNGE.	W/ MER.	PROVINCE	TOOL PUSHER
					N.W.T.	[illegible]

Morning Tour

IN HOLE – END OF TOUR			BIT RECORD		
NO.	PIPE SIZE	FEET	RUN NO.	2	3
1	STAND. D.P.	540.87	SIZE	12¼	12¼
	SNGLS. D.P.	30.29	MFG.	REED	REED
	LNGTH. CLRS.	178.86	TYPE	YT3	YT3
	KELLY IN	47.50	SER. NO.	[illegible]	[illegible]
	OTHER	4.80	DEPTH OUT	793	—
	TOTAL	[illegible]	HOURS RUN	[illegible]	—
DRILL COLLARS			FOOTAGE	[illegible]	
3	[illegible]	[illegible]	REAMER CUTTER NO.		
3	[illegible]	[illegible]	TYPE		

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
12⁰⁰	12:15			Rig Service
12:15	5:30	710	793	Drlg.
5:30	5:45			Deep survey (misrun)
5:45	7:45			Trip hole tight 550-780
				Ream 782-793
7:45	8:00			Survey

MUD RECORD	
TIME	[illegible]
WT.	10.4
VISC.	56
W.L. CC.	9.4
FLTR. CK.	2/32
P.H.	8.5
MUD & CHEM. ADDED – TYPE	H2O
AMOUNT	

DRLG. CREW PAYROLL	HRS.
DRILLER G.A. Wayne	8
DERRICK MAN Ed. Johnson	8
MOTOR MAN Joe Bass	8
HELPER [illegible]	8
HELPER [illegible]	8

Day Tour

[illegible]

DEVIATION DEPTH	DEGREES
780	[illegible]
793	[illegible]

MUD & CHEM. ADDED – TYPE: Water

Evening Tour

IN HOLE – END OF TOUR			BIT RECORD	
NO.	PIPE SIZE	FEET	RUN NO.	3
	STAND. D.P.	721.[illegible]	SIZE	12¼
2	SNGLS. D.P.	59.87	MFG.	Reed
6	LNGTH. CLRS.	174.86	TYPE	YT3
	KELLY IN	38.37	SER. NO.	[illegible]
2	OTHER Sub	4.80	DEPTH OUT	
	TOTAL	998	HOURS RUN	15¼
DRILL COLLARS			FOOTAGE	205
NO.	DIAMETER	LNTH.		
3	7⅝	92.23	REAMER CUTTER NO.	
3	6½	82.62	TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4:00	4:15			Service Rig
4:15	12:00	883	998	Drilling

MUD RECORD	
TIME	[illegible]
WT.	10.6
VISC.	70
W.L. CC.	6.8
FLTR. CK.	3/32
P.H.	8.5
MUD & CHEM. ADDED – TYPE	Gel
AMOUNT	2000

DRLG. CREW PAYROLL	HRS.
DRILLER [illegible]	8
DERRICK MAN Ed. Turner	8
MOTOR MAN Bill Ferris	8
HELPER John Smith	8
HELPER Harry Briggs	8
HELPER	
HELPER	

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

Slush Pump Record

	MORNING TOUR	DAY TOUR	EVENING TOUR
PUMP PRES. (PSI)	450	[illegible]	[illegible]
ROT. R.P.M.	160	[illegible]	[illegible]
POINTS WT.	2-3	[illegible]	[illegible]
LINER SIZE	7¼	[illegible]	[illegible]

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE 2 DAY FROM SPUD DATE

WELL Celibeta #5 | COMPANY Home Oil | RIG No. 36 | DATE Dec. 30/64

LSD. | SEC. | TWP. | RNGE. | W/ MER. | PROVINCE N.W.T | TOOL PUSHER L.

IN HOLE — END OF TOUR			BIT RECORD	
No.	PIPE SIZE	FEET		
3	STAND. D.P.	270.34	RUN NO.	1
1	SNGLS. D.P.	30.67	SIZE	12¼
	LNGTH. CLRS.	178.86	MFG.	Reed
	KELLY IN	42.83	TYPE	HT3
	OTHER	4.80	SER. No.	[illegible]
	TOTAL	710	DEPTH IN	—
DRILL COLLARS			DEPTH OUT	710
No.	DIAMETER	LNGTH.	HOURS RUN	12
3	7¾	92.23	FOOTAGE	173
2	12¼	82.43	REAMER CUTTER NO.	
			TYPE	

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
12:01	3:15	24	403	Drlg.
3:15	3:45			Survey
3:45	4:45	403	492	Drlg.
4:45	7:00			Survey
7:00	9:00	492	522	Drlg.
9:00	9:30			Survey
9:30	9:45	637	672	Drlg. with Helo
9:30	9:40			Survey Rig Repair Rig Line
9:00	12:00	672	710	Drlg.

MUD RECORD	
TIME	
WT.	9.9
VISC.	60
W. L. CC.	9.6
FLTR. CK.	8½
P.H.	8.5

MUD & CHEM. ADDED	
TYPE	AMOUNT
GEL	800 #
LIME	73 #

DEVIATION	
DEPTH	DEGREES
670	¼

DRLG. CREW PATROL	HRS.
DRILLER	C. A. Yaworski
DERRICK MAN	G. Lessard
MOTOR MAN	[illegible]
MOTOR MAN	Pete Fiset
HELPER	John Smith
HELPER	Harry Briggs
HELPER	
HELPER	

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

Rig Repair 2:30 to 3:15

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	200 PSI	PUMP PRES.	350 PSI	PUMP PRES.	400 PSI
ROT. R.P.M.	180	ROT. R.P.M.	180	ROT. R.P.M.	160
POINTS WT.	2-3	POINTS WT.	2-3	POINTS WT.	2-3
LINER SIZE	7½	LINER SIZE	7½	LINER SIZE	7½

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE ..... DAY FROM SPUD DATE

WELL Calgeto #1 | COMPANY Home Oil | RIG NO. 26 | DATE Dec 29/60

LSD | SEC | TWP. | RNGE | W/ MER | PROVINCE W.N.T | TOOL PUSHER

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
1	LNGTH. CLRS.	25.90
	KELLY IN	25.50
2	OTHER 3½	4.15
	TOTAL	60.15

DRILL COLLARS

No.	DIAMETER	LGTH.
1	7⅝	32.23
1	6⅜	22.23

BIT RECORD

RUN NO.	1
SIZE	12¼"
MFG.	Reed
TYPE	Y-T3
SER. No.	[illegible]
DEPTH OUT	—
HOURS RUN	1
FOOTAGE	30
REAMER CUTTER NO.	
TYPE	

MORNING TOUR

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
00	7 00			Rigging up
7	8 00	30	60	Picked up & Drlg

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME	
WT	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT
Gel	5 sks

DRLG. CREW PAYROLL

		HRS.
DRILLER	G.A. Walker	8
DERRICK MAN	E. Johnson	8
MOTOR MAN	D. Peca	8
HELPER	[illegible]	8
HELPER	[illegible]	8
HELPER	[illegible]	8

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
1	LNGTH. CLRS.	17.58
	KELLY IN	5.15
2	OTHER 5½	4.50
	TOTAL	27.23

DRILL COLLARS

No.	DIAMETER	LGTH.
2	7⅝	32.23
2	6⅜	22.23

BIT RECORD

RUN NO.	1
SIZE	12¼
MFG.	Reed
TYPE	Y-T3
SER. No.	205[illegible]
DEPTH OUT	
HOURS RUN	12¾
FOOTAGE	29[illegible]
REAMER CUTTER NO.	
TYPE	

EVENING TOUR

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
7 00	9 00	60	90	Drlg 12¼" Hole
9 00	10 15			Wiper trip & circ
10 15	11 00			Survey
11 00	9 30			Drlg.
9 30	9 45			Survey
9 45	4 00			Drlg.

DEVIATION

DEPTH	DEGREES
20	¾
109	¼

MUD RECORD

TIME	
WT	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT
Gel	5 sks
Lime	5

DRLG. CREW PAYROLL

		HRS.
DRILLER	[illegible]	8
DERRICK MAN	[illegible]	8
MOTOR MAN	[illegible]	8
HELPER	[illegible]	8
HELPER	[illegible]	8
HELPER	[illegible]	8

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	91.52
	SNGLS. D.P.	
6	LNGTH. CLRS.	17.58
	KELLY IN	5.15
2	OTHER 5½	4.50
	TOTAL	29[illegible]

DRILL COLLARS

No.	DIAMETER	LGTH.
2	7⅝	32.23
2	6⅜	22.23

BIT RECORD

RUN NO.	1
SIZE	12¼
MFG.	Reed
TYPE	Y-T3
SER. No.	205[illegible]
DEPTH OUT	
HOURS RUN	12¾
FOOTAGE	29[illegible]
REAMER CUTTER NO.	
TYPE	

EVENING TOUR

TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
4hrs	5 30	167	167	Drilling 12¼ Hole
5 30	5.30			Survey + Service Rig
5.30	9 00	167	221	Drlg 12¼" Hole
9.00	9.15			Survey
9.15	11.30	282	282	Drlg
9.30	11.45			Survey
11.45	12.0	282	295	Drlg

DEVIATION

DEPTH	DEGREES
220	¾
280	¼

MUD RECORD

TIME	
WT.	
VISC.	
W.L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	Richard Gabert	8
DERRICK MAN	E. Johnson	8
MOTOR MAN	B. Le Fevre	8
HELPER	John Smith	8
HELPER	Harry Riggs	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

K.B. to Ground 13.60'

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	300 PSI	PUMP PRES	PSI	PUMP PRES	300 PSI
ROT. R.P.M.	120	ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.	5	POINTS WT.		POINTS WT.	
LINER SIZE	5½	LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY EDMONTON

THIS IS THE DAY FROM SPUD DATE

WELL	COMPANY	RIG No.	DATE
LSD SEC TWP RNGE W/ MER.	PROVINCE	TOOL PUSHER	

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

	MORNING TOUR	DAY TOUR	EVENING TOUR
RUN No.			
SIZE			
MFG.			
TYPE			
SER. No.			
DEPTH OUT			
HOURS RUN			
FOOTAGE			
REAMER CUTTER No.			
TYPE			

TIME

	FROM	TO
MORNING TOUR		
DAY TOUR		
EVENING TOUR	4:00	12:00

DRILLED

	FROM	TO
MORNING TOUR		
DAY TOUR		
EVENING TOUR		

FORMATION AND EXPLANATION

Rigging up

Rigging up

Maximum Engery
R.G. up Rotary Jet
Please Head in 8-250

R.G. up
Head 8-250

DEVIATION

DEPTH	DEGREES

MUD RECORD

	MORNING TOUR	DAY TOUR	EVENING TOUR
TIME			
WT.			
VISC.			
W. L. CC.			
FLTR. CK.			
P. H.			

MUD & CHEM. ADDED

	TYPE	AMOUNT
MORNING TOUR		
DAY TOUR	Gel	30 sks
	Barex	10 "
EVENING TOUR		

DRLG. CREW PAYROLL

	HRS.		HRS.		HRS.
DRILLER	8	Geo. Walker	8		
DERRICKMAN	8	Johnson	8		
MOTOR MAN	8	Doc Pooh	8		
HELPER	8	Merrill Lyons	8		
HELPER	8	Keith [illegible]	8		
HELPER					
HELPER					
DRILLER	8	[illegible]	8		
DERRICK MAN	8	[illegible]	8		
MOTOR MAN	8	Bill Foggs	8		
HELPER	8	Jodd Smith	8		
HELPER	8	Leroy Boggs	8		
HELPER					
HELPER					

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE ..... DAY FROM SPUD DATE

WELL | COMPANY Home Oil | RIG No. 26 | DATE Dec 27/60

LSD | SEC. | TWP. | RNGE. | W/ MER. | PROVINCE N.W.T | TOOL PUSHER

IN HOLE — END OF TOUR			BIT RECORD	
NO	PIPE SIZE	FEET	RUN NO.	
	STAND. D.P.		SIZE	
	SNGLS. D.P.		MFG.	
	LNGTH. CLRS.		TYPE	
	KELLY IN		SER. NO.	
	OTHER		DEPTH OUT	
	TOTAL		HOURS RUN	
	DRILL COLLARS		FOOTAGE	
	NO. DIAMETER	LGTH.	REAMER CUTTER NO.	
			TYPE	

TOUR	TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION
MORNING TOUR	12 noon	8 pm			Rigging up. Changed U.J. Swivel Gear. Changed oil in Gas engine. Well built shortly by Emery Lewis.
DAY TOUR	8 pm	12 pm			
EVENING TOUR	12 pm	12 pm			Rigging up. Start Standby motor. Mix mud.

DEVIATION	
DEPTH	DEGREES
	°
	°

MUD RECORD	
TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	
MUD & CHEM. ADDED	
TYPE	AMOUNT
Gel	100 #

DRLG. CREW PAYROLL	HRS.
DRILLER G. A. Walker	12
DERRICK MAN Ed Townsend	12
MOTOR MAN Joe Penn	12
HELPER Allan Lyons	12
HELPER Lewis	
HELPER	
HELPER	
DRILLER Wm Cook	8
DERRICK MAN Ed Townsend	8
MOTOR MAN Bill Ferris	8
HELPER John Smith	8
HELPER Harry Bellis	8
HELPER	
HELPER	

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE ..... DAY FROM SPUD DATE

WELL | COMPANY Home Oil Co | RIG NO. 26 | DATE Dec 26/62

LSD | SEC. | TWP. | RNGE. | W/ MER. | PROVINCE N.W.T. | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SINGLE D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN NO.			
SIZE			
MFG.			
TYPE			
SER. NO.			
DEPTH OUT			
HOURS RUN			
FOOTAGE			
REAMER CUTTER NO.			
TYPE			

TIME FROM / TO

DRILLED FROM / TO

FORMATION AND EXPLANATION

Rigging up.

DEVIATION

DEPTH	DEGREES
	°

MUD RECORD

TIME			
WT.			
VISC.			
W. L. CC.			
FLTR. CK.			
P. H.			

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	George Walker	8
DERRICK MAN	J. Hesson	8
MOTOR MAN	Tom Leach	8
HELPER	Merrill Lefave	8
HELPER	Keith Lefave	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SINGLE D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN NO.			
SIZE			
MFG.			
TYPE			
SER. NO.			
DEPTH OUT			
HOURS RUN			
FOOTAGE			
REAMER CUTTER NO.			
TYPE			

TIME FROM / TO

DRILLED FROM / TO

FORMATION AND EXPLANATION

Rigging up

DEVIATION

DEPTH	DEGREES
	°

MUD RECORD

TIME			
WT.			
VISC.			
W. L. CC.			
FLTR. CK.			
P. H.			

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	Keith Lefave	8
DERRICK MAN	Merrill Lefave	8
MOTOR MAN	Bob Wells	8
HELPER	Jim Kennett	8
HELPER	Wesley Cook	8
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SINGLE D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN NO.			
SIZE			
MFG.			
TYPE			
SER. NO.			
DEPTH OUT			
HOURS RUN			
FOOTAGE			
REAMER CUTTER NO.			
TYPE			

TIME FROM / TO

DRILLED FROM / TO

FORMATION AND EXPLANATION

Rigging up.

DEVIATION

DEPTH	DEGREES
	°

MUD RECORD

TIME			
WT.			
VISC.			
W. L. CC.			
FLTR. CK.			
P. H.			

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	Andrew Gorski	16
DERRICK MAN	E.D. Turner	16
MOTOR MAN	Bill Ferris	16
HELPER	Todd Smith	16
HELPER	Harry Briggs	8
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

Clear Light Plant

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE ... DAY FROM SPUD DATE

WELL | COMPANY | RIG No. 76 | DATE

LSD | SEC | TWP. | RNGE. | W/ MER. | PROVINCE | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME (FROM / TO)

DRILLED (FROM / TO)

FORMATION AND EXPLANATION

RIGGING UP REEVES

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	GEORGE WALKER	14
DERRICK MAN	ED JOHNSON	14
MOTOR MAN	JOE POCH	14
HELPER	MERRIL LYONS	14
HELPER	KIETH ROBINSON	14
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME (FROM / TO)

DRILLED (FROM / TO)

FORMATION AND EXPLANATION

RIGGING UP REEVES

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	ANDY GORUK	14
DERRICK MAN	ED. TURNER	14
MOTOR MAN	BILL FERRIS	14
HELPER	TOM SMITH	14
HELPER	HARRY BRIGGS	12
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME (FROM / TO)

DRILLED (FROM / TO)

FORMATION AND EXPLANATION

RIGGING UP REEVES

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME	
WT.	
VISC.	
W. L. CC.	
FLTR. CK.	
P. H.	

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	RICHARD ROUBLE	14
DERRICK MAN	DAN McCRADEN	14
MOTOR MAN	B.B. ATKINS	14
HELPER	ED. KRUGER	14
HELPER	ARNOLD SAYERS	12
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

Extended 16 & 6 Travel Tie Floor Cables for Generator Hoist Engine and Cable Tools

Changed Rope on the Sand Line

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE ..... DAY FROM SPUD DATE

WELL

COMPANY Home Oil

LSD SEC TWP. RNGE W/ MER. PROVINCE N.W.T

RIG NO 76 DATE Dec 24/60

TOOL PUSHER Lamb.

MORNING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.			
SIZE			
MFG.			
TYPE			
SER. No.			
DEPTH OUT			
HOURS RUN			
FOOTAGE			
REAMER CUTTER No.			
TYPE			

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

Rigging up

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER	George Walker	12
DERRICK MAN	Ed Johnson	12
MOTOR MAN	Joe Koch	12
HELPER	Merril Lyons	12
HELPER	Keith Robinson	12
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.			
SIZE			
MFG.			
TYPE			
SER. No.			
DEPTH OUT			
HOURS RUN			
FOOTAGE			
REAMER CUTTER No.			
TYPE			

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

Rigging up

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER	Harry Crane	12
DERRICK MAN		
MOTOR MAN	Bill Ferris	12
HELPER	John Smith	12
HELPER	Herb Bross	12
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	XELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.			
SIZE			
MFG.			
TYPE			
SER. No.			
DEPTH OUT			
HOURS RUN			
FOOTAGE			
REAMER CUTTER No.			
TYPE			

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

Rigging up

DEVIATION

DEPTH	DEGREES
	°
	°

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER	Richard Kouba	12
DERRICK MAN	Pat McCarthy	12
MOTOR MAN	Bob Atkins	12
HELPER	Ed Kluger	12
HELPER	Arnold Sorg	12
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

Send Bill Ferris cheque to Whitecourt Alta

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE ____ DAY FROM SPUD DATE

WELL | COMPANY Mobil Oil | RIG NO. 56 | DATE Dec 23/66

LSD | SEC. | TWP | RNGE. | W/ MER. | PROVINCE N.W.T | TOOL PUSHER Earle

MORNING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN No.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME FROM / TO | DRILLED FROM / TO

FORMATION AND EXPLANATION: Rigging up

DEVIATION: DEPTH / DEGREES

MUD RECORD: TIME, WT., VISC., W. L. CC., FLTR. CK., P. H.

MUD & CHEM. ADDED: TYPE / AMOUNT

DRLG. CREW PAYROLL — HRS.

		HRS.
DRILLER	Earle Walker	12
DERRICK MAN	Ed Johnson	12
MOTOR MAN	Joe Poeh	12
HELPER	Merril Lyons	12
HELPER	Keith Robinson	12
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN No.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME FROM / TO | DRILLED FROM / TO

FORMATION AND EXPLANATION: Rig up

DEVIATION: DEPTH / DEGREES

MUD RECORD: TIME, WT., VISC., W. L. CC., FLTR. CK., P. H.

MUD & CHEM. ADDED: TYPE / AMOUNT

DRLG. CREW PAYROLL — HRS.

		HRS.
DRILLER	Andy Gobeil	12
DERRICK MAN		
MOTOR MAN	Bill Evans	12
HELPER	John Smith	12
HELPER	Harry Blagg	12
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN No.	
SIZE	
MFG.	
TYPE	
SER. No.	
DEPTH OUT	
HOURS RUN	
FOOTAGE	
REAMER CUTTER No.	
TYPE	

TIME FROM / TO | DRILLED FROM / TO

FORMATION AND EXPLANATION: Rigging up

DEVIATION: DEPTH / DEGREES

MUD RECORD: TIME, WT., VISC., W. L. CC., FLTR. CK., P. H.

MUD & CHEM. ADDED: TYPE / AMOUNT

DRLG. CREW PAYROLL — HRS.

		HRS.
DRILLER	Richard Coughlin	12
DERRICK MAN	Pat McCarren	12
MOTOR MAN	Bob Atkins	12
HELPER	Ed Kruczek	12
HELPER	Arnold Sidaks	12
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE DAY FROM SPUD DATE

WELL | COMPANY Home Oil | RIG No. 26 | DATE Dec 23/66

LSD. | SEC | TWP. | RNGE. | W/ MER. | PROVINCE N.W.T. | TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.			
SIZE			
MFG.			
TYPE			
SER. No.			
DEPTH OUT			
HOURS RUN			
FOOTAGE			
REAMER CUTTER No.			
TYPE			

TIME FROM / TO

DRILLED FROM / TO

FORMATION AND EXPLANATION

Moving Rig + Rigging up

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	George Walker	12
DERRICK MAN	Ed Tellason Joe Foch	12
MOTOR MAN		12
HELPER	Merrill Lyons	12
HELPER	Keith Robinson	12
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.			
SIZE			
MFG.			
TYPE			
DEPTH OUT			
HOURS RUN			
FOOTAGE			
REAMER CUTTER No.			
TYPE			

TIME FROM / TO

DRILLED FROM / TO

FORMATION AND EXPLANATION

Moving Rig + Rigging up

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	Andy Cook	12
DERRICK MAN		
MOTOR MAN	Gil [illegible]	12
HELPER	John Smith	12
HELPER		
HELPER	Barry Bruis	12
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.			
SIZE			
MFG.			
TYPE			
SER. No.			
DEPTH OUT			
HOURS RUN			
FOOTAGE			
REAMER CUTTER No.			
TYPE			

TIME FROM / TO

DRILLED FROM / TO

FORMATION AND EXPLANATION

Moving Rig + Rigging up

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL

		HRS.
DRILLER	Richard Cowle	12
DERRICK MAN	Pat McCarren	12
MOTOR MAN	Bob Atkins	12
HELPER	Ed Kluge	12
HELPER	Arnold Sears	12
HELPER		
HELPER		

REMARKS (REPAIRS, ACCIDENTS AND, ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES	PSI	PUMP PRES	PSI	PUMP PRES	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

KODAK SAFETY FILM

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY EDMONTON

THIS IS THE ..... DAY FROM SPUD DATE

WELL

COMPANY Home Oil

RIG NO. 26 DATE Dec 21 60

LSD SEC. TWP. RNGE. W/ MER. PROVINCE

TOOL PUSHER

MORNING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN NO.		
SIZE		
MFG.		
TYPE		
SER. NO.		
DEPTH OUT		
HOURS RUN		
FOOTAGE		
REAMER CUTTER NO.		
TYPE		

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

Rigging up Camp
& Tear out Rig

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME		
WT.		
VISC.		
W.L. CC.		
FLTR. CK.		
P.H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER	George Walker	10
DERRICK MAN	Ed Tollefson	10
MOTOR MAN	Jack Leach	8
HELPER	Henry Lyons	8
HELPER	Keith Johnson	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN NO.		
SIZE		
MFG.		
TYPE		
SER. NO.		
DEPTH OUT		
HOURS RUN		
FOOTAGE		
REAMER CUTTER NO.		
TYPE		

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME		
WT.		
VISC.		
W.L. CC.		
FLTR. CK.		
P.H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER	Richard Lauck	10
DERRICK	Art McLaren	10
MOTOR MAN	Bob Atkins	8
HELPER	Ed Kruger	10
HELPER	Arnold Sears	8
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

NO.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

NO.	DIAMETER	LGTH.

BIT RECORD

RUN NO.		
SIZE		
MFG.		
TYPE		
SER. NO.		
DEPTH OUT		
HOURS RUN		
FOOTAGE		
REAMER CUTTER NO.		
TYPE		

TIME FROM TO

DRILLED FROM TO

FORMATION AND EXPLANATION

Ditto

DEVIATION

DEPTH	DEGREES

MUD RECORD

TIME		
WT.		
VISC.		
W.L. CC.		
FLTR. CK.		
P.H.		

MUD & CHEM. ADDED

TYPE	AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER	Richard Lauck	10
DERRICK	Art McLaren	10
MOTOR MAN	Bob Atkins	8
HELPER	Ed Kruger	10
HELPER	Arnold Sears	8
HELPER		
HELPER		

REMARKS (REPAIRS. ACCIDENTS AND. ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE ..... DAY FROM SPUD DATE

WELL Lochiel #5 | COMPANY Home Oil | RIG No. 76 | DATE Nov 20 1962

LSD. | SEC. | TWP. | RNGE | W/ MER. | PROVINCE N.W.T. | TOOL PUSHER Ron

MORNING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLS. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.		
SIZE		
MFG.		
TYPE		
SER. NO.		
DEPTH OUT		
HOURS RUN		
FOOTAGE		
REAMER CUTTER No.		
TYPE		

TIME FROM / TO

DRILLED FROM / TO

FORMATION AND EXPLANATION

Travel Time & Moving Camp

DEVIATION: DEPTH / DEGREES

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED: TYPE / AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER	Geo Wallace	16
DERRICK MAN	Jas Jefferson	16
MOTOR MAN	Tim Doch	8
HELPER	Harold Evans	8
HELPER	Lloyd Babcock	8
HELPER		
HELPER		

DAY TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SNGLE. D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.		
SIZE		
MFG.		
TYPE		
SER. NO.		
DEPTH OUT		
HOURS RUN		
FOOTAGE		
REAMER CUTTER No.		
TYPE		

TIME FROM / TO

DRILLED FROM / TO

FORMATION AND EXPLANATION

Travel Time & Moving Camp

DEVIATION: DEPTH / DEGREES

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED: TYPE / AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER	Lockhart Fowler	16
DERRICK MAN	Pat McGahan	16
MOTOR MAN	Bob Hicks	8
HELPER	Ed Roper	16
HELPER	Harold Seeds	8
HELPER		
HELPER		

EVENING TOUR

IN HOLE — END OF TOUR

No.	PIPE SIZE	FEET
	STAND. D.P.	
	SINGLE D.P.	
	LNGTH. CLRS.	
	KELLY IN	
	OTHER	
	TOTAL	

DRILL COLLARS

No.	DIAMETER	LGTH.

BIT RECORD

RUN No.		
SIZE		
MFG.		
TYPE		
SER. NO.		
DEPTH OUT		
HOURS RUN		
FOOTAGE		
REAMER CUTTER No.		
TYPE		

TIME FROM / TO

DRILLED FROM / TO

FORMATION AND EXPLANATION

Travel Time & Moving Camp @ Am

DEVIATION: DEPTH / DEGREES

MUD RECORD

TIME		
WT.		
VISC.		
W. L. CC.		
FLTR. CK.		
P. H.		

MUD & CHEM. ADDED: TYPE / AMOUNT

DRLG. CREW PAYROLL — HRS.

DRILLER	Geo Wallace	16
DERRICK MAN	Jas Jefferson	16
MOTOR MAN	Tim Doch	8
HELPER	Harold Evans	8
HELPER	Lloyd Babcock	8
HELPER		
HELPER		

REMARKS (REPAIRS. ACCIDENTS AND. ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT	
LINER SIZE		LINER SIZE		LINER SIZE	

BRINKERHOFF DRILLING COMPANY LTD.

CALGARY — EDMONTON

THIS IS THE _____ DAY FROM SPUD DATE

WELL | COMP. | DAT

LSD | SEC | TWP | RNGE | W. MER | PROVINCE Alta | TOOL PUSHER

MORNING TOUR

IN HOLE — KIND OF TOUR			BIT RECORD				TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION	MUD RECORD		DRLG. CREW PAYROLL	HRS
No.	PIPE SIZE	FEET	RUN No.								TRUE TIME FROM EDMONTON	TIME		DRILLER George Eddie	8
	STAND. D.P.		SIZE									WT.		DERRICK MAN Ed Johnson	8
	SNGLS. D.P.		MFG.									VISC.		MOTOR MAN	
	LNGTH. CLRS.		TYPE									W.L. CC.		HELPER	
	KELLY IN		SER. No.									FLTR. CK.		HELPER	
	OTHER		DEPTH OUT									P.H.		HELPER	
	TOTAL		HOURS RUN									MUD & CHEM. ADDED		HELPER	
DRILL COLLARS			FOOTAGE									TYPE	AMOUNT		
No.	DIAMETER	LGTH.	REAMER CUTTER No.									DEVIATION			
			TYPE									DEPTH	DEGREES		

DAY TOUR

IN HOLE — KIND OF TOUR			BIT RECORD				TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION	MUD RECORD		DRLG. CREW PAYROLL	HRS
No.	PIPE SIZE	FEET	RUN No.								TRUE TIME FROM EDMONTON	TIME		DRILLER Eddie Eddie	8
	STAND. D.P.		SIZE									WT.		DERRICK MAN	
	SNGLS. D.P.		MFG.									VISC.		MOTOR MAN	
	LNGTH. CLRS.		TYPE									W.L. CC.		HELPER John Smith	8
	KELLY IN		SER. No.									FLTR. CK.		HELPER	
	OTHER		DEPTH OUT									P.H.		HELPER	
	TOTAL		HOURS RUN									MUD & CHEM. ADDED		HELPER	
DRILL COLLARS			FOOTAGE									TYPE	AMOUNT		
No.	DIAMETER	LGTH.	REAMER CUTTER No.									DEVIATION			
			TYPE									DEPTH	DEGREES		

EVENING TOUR

IN HOLE — KIND OF TOUR			BIT RECORD				TIME FROM	TIME TO	DRILLED FROM	DRILLED TO	FORMATION AND EXPLANATION	MUD RECORD		DRLG. CREW PAYROLL	HRS
No.	PIPE SIZE	FEET	RUN No.								TRUE TIME FROM EDMONTON	TIME		DRILLER Richard Eddie	8
	STAND. D.P.		SIZE									WT.		DERRICK MAN Al McCullen	8
	SNGLS. D.P.		MFG.									VISC.		MOTOR MAN	
	LNGTH. CLRS.		TYPE									W.L. CC.		HELPER Ed Kluger	8
	KELLY IN		SER. No.									FLTR. CK.		HELPER	
	OTHER		DEPTH OUT									P.H.		HELPER	
	TOTAL		HOURS RUN									MUD & CHEM. ADDED		HELPER	
DRILL COLLARS			FOOTAGE									TYPE	AMOUNT		
No.	DIAMETER	LGTH.	REAMER CUTTER No.									DEVIATION			
			TYPE									DEPTH	DEGREES		

REMARKS (REPAIRS, ACCIDENTS AND ETC.)

SLUSH PUMP RECORD

MORNING TOUR		DAY TOUR		EVENING TOUR	
PUMP PRES.	PSI	PUMP PRES.	PSI	PUMP PRES.	PSI
ROT. R.P.M.		ROT. R.P.M.		ROT. R.P.M.	
POINTS WT.		POINTS WT.		POINTS WT.	
LINER SIZE		LINER SIZE		LINER SIZE	