HUSKY ET AL

SIBBESTON

G-69

Drilling Authority No. 390
Date Issued 15 December 1969

WELL NAME Husky et al Gibbeston 8-69
FIELD ..... Area: .....
LOCATION: Unit 8 Section 69 Grid 62-00-122-30
Latitude 61-58-28 Longitude 122-41-45
U.W.L.R. 61,97445 -- 122,69583
U.W.I. 300G68200122300

Rig Release Date: .....
Status .....
Information Release Date .....

CHANGE OF NAME:

| DATE RECEIVED | INDEX |
|---|---|
| 15/12/69 | Application for a Drilling Authority. |
| | Well Completion Data. |
| | Well History Report. |
| | Application to Amend a Drilling Authority. |
| | Application to change a Well Name. |
| 9-2-70 | Application to Abandon a Well or Suspend Drilling. |
| | Application to Alter Condition of a Well. |
| | Well History Supplement. |
| 29/1/70 | Well Completion Data. |
| | Work-over Report No. ..... |
| | Application to Commingle Production before Measurement. |
| | Data for Back Pressure Test on Natural Gas Wells – Monograph 7 Method. |
| | Data for Back Pressure Test on Natural Gas Wells – Vitter's Method. |
| | M.P.R. – Oil – Calculations. |
| | New Oil Well Report. |
| | New Gas Well Report. |
| | Well Inspection Report. |
| | Rig Inspection Report. |
| | Battery Inspection Report. |
| | Equipment Report. |
| | Well Card. |
| | New Service Well Report. |
| | Monthly Water Flood Operations Report |
| | Monthly Water Receipts and Disposal of Fluids Report |
| | Logs. Large scale..... Small scale..... |

IAND 52-90 (3-69)

Drilling Authority No. 390
Date Issued Dec. 15, 1969

Canada

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

# WELL COMPLETION DATA

*To be submitted in duplicate within thirty days after the completion, rework, abandonment or suspension of every well.*

Well name and number: Husky et al Sibbeston G-69

Permit No. 5357 Lease No.

Champlin Petroleum Co. (Permittee, Licensee, Lessee) Exploratory Licence No. 1234

Husky Oil Ltd. (Operator) Exploratory Licence No. 1336

Location: Unit C Section 69 Grid 62°00' ; 122°30'

Latitude 61°58'28" N Longitude 122°41'45" West

From Established Reference Marker

Universal Well Location Reference Lat. 61.97445° N., Long. 122.69583° W.

| | DATE | DEPTH |
|---|---|---|
| Spudded 8:00 A | Jan 3 '70 | |
| Suspended | | |
| Resumed Operations | | |
| Finished Drilling | Jan 25 '70 | 3570 |
| Deepened | | |
| Complete (gas/oil) | | |
| Abandoned | Jan 28 '70 | 3570 |
| Rig released 12 midnight Jan 28, '70 | | 3570 |

Pool(s) Undesignated

Interval(s) open to production None

Elevation: Gr. 1165.5 K.B. 1178

Rig No. 12

Drilling Contractor Commonwealth Drilling

Contractor's Business Licence No. 0575

## CASING RECORD

| Casing Size (Inches) | Grade | Weight | Amount | Set at ~ | Sacks of Cement and Additives |
|---|---|---|---|---|---|
| 1. 9 5/8 | J 55 | 36# | 13 Joints | 419 | 300 + 2% $CaCl_2$ |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |

| GEOLOGICAL TOPS | ELEVATION Depths | ELEVATION Sub-Sea |
|---|---|---|
| Alexandre Sand | 1508 | - 330 |
| Horn R. Shale | 1905 | - 727 |
| Hume | 1934 | - 756 |
| Bear Rock | 2318 | -1140 |
| Manetoe | 2370 | -1192 |
| Base Manetoe | 2520 | -1342 |
| Basal Clastics | 3275 | -2097 |
| Pre Cambrian | 3549 | -2371 |
| Total Depth | 3570 | -2392 |

## CORE RECORD

| From | To | Rec. | From | To | Rec. |
|---|---|---|---|---|---|
| 1943 | 1987 | 44 | | | |

## LOG RECORD

| Run No. | Type of Log | From | To |
|---|---|---|---|
| 1 | Bore Hole Compensated Sonic G.R. Caliper | 417 | 3567 |
| 1 | Induction Electrical Log | 417 | 3568 |

IAND 52-90 (2) (2-69)

| CEMENTING RECORD (Plug, Squeeze, etc.) | | | |
|---|---|---|---|
| Date | From | To | Remarks |
| Jan 28 '70 | 3250 | 3570 | 133 sacks cement |
| Jan 28 '70 | 2325 | 2800 | Felt at 2305 211 sacks cement. |
| Jan 28 '70 | 310 | 210 | Felt at 190 45 sacks cement. |
| Jan 28 '70 | Surface | | 5 sax in sur. casing |
| | Welded on plate and erected identification marker. | | |

| PERFORATING RECORD (Bullet, Jet) | | | |
|---|---|---|---|
| Date | From | To | Remarks |
| | | NONE | |

| SERVICING RECORD (Acidizing, Fracing, etc.) | | | |
|---|---|---|---|
| Date | From | To | Remarks |
| | | NONE | |

DRILL STEM TESTS

| No. | Date | Formation | From | To | V.O. Mins. | I.S.I. Mins. | F.S.I. Mins. | I.S.I. B.H.P. | F.S.I. B.H.P. | I.F. B.H.P. | F.F. B.H.P. | I.H.P. | F.H.P. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Jan 17 '70 | Bear rock | 2362 | 2377 | 60 | 28 | 59 | 792 | 792 | 38 | 79 | 1171 | 1171 | Rec. 110' salt water 10' oily mud. |
| 2 | Jan 27 '70 | Basal Clastics | 3260 | 3570 | 59 | 26 | 54 | 1226 | 1226 | 868 | 1225 | 1652 | 1640 | Rec. 2500' salt water |

ANALYSIS

| Lab. No. | Sample | From | To | Source | Remarks |
|---|---|---|---|---|---|
| [illegible]-1606 | Water | 2362 | 2377 | DST#1 | Core Lab |
| [illegible]-1610 | Water | 3260 | 3570 | DST#2 | Core Lab |

PRESENT STATUS OF WELL

| | | |
|---|---|---|
| Oil | | (Interval.) |
| Gas | | (Interval.) |
| Dry | ✓ | |
| Susp. | | |

Company: Husky Oil Ltd.

Signed by: [illegible]

Title: Drilling Engineer

Date: Jan. 29, 1970

Forms to be prepared in duplicate and forwarded to the Oil Conservation Engineer, Calgary, Alberta.

File No.
Drilling Authority No. 390

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

FEB 9 1970

# Application to Abandon a Well ~~or Suspend Drilling~~

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made to abandon, to ~~suspend drilling~~:

Name and number of well: Husky et al Sibbeston C-69

Location: Unit: C Section: 69 Grid: 62°00'; 122°30'

Latitude: 61°58'28" North Longitude: 122°41'45" West

From Established Reference Marker

Universal Well Location Reference: Lat. 61.97445° N., Long. 122.69583° W.

Permit No. 5357 Lease No.

Champlin Petroleum Company
(Permittee, Licensee, Lessee)

Date of commencement of proposed program: January 27, 1970

## OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at: None

Gas at: None

Water at: DST#1 2362-2377 DST#2 3260-3570

Total Depth: 3570 Date of last operations: January 25, 1970

Present condition of well: Plugged and abandoned. Monument erected per verbal approval from B.H.J. Thoms, January 27, 1970.

## CASING RECORD

| | Casing Size O.D. Inches | Weight | Amount | Set At— | Sacks of Cement and Additives | Amount Pulled |
|---|---|---|---|---|---|---|
| 1. | 9 5/8 | 36# | 13 Joints | 419' | 300 + 2% $CaCl_2$ | None |
| 2. | | | | | | |
| 3. | | | | | | |
| 4. | | | | | | |
| 5. | | | | | | |

## PROPOSED ABANDONMENT PROGRAM

| Plug No. | Plug Position | Geological Formation | Number of Sacks of Cement | Remarks |
|---|---|---|---|---|
| 1 | 3250-3570 | Basal Clastics | 133 | |
| 2 | 2325-2800 | Manetoe | 211 + 2%$CaCl_2$ | Felt at 2305' |
| 3 | 310- 210 | Surface Csg. | 45 + 2%$CaCl_2$ | Felt at 190' |
| 4 | Surface | | 5 | |

The following logs have been run: Bore Hole Comp. Sonic Induction Electrical

Other operations proposed: None

Operations to be carried out by: Commonwealth Drilling Ltd. Contractor Licence No. 0575

Address: Calgary, Alta. Address:

Responsible Agent in field: Glen Robertson Eski Motel FT Simpson

Dated at: Calgary, Alta., this 29 Day of January 19 70

Signed by: Company: Husky Oil Ltd.

Title: Drilling Engineer Operator's Exploratory Licence No. 1356

**Note:—The Oil Conservation Engineer's office must be notified before work is commenced.**

*(For OIL AND MINERAL DIVISION use only)*

## APPROVAL

This application has been examined and proposed programme approved, subject to the following conditions:

Confirming oral approval given by Mr. B.H.J. Thoms on the 27th January 1970.

Dated: 9th February, 19 70

B. H. J. Thoms
Oil Conservation Engineer

*Forms to be submitted in triplicate to Oil Conservation Engineer, Department of Indian Affairs and Northern Development, Calgary, Alberta.*

Drilling Authority No. 390

Project No.

File No.

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

DEC 15 1969

# Application for a Drilling Authority

This notice of intention to begin drilling operations, in triplicate, and where required a plan o' survey approved by the Surveyor General showing the target area or the site of the well must be submitted and approved before commencing operations.

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to drill —

Name and number of well Husky et al Stibbeston G-69

Location: Unit G Section 69 Grid 62°00'; 122°30'

Latitude 61° 58' 28" Longitude 122° 41' 45"

Unique Well Identifier 3000696200122300

Universal Well Location Reference Lat. 61.97445° N., Long. 122.69583° W.

Elevation: Ground 1165.5 K.B. 1177'Est. feet above sea-level.

Well is expected to produce from Devonian or Basal Clastics formation at a depth of about 4000' feet. Expected total final depth 4000

Area assigned to well

(for Oil Conservation Engineer's use only)

Permit No. 5357 Lease No. Acreage 60,296

Permittee, licensee, or lessee Champlin Petroleum Company

Exploratory Licence No. 1236

Surface owned by Crown or Crown

Petroleum and natural gas rights owned by Crown (If alienated, submit name and address of owner and occupant.)

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

| Casing Size O.D. (Inches) | Weight (Lb./Ft.) | Grade | New or Used | Estimated Depth | Sacks of Cement |
|---|---|---|---|---|---|
| 1. 9 5/8 | 36 | J55 | New | 400' | As required to surface. |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |

Expected water, gas, and oil horizons and type of control equipment Devonian or Basal Clastics. Drilling mud and Hydraulic Blowout Preventers. Double Shaffer and Hydril G.K.

Well will be drilled with Rotary Rig No. 12 by Commonwealth Drilling Ltd. (Drilling Contractor or company)

Responsible agent of applicant:— Contractor's business Licence No.

At well C. R. Carrington At registered office David H. Searle

Address 815 - 6 St. S.W. Calgary, Alberta Address P.O. BOX 939, Yellow Knife N.W.T.

It is understood that if changes become necessary, notice of the change of plan will be submitted.

Dated at Calgary, Alberta, this 10 day of December 19 69

Signed by [signature] Company HUSKY OIL LTD.

Title Drilling Engineer Operator's Licence No. 1356

*(For Oil and Mineral Division use only)*

APPROVED

This application has been examined and approved subject to the following conditions:—

1. The Company will submit to this office, on Tuesday of each week, the latest reports received by radio on the progress of the well.
2. During well drilling and testing operations, every effort shall be made to ensure

Dated 15th December 19 69 Oil Conservation Engineer (over)

*Forms to be submitted to Oil Conservation Engineer, Department of Indian Affairs and Northern Development, Calgary, Alberta.*

IAND 52-90-1 (3-69)

that drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent the contamination of adjacent vegetation and surface or sub-surface waters.

3. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.

Bob S Thoms

R.H.J. Thoms, Oil Conservation Engineer

# HUSKY OIL LTD.

PLAN SHOWING

WELL LOCATION P-68

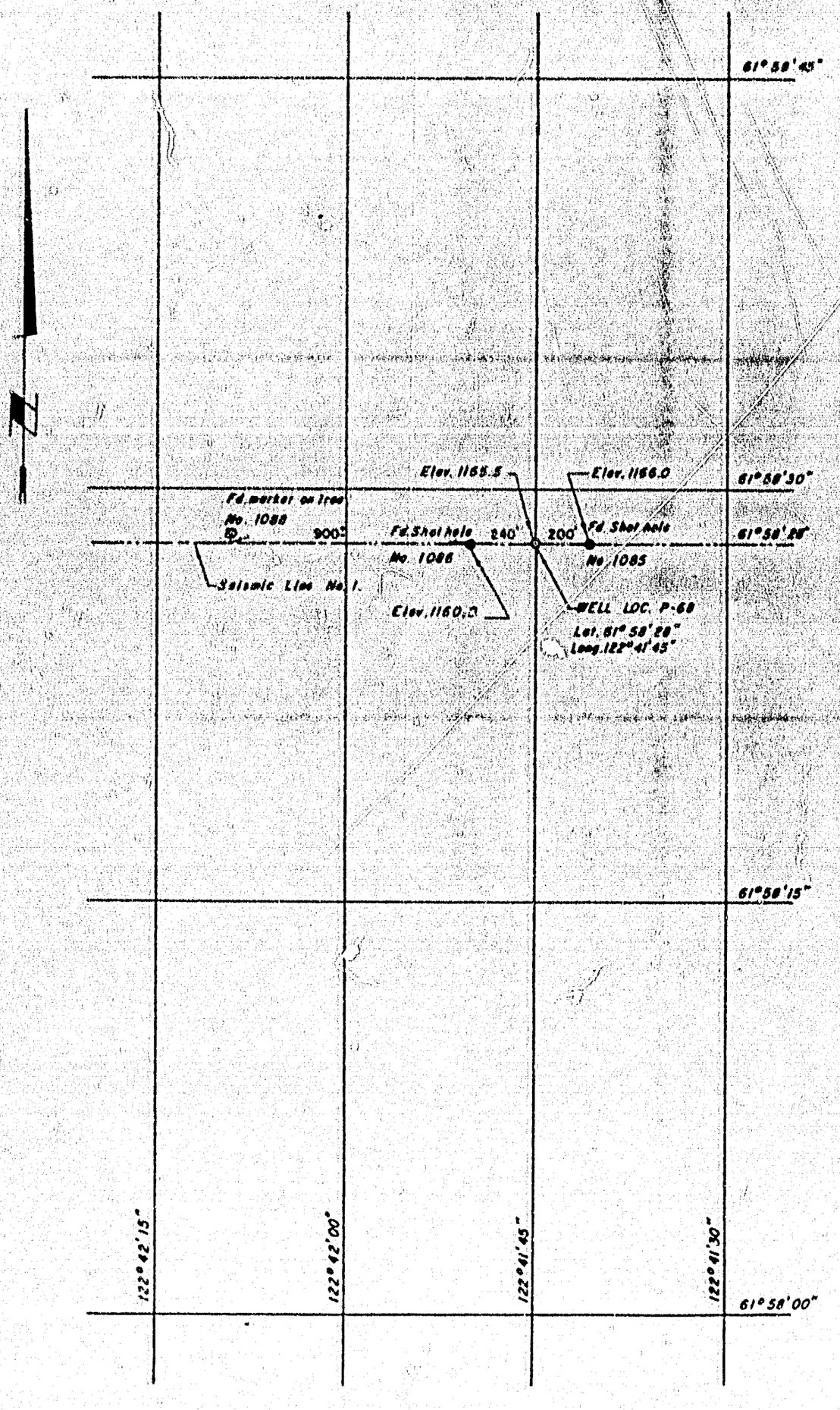
LAT. 61°58'26", LONG. 122°41'48"

RELATIVE TO REFLECTION SEISMOGRAPH GRID

SIBBESTON LAKE AREA

NORTHWEST TERRITORIES

Scale 1" = 500' - Dec. 4th / 69




C - 6192

Husky et al Sibbeston

G 69

Drilling and Geological Report

HUSKY ET AL SIBBESTON

G-69

D & A

OIL & GAS OPERATIONS UNIT
Oil and Mineral Division
JUL 30 1970
OTTAWA, CANADA
Dept. of Indian Affairs & Northern Development

February 26, 1970

This Report prepared and
submitted on behalf of
Husky Oil Ltd. by
Oilmen's Wellsite Services Ltd.

per: Gordon Strom
Gordon Strom P. Geol.

# INDEX OF CONTENTS


| | Page |
|---|---|
| WELL HISTORY FORMAT | 1-4 |
| SUMMARY OF WELL DATA | 5 |
| GEOLOGICAL SUMMARY | 6 |
| ENGINEERING SUMMARY | 7, 8 |
| DRILLSTEM TEST REPORTS | 9, 10 |
| BIT RECORD | 11 |
| MUD RECORD | 12 |
| PLUGGING RECORD | 13 |
| CORE DESCRIPTION | 14, 15 |
| SAMPLE DESCRIPTION | 16-24 |
| ANALYSIS & LOGS | Back Pocket |

Department of
Indian Affairs and
Northern Development

CANADA

Ministère des
Affaires indiennes et
du Nord canadien

Oil and Mineral Division

our file notre dossier
your file votre dossier

## WELL HISTORY REPORTS

Pursuant to Section 101 (2) of the Canada Oil and Gas Drilling and Production Regulations, every licencee, permittee or lessee shall forward to the Oil Conservation Engineer, Department of Indian Affairs and Northern Development, Oil and Mineral Division, 112 - 11th Avenue S.E., Calgary 21, Alberta, in triplicate, within thirty days after the abandonment, suspension or completion of any well, a Well History Report. In order to standardize these reports in content and format, the following outline should be used.

SECTION I - Summary of Well Data

(a) Complete well name and number as shown on the Drilling Authority. The well number - letter designation will be the unit - section, of the grid on which the well is drilled.

(b) Permittee, Licencee or Lessee

(c) Name of Operator
State the name and address of operator.

(d) Location
All locations will be referred to the Grid System, i.e., unit-section-grid, e.g., C-39-63-50-120-30. Locations in latitude and longitude should also be supplied when available. Universal Well Location Reference number and the Unique Well Identifier should be used if available.

(e) Co-ordinates
The position of each development well relative to the target area shall be precisely determined and shown.

(f) Permit or Lease Number

(g) Drilling Contractor
State the name, the rig number and type.

(h) Drilling Authority
State the number and the date issued.

(i) Classification
State whether new field wildcat, step-out, etc.
Use the Lahee Well Classification system.

(j) Elevations
Elevations are to include Ground and K.B.

(k) Spudded.

(l) Completed drilling.

(m) Total Depth and Plugged Back Total Depth, if applicable.

(n) Well Status.

(o) Rig Released date.

(p) Hole Sizes to total depth.

(q) Casing.

SECTION II - Geological Summary

(a) Formation Tops
Tabulate E-log and sample tops separately.

(b) Cored Intervals
State intervals, formation and recovery.

(c) Core Descriptions
Include coring times in minutes per foot.

(d) Sample Description

(e) Paleontological Determinations

SECTION III - Engineering Summary

(a) Report of Drill Stem Tests
Include copies of charts and all pertinent data.

(b) Casing Record
Indicate in an appropriate form all pertinent data.

(c) Bit Record
Should include a comprehensive summary of bits used, size, hours on bottom, etc.

(d) Mud Report
Indicate the type and amount used.

(e) Deviation Record
Record results of all deviation surveys made.

(f) Abandonment Plugs
If production tests or completion was not attempted, abandonment plugs and intervals should be summarized in this section.

(g) Lost Circulation Zones
Indicate the formation, zone, depth intervals and amount of material lost. State the corrective measures taken.

(h) Report of Blowouts
Include the detailed description of all blowouts.

SECTION IV - Logs

Logging and surveying operations are to be tabulated showing dates run, intervals and type of logs run. One copy of each log should be included in an appropriate folder attached to the back of the report.

SECTION V - Analysis

(a) Core Analysis

(b) Water Analysis

(c) Gas Analysis

(d) Oil Analysis

A legible copy of each analysis should be included.

SECTION VI - Completion Summary

(a) Tubing Record
State all pertinent details regarding tubing and packers used.

(b) Perforation Record
This record must comprise the intervals perforated, the number of perforations, type and size of bullets and/or jets, and the dates when the operations were carried out.

(c) Cementation Record
Squeeze and plug back jobs must be numbered and dated and the intervals and operational details noted. Abandonment plugs must be numbered and dated and the position of the plugs given in relation to the zones and intervals. The amount of cement used and the depth at which each plug was felt should be included.

(d) Acidization and Fracturing Record
Include the amounts of acid and additive used, the feeding rates and pressures, the well conditions before and after stimulation.

(e) Back Pressure and Production Tests
Summarize the type of Back Pressure Test and give details on all Production Tests.

This report should be prepared on an 8½" x 11" paper and bound in a suitable loose-leaf type folder.

An index of the contents must precede the report material and the report must be dated and signed by an appropriate official.

In case of development wells, a formal Well History Report is not required. The Well Completion Date (Form 52-90-2) will suffice.

Oil and Gas Section December 1, 1969.

# WELL HISTORY REPORT

## SECTION 1 - Summary of Well Data

(a) WELL NAME:
Husky et al Sibbeston G-69

(b) PERMITTEE:
Champlin Petroleum Limited

(c) OPERATOR:
Husky Oil Ltd. - 815 - 6th Street S. W., Calgary, Alberta

(d) LOCATION:
1) Unit G - Sect. 69 - Grid 62° 0' x 122° - 30'

2) 61° 58' 28" N. Lat. - 122° 41' 45" W. Long.

3) Universal Well Location Reference:
Lat. 61.97445° N., Long. 122.69583° W.

4) Unique Well Identifier: 300069620012230O

(e) Not Available

(f) PERMIT NO.
5357

(g) DRILLING CONTRACTOR:
Commonwealth Drilling Rig #12 Unit 34

(h) DRILLING AUTHORITY:
#390 December 15, 1969

(i) CLASSIFICATION:
Wildcat

(j) ELEVATIONS:
Ground Elevation 1166' K. B. 1178'

(k) SPUDDED:
January 3, 1970

(l) COMPLETED DRILLING:
January 25, 1970

(m) Total Depth - 3570'

(n) STATUS:
Dry and Abandoned

(o) RIG RELEASED DATE:
January 28, 1970

(p) HOLE SIZES:
13 3/4" to 425' - 8 3/4", 425' - 3570'

(q) CASING:
Surface Casing: 9 5/8" Cemented @ 419'

## SECTION II - Geological Summary

(a) Formation Tops - K.B. 1178

| | SAMPLE | | LOGS | |
|---|---|---|---|---|
| | Depth | Sub-Sea | Depth | Sub-Sea |
| Ft. Simpson Sh. | 430 | + 748 | 417 | + 711 |
| Horn River | 1860 | - 682 | 1905 | - 727 |
| Hume | 1936 | - 758 | 1934 | - 756 |
| Bear Rock | 2310 | -1132 | 2318 | -1140 |
| Manatou | 2370 | -1192 | 2372 | -1194 |
| Arnica | 2520 | -1342 | 2520 | -1342 |
| Basal Clastics | 3275 | -2097 | 3275 | -2097 |
| Pre Cambrian | 3548 | -2370 | 3549 | -2371 |
| Total Depth | 3570 | -2392 | 3569 | -2391 |

(b) Cored Intervals

Core #1 1943 - 1987

Hume Formation - Cut 44 Ft., Recovered 44 ft.

(c) Core Descriptions and Core Times

See attached Core Descriptions

(d) Sample Description

See attached "Sample Record".

(e) Paleontological Determinations

Paleontological determinations indicate Core #1 cut in Hume Formation.

# OILMEN'S WELLSITE SERVICES LTD.

## CORE RECORD

Well Name Husky et al Sibbeston G-69 K.B. 1178

| Core No | From | To | Recovery | Core Lost or Pickup | Formation |
|---|---|---|---|---|---|
| 1 | 1943 | 1988 | 43' | Lost 2' | Hume |

| DEPTH From | DEPTH To | Interval | DESCRIPTION |
|---|---|---|---|
| 1943 | 1947 | 4' | Limestone, dark grey, slightly argillaceous; bioclastic with some coral and stromatoporoids (Box #9) |
| 1947 | 1952 | 5' | Limestone, light grey; 70-80% massive stroms; Reefal. (Box #8) |
| 1952 | 1957 | 5' | Limestone, light grey, very fine crystalline; slightly shaly; 70-80% strom.; Reefal (Box #7) |
| 1957 | 1962 | 5' | Limestone, light grey, biostromal; reefal in part. Bioclastic stomatoporoid material 70-80%; strom. materia = 30% or more. Brachiopod, coral material= 20-30%. (Box #6) |
| 1962 | 1967 | 5' | Limestone, light grey, slightly shaly; 70-80% scattered stroms and corals. Limestone fractured and infilled with secondary calcite. (Box #5). |

| | |
|---|---|
| Core | 37, 25, 38, 34, 33, 30, 37, 35, 36, 40, 44, 40, 37, 37, 32, 30, 34, 29, 28, 31, 32, 33, 40, 2[illegible] |
| Time | |

# OILMEN'S WELLSITE SERVICES LTD.

## CORE RECORD

Well Name Husky et al Sibbeston G-69 K.B 1178

| Core No | From | To | Recovery | Core Lost or Pickup | Formation |
|---|---|---|---|---|---|
| 1 | 1943 | 1988 | 43' | Lost 2' | Hume |

| DEPTH From | DEPTH To | Interval | DESCRIPTION |
|---|---|---|---|
| 1967 | 1972 | 5' | Limestone, light grey, 40-70% stromal, massive type; 10% coral-biostromal limestone - (Box #4) |
| 1972 | 1977 | 5' | Limestone, light grey, microcrystalline with occasional bands of shaly limestone; fractures infilled with secondar calcite; Basal 6" contains strom's, and coral. Limestone bioclastic. (Box #3) (Stroms 60% + organic material) |
| 1977 | 1982 | 5' | Limestone, light grey, bottom part (1') full of solitary horn-type corals; slight fractures infilled with secondary calcite; occasional interbedded shaly limestone of dark grey color; Limestone bioclastic; (Stroms 60-70%) (Box #2) |
| 1982 | 1986 | 4' | Limestone, dark grey with bands dark grey to black shaly limestone; Limestone bioclastic with solitary horn corals and stroms distributed in bottom part. (Box #1) |

| | |
|---|---|
| Core | 26, 27, 32, 34, 37, 39, 32, 33, 33, 33, 37, 32, 32, 28, 72, 40, 46, 42, 52. |
| Time | |

# OILMEN'S WELLSITE SERVICES LTD.

## SAMPLE RECORD

Well Name Husky et al Sibbeston G-69 K.B. 1178

| DEPTH From | DEPTH To | DESCRIPTION |
|---|---|---|
| 0 | 430 | Glacial drift and gravel, sand, boulders, clay. |
| | | FORT SIMPSON 430 (+748) |
| 430 | 490 | Shale, dark grey, soft, micromicaceous, non-calcareous, rough texture in part w/black accessory minerals; very slight amount dark grey siltstone, slightly calcareous with very scattered black accessory minerals as above. Very slight amount of brown aragonite fracture in-fill. |
| 490 | 610 | Shale, as above, but no aragonite intermittent soft, flaky accessory minerals. |
| 610 | 630 | Shale, as above, with aragonite infilling or inclusions. |
| 630 | 900 | Shale, as above, no aragonite; Shale appears darker and harder in small part. (some cavings). |
| 900 | 1100 | Shale, as above, intermittent Siltstone, dark grey, to Sandstone dark grey, argillaceous, slightly calcareous. |
| 1100 | 1500 | Shale, as above, with some greyish brown Shale and Siltstone. |
| 1500 | 1550 | Sandstone, light grey to grey, very fine calcareous; subangular to subrounded, frosted in part, accessory minerals less than 5%; vitreous luster in part. Some Siltstone, grey, slightly calcareous and Sandstone, grey to dark grey, as above. |
| 1550 | 1600 | Sandstone, as above, also grey brown Sandstone, some interbedded dark grey Shale. |
| 1600 | 1610 | Shale, as above. |
| 1610 | 1630 | Sandstone, as above. |
| 1630 | 1640 | Shale, as above. |
| 1640 | 1660 | Sandstone and Shale, as above. |

# OILMEN'S WELLSITE SERVICES LTD.

## SAMPLE RECORD

Well Name Husky et al Sibbeston G-69 K.B. 1178

| DEPTH From | DEPTH To | DESCRIPTION |
|---|---|---|
| 1660 | 1670 | Shale (60%), Sandstone, (40%), as above. |
| 1670 | 1690 | Shale, as above. |
| 1690 | 1730 | Shale, darker grey in part. |
| 1730 | 1740 | Shale, as above, with traces pyrite and minor amount interbedded Sandstone. |
| 1740 | 1750 | Sandstone, 50%; Shale 50%, as above. |
| 1750 | 1760 | Shale, light to dark grey, with a reddish brown dolomitic infill in fractures. |
| 1760 | 1770 | Shale, as above; mostly dolomitic infill. |
| 1770 | 1790 | Shale, as above; with some interbedded Sandstone. |
| 1790 | 1800 | Siltstone, dark grey; Shale, as above but with less dolomitic fracture infill. |
| 1800 | 1830 | Shale, dark grey, minor amounts Sandstone and Siltstone; some dolomitic infill. |
| 1830 | 1840 | Shale, as above, mostly Shale with considerable pyrite inclusions and fracture infilling. |
| 1840 | 1850 | Shale, dark grey, with some inclusions of a tabular, dark heavy mineral. |
| 1850 | 1860 | Shale, very dark grey to black, abundant pyrite and heavy mineral. |
| | | HORN RIVER 1860 (-682) |
| 1860 | 1870 | Shale, dark grey to black, also some light grey;pyritic, some minor Sandstone and Siltstone. |
| 1870 | 1900 | Shale, as above, pyrite generally associated with lighter colored Shales, Siltstone and Sandstone. Very little pyrite and accessory minerals with black shales. Black Shales appear bituminous and very slightly silty. |

# OILMEN'S WELLSITE SERVICES LTD.

## SAMPLE RECORD

Well Name Husky et al Sibbeston G-69 K.B. 1178

| DEPTH From | DEPTH To | DESCRIPTION |
|---|---|---|
| 1900 | 1910 | Shale, as above; very minor pyrites |
| 1910 | 1936 | Shale, as above, with calcite and gypsum infill of fractures. HUME 1936 (-758) |
| 1936 | 1943 | Limestone, grey to greyish brown; granular in part, mainly micro-crystalline; slightly argillaceous; dense. |
| 1943 | 1988 | CORE #1 - See Core Description. |
| 1988 | 2000 | Limestone, grey to greyish brown; micro to fine crystalline, granular in part; argillaceous to hard shaly in parts; some clear siliceous (non-calcareous) spicules, and minor amounts bioclastic material; dense. |
| 2000 | 2010 | Limestone, dark greyish brown, very fine crystalline; granular in part; very shaly; porosity is trace to very poor micro-vuggy; abundant coarse calcite crystals indicate probable fractures; drilling very rough in 2000-2010 interval and circulation lost @ 2010'. |
| 2010 | 2020 | Limestone, greyish brown, micro to very fine crystalline, granular in part; argillaceous to shaly in parts; dense. |
| 2020 | 2030 | Limestone, greyish brown, microcrystalline; hard, brittle, dense. |
| 2030 | 2060 | Limestone, greyish brown, micro to very fine crystalline, granular in part; slightly argillaceous in part, dense. |
| 2060 | 2080 | Limestone, as above, also some greyish tan, microgranular, slightly chalky Limestone; dense. |
| 2080 | 2110 | Limestone, dark greyish brown, micro to fine crystalline; some fine white calcite crystal inclusions; traces argillaceous and a few traces of very calcareous grey brown shale, dense. |

# OILMEN'S WELLSITE SERVICES LTD.

## SAMPLE RECORD

Well Name Husky et al Sibbeston G-69 K.B. 1178

| DEPTH From | DEPTH To | DESCRIPTION |
|---|---|---|
| 2110 | 2120 | Limestone, very dark greyish brown, almost black; micro to very fine crystalline; shaly and silty, some Limestone as above; dense. |
| 2120 | 2130 | Limestone, dark greyish brown, fine crystalline, argillaceous; some Limestone as above; dense. |
| 2130 | 2150 | Limestone, as above, some grading to granular and chalky. |
| 2150 | 2160 | Limestone, as above, some Limestone very dark brown to black, slight amount calcite crystals; dense. |
| 2160 | 2170 | Limestone, very dark greyish brown, very fine crystalline; slightly argillaceous, dense. |
| 2170 | 2180 | Limestone, as above, but becoming very fine to fine crystalline and granular; slightly argillaceous in part; dense. |
| 2180 | 2200 | Limestone, dark greyish brown, microcrystalline, hard brittle in parts; very slightly argillaceous; dense. |
| 2200 | 2230 | Limestone, dark brown, microcrystalline, some fine calcite crystals possibly on fracture infillings; shaly in parts, dense. |
| 2230 | 2280 | Limestone, dark greyish brown, micro to fine crystalline; slightly chalky to granular in parts; scattered calcite and pyrite inclusions; argillaceous to shaly in parts; dense. |
| 2280 | 2310 | Limestone, light grey to light brown, micro to very fine crystalline; slightly chalky to granular in parts; dense. |
| | | BEAR ROCK 2310 (-1132) |
| 2310 | 2320 | Dolomite, dark greyish brown to black, very fine crystalline, granular to chalky in part; calcareous grading to limestone; shaly and slightly silty in parts; dense. |

# OILMEN'S WELLSITE SERVICES LTD.

## SAMPLE RECORD

Well Name Husky et al Sibbeston G-67 K.B. 1178

| DEPTH From | DEPTH To | DESCRIPTION |
|---|---|---|
| 2320 | 2360 | Limestone, light grey to light greyish brown and tan; microcrystalline granular in part; some traces pyrobitumen inclusions; dense. |
| 2360 | 2370 | Dolomite, white, fine to coarse crystalline, abundant black pyrobitumen (Gilsonite?) as inclusions and accessory material in dolomite and partly as porosity infilling; poor to fair intercrystalline porosity; no live oil staining or fluorescence. |
| 2370 | 2390 | Dolomite, as above, fair porosity; very poor samples due to abundant Shale cavings. |
| 2390 | 2410 | Dolomite, white, fine to coarse crystalline; some pyrobitumen (Gilsonite?) crystal coating and inclusions; traces fine pyrite grain inclusions; trace to fair crystalline and fine vuggy porosity; no oil staining or fluorescence; some dark grey to brown microcrystalline Limestone; dense. |
| 2410 | 2430 | Dolomite, white to light grey and grey brown; fine to coarse crystalline; some black pyrobitumen inclusions and infilling; trace to very poor porosity; no oil staining. |
| 2430 | 2470 | Dolomite, white to greyish brown, partly mottled; very fine to fine crystalline; granular in part; some pyrobitumen (Gilsonite?) inclusions and porosity infilling; scattered trace to poor porosity; no live oil staining or fluorescence. |
| 2470 | 2510 | Dolomite, white to greyish brown in part; some brown mottling and staining along crystal faces; fine to coarse crystalline; scattered inclusions and intercrystalline infilling of pyrobitumen (Gilsonite or some form of asphaltite); some pyrite crystal inclusions; trace to poor porosity in parts; |

# OILMEN'S WELLSITE SERVICES LTD.

## SAMPLE RECORD

Well Name Husky et al Sibbeston G-69 K B 1178

| DEPTH From | DEPTH To | DESCRIPTION |
|---|---|---|
| 2510 | 2540 | Dolomite, dark grey to black and greyish brown; micro to very fine crystalline; trace silty and argillaceous; traces anhydrite; some pyrobitumen as above; traces pyrite; dense. |
| 2540 | 2550 | Dolomite, greyish brown, micro to fine crystalline, some poor to fair scattered intercrystalline and vuggy porosity; no oil staining or fluorescence. |
| 2550 | 2560 | Dolomite, grey brown, micro to fine crystalline; also some white medium to coarse dolomite; some anhydrite inclusions and infilling; traces of scattered poor porosity; no oil staining. |
| 2560 | 2590 | Dolomite, greyish brown, micro to fine crystalline; some white fine to coarse crystalline dolomite (possibly as fracture infilling in part); minor amount pyrobitumen and traces pyrite; scattered traces porosity. |
| 2590 | 2680 | Dolomite, greyish brown to dark brown, micro to fine crystalline; some fine to coarse white dolomite as above; dolomite granular in part; traces anhydrite, pyrite and pyrobitumen; mainly dense, some scattered traces porosity; no oil staining. |
| 2680 | 2740 | Dolomite, greyish brown, micro to fine crystalline; calcareous to limy, granular; abundant inclusions (up to 35% of rock volume) of darker greyish brown dolomite and anhydrite; some scattered poor intercrystalline and vuggy porosity. |
| 2740 | 2760 | Dolomite, grey and greyish brown, micro to very finely granular and crystalline; scattered poor to fair intercrystalline porosity. |
| 2760 | 2800 | Dolomite, greyish brown, micro to fine crystalline, granular in part; slightly calcareous and anhydritic; dense. |

# OILMEN'S WELLSITE SERVICES LTD.

## SAMPLE RECORD

Well Name Husky et al Sibbeston G-69 K.B. 1178

| DEPTH From | DEPTH To | DESCRIPTION |
|---|---|---|
| 2800 | 2840 | Dolomite, greyish brown, micro to very fine crystalline; granular in part; traces anhydrite; minor amounts of white fine crystalline dolomite; scattered trace to poor and occasionally fair intercrystallin and vuggy porosity. |
| 2840 | 2860 | Dolomite, greyish brown, micro to very fine crystalline, slightly granular; traces poor intercrystalline porosity. |
| 2860 | 2890 | Dolomite, greyish brown, micro to very fine crystalline, granular in part; limy in part; trace scattered siliceous material inclusions; traces intercrystalline porosity. |
| 2890 | 2930 | Dolomite, greyish brown, micro to very fine crystalline; some white dolomite (possibly fracture infillings); some white calcite crystal growths; scattered intercrystalline and vuggy porosity. |
| 2930 | 2990 | Dolomite, grey to grey brown, micro to very fine crystalline in parts; dolomite grades to grey, very hard, dense. |
| 2990 | 3050 | Dolomite, very dark grey to brown in parts; micro to very fine crystalline and hard cryptocrystalline in parts; slightly calcareous in parts; dense. |
| 3050 | 3080 | Dolomite, dark greyish brown, micro to very fine crystalline; a few calcite crystals. Some scattered poor intercrystalline porosity; mainly dense. |
| 3080 | 3090 | Dolomite, greyish brown, micro to very fine crystalline; granular; calcareous in part; traces pyrite; some traces scattered inter-crystalline porosity. |
| 3090 | 3110 | Dolomite, greyish brown to dark greyish brown, micro to very fine crystalline; minor amounts of calcite crystals; traces anhydrite; some fair intercrystalline and possible fracture porosity. |

# OILMEN'S WELLSITE SERVICES LTD.

## SAMPLE RECORD

Well Name Husky et al Sibbeston G-69 K.B. 1178

| DEPTH From | DEPTH To | DESCRIPTION |
|---|---|---|
| 3110 | 3120 | Dolomite, light grey to grey brown, crypto to microcrystalline; calcareous, slightly anhydritic and silty; dense. |
| 3120 | 3230 | Dolomite, grey to greyish brown, micro to very fine crystalline; granular in parts; some calcite and (gypsum?) anhydrite crystal inclusions; scattered trace to occasionally poor intercrystalline porosity; some possible open fractures with effective porosity; dolomite generally appears to be dense. |
| 3230 | 3260 | Dolomite, as above with abundant calcite and gypsum (anhydrite) crystals; also some traces pyrobitumen; crystal growths indicate probable open fractures. |
| 3260 | 3275 | Dolomite, greyish brown, micro to very fine crystalline; traces pyrite and gypsum (anhydrite) crystals; generally dense. |
| | | BASAL CLASTICS 3275 (-2097) |
| 3275 | 3290 | Sandstone, grey, quartzose, fine to medium grained; subangular to subrounded, poorly sorted, slightly frosted; mainly loose, uncemented in samples; some pyrobitumen matrix material; some inclusions black bituminous Shale. |
| 3290 | 3300 | Sandstone, as above, some very coarse to pebble size varicolored quartz and black shale inclusions. |
| 3300 | 3330 | Sandstone, varicolored, quartzose, fine to coarse grained, with some very coarse to pebble size quartz inclusions, subrounded to angular; frosted in part; siliceous cemented in part; some shale and pyrobitumen inclusions. |

# OILMEN'S WELLSITE SERVICES LTD.

## SAMPLE RECORD

Well Name Husky et al Sibbeston G-69 K.B. 1178

| DEPTH From | DEPTH To | DESCRIPTION |
|---|---|---|
| 3330 | 3370 | Siltstone, grey, arenaceous, siliceous and dolomitic grading to silty anhydritic dolomite; traces pyrite and some scattered inclusions fine to medium quartz grains. |
| 3370 | 3390 | Siltstone, reddish brown, arenaceous, siliceous and dolomitic; partly anhydritic; siltstone grades to very fine and fine sandstone in parts;- some shaly inclusions. |
| 3390 | 3440 | Siltstone, light grey to reddish brown, slightly dolomitic, anhydritic and siliceous; some anhydritic (?) shale-like inclusions; scattered quartz sand grain inclusions. |
| 3440 | 3510 | Siltstone, reddish brown, shaly, sandy with scattered sand grains; some siderite inclusions and cementing material; some black shaly inclusions. |
| 3510 | 3548 | Sandstone, varicolored, black and red; quartzose, fine to coarse grained, siliceous in part; some black accessory minerals and black mica flakes; some siderite inclusions; generally appears to be basal conglomerate. |
| | | Pre-Cambrian 3548 (-2370) |
| 3548 | 3570 | Granite, consisting of crystalline quartz, feldspars, biotite and some hornblend and other dark minerals. |

## SECTION III - Engineering Summary

(a) See attached Drill Stem Test Reports

(b) Casing Record: Surface Casing:

9 5/8", 36#, J-55, Seamless, 8rd), ST&C, Rge. 3, New Mannesmann casing; Ran and used 13 joints (406.31') Landed @ 419' K.B. and cemented with 300 sacks normal Portland Cement plus 2% $CaCl_2$. Plug down @ 1:00 a.m. January 7, 1970

(c) Bit Record - See attached Bit Record forms

(d) Mud Report - See attached Mud Record forms

(e) Deviation Record

| Depth | Dev. | Depth | Dev. |
|---|---|---|---|
| 60 | 3/4 | 1578 | 3 |
| 90 | 1/2 | 1609 | 2 3/4 |
| 120 | 1/4 | 1670 | 2 1/4 |
| 160 | 1 | 1860 | 2 1/2 |
| 180 | 3/4 | 1940 | 2 3/4 |
| 195 | 1/2 | 2049 | 1 3/4 |
| 233 | 1/2 | 2112 | 2 1/8 |
| 289 | 3/4 | 2320 | 1 1/4 |
| 320 | 1/8 | 2540 | 1 |
| 377 | 0 | 2750 | 2 1/4 |
| 200 | 1/4 | 2820 | 3 |
| 230 | 1/2 | 2880 | 2 3/4 |
| 260 | 1/4 | 3040 | 3 1/4 |
| 348 | 1 1/4 | 3070 | 3 3/4 |
| 379 | 3/4 | 3092 | 3 |
| 406 | 1/2 | 3125 | 3 1/2 |
| 422 | 1/2 | 3124 | 3 1/2 |
| 611 | 7/8 | 3158 | 3 1/8 |
| 829 | 3/4 | 3190 | 3 3/4 |
| 1040 | 3/4 | 3230 | 3 1/2 |
| 1236 | 2 | 3262 | 3 1/8 |
| 1268 | 1 1/2 | 3296 | 4 |
| 1361 | 2 | 3323 | 3 3/4 |
| 1450 | 2 1/8 | 3350 | 3 1/2 |
| 1480 | 1 7/8 | 3570 | 2 3/4 |

(f) Abandonment Plugs

| | | |
|---|---|---|
| Plug #1 | 3250-3270' | w/133 sax Portland Cement |
| Plug #2 | 2325'-2800' | w/211 sax Portland Cement |
| Plug #3 | 210'- 310' | w/ 45 sax Portland Cement |
| Plug #4 | Surface | w/ 5 sax Portland Cement |

(g) Lost Circulation Zones

1) Hume @ 2210' - 100 bbls lost. Added 1920# of Sawdust Successful.

2) Bear Rock - BSL. @ 3220' - 120 bbls Lost. Added 3000# Sawdust. Successful.

(h) Blowouts

None

SECTION IV - Logs 26th January 1970

| | |
|---|---|
| BHC-SGR-C | 417 - 3567' |
| IES | 417 - 3568' |

SECTION V - Analysis

Attached

Water Analyses - Lab. Report No. CAL-2-1606
Lab. Report No. CAL-2-1630

SECTION VI - Completion Summary

(a) Tubing Record, not needed

(b) Perforation Record, not needed

(c) Cementation Record

Plug Interval: Amounts from Sec. III (f)

See attached forms.

# DRILL STEM TEST REPORT

Well Name Husky et al Sibbeston G-69 Date Jan. 17/70

Test No One Testing Co B.J. Operator L. Penner

Test Interval 2362-2377 Formation Bear Rock

Well Depth 2377 Hole Size 8 3/4 Rathole Depth - Size

Type of Tool Dual Bottom; Open Hole O.D. Rubber 7 1/2"

Drill Pipe Size 4" F.H. Wt./Ft. 14.5 Choke Size 1/2"

Mud Wt 9.7 Visc 40 W.L. 9.6 Salinity - ppm NaCL

Cushion NIL Mud Level Drop in Annulus 1'

Time: Started in Hole M. On Bottom M

Pulled Loose M. Out of Hole M.

Pre-Flow 5 Mins. Valve Open 60 Mins

Initial Shut-in 28 Mins. Shut-in (Final) 59 Mins

Type of Blow W.A.B. for 30 min. decreasing to V.W. at end G.T.S. - Mins

NIL To Surface - Mins. Blow Died - Mins.

Flow Rates NIL Mcf Mins. Mcf Mins.; Mcf Mins.;

Mcf Mins; Measured with

Size Riser 2" Length of Flame -

Recovery 10' drilling mud, 110' salt water

Samples Taken of water Salinity 105,000* ppm NaCl

Charts: Test O.K. ( x ); Misrun ( ); Charts Normal Yes

Initial Hydrostatic 1171 p.s.i. Final H.P. 1171 p.s.i.

Initial Shut-in 792 p.s.i. Final S.I. 792 p.s.i.

Initial Flow 38 p.s.i. Final Flow 79 p.s.i.

REMARKS * CORE LAB ANALYSIS: Sample #1 = 111,457 mg/liter

Sample #2 = 112,533 mg/liter.

Resistivity = 0.08 ohm-meters @ 71°F.

**OILMEN'S WELLSITE SERVICES LTD.**

Operating Engineer

# DRILL STEM TEST REPORT

Well Name: Husky et al Sibbeston G-69 Date: Jan. 27/70

Test No: Two Testing Co: B.J. Operator: L. Penner

Test Interval: 3260-3570 Formation: Basal Clastics

Well Depth: 3570 Hole Size: 8 3/4" Rathole Depth: - Size: -

Type of Tool: Dual Bottom; Open Hole O.D. Rubber: 7 1/2"

Drill Pipe Size: 4" F.H. Wt./Ft: 14.5 Choke Size: 1/2"

Mud Wt: 9.4 Visc: 85 W.L. 12.0 Salinity: - ppm NaCL

Cushion: NIL Mud Level Drop in Annulus: 4'

Time: Started in Hole _____ M. On Bottom _____ M

Pulled Loose _____ M. Out of Hole _____ M

Pre-Flow: 4 Mins. Valve Open: 59 Mins.

Initial Shut-in: 26 Mins. Shut-in (Final): 54 Mins.

Type of Blow: V.G. Pre-Flow; V.G. Air Blow, decreasing after 20 min. G.T.S. - Mins.

- To Surface - Mins. Blow Died 60 Mins.

Flow Rates: Nil Mcf. Mins.; _____ Mcf. Mins.; _____ Mcf. Mins.;

_____ Mcf. Mins; Measured with _____

Size Riser: 2" Length of Flame: -

Recovery: 450' salty watery mud; 2050' Salt Water

Samples Taken of: Water Salinity: 123,000-193,000* ppm NaCl

Charts: Test O.K. ( x ); Misrun ( ); Charts Normal: Yes

| | | | | | |
|---|---|---|---|---|---|
| Initial Hydrostatic | 1652 | p.s.i. | Final H.P. | 1640 | p.s.i. |
| Initial Shut-in | 1226 | p.s.i. | Final S.I. | 1226 | p.s.i. |
| Initial Flow | 868 | p.s.i. | Final Flow | 1225 | p.s.i. |

REMARKS: CORE LAB ANALYSIS: Sample 300' above Tool. = 215,233 mg/liter

Resistivity = 0.046 Ohm-meters @ 74°F.

**OILMEN'S WELLSITE SERVICES LTD.**

Operating Engineer _____

COMPANY HUSKY OIL LTD. CONTRACTOR Commonwealth Drilling

WELL NAME Husky et al Sibbeston G-69 RIG NO 12

## BIT RECORD

| NO | SIZE | MAKE | TYPE | SERIAL NO | FOOTAGE FROM | FOOTAGE TO | FOOTAGE TOTAL | HOURS | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| 1A | 13 3/4 | HW | OSC 3 | 16557 | 0 | 105 | 105 | 15 | 4-1-1 |
| 2A | 13 3/4 | HW | OSC 3 | 16560 | 105 | 185 | 80 | 9 | 3-1-1 |
| 3A | 8 3/4 | HW | ODV | 15199 | 185 | 375 | 190 | 14 1/2 | 5-2-1 |
| 4A | 13 3/4 | HW | OSC 3 | 16614 | 185 | 375 | 190 | | Ream 3-1-1 |
| 5A | 8 3/4 | Reed | YS1R | T13367 | 375 | 425 | 50 | 9 | 2-1-1 |
| 5A | 13 3/4 | Reed | P.H.O. | 101 | 375 | 425 | 50 | | Opening pilot hole |
| 1 | 8 3/4 | Reed | YT1R | E27166 | 425 | 1375 | 950 | 23 3/4 | 3-4-1 |
| 2 | 8 3/4 | Reed | YT1R | 364070 | 1375 | 1609 | 234 | 15 | 4-5-1 |
| 3 | 8 3/4 | HW | XV | 18085 | 1609 | 1943 | 334 | 23 3/4 | 3-2-1 |
| 4C | 6 1/8 | | Diamond | 6586 | 1943 | 1988 | 45 | 26 | |
| 5 | 8 3/4 | Reed | YMG | 855226 | 1988 | 2102 | 114 | 18 1/2 | 2-4-1 |
| 6 | 8 3/4 | HW | X55R | 18002 | 2102 | 2778 | 676 | 70 | 3-2-1 |
| 7 | 8 3/4 | HW | X55R | 17331 | 2778 | 3068 | 290 | 35 3/4 | 6-1-1 |
| 8 | 8 3/4 | Reed | YHWG | 759237 | 3068 | 3124 | 56 | 12 1/2 | 3-2-1 |
| 9 | 8 3/4 | HW | RX55R | 3911 | 3124 | 3296 | 172 | 23 1/2 | 3-2-1 |
| 10 | 8 3/4 | HW | X55R | 17991 | 3296 | 3570 | 274 | 48 3/4 | 4-2-1 |

OILMEN'S WELLSITE SERVICES LTD.

OPERATING ENGINEER _____

# MUD RECORD

Company HUSKY OIL LTD.

Well Name Husky et al Sibbeston G-69

| DEPTH From | DEPTH To | AV. WT. Lbs./U.S. Gal. | AV. VISC. | AV. WTR. L. | AV. P.H. | MUD ADDITIVES | |
|---|---|---|---|---|---|---|---|
| 0 | 425 | 8.9-9.7 | 40-75 | - | - | | |
| 425 | 2000 | 9.7 | 35-45 | - | - | | |
| 2000 | 2778 | 9.6 | 35 | 11.2-12.6 | 8.5 | | |
| 2778 | 3068 | 9.5 | 35 | 12.4 | 9.0 | | |
| 3068 | 3124 | 9.5 | 35 | 12.6 | 8.5 | | |
| 3124 | 3296 | 9.3 | 35 | 11.4 | 10.5 | | |
| 3296 | 3570 | 9.4 | 35-85 | 12.0 | 8.5 | | |
| | | | | | | Gel | 21,100# |
| | | | | | | Kelzan | 585# |
| | | | | | | Peltex | 450# |
| | | | | | | Caustic | 825# |
| | | | | | | CMC | 440# |
| | | | | | | Chrome Al. | 115# |
| | | | | | | Plaster | 300# |
| | | | | | | Bicarb | 200# |
| | | | | | | Dowicide "B" | 100# |
| | | | | | | Sawdust | 4,920# |

OILMEN'S WELLSITE SERVICES LTD.

Operating Engineer _____

COMPANY HUSKY OIL LTD.

WELL NAME Husky et al Sibbeston G-69

## CASING AND TUBING RECORD

| | SIZE O.D. | WEIGHT LBS./FT. | GRADE | NO. OF JOINTS | AMOUNT | SET AT | SACKS CEMENT | REMARKS |
|---|---|---|---|---|---|---|---|---|
| SURFACE | 9 5/8 | 36 | J-55 | 13 | 406.31 | 419' | 300 | Plug down |
| | | | | | | | + 2% | 1:00 a.m. |
| INTERMEDIATE | | | | | | | $CaCl_2$ | Jan. 7/70 |
| | | | | | | | | |
| OIL STRING | | | | | | | | |
| TUBING | | | | | | | | |

## DRILL STEM TESTS

| NO. | FORMATION | INTERVAL FROM | INTERVAL TO | V.O | V.S. | PRESSURES H.S.H. | PRESSURES S.I. | PRESSURES FLOW | RECOVERY REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Bear Rock | 2362 | 2377 | 5 | 28 | 1171 | 792 | 38 | 10' mud; 110'S.W |
| | | | | 60 | 59 | 1171 | 792 | 79 | (110,000 ppm Sal |
| | | | | | | | | | |
| 2 | Basal Clastics | 3260 | 3570 | 4 | 26 | 1652 | 1226 | 868 | 450' salt watery mud & 2050' salt water. (193,000 ppm Salt |

## PLUGGING RECORD

| NO. | FORMATION | INTERVAL FROM | INTERVAL TO | SACKS USED | REMARKS |
|---|---|---|---|---|---|
| 1 | Basal Clastics | 3570 | 3250 | 133 | Plug on bottom - not felt. |
| 2 | Bear Rock/Manatou | 2800 | 2325 | 211 | Felt top @ 2305' K.B. |
| 3 | Surface Casing | 310 | 210 | 45 | Felt top @ 190' K.B. |
| 4 | Surface | - | - | 5 | Cut off Csg.; welded on plate. |

OILMEN'S WELLSITE SERVICES LTD.

OPERATING ENGINEER _____

# CHEMICAL ANALYSIS

FOR

HUSKY OIL LTD.

HUSKY ET AL SIBBESTON G-69
SIBBESTON LAKE AREA
NORTHWEST TERRITORIES

**CORE LABORATORIES - CANADA LTD.**

*Petroleum Reservoir Engineering*

CALGARY - EDMONTON - REGINA

# CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

## WATER ANALYSIS

File CAL-2-1630 Page 1 of 1

Company Husky Oil Ltd.

Well Husky et al Sibbeston G-69 K.B. _____ Grd. 1165'

Location 61 58'29.00 N.L. 122 41'45.00 W.L. Field Sibbeston Lake Area Province Northwest Territories

Formation _____ Interval 3260' - 3570'

Sampled from DST #2 (300' Above Tool) by _____

Date sampled Jan. 27/70 Date analysed Feb. 6/70 Analyst DS

Recovery 2500' Mud and Salt Water-Cut Mud

Mud type _____ Water cushion _____

Total Solids:

Resistivity 0.046 Ohm-meters @ 74 °F Calculated 215,233 mg/liter

Specific gravity 1.1468 @ 60°F By evaporation @ 110°C - mg/liter

pH 6.25 $H_2S$ Absent By evaporation @ 180°C - mg/liter

Refractive Index 1.366 @ 74°F At ignition - mg/liter

### MILLIGRAMS PER LITER

| Na + K | Ca | Mg | Fe | Ba | Br | I | Cl | $HCO_3$ | $SO_4$ | $CO_3$ | OH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 77,676 | 5,499 | 500 | Pres. | Abs. | - | - | 129,382 | 273 | 1,903 | Nil | Nil |

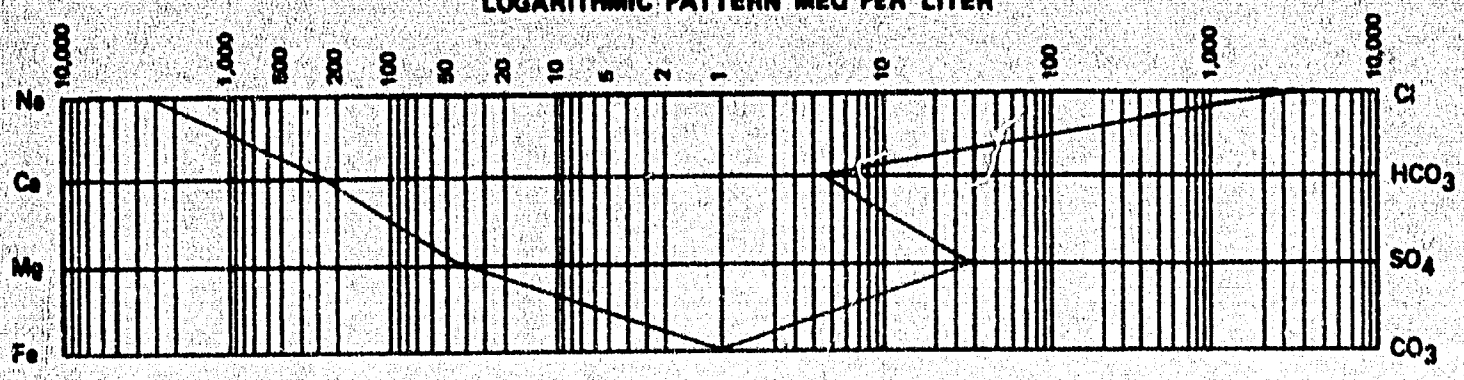
### PER CENT CALCULATED SOLIDS

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 36.1 | 2.6 | 0.2 | Pres. | Abs. | - | - | 60.1 | 0.1 | 0.9 | Nil | Nil |

### MEQ PER LITER

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3377.2 | 274.4 | 41.1 | Pres. | Abs. | - | - | 3648.6 | 4.5 | 39.6 | Nil | Nil |

### LOGARITHMIC PATTERN MEQ PER LITER



# CHEMICAL ANALYSIS

FOR

HUSKY OIL LTD.

HUSKY ET AL SIBBESTON G-69
SIBBESTON LAKE AREA
NORTHWEST TERRITORIES

**CORE LABORATORIES - CANADA LTD.**

*Petroleum Reservoir Engineering*

CALGARY - EDMONTON - REGINA

# CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

## WATER ANALYSIS



Company: Husky Oil Ltd.

Well: Husky et al Sibbeston G-69 K.B. _____ Grd. 1165'

Location: 61 58'29.00 N.L. 122 41'45.00 W.L. Field: Sibbeston Lake Area Province: Northwest Territories

Formation: _____ Interval: 2362' - 2377'

Sampled from: DST #1 (Sample #1) by _____

Date sampled: Jan. 17/70 Date analysed: Feb. 3/70 Analyst: DS

Recovery: 110' Salt Water

Mud type _____ Water cushion _____

Resistivity: 0.08 Ohm-meters @ 71 °F

Specific gravity: 1.0763 @ 60°F

pH: 6.9 $H_2S$: Absent

Refractive Index: 1.350 @ 72°F

Total Solids:

Calculated: 111,457 mg/liter

By evaporation @ 110°C: - mg/liter

By evaporation @ 180°C: - mg/liter

At ignition: - mg/liter

### MILLIGRAMS PER LITER

| Na + K | Ca | Mg | Fe | Ba | Br | I | Cl | $HCO_3$ | $SO_4$ | $CO_3$ | OH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39,231 | 3,731 | 286 | Pres. | Abs. | - | - | 67,242 | 224 | 743 | Nil | Nil |

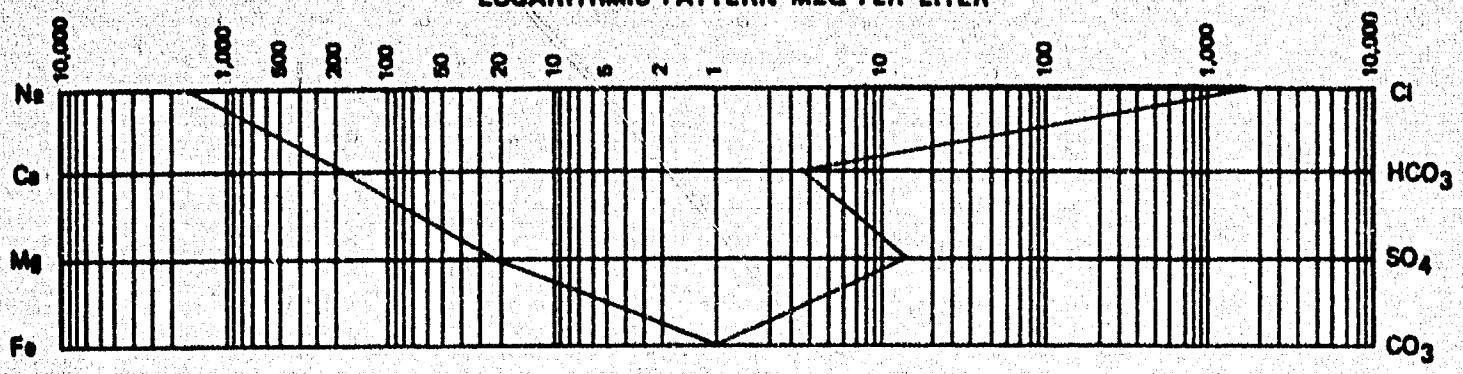
### PER CENT CALCULATED SOLIDS

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 35.2 | 3.3 | 3.3 | Pres. | Abs. | - | - | 60.3 | 0.2 | 0.7 | Nil | Nil |

### MEQ PER LITER

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1705.7 | 186.2 | 23.5 | Pres. | Abs. | - | - | 1896.2 | 3.7 | 15.5 | Nil | Nil |

### LOGARITHMIC PATTERN MEQ PER LITER



# CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

## WATER ANALYSIS



Company: Husky Oil Ltd.

Well: Husky et al Sibbeston G-69 K.B. _____ Grd. 1165'

Location: 61 58'29.00 N.L. 122 41'45.00 W.L. Field: Sibbeston Lake Area Province: Northwest Territories

Formation: _____ Interval: 2362' - 2377'

Sampled from: DST #1 (Sample #2) by _____

Date sampled: Jan. 17/70 Date analysed: Feb. 3/70 Analyst: DG

Recovery: 110' Salt Water

Mud type: _____ Water cushion: _____

Resistivity: 0.08 Ohm-meters @ 71 °F

Specific gravity: 1.0786 @ 60°F

pH: 6.75 $H_2S$: Absent

Refractive Index: 1.350 @ 75°F

Total Solids:

Calculated: 112,533 mg/liter

By evaporation @ 110°C: - mg/liter

By evaporation @ 180°C: - mg/liter

At ignition: - mg/liter

MILLIGRAMS PER LITER

| Na + K | Ca | Mg | Fe | Ba | Br | I | Cl | $HCO_3$ | $SO_4$ | $CO_3$ | OH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39,891 | 3,535 | 357 | Pres. | Abs. | - | - | 68,153 | 166 | 743 | Nil | Nil |

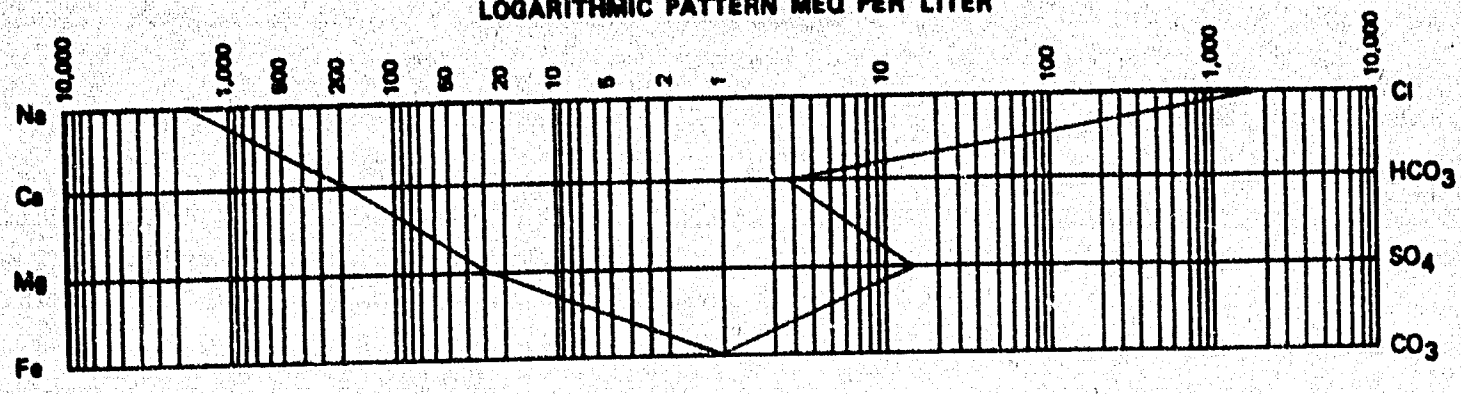
PER CENT CALCULATED SOLIDS

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 35.4 | 3.1 | 0.3 | Pres. | Abs. | - | - | 60.4 | 0.1 | 0.7 | Nil | Nil |

MEQ PER LITER

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1734.4 | 176.4 | 29.3 | Pres. | Abs. | - | - | 1921.9 | 2.7 | 15.5 | Nil | Nil |

LOGARITHMIC PATTERN MEQ PER LITER



| | |
|---|---|
| Well Name: HUSKY ET AL STIGNSTON | Test No: TWO |
| Field: [illegible] | Zone Tested: BASAL CLASTICS |
| Company: HUSKY OIL LIMITED | Interval: 3240-3370 |
| Rig: [illegible] | Date: [illegible] 9, 1970 |
| Total Recovery (Feet): [illegible] | Page No: 101 |

**BJ SERVICE DIV**

**BORG-WARNER (CANADA)**

# DRILL-STEM TEST DATA

| | |
|---|---|
| Well Name HUSKY ET AL SIMBELTON | Test No. TWO |
| Well Number 0-69 | Zone Tested BASEL CLASTICS |
| Company HUSKY OIL LIMITED | Interval 3260-3570 |
| Engineer GLEN HARRINGTON / Tester LEO FYNNON | Date JAN. 27, 1970 |

Type of Test DUAL BOTTOM (OPEN) B F S Tool No 101

Preflow 4 mins ISI 26 mins Flow 59 mins FSI 54 mins

| Specify Inside or Outside | INS. | OUT. | |
|---|---|---|---|
| | REC No 2227 | REC No 2015 | REC No |
| | 3600 RANGE 12 HR CLOCK | 5750 RANGE 12 HR CLOCK | RANGE HR CLOCK |
| DEPTH | 3263 | 3269 | |
| Initial Hydro Mud Press | 1652 | 1656 | |
| Initial Shut-in Press | 1226 | 1232 | |
| Initial Flow Press | 868 | 891 | |
| Final Flow Press | 1225 | 1234 | |
| Final Shut-in Press | 1226 | 1236 | |
| Final Hydro Mud Press | 1640 | 1643 | |

Mud Drop 4" Fluid Loss 12.0 Mud Weight 96

Viscosity 85 Temperature °F Has Pay Tested

Top Packer Depth Bottom Packer Depth 3260' Total Depth 3570'

Drill Pipe Size 4" F.H. Wt. 14.5 Drill Collar I.D. 2½-2 7/8" Ft. Run 179

Surface Choke Size Bottom Choke Size ½" Main Hole Size 8¾"

Anchor Size 4¾" Rat Hole Size Feet of Rat Hole

Cushion Amount Type Rubber Size 7⅞

Fluid Recovery Total Feet 2500

Recovered 450 Feet of SALTY WATER MUD

Recovered 2050 Feet of SALT WATER 123000-193000PPM

Recovered Feet of

Recovered Feet of

Recovered Feet of

Gas Recovery How Measured Flow size

| | | | | | |
|---|---|---|---|---|---|
| mins | Temp. °F | Press Rdg. psi | Orifice Size | = | MCF/Day |
| mins | Temp. °F | Press Rdg. psi | Orifice Size | = | MCF/Day |
| mins | Temp. °F | Press Rdg. psi | Orifice Size | = | MCF/Day |
| mins | Temp. °F | Press Rdg. psi | Orifice Size | = | MCF/Day |
| mins | Temp. °F | Press Rdg. psi | Orifice Size | = | MCF/Day |
| mins | Temp. °F | Press Rdg. psi | Orifice Size | = | MCF/Day |

Bleed Off Time for Drill Pipe

REMARKS VERY GOOD PREFLOW. VERY GOOD AIR BLOW DURING TEST. DECREASING IN 20 MIN. VERY SMALL (AIR BLOW) IN 40 MIN. DEAD IN 50 MIN.

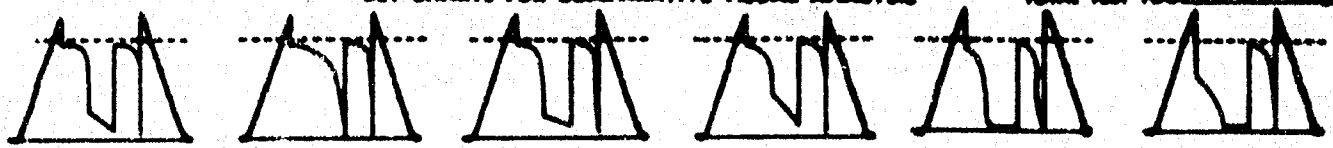
Core Lab Gas Cont. No Chem. Geo. Lab Gas Cont. No

BJ Dowell

TESTING REPORT

| | | | |
|---|---|---|---|
| | 46 LANDING SUB | | |
| | 46 CHAMBER | | |
| | 46 TOOL OR P.O. SUB | | |
| | CO SUB | 1.00 | |
| | SHUT IN TOOL | 5.00 | |
| | S.P.A. No. 101 | 3.25 | |
| | S.P.A. No. | | |
| | HYDRAULIC TOOL | 7.00 | |
| | JARS | 6.00 | |
| | RECORDER No. | | DEPTH |
| | RECORDER No. | | DEPTH |
| | SAFETY JOINT | 1.75 | |
| | BY PASS SUB | | |
| 1. PACKER DEPTH | PACKER | 6.00 | |
| 2. PACKER DEPTH 3260 | PACKER | 5.00 | TOTAL TOOL ABOVE INTERVAL 15.00 |
| | | 1.00 | |
| | ANCHOR—SPECIFY PERF | 2.00 | |
| | TBG REC 2227 | 1.00 | DEPTH 3264 |
| | PERF | 5.00 | |
| | BLANK OFF OR BY PASS SUB | | |
| | RECORDER No. 2015 | 1.00 | DEPTH 3270 |
| | | 5.00 | |
| | CO SUB | 1.00 | |
| 3. PACKER DEPTH | D.C. | 287.68 | TOTAL INTERVAL 310.18 |
| 4. PACKER DEPTH | PACKER CO SUB | 1.00 | |
| | ANCHOR—SPECIFY PERF | 3.00 | |
| | | | |
| | | | |
| | RECORDER No. | | DEPTH |
| | | | |
| | | | |
| | | | |
| TOTAL DEPTH 3570 | BULLNOSE | 2.50 | TOTAL TAIL PIPE 310.18 |
| | | | TOTAL TEST TOOL 345.18 |

SEE CHARTS FOR COMPARATIVE VISUAL ANALYSIS



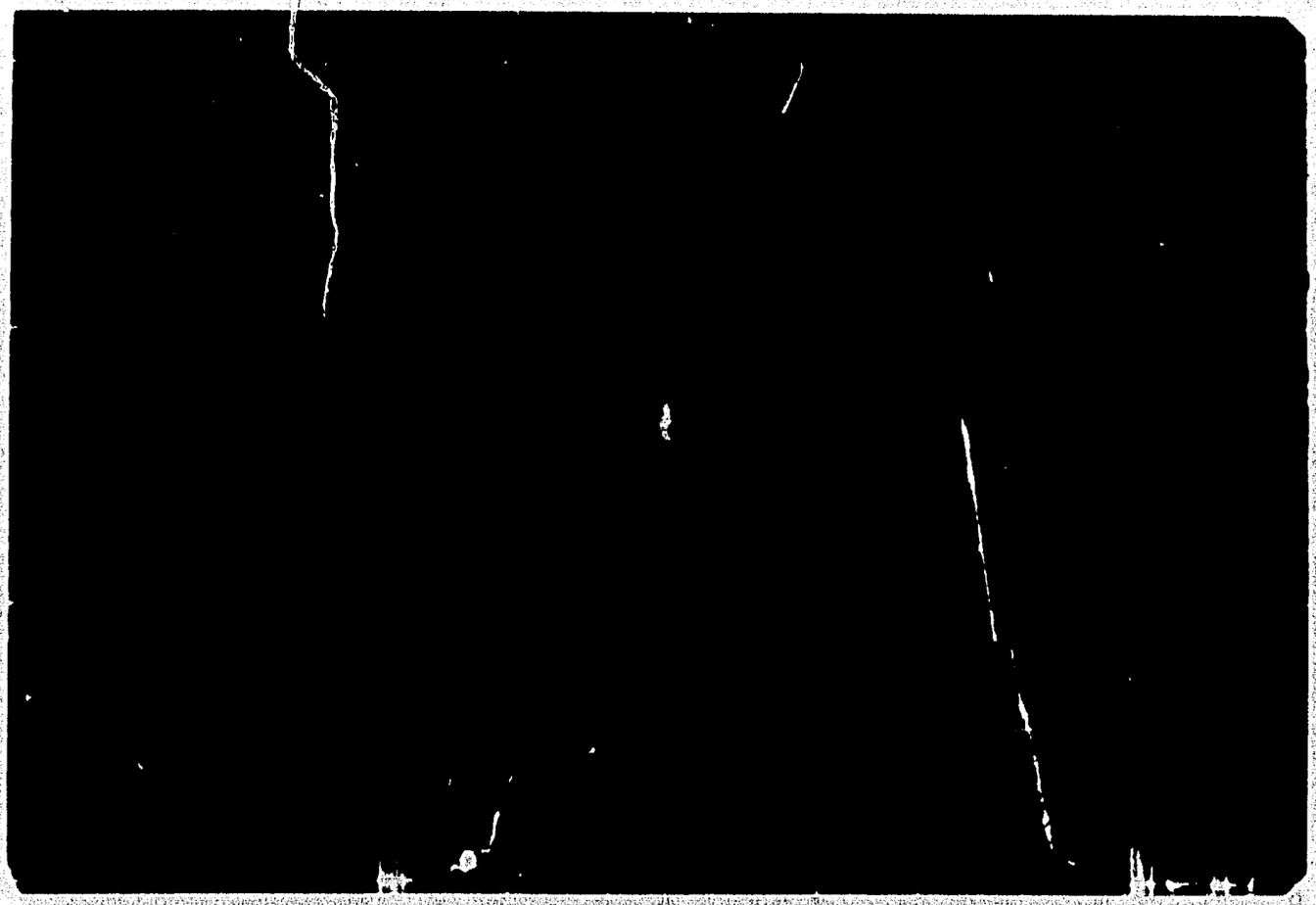
| HIGH PERMEABILITY STRONG DAMAGE EFFECT | HIGH PERMEABILITY NO DAMAGE EFFECT | MEDIUM PERMEABILITY STRONG DAMAGE EFFECT | MEDIUM PERMEABILITY NO DAMAGE EFFECT | LOW PERMEABILITY STRONG DAMAGE EFFECT | LOW PERMEABILITY NO DAMAGE EFFECT |
|---|---|---|---|---|---|

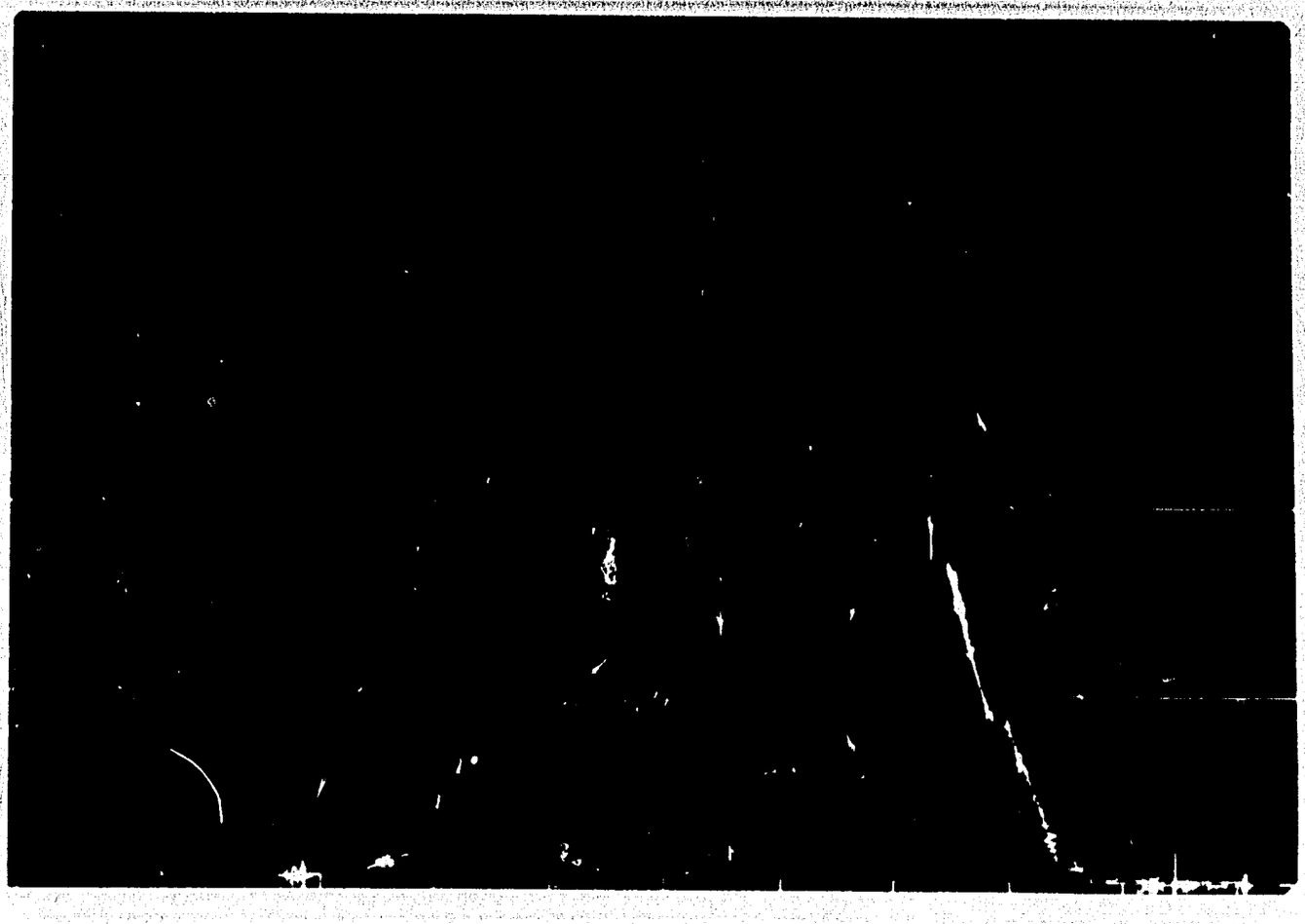
# DST PRESSURE INCREMENTS

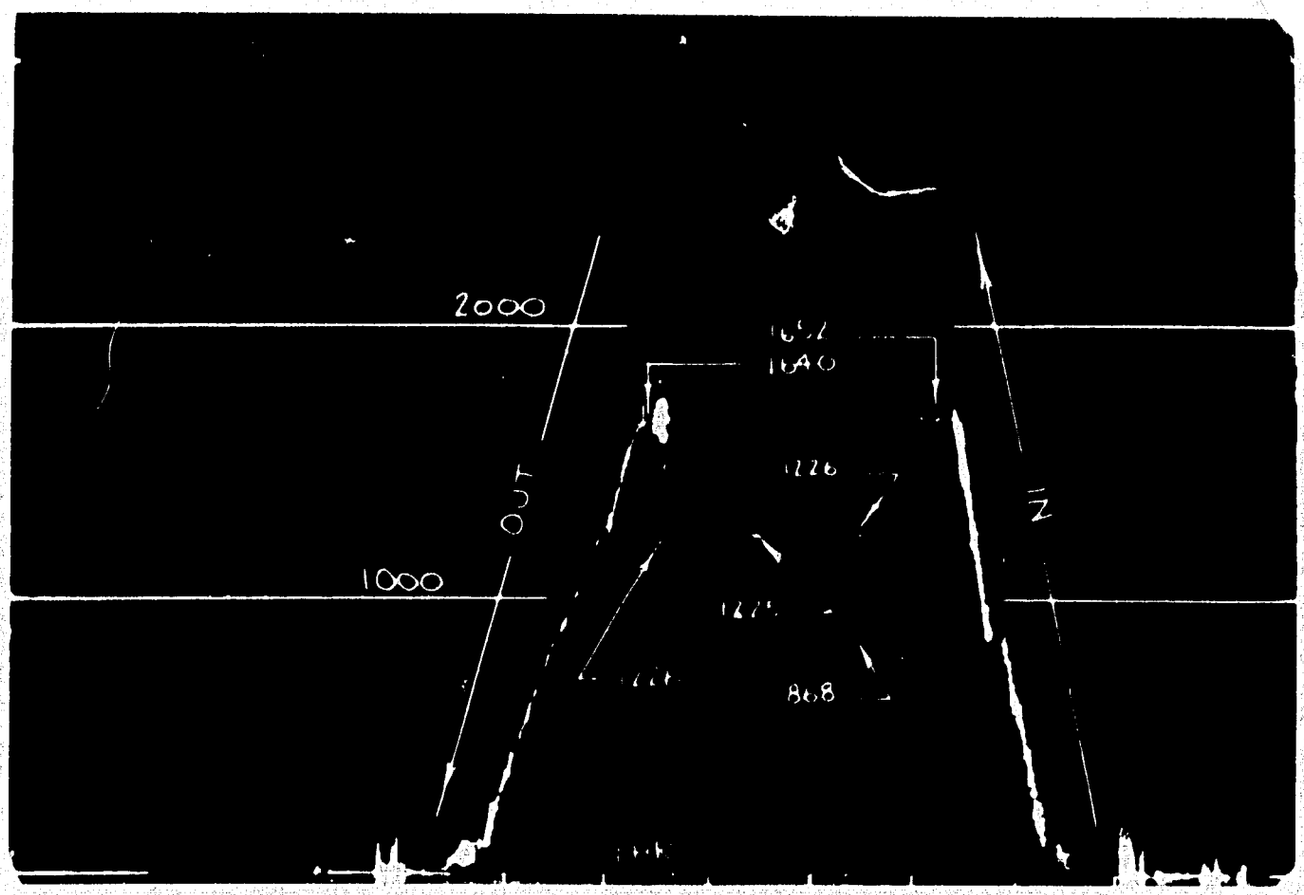
Recorder No 2227 Depth 3263

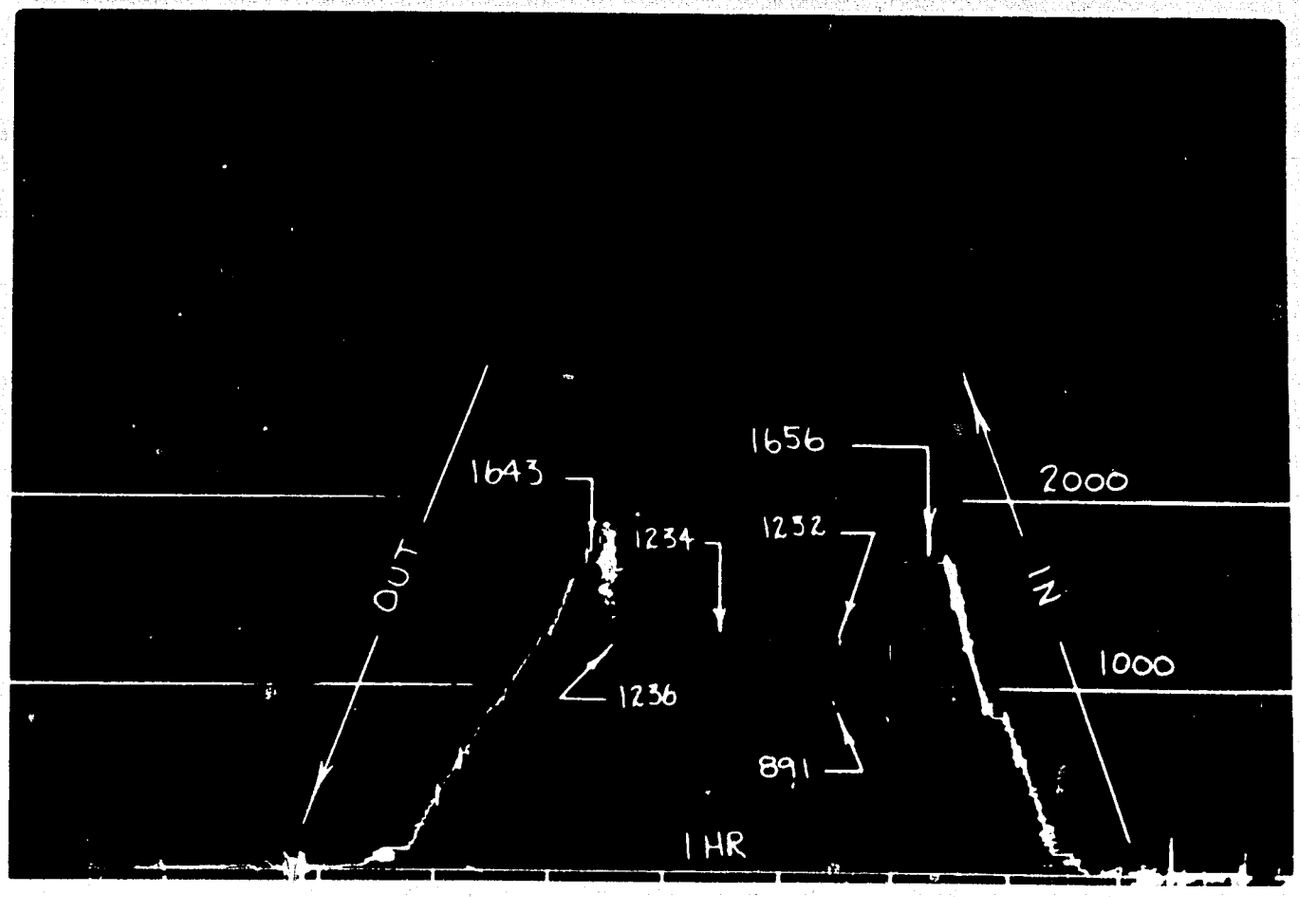
| Points | INITIAL CIP | | | | FINAL CIP | | | |
|---|---|---|---|---|---|---|---|---|
| | Time Defl. | T + θ | T + θ / θ | PSIG | Time Defl. | T + θ | T + θ / θ | PSIG |
| 1 | 0 | | | 781 | 0 | | | 1225 |
| 2 | 5 | | | 1225 | 5 | | | 1226 |
| 3 | 10 | | | 1226 | 10 | | | 1226 |
| 4 | 15 | | | 1226 | 15 | | | 1226 |
| 5 | 20 | | | 1226 | 20 | | | 1226 |
| 6 | 25 | | | 1226 | 25 | | | 1226 |
| 7 | 26 | | | 1226 | 30 | | | 1226 |
| 8 | | | | | 35 | | | 1226 |
| 9 | | | | | 40 | | | 1226 |
| 10 | | | | | 45 | | | 1226 |
| 11 | | | | | 50 | | | 1226 |
| 12 | | | | | 54 | | | 1226 |
| 13 | | | | | | | | |
| 14 | | | | | | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |
| 21 | | | | | | | | |
| 22 | | | | | | | | |
| 23 | | | | | | | | |
| 24 | | | | | | | | |

C






2000
1000
OUT
Z
1640
1226
868


1643
1234
1236
1656
1252
891
2000
1000
OUT
Z
1 HR

| | | | |
|---|---|---|---|
| Well Name | Husky et al Libleston | Test No. | one |
| Operator | (Husky) | Zone Tested | Bear Rock |
| Company | Husky Oil Limited | Interval | 2362-2377 |
| Tester | Glen Robertson | Tester | Leo Tenner | Date | January 17, 1976 |

**BJ SERVICE DIV**

**BORG-WARNER (CANADA)**

BJ

TESTING REPORT

# DRILL-STEM TEST DATA

| | |
|---|---|
| Well Name: Husky et al Hillbeaton | Test No.: one |
| Core Number: 1-49 | Zone Tested: Bear Rock |
| Company: Husky Oil Limited | Interval: 2362-2377 |
| Drilling Co.: Glen Rotertson / Tester: Leo Penner | Date: January 17, 1970 |

Type of Test: Dual Bottom Open Hole  B.P.S. Tool No. 101

Preflow: 5 mins  IS: 28 mins  Flow: 60 mins  FS: 59 mins

| Specify Inside or Outside | IN | out | |
|---|---|---|---|
| | HC No. 2221 | HC No. 2015 | HC No. |
| | 3600 Range 12 Hr. Clock | 5200 Range 12 Hr. Clock | Range Hr. Clock |
| DEPTH | 2364 | 2370 | |
| Initial Hydro Mud Press | 1171 | 1181 | |
| Initial Shut-in Press | 792 | 798 | |
| Initial Flow Press | 38 | 46 | |
| Final Flow Press | 79 | 84 | |
| Final Shut-in Press | 792 | 797 | |
| Final Hydro Mud Press | 1171 | 1181 | |

Mud Drop: 1"  Fluid Loss: 9.6  Mud Weight: 9.7
Viscosity: 44  Temperature °F: 42  Net Pay Tested: 71
Top Packer Depth: 2364  Bottom Packer Depth: 2362  Total Depth: 2377
Drill Pipe Size: 4" FH  Wt: 14.0  Drill Collar I.D.: 2 1/2"  Ft. Run: 405
Surface Choke Size: CLOSED  Bottom Choke Size: 1"  Main Hole Size: 8 3/4"
Anchor Size: 4 1/2" OD  Rat Hole Size:  Feet of Rat Hole:
Cushion Amount:  Type:  Rubber Size: 7 1/8"

Total Recovery Total Feet: 120
Recovered: 110 Feet of Salt Water (82,100 PPM)
Recovered: 10 Feet of Drlg. Mud
Recovered: Feet of
Recovered: Feet of
Recovered: Feet of

Gas Recovery: Not Measured  Riser size

| | | | | | | |
|---|---|---|---|---|---|---|
| mins | Temp. F | Press Rdg psi | Orifice Size | = | MCF/Day |
| mins | Temp. F | Press Rdg psi | Orifice Size | = | MCF/Day |
| mins | Temp. F | Press Rdg psi | Orifice Size | = | MCF/Day |
| mins | Temp. F | Press Rdg psi | Orifice Size | = | MCF/Day |
| mins | Temp. F | Press Rdg psi | Orifice Size | = | MCF/Day |
| mins | Temp. F | Press Rdg psi | Orifice Size | = | MCF/Day |

Blow Off Time for Dual Pipe

REMARKS: Preflow: Weak —Test Period: Very weak air blow, small increase in 10 min. remaining for 30 min. decreasing to VV weak at end of test.

A  Core Lab Gas Cont. No  Chem. Geo. Lab Gas Cont. No

BJ SERVICES

**TESTING REPORT**

| | | |
|---|---|---|
| | 45 LANDING SUB | |
| | 45 CHAMBER | |
| | 45 TOOL OR F.O. SUB | |
| | CO SUB | 1.00 |
| | SHUT IN TOOL | 5.20 |
| | R.F.S. No 111 | 3.25 |
| | R.F.S. No | |
| | HYDRAULIC TOOL | 2.00 |
| | JARS | 6.00 |
| | RECORDER No ____ DEPTH ____ | |
| | RECORDER No ____ DEPTH ____ | |
| | SAFETY JOINT | 1.75 |
| | BY PASS SUB | |
| 1. PACKER DEPTH 2356 | PACKER | 5.00 |
| | | 1.00 |
| 2. PACKER DEPTH 2367 | PACKER | 5.00 TOTAL TOOL ABOVE INTERVAL 15.20 |
| | ANCHOR—SPECIFY | 1.00 |
| | INS. REC. 2227 | 1.00 Depth 2364 |
| | Perf | 5.00 |
| | BLANK OFF OR BY PASS SUB | |
| | RECORDER No 017 2015 | 1.00 DEPTH 2370 |
| | | 5.00 |
| | | |
| 3. PACKER DEPTH | PACKER | TOTAL INTERVAL 15.50 |
| 4. PACKER DEPTH | PACKER | |
| | ANCHOR—SPECIFY | |
| | | |
| | | |
| | RECORDER No ____ DEPTH ____ | |
| | | |
| | | |
| | | |
| TOTAL DEPTH 2372 | BULLNOSE | 2.50 TOTAL TAIL PIPE 15.50 |
| | | TOTAL TEST TOOL 50.20 |

**DST CHARTS FOR COMPARATIVE VISUAL ANALYSIS**

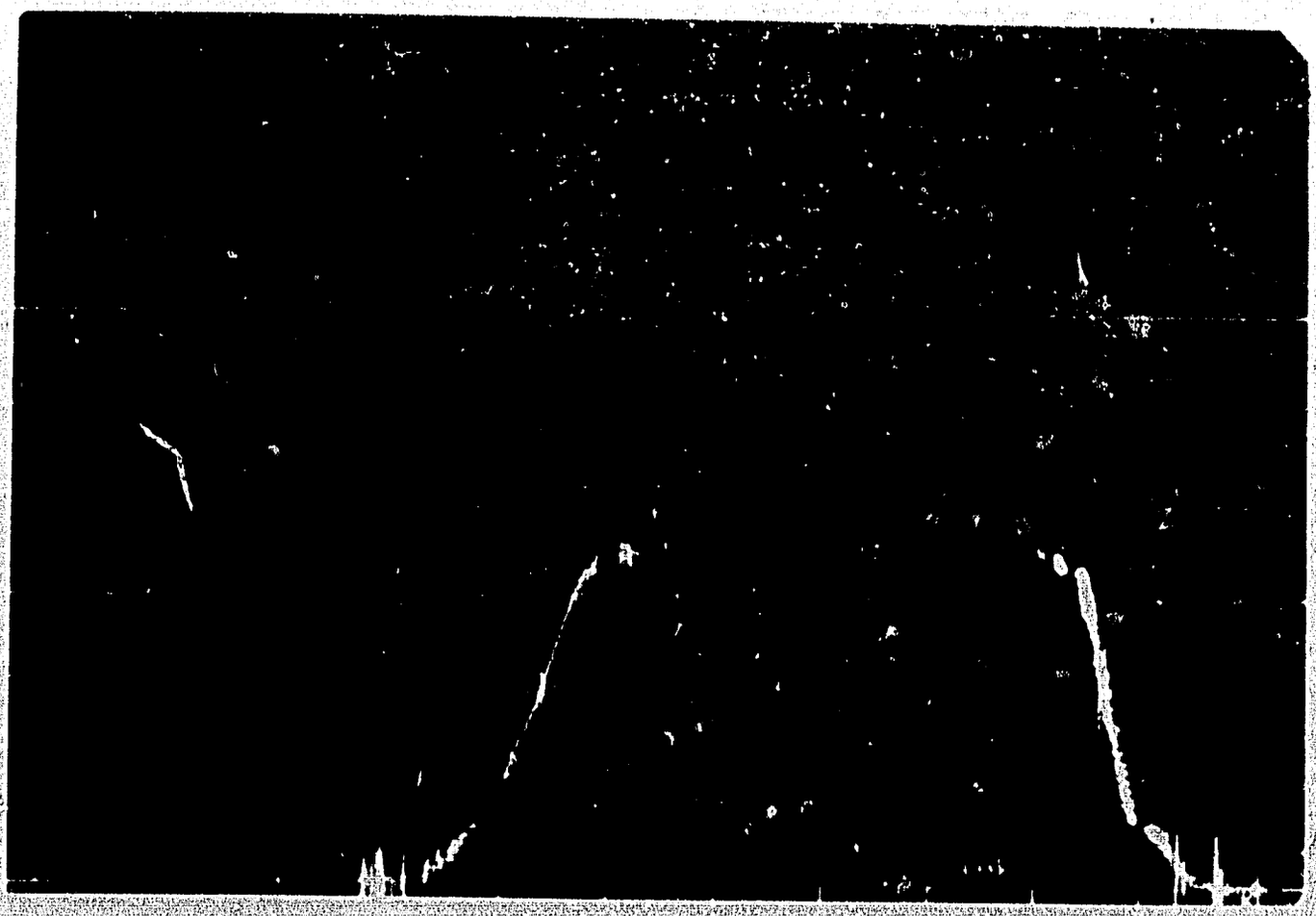
HIGH PERMEABILITY STRONG DAMAGE EFFECT | HIGH PERMEABILITY NO DAMAGE EFFECT | MEDIUM PERMEABILITY STRONG DAMAGE EFFECT | MEDIUM PERMEABILITY NO DAMAGE EFFECT | LOW PERMEABILITY STRONG DAMAGE EFFECT | LOW PERMEABILITY NO DAMAGE EFFECT

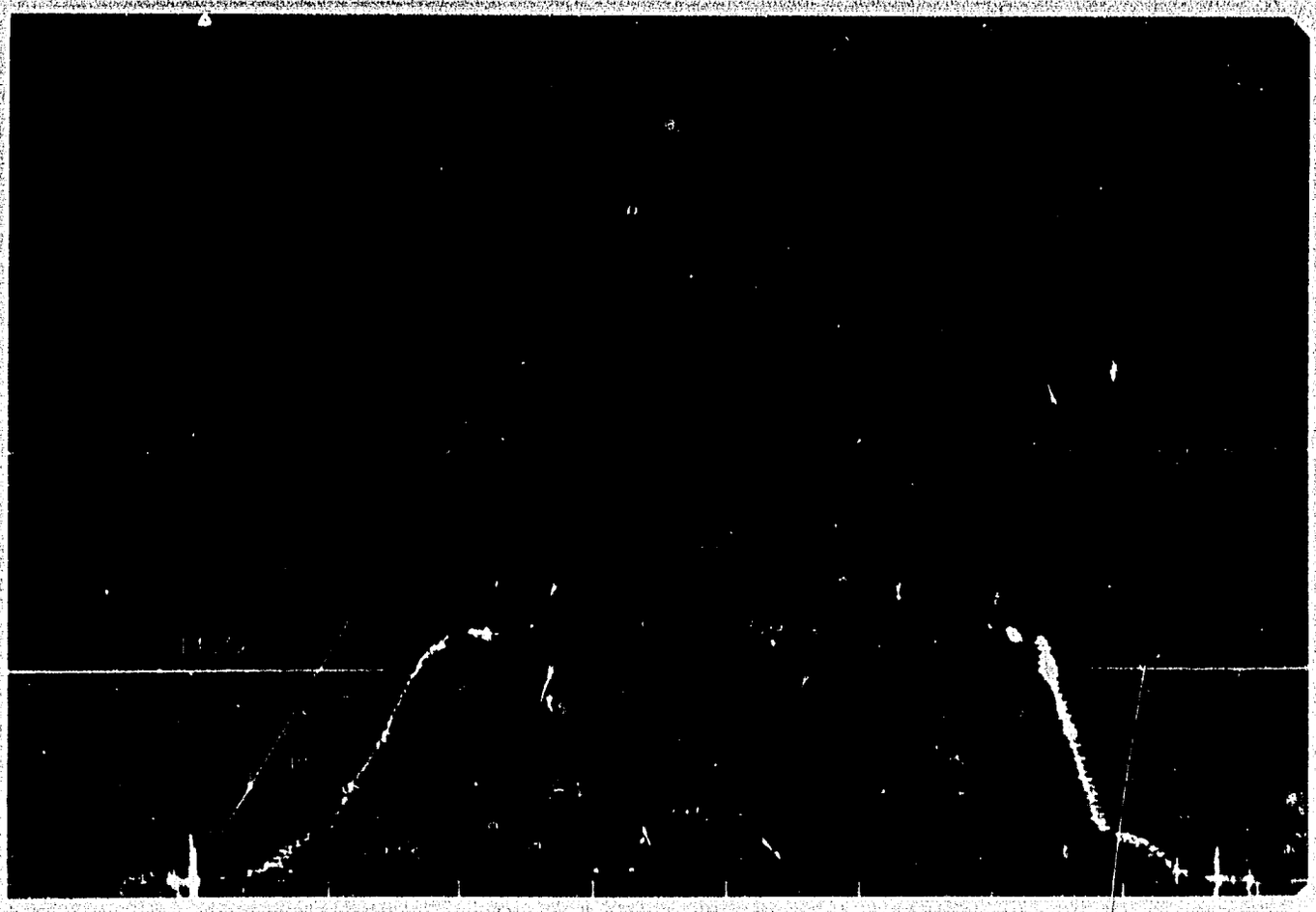
# DST PRESSURE INCREMENTS

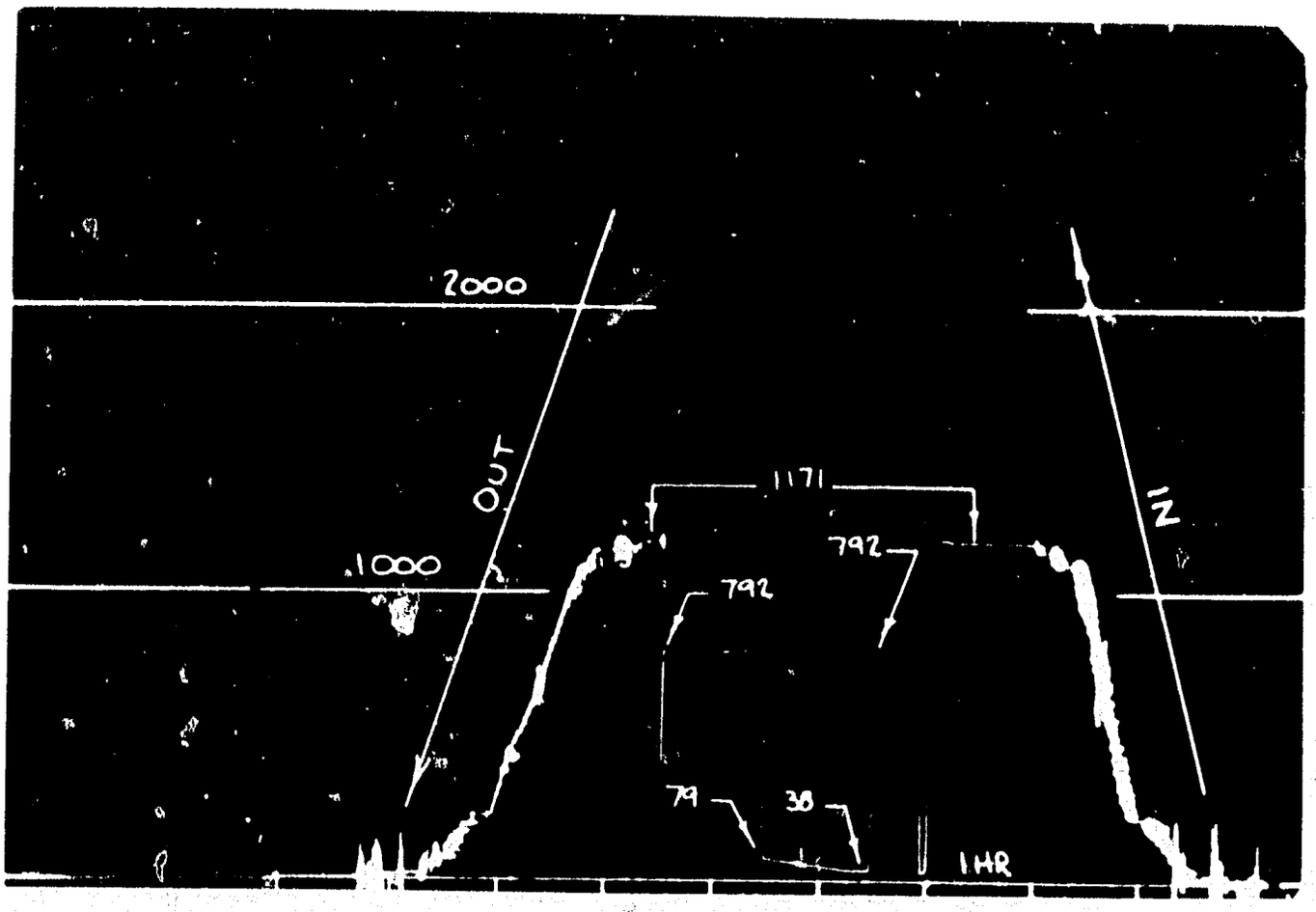
Recorder No. [illegible] Depth [illegible]

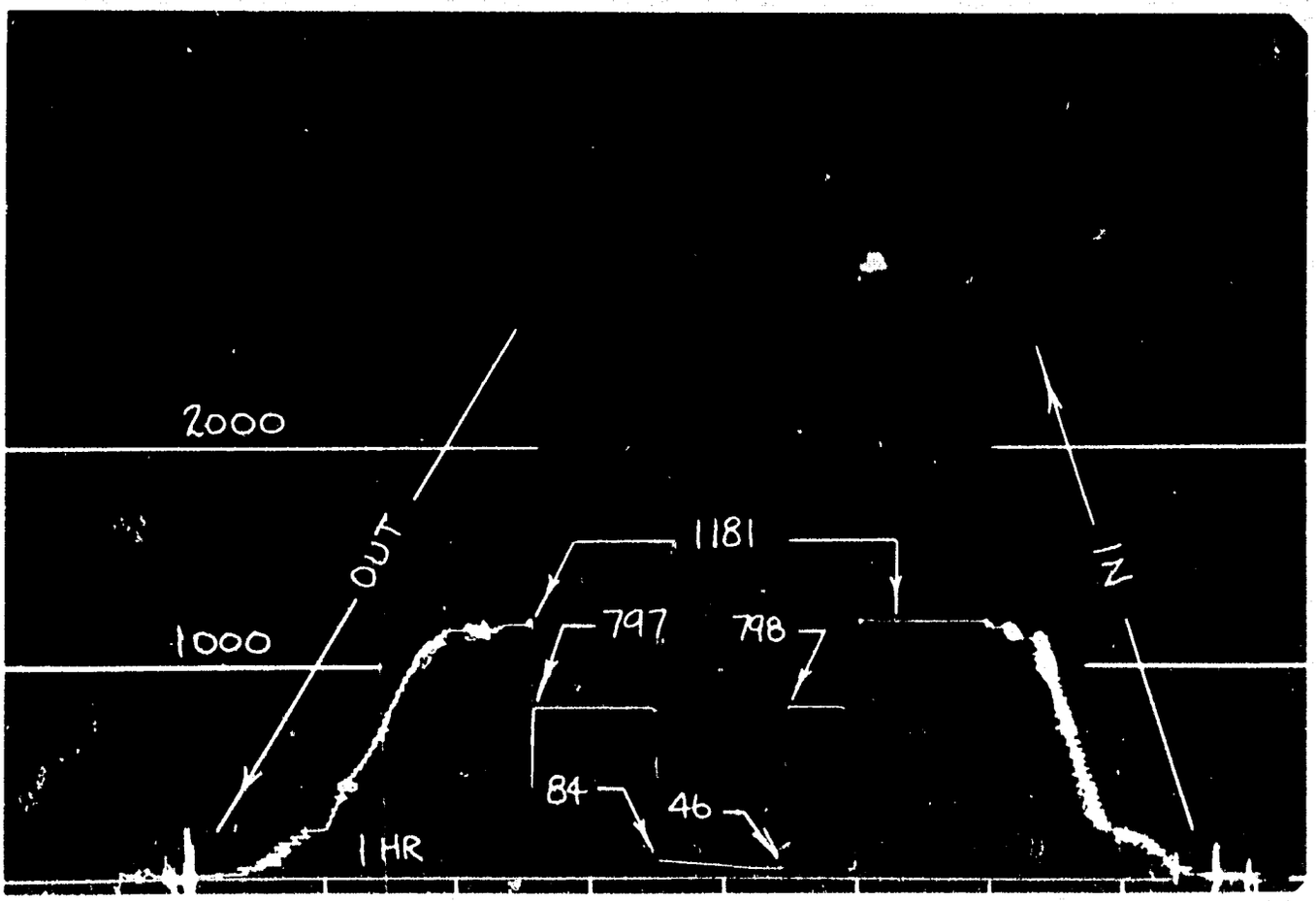
| Points | INITIAL CIP | | | | FINAL CIP | | | |
|---|---|---|---|---|---|---|---|---|
| | Time Defl. | T + θ | T + θ / θ | PSIG | Time Defl. | T + θ | T + θ / θ | PSIG |
| 1 | 0 | | | 33 | 0 | | | 79 |
| 2 | 5 | | | 791 | 5 | | | 790 |
| 3 | 10 | | | 792 | 10 | | | 791 |
| 4 | 15 | | | 792 | 15 | | | 792 |
| 5 | 20 | | | 792 | 20 | | | 792 |
| 6 | 25 | | | 792 | 25 | | | 792 |
| 7 | 30 | | | 792 | 30 | | | 792 |
| 8 | | | | | 35 | | | 792 |
| 9 | | | | | 40 | | | 792 |
| 10 | | | | | 45 | | | 792 |
| 11 | | | | | 50 | | | 792 |
| 12 | | | | | 55 | | | 792 |
| 13 | | | | | 60 | | | 792 |
| 14 | | | | | | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |
| 21 | | | | | | | | |
| 22 | | | | | | | | |
| 23 | | | | | | | | |
| 24 | | | | | | | | |

C






2000
1000
OUT
1171
792
792
79
38
1 HR
Z


2000
1000
OUT
1181
797
798
84
46
1 HR
Z

HUSKY ET AL SIBBESTON

G-69

# COMMONWEALTH DRILLING (NORTHERN) LIMITED

DAILY DRILLING LOG

RIG NO. 12 LOCATION Hardy Et al Silverton LSD. 2 SEC. 64 TWP. ____ RGE. ____ W. ____ DATE Jan 28 1970

DIRECTIONS TO WELL ____ MAILING POINT ____ SHIPPING POINT ____ MILES MOVED ____ ROAD CONDITIONS ____

## TOUR MIDNIGHT TO 8 AM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | | No. 1 | PRESSURE | | | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 Full as of | |

W.L. ____ F.C. ____ pH. ____ DESILTER: Hours Op: ____ U. Flow: ____ O. Flow: ____ SURVEYS At Feet ____ Degrees ____ 4 8 a.m. 2.70

ADDITIVES: ____ GENERAL: ____ 5 ____ Weather ____ Temp. ____ Water ____ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Feet Slip or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

## 8 AM TOUR 4 PM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | | No. 1 | PRESSURE | | | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. ____ F.C. ____ pH. ____ DESILTER: Hours Op: ____ U. Flow: ____ O. Flow: ____ SURVEYS At Feet ____ Degrees ____ 4 ____ 5 ____ Weather ____ Temp. ____ Water ____ Bbls.

ADDITIVES: ____ GENERAL: ____

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Feet Slip or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

## TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | | No. 1 | PRESSURE | | | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. ____ F.C. ____ pH. ____ DESILTER: Hours Op: ____ U. Flow: ____ O. Flow: ____ SURVEYS At Feet ____ Degrees ____ 4 ____ 5 ____ Weather ____ Temp. ____ Water ____ Bbls.

ADDITIVES: Fuel on hand 1900 gals GENERAL: ____

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Feet Slip or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| REMARKS | TIME START | TIME STOP | INTVL. |
|---|---|---|---|
| [illegible] | [illegible] | | |
| [illegible] | | | |
| [illegible] @ [illegible] | | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] #2 - [illegible] | [illegible] | | |
| [illegible] of [illegible] | | | |
| Plus 2% CaCl2 in [illegible] @ [illegible] | | [illegible] | [illegible] |
| Hoist [illegible] & Circulate | [illegible] | | |
| W.O.C. | | 8 00 | 6 1/2 |
| FIRES ____ DRILLER'S SIGNATURE ____ | | | |
| Run in [illegible] #3 | [illegible] | | |
| @ 8305' | | 8 30 | [illegible] |
| Hoist [illegible] | 8 30 | 10 30 | 2 |
| Rig to [illegible] Plug #3 - 310 | 10 30 | | |
| To 210 - 100' [illegible] w/ | | | |
| 45 sax [illegible] Plus 2% CaCl2 | | | |
| in Place @ 10 45 [illegible] | | 10 45 | 1/4 |
| W.O.C (Lay Down Pipe) | 10 45 | 4 00 | 5 1/4 |
| FIRES ____ DRILLER'S SIGNATURE ____ | | | |
| W.O.C. on Plug #3 | 4 00 | 5 30 | 1 1/2 |
| Run in Tag Plug #3 @ 190 | 5 30 | 6 00 | 1/2 |
| Clean Mud Tank Lay | 6 00 | | |
| Down Pipe & B.O.P.s | | 9 00 | 3 |
| Back of Bowl Cement | 9 00 | | |
| w/ 5 sks Cement Screw. | | | |
| on plate. | | 11 00 | 2. |
| Tear out Pumps & Drain | 11 00 | 12 00 | 1 |
| [illegible] | | | |
| Jan. 28/70 [illegible] | | | |
| FIRES ____ DRILLER'S SIGNATURE ____ | | | |

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams. | | | | |
| Blind Rams. | | | | |

TOTCO RING ON BIT # ____ Boiler Operated: 24 Hrs.

| | |
|---|---|
| Crown-o-matic Chk'd. | |
| Rig Savers Chk'd. | |
| Kelly Cock Chk'd. | |
| Fire Equip. Chk'd. | |

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT: RAN ____ JTS ____ CSG ____ TO ____ KB. USED ____ SAX ____ CEM ____ PLUS ____ % PLUG DOWN ____ A.M. P.M. ____ CEMENT RETURNS - (YES/NO) ____ GENERAL

EQUIPMENT CHANGES ____ TRANSFER # ____

DAYS FROM SPUD: ____ TOTAL COMPANY TIME ____ HRS. TOTAL CONTRACTOR'S TIME ____ HRS.

Approved by Operator's Representative: [signature]

Approved by Toolpusher: [signature]

CONSERVATION BOARD COPY

830

# COMMONWEALTH DRILLING (NORTHERN) LIMITED

DAILY DRILLING LOG

RIG NO. 12 LOCATION Husky ETAL SUBBETTA LSD. 6 SEC. 19 TWP. ___ RGE. ___ W. ___ DATE Jan 27 1970

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

## TOUR MIDNIGHT TO 8 AM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | | No. 1 | PRESSURE | | | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 FUEL | AS OF |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 8 AM | 3.80 |

W.L. ___ F.C. ___ pH. ___ DESILTER: Hours Op: ___ U. Flow: ___ O. Flow: ___

SURVEYS: At Feet ___ Degrees ___ 4 ___ 5 ___

ADDITIVES: ___ GENERAL: ___

Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| Run in Hole slow with Test | 1200 | 145 | 1¾ |
| Rig To Test | 145 | 215 | ½ |
| Test with Bit | 215 | 415 | 2 |
| Hoist Packer | 415 | 630 | 2¼ |
| Break down Packer | 630 | 800 | 1½ |

FIRES ___ Driller's Signature: Harry Rattray

## 8 AM TO 4 PM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | | No. 1 | PRESSURE | | | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. ___ F.C. ___ pH. ___ DESILTER: Hours Op: ___ U. Flow: ___ O. Flow: ___

SURVEYS: At Feet ___ Degrees ___ 4 ___ 5 ___

ADDITIVES: ___ GENERAL: ___

Weather ___ Temp ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| Finish Test | 800 | 800 | ½ |
| Wait On Orders | 8 30 | 2 00 | 5½ |
| Run in & Lay down D.C. | 2 00 | 4 00 | 2 |
| | | | 8 |

FIRES ___ Driller's Signature: [illegible]

## TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | | No. 1 | PRESSURE | | | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. ___ F.C. ___ pH. ___ DESILTER: Hours Op: ___ U. Flow: ___ O. Flow: ___

SURVEYS: At Feet ___ Degrees ___ 4 ___ 5 ___

ADDITIVES: ___ GENERAL: ___

Weather ___ Temp ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| Run in [illegible] | | | |
| Pick up Stand | | 52 | 1¾ |
| Cir to Rig [illegible] | 45 | | |
| Wait on Cement. [illegible] | | | |
| [illegible] | | 10 | 6¼ |

FIRES ___ Driller's Signature ___

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams. | | | | |
| Blind Rams. | | | | |

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

| | |
|---|---|
| Crown-o-matic Chk'd. | |
| Pig Savers Chk'd. | |
| Kelly Cock Chk'd. | |
| Fire Equip. Chk'd. | |

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ PLUG DOWN ___ A.M. P.M.

CEMENT RETURNS - (YES / NO)

GENERAL

EQUIPMENT CHANGES ___ TRANSFER #

DAYS FROM SPUD:

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative: [illegible]

Approved by Toolpusher: [illegible]

CONSERVATION BOARD COPY

829

**COMMONWEALTH DRILLING (NORTHERN) LIMITED**
DAILY DRILLING LOG

RIG NO. 12 LOCATION Husky ET AL SIBUESTION LSD. 6 SEC 64 TWP. RGE. W. DATE Jan 26 1970

DIRECTIONS TO WELL: MAILING POINT: SHIPPING POINT: MILES MOVED: ROAD CONDITIONS:

## TOUR MIDNIGHT TO 8 AM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | T.D | | | | | | 4 / 16 | 7 / 6 | 2½ | 589.21 | | 512 | | |

| BITS No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 8¾ | HSSR | 2-13 / 1-14 | 17981 | | | 279 | 48¾ | | | | | | | 4 | 2 | 1 |

CHANGE OIL IN AU 2-3 MOTORS

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP No. 1 | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP No. 2 | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 10.4 | | | | PRESSURE | | | | | PRESSURE | | | | | 1 | |
| VISCOSITY | 42 | | | | MODEL | | | | | MODEL | | | | | 2 FUEL | AS OF |
| GEL | | | | | S.P.M. | | | | | S.P.M. | | | | | 3 8 AM | 5:15 |
| | | | | | LINER SIZE | | | | | LINER SIZE | | | | | | |

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

SURVEYS: At Feet 3570 Degrees 2¾

ADDITIVES: GENERAL: STRAP TALLY 3568.36 BOARD TALLY 3570.73 DIFF. 2.37

Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

## TOUR 8 AM TO 4 PM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TD | | 80. | 44. | 30 | 16 | 6 | 2½ | 466.36 | | 460 | | 43 |

| BITS No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP No. 1 | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP No. 2 | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | | PRESSURE | | | 1000 | 300 | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL | | | 65 | 65 | MODEL | | | | | 2 | |
| GEL | | | | | S.P.M. | | | | | S.P.M. | | | | | 3 | |
| | | | | | LINER SIZE | 5½ | X | 14 | | LINER SIZE | | | | | | |

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

SURVEYS: At Feet Degrees

ADDITIVES: GENERAL:

Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

## TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | |

| BITS No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP No. 1 | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP No. 2 | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | | PRESSURE | | | | | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL | | | | | MODEL | | | | | 2 | |
| GEL | | | | | S.P.M. | | | | | S.P.M. | | | | | 3 | |
| | | | | | LINER SIZE | | | | | LINER SIZE | | | | | | |

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

SURVEYS: At Feet Degrees

ADDITIVES: GENERAL:

Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

## REMARKS

| REMARKS | TIME START | STOP | INTVL. |
|---|---|---|---|
| CIRC TO LOG | 1200 | 1230 | ½ |
| SURVEY | 1230 | 1245 | ¼ |
| DOUBLE PRESSURE OUT OF HOLE | 1245 | 330 | 2¾ |
| RIG TO LOG | 330 | 400 | ½ |
| LOG BY SCHLUMBERGER | 400 | 800 | 4 |
| LOGS | | | |
| INDUCTION ELECTRICAL SURVEY | | | |
| BOREHOLE COMPENSATED SONIC | | | |
| GAMMA-RAY CALIPER | | | |
| FIRES | DRILLER'S SIGNATURE | | |
| LOGGING | 8 | 10 | 2 |
| LAYDOWN | 10 | 11 15 | 1¼ |
| RUN IN | 11 15 | 1 30 | 2¼ |
| CIR | 1 30 | 4 00 | 2½ |
| FIRES | DRILLER'S SIGNATURE | | |
| CIRC | 400 | 800 | 4 |
| DOUBLE PRESSURE OUT TO TEST | 800 | 1030 | 2½ |
| RUN IN 55 STANDS OF COLLARS | 1030 | 1100 | ½ |
| MAKE UP TEST TOOL | 1100 | 1200 | 1 |
| FIRES | DRILLER'S SIGNATURE | | |

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams | | | | |
| Blind Rams | | | | |

TOTCO RING ON BIT #: Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. / Rig Savers Chk'd. / Kelly Cock Chk'd. / Fire Equip. Chk'd.

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT: RAN JTS CSG. TO KB. USED SAX CEM. PLUS % PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES/NO)

GENERAL

EQUIPMENT CHANGES

TRANSFER #

DAYS FROM SPUD:

TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

CONSERVATION BOARD COPY

628

# COMMONWEALTH DRILLING (NORTHERN) LIMITED

DAILY DRILLING LOG

RIG NO. 12 LOCATION Pincher Creek ETAL SECTION LSD. C SEC. 64 TWP. ___ RGE. ___ W. ___ DATE Jan 25 1970

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

TOUR MIDNIGHT TO 8 AM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3460 | 56 | 3516 | 7¾ | 88m | 29 | 1 29 | 4 16 | 7 6 | 2½ | 589.24 | | 512 | | 26 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10 | 8¾ | X55R | 7-13 | 17981 | 40 | 50 | 220 | 35¼ | | | 1 | 950 | 63 | | R | W | N |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | [illegible] | [illegible] | [illegible] | [illegible] | No. 1 | PRESSURE | [illegible] | 950 | 950 | 950 | No. 2 | PRESSURE | Mill Hole | | | | 1 | |
| VISCOSITY | [illegible] | [illegible] | [illegible] | 40 | MODEL | S.P.M. | [illegible] | 63 | 63 | 63 | MODEL C 250 | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. 16.2 F.C. [illegible] H. [illegible] DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees 4 5

ADDITIVES: GENERAL:

250 lbs Deltex 100 lbs Caustic Soda
2800 lbs Bentonite

Weather Temp. Water Bbls

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

FUEL 38

FIRES N/A Harry Oetter DRILLER'S SIGNATURE

TOUR 8 AM TO 4 PM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3516 | 42 | 3558 | 7¾ | 88 | 29 37 | 2 | 4 16 | 7 6 | 2½ | 589.24 | | 512 | | 15 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10 | 8¾ | X55R | 2/13 1/16 | 17981 | 40 | 50 | 262 | 45¼ | | | 1 | 950 | 64 | | | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.4 | 9.4 | 9.4 | 9.4 | No. 1 | PRESSURE | 950 | 950 | 950 | [illegible] | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | 35 | 45 | 50 | 50 | MODEL | S.P.M. | 64 | 64 | 64 | 64 | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | 14 | 14 | | | LINER SIZE | | | | | 3 | |

W.L. [illegible] F.C. [illegible] pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees 4 5

ADDITIVES: Gel 5600# GENERAL:

Weather Temp. Water Bbls

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

FIRES DRILLER'S SIGNATURE

TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3558 | 12 | 3570 | 4¾ | 94 | 29 37 | | 4 16 | 7 6 | 2½ | 589.24 | | | | |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10 | 8¾ | X55R | 2/13 1/16 | 17981 | 40 | 50 | 274 | 48¾ 48¾ | | | | | | | | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.4 | 9.4 | 9.4 | | No. 1 | PRESSURE | [illegible] | 950 | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | 55 | 68 | 68 | | MODEL | S.P.M. | [illegible] | 64 | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. 12 F.C. [illegible] pH. 8.5 DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees 4 5

ADDITIVES: GENERAL:

SCHLUMBERGER ARRIVED AT 11:45 PM Jan 25/70

Weather Temp. Water Bbls

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

FIRES DRILLER'S SIGNATURE

| REMARKS | TIME START | TIME STOP | TIME INTVL |
|---|---|---|---|
| DRILL 8¾ HOLE | 1200 | 145 | 1¾ |
| RIG SERVE BOPS | 145 | 200 | ¼ |
| DRILL 8¾ HOLE | 200 | 800 | 6 |
| DRILLING 8¾ HOLE | 2 | 1 | 7 |
| RIG SERVICE | 1 | 1 | ¼ |
| DRILLING | 1 | 7 | 7¾ |
| | | | 8 |
| DRILLING 8¾ HOLE | 1 | 6 | 2¼ |
| RIG SERVICE | 6 | 6 | ¼ |
| DRILLING - T.D. 3570 | 6 | 8 | 2 |
| CIR. BOTTOM HOLE | 8 | 8 | ¼ |
| PICK KELLY | 8 | 8 | ¼ |
| HOIST 10 STANDS | 730 | 1000 | ½ |
| ~~BREAK~~ BREAK DOWN CORE BBL | 1000 | 1030 | ½ |
| AND LOAD OUT | | 1030 | ½ |
| RUN IN HOLE | 1030 | 1100 | ½ |
| CIRC TO LOG | 1100 | 1200 | 1 |

FIRES DRILLER'S SIGNATURE

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams. | | | | |
| Blind Rams. | | | | |

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

| | |
|---|---|
| Crown-o-matic Chk'd. | |
| Rig Savers Chk'd. | |
| Kelly Cock Chk'd. | |
| Fire Equip. Chk'd. | |

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT RAN ___ JTS ___ CSG ___ TO ___ KB USED ___ SAX ___ CEM ___ PLUS ___ PLUG DOWN ___ A.M. P.M. CEMENT RETURNS - (YES/NO)

GENERAL

EQUIPMENT CHANGES

TRANSFER #

DAYS FROM SPUD:

TOTAL COMPANY TIME HRS.

TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

CONSERVATION BOARD COPY

827

# COMMONWEALTH DRILLING (NORTHERN) LIMITED

DAILY DRILLING LOG

RIG NO. 12 LOCATION Husky ETAL STIBBISTON LSD. 5 SEC. 69 TWP. ___ RGE. ___ W. ___ DATE 8. 2 4 196 70

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

## TOUR MIDNIGHT TO 8 AM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3327 | 43 | 3370 | 7¼ | | 27 | 7.62 | 4 | 7 | 2½ | 589.24 | 512 | | | 13 |

| BITS No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 8¾ | X55R | 2-13 1-14 | 17981 | 30 | 50 | 74 | 12¼ | | | 1 | 950 | 64 | | DR | 21 | 1/16 |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.3 | 9.3 | 9.3 | 9.3 | No. 1 | PRESSURE | 950 | 950 | 950 | 950 | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | 35 | 35 | 34 | 34 | MODEL | S.P.M. | 63 | 63 | 63 | 63 | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | 5½ X 14 | | | | | LINER SIZE | | | | | 3 | |

W.L. 10.0 F.C. 2/32 pH. 9.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: LYEL = 300 lbs. GENERAL: FUEL 4'
CMC = 50 lbs.

SURVEYS: At Feet 3350 Degrees 3½ — 4 — 5 — Weather — Temp. — Water — Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| Rig Service & check B.O.P. | 12 | 12¼ | ¼ |
| Drilling 8¾ Hole | 12 | 5 | 5 |
| Survey @ 3350 | 5 | 5 | |
| Drilling 8¾ Hole | 5 | 8 | 2¼ |

FIRES N/A DRILLER'S SIGNATURE [illegible]

## 8 AM TO 4 PM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3370 | 48 | 3418 | 7¾ | 96m | 45 28 10 | 57 | 4 16 | 7 6 | 2½ | 589.24 | 512 | | | 27 |

| BITS No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 8¾ | X55R | 2-13 1-14 | 17981 | 30 | 50 | 122 | 20 | | | 1 | 950 | 63 | | R | 11 | 2 |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | [illegible] | | [illegible] | 9.1 | No. 1 | PRESSURE | 950 | 950 | 950 | 950 | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | [illegible] | [illegible] | 35 | 35 | MODEL | S.P.M. | 63 | 63 | 63 | 63 | MODEL | S.P.M. | Mud Roll | | | | 2 | |
| GEL | | | | | P 300 | LINER SIZE | | 5½ | X 14 | | P 250 | LINER SIZE | | | | | 3 | |

W.L. [illegible] F.C. [illegible] pH. [illegible] DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:
200 lbs Gell 10 lbs Kelzan

SURVEYS: At Feet — Degrees — 4 — 5 — Weather — Temp. — Water — Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| Drill 8¾ Hole | 800 | 10¹⁵ | 2¼ |
| Rig SER & BOPS CHECK | 10¹⁵ | 10³⁰ | ¼ |
| Drill 8¾ Hole | 10³⁰ | 4⁰⁰ | 5½ |

FIRES N/A DRILLER'S SIGNATURE [illegible]

## 4 PM TO MIDNIGHT TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3418 | 42 | 3460 | 12½ | 96. | 45 | 1 | 4 16 | 7 6 | 2½ | 589.24 | 512 | | | 14 |

| BITS No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 8¾ | X55R | 3/13 1/4 | 17981 | 30 | 50 | 164 | 20¾ | | | 1 | 825 | 65 | | DR | 11 | 1/16 |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 8.4 | 8.1 | 8.8 | 9.0 | No. 1 | PRESSURE | 800 | 800 | 800 | 825 | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | 45 | 48 | 42 | 40 | MODEL | S.P.M. | 65 | 65 | 65 | 65 | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | 14 | | | LINER SIZE | | | | | 3 | |

W.L. 18.6 F.C. [illegible] pH. 6.4 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: Poltex 200 # GENERAL:
Caustic 100 #

SURVEYS: At Feet — Degrees — 4 — 5 — Weather — Temp. — Water — Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| Drilling 8¾ Hole | 4⁰⁰ | 9⁰⁰ | 5 |
| Rig Service & B.O.P. | 9⁰⁰ | 9¹⁵ | ¼ |
| Drilling | 9¹⁵ | 12⁰⁰ | 1¾ |
| | | | 8 |

FIRES N/A DRILLER'S SIGNATURE [illegible]

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams | | | | |
| Blind Rams | | | | |

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. ___ Rig Savers Chk'd. ___ Kelly Cock Chk'd. ___ Fire Equip. Chk'd. ___

Fuel on Hand 12.01 a.m. ___ gals.
Fuel Rec'd Today (add) ___ gals.
TOTAL ___ gals.
Fuel on Hand 11.59 p.m. (deduct) ___ gals.
FUEL USED ___ gals.

CASING REPORT: RAN ___ JTS ___ CSG TO ___ KB. USED ___ SAX ___ CEM PLUS ___ PLUG DOWN ___ A.M. P.M.
CEMENT RETURNS (YES/NO)

GENERAL

EQUIPMENT CHANGES

TRANSFER #

DAYS FROM SPUD:

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative [illegible]

Approved by Toolpusher [illegible]

CONSERVATION BOARD COPY

826

**COMMONWEALTH DRILLING (NORTHERN) LIMITED**

DAILY DRILLING LOG

RIG NO. 12 LOCATION Husky LTD STB Tan LSD. 6 SEC. 67 TWP. ___ RGE. ___ W. ___ DATE Jun 8 1970

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

## TOUR MIDNIGHT TO 8 AM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3223 | 49 | 3272 | 7¼ | 90m | 26 | 5 | 4 / 16 | 7 / 6 | 2½ | 589 | 24 | 512 | | 19 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9 | 8¾ | RY55R | 3-13 | 3911 | 20-30 | 50 | 148 | 18¾ | | | 1 | 900 | 65 | | DRILLING | | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.5 | 9.5 | 9.5 | 9.4 | No. 1 PRESSURE | 950 | 950 | 950 | 950 | No. 2 PRESSURE | | | | | 1 | |
| VISCOSITY | 37 | 37 | 36 | 37 | MODEL | 63 | 63 | 63 | 63 | MODEL | Mud Pump | | | | 2 | |
| GEL | | | | | S.P.M. / LINER SIZE | | | | | S.P.M. / LINER SIZE | | | | | 3 | |

W.L. 11.2 F.C. 2/32 pH. 10.0 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: C.M.C. = 50 lbs. GENERAL: Kelzan = 25 lbs.
Caustic = 50 lbs. Plaster = 50 lbs
Chrome Alum = 2 lbs. Sawdust = 50 bags

| SURVEYS At Feet | Degrees |
|---|---|
| 3230 | 3½ |
| 3262 | 3¾ |

Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL. |
|---|---|---|---|
| Drilling 8¾ hole | 12.00 | 1.00 | 1 |
| Rig service & check B.O.P. | 1.00 | 1.15 | ¼ |
| Survey @ 3220 | 1.15 | 1.30 | ¼ |
| Drill 8¾" hole | 1.30 | 5.45 | 4¼ |
| Survey 3262' | 5.45 | 6.00 | ¼ |
| Drill 8¾" hole | 6.00 | 8.00 | 2 |
| Fuel Requirement @ 7.00 PM | | | |
| Top Tank 2 FT. | | | |
| Last 120 barrels approx. @ 3220' | | | |

FIRES ___ DRILLER'S SIGNATURE ___

## TOUR 8 AM TO 4 PM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3272 | 24 | 3296 | 4¼ | 86m | 43 | 5 / 16 | 4 / 16 | 7 / 6 | 2½ | 589 | 24 | 512 | | 41.50 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9 | 8¾ | RY55R | 2-13 | 3911 | 35 | 50 | 172 | 23½ | | | | | | | 3 | 2 | 1 |
| | 10 | 8¾ | RY55R | 2-13-14 | 17981 | | | | | | | | | | | | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.1 | 9.2 | 9.2 | | No. 1 PRESSURE | 950 | 950 | 950 | | No. 2 PRESSURE | | TRIP | | | 1 | |
| VISCOSITY | 37 | 36 | 36 | | MODEL D 500 S.P.M. | 63 | 63 | 63 | | MODEL C 250 S.P.M. | | | | | 2 | |
| GEL | | | | | LINER SIZE | | | | | LINER SIZE | | | | | 3 | |

W.L. [illegible] F.C. 2/32 pH. 10.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

| SURVEYS At Feet | Degrees |
|---|---|
| 3296 | 4 |
| ~~3322~~ | ~~3¾~~ |

Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL. |
|---|---|---|---|
| Drill 8¾ Hole | 800 | 1245 | 4¾ |
| Rig SERV & BOPs check | 1245 | 100 | ¼ |
| Survey | 100 | 115 | ¼ |
| Hoist Bit 9 | 115 | 345 | 2½ |
| Run in collars | 345 | 400 | ¼ |

FIRES NIL DRILLER'S SIGNATURE ___

## TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3296 | 31 | 3327 | 5 | 86m | 27 | 1 / 94 | 4 / 16 | 7 / 6 | 2½ | 549 | 24 | 512 | | 31 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10 | 8¾ | RY55R | 2-13-14 | 17991 | 30 | 48 | 31 | 5 | | | 1 | 950 | 63 | | DRILLING | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | 9.2 | 9.3 | 9.3 | No. 1 PRESSURE | | 950 | 950 | 950 | No. 2 PRESSURE | | | | | 1 | |
| VISCOSITY | | 35 | 35 | 35 | MODEL S.P.M. | | 63 | 63 | 63 | MODEL S.P.M. | Mud Pump | | | | 2 | |
| GEL | | | | | LINER SIZE | | 5½ × | 14 | | LINER SIZE | | | | | 3 | |

W.L. 11.4 F.C. 2/32 pH. 10.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

| SURVEYS At Feet | Degrees |
|---|---|
| 3322 | 3¾ |

Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL. |
|---|---|---|---|
| Run collars | 400 | 430 | ½ |
| Rig SER & BOPs | 430 | 445 | ¼ |
| Slip Drill Line | 445 | 500 | ¼ |
| Run in Hole | 600 | 630 | 1½ |
| Drill 8¾ Hole | 630 | 11.30 | 5 |
| Survey @ 3323 | 11.30 | 12.00 | ½ |

FIRES ___ DRILLER'S SIGNATURE ___

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams. | | | | |
| Blind Rams. | | | | |

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. ___ Rig Savers Chk'd. ___ Kelly Cock Chk'd. ___ Fire Equip. Chk'd. ___

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB USED ___ SAX ___ CEM ___ PLUS ___ PLUG DOWN ___ A.M. P.M.

CEMENT RETURNS - (YES / NO)

GENERAL —

EQUIPMENT CHANGES ___ TRANSFER # ___

DAYS FROM SPUD: ___

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative ___

Approved by Toolpusher ___

CONSERVATION BOARD COPY

825

# COMMONWEALTH DRILLING (NORTHERN) LIMITED

DAILY DRILLING LOG

RIG NO. 12 LOCATION Husky Ft Rl Lloydminster L.S.D. 6 SEC. 69 TWP. ___ RGE. ___ W. ___ DATE Jan 22 1980

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

## TOUR MIDNIGHT TO 8 AM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3124 | | | 0 | 78 | 42 26 | 36 | 17 | 6" | 2½ | 447 | 47 | 264 | | 31 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8 | 8¾ | Y1HWG | 7-13 | 759237 | | | 56 | 12½ | | | 1 | 900 | 64 | | 3 | 2 | I |
| | 9 | 8¾ | RX55R | 7-14 | 3911 | NEW | | | | | | | | | | | | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | | No. 1 | PRESSURE | | | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. ___ F.C. ___ pH. ___ DESILTER: Hours Opr ___ U. Flow: ___ O. Flow: ___

SURVEYS: At Feet ___ Degrees ___ 4 ___ 5 ___

ADDITIVES: ___ GENERAL: Fuel Measurements

Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| Curvey 3124 3½° | 12⁰⁰ | 12³⁰ | ½ |
| Rig Ser Check BOPs | 12³⁰ | 12⁴⁵ | ¼ |
| Hoist Bit #9 | 12⁴⁵ | 2⁴⁵ | 2 |
| Check Blind Rams Set up | 2⁴⁵ | | |
| Brakes. | | 3¹⁵ | ½ |
| Lay Down Jammed Hole 6" Collar | 3¹⁵ | 3³⁰ | ¼ |
| Tripping in w/Bit #9 | 3³⁰ | | |
| Twisted off Pin Collar. | | 6³⁰ | 3 |
| Fuel Top Tank 5' | | | |
| FIRES Hoist Plugged Bit Balled DRILLER'S SIGNATURE | 6³⁰ | 8⁰⁰ | 1½ |

## TOUR 8 AM TO 4 PM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3124 | 33 | 3157 | 4½ | 86m | 40 25 | 1 13 | 4 16 | 7 6 | 2½ | 588 | | 512 | | down |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9 | 8¾ | RX55R | 7-14 | 3911 | 20-30 | 50 | 33 | 4½ | | | 1 | 400 | 63 | | R | 26 | n |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | X | X | 9.4 | 9.2 | No. 1 | PRESSURE | | | 900 | 900 | No. 2 | PRESSURE | TANK | | | | 1 | |
| VISCOSITY | X | X | 37 | 37 | MODEL | S.P.M. | | | 63 | 63 | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | D 300 | LINER SIZE | | | 5½ X 14 | | C 250 | LINER SIZE | | | | | 3 | |

W.L. ___ F.C. ___ pH. ___ DESILTER: Hours Opr ___ U. Flow: ___ O. Flow: ___

SURVEYS: At Feet ___ Degrees ___ 4 ___ 5 ___

ADDITIVES: ___ GENERAL:

5 sacks Gel 50 Lbs Caustic Soda 50 Lbs C.M.C.

Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| Hoist Placed Bit 8 | 8⁰⁸ | 8¹⁵ | ¼ |
| Rig Ser & BOPs Check | 8¹⁵ | 8³⁰ | ¼ |
| Ream Hole Pick up one collar | 8³⁰ | 11³⁰ | 3 |
| Drill 8¾ Hole | 11³⁰ | 4⁰⁰ | 4½ |
| FIRES DRILLER'S SIGNATURE | | | |

## TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3157 | 66 | 3223 | 7 | 80 20 | 41 25 | 1 6 | 4 16 | 17 6 | 2½ | 588 | | 512 | | 7 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9 | 8¾ | RX55R | 7-14 | 2911 | 30-20 | 50 | 99 | 11½ | | | 1 | 900 | 64 | | DRLG | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | 9.4 | 9.5 | 9.5 | No. 1 | PRESSURE | 900 | 900 | 900 | 950 | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | | | 38 | 38 | MODEL | S.P.M. | 63 | 63 | 63 | 63 | MODEL | S.P.M. | Mud Hall | | | | 2 | |
| GEL | | | | | D 300 | LINER SIZE | 5½ X 14 | | | | C 250 | LINER SIZE | | | | | 3 | |

W.L. ___ F.C. ___ pH. ___ DESILTER: Hours Opr ___ U. Flow: ___ O. Flow: ___

SURVEYS: At Feet 3148 Degrees 3-8; 4 3190 3¾; 5

ADDITIVES: ___ GENERAL:

Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| Rig Ser & BOPs Check | 4⁰⁰ | 4¹⁵ | ¼ |
| Survey pts Run Run out Then Survey | 4¹⁵ | 4⁴⁵ | ½ |
| Drill 8¾ Hole | 4⁴⁵ | 8¹⁵ | 3½ |
| Survey 3190' | 8¹⁵ | 8³⁰ | ¼ |
| Drill 8¾ Hole | 8³⁰ | 12⁰⁰ | 3½ |
| FIRES DRILLER'S SIGNATURE | | | |

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams | | | | |
| Blind Rams | | | | |

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. ___ Rig Savers Chk'd. ___ Kelly Cock Chk'd. ___ Fire Equip. Chk'd. ___

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ PLUG DOWN ___ A.M. P.M. ___ CEMENT RETURNS - (YES/NO)

GENERAL —

EQUIPMENT CHANGES ___ TRANSFER # ___

DAYS FROM SPUD: ___

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative ___

Approved by Toolpusher ___

CONSERVATION BOARD COPY

824

**COMMONWEALTH DRILLING (NORTHERN) LIMITED**

**DAILY DRILLING LOG**

RIG NO. 12 LOCATION Husky ETAL Sibbestown LSD. G SEC. 24 TWP. ___ RGE. ___ W. ___ DATE Jan 21 1960

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

## TOUR MIDNIGHT TO 8 AM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles |
|---|---|---|---|---|---|---|
| 3040 | 28 | 3068 | 4 | 12 | 39 3101 | 1 30 |

DRILL COLLARS: No. 4 - 7" / 16 - 6" O.D. 2 1/2 I.D. Length 589 Air Wt. 29 Sub. Wt. 512 C.B. Ft. Ft. up on Kelly 31

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 8 3/4 | RSSR | 7-13 | 17331 | 25-30 | 50 | 290 | 35 3/4 | | | 1 | 950 | 65 | | 6 | 1 | 1 |
| | 8 | 8 3/4 | YHWG | 8-13 1-14 | 759237 | | | | | | | | | | | | | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.5 | 9.5 | 9.5 | | No. 1 | PRESSURE | 900 | 900 | 900 | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | 35 | 35 | 35 | | MODEL | S.P.M. | 63 | 63 | 63 | | MODEL | S.P.M. | Mud | Roll | | | 2 | |
| GEL | | | | | | LINER SIZE | | 5 1/2 | 14 | | | LINER SIZE | | | | | 3 | |

W.L. 12.4 F.C. 2/32 pH. 9.0 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL: FUEL 4 1/2 ft.

SURVEYS: At Feet 3010 Degrees 3 3/4

Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

REMARKS

| | TIME START | STOP | INTVL |
|---|---|---|---|
| Rig Service & B.O.P. | 12 00 | 12 15 | 1/4 |
| Drilling | 12 15 | 3 30 | 3 1/4 |
| Surv. 3020 - 3/4 | 3 30 | 3 45 | 1/4 |
| Drill 3 3/4 hole | 3 45 | 4 30 | 3/4 |
| Tripping | 4 30 | 7 30 | 3 |
| Pick up 6" Bottom hole | 7 30 | | |
| Ream | | 8 00 | 1/2 |

FIRES ___ DRILLER'S SIGNATURE ___

## TOUR 8 AM TO 4 PM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles |
|---|---|---|---|---|---|---|
| 3068 | 24 | 3092 | 5 1/4 | 78 | 6 0 | 1 |

DRILL COLLARS: No. 4 - 7" / 16 - 6" O.D. 2 1/2 I.D. Length 589 Air Wt. 29 Sub. Wt. 512 C.B. Ft. Ft. up on Kelly 3

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8 | 8 3/4 | YHWG | 8-13 1-14 | 759237 | 20 | 60 | 24 | 5 1/4 | | | 1 | 900 | 63 | | 8 | 4 | 4 |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | 9.7 | No. 1 | PRESSURE | | 900 | 900 | 900 | No. 2 | PRESSURE | THUK | | | | 1 | |
| VISCOSITY | | | | 35 | MODEL D 300 | S.P.M. | | 63 | 63 | 63 | MODEL C 250 | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | 5 1/2 | X 14 | | | LINER SIZE | | | | | 3 | |

W.L. 12-4 F.C. 2/32 pH. 9.0 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: Gel 400# GENERAL:

SURVEYS: At Feet ___ Degrees ___

Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

REMARKS

| | TIME START | STOP | INTVL |
|---|---|---|---|
| Rig Service & B.O.P. Check | 8 00 | 8 15 | 1/4 |
| Run in Hole with Bit 8 | 8 15 | 10 15 | 2 |
| Ream 4 joint To Bottom | 10 15 | 10 45 | 1/2 |
| Drill 8 3/4 Hole | 10 45 | 400 | 5 1/4 |
| | | | 8 |

FIRES ___ DRILLER'S SIGNATURE ___

## TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles |
|---|---|---|---|---|---|---|
| 3092 | 32 | 3124 | 7 1/4 | 78 | 4 2 3056.74 | 1 |

DRILL COLLARS: No. 4 - 7" / 16 - 6" O.D. 2 1/2 I.D. Length 589 Air Wt. 29 Sub. Wt. ___ C.B. Ft. ___ Ft. up on Kelly 31

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8 | 8 3/4 | YHWG | 8-13 1-14 | 759237 | 20-25 | 60 | 56 | 12 1/2 | | | 1 | 950 | 65 | | | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.7 | 9.6 | 9.5 | 9.5 | No. 1 | PRESSURE | 900 | 900 | 900 | 900 | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | 35 | 35 | 35 | 35 | MODEL D 300 | S.P.M. | 63 | 63 | 64 | 64 | MODEL C 250 | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | 5 1/2 X 14 | | | | LINER SIZE | | | | | 3 | |

W.L. 12.6 F.C. 2/32 pH. 8.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: Gel = 300 lbs GENERAL: Kelyan = 25 lbs.
Plaster = 1 Bags Caustic = 50 lbs.
Chrome Alum = 1 lbs C.M.C. = 50 lbs.

SURVEYS: At Feet 3092 Degrees 3; 3125 [illegible]

Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

REMARKS

| | TIME START | STOP | INTVL |
|---|---|---|---|
| Rig Service set up Brakes & Bolts | 400 | 430 | 1/2 |
| Survey | 430 | 445 | 1/4 |
| Drill 8 3/4 Hole | 445 | 12 00 | 7 1/4 |
| Dump Shaker Tank | | | |

FIRES ___ DRILLER'S SIGNATURE ___

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams. | | | | |
| Blind Rams. | | | | |

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

| | |
|---|---|
| Crown-o-matic Chk'd. | |
| Rig Savers Chk'd. | |
| Kelly Cock Chk'd. | |
| Fire Equip. Chk'd. | |

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ PLUG DOWN ___ A.M. P.M.

CEMENT RETURNS - (YES / NO)

GENERAL ---

EQUIPMENT CHANGES ___ TRANSFER # ___

DAYS FROM SPUD: ___

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative ___

Approved by Toolpusher ___

CONSERVATION BOARD COPY

822

# WEALTH DRILLING (NORTHERN) LIMITED

DRILLING LOG

RIG NO. 12 LOCATION Okotoks / Tol SECTION LSD. 6 SEC. 29 TWP. ___ RGE. ___ W. ___ DATE ___ 1962

DIRECTIONS TO ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

## TOUR MIDNIGHT TO 8 AM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2829 | 61 | 2890 | 7½ | 42 | 36 | 1 | 4 / 16 | 7" / 6" | 2¼ | 589.29 | 512 | | | 23 |

| BITS No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 8¾ | V55R | 2-13 1-14 | 17331 | 30-40 | 50 | 112 | 15½ | | | 1 | 950 | 65 | | DRILLING | | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.7 | 9.6 | 9.6 | 9.6 | No. 1 | PRESSURE | 950 | 950 | 950 | 950 | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | 37 | 36 | 35 | 35 | MODEL | S.P.M. | 64 | 64 | 64 | 64 | MODEL | S.P.M. | Mud Pump | | | | 2 | |
| GEL | | | | | | LINER SIZE | 5½ x 14 | | | | | LINER SIZE | | | | | 3 | |

W.L. 11.2 F.C. 2/32 pH. 8.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: Kol zan = 50 lbs GENERAL: FUEL 5' 1/2 ft.

Bit = 500 lbs Chrome Alum = 2 lbs.

Plaster = 2 bags Caustic = 50 lbs

| SURVEYS At Feet | Degrees |
|---|---|
| 2880 | 2¾ |

4 5 Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL. |
|---|---|---|---|
| DRILLING 8¾ Hole | 1:00 | 2:00 | 2 |
| Rig Service & BOPs. | 2:00 | 2:15 | ¼ |
| Drilling 8¾" Hole | 2:15 | 5:45 | 3½ |
| Survey 2880' - 2¾° | 5:45 | 6:00 | ¼ |
| Drilling 8¾" Hole | 6:00 | 8:00 | 2 |

FIRES ___ DRILLER'S SIGNATURE ___

## 8 AM TOUR 4 PM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2890 | 87 | 2977 | 7¾ | 94 | 37 2371 | 1 73 | 4 / 16 | 7 / 6 | 2½ | 589 | 29 | 512 | | down |

| BITS No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 8¾ | V55R | ~~2-13~~ 1-14 | 17331 | 30/40 | 45/50 | 199 | 23¾ | | | | | | | DRILL | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.4 | 9.4 | 9.4 | 9.5 | No. 1 | PRESSURE | 950 | 950 | 950 | 900 | No. 2 | PRESSURE | TANK | | | | 1 | |
| VISCOSITY | 37 | 35 | 35 | 34 | MODEL | S.P.M. | 64 | 64 | 64 | 63 | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | 801 | LINER SIZE | 5½ | X | 14 | | 250 | LINER SIZE | | | | | 3 | |

W.L. ___ F.C. ___ pH. ___ DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

400 lbs Bentonite

| SURVEYS At Feet | Degrees |
|---|---|
| | |

4 5 Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL. |
|---|---|---|---|
| DRILL 8¾ Hole | 8:00 | 9:30 | 1½ |
| Rig SERV & BOPS CHECK | 9:30 | 9:45 | ¼ |
| DRILL 8¾ HOLE | 9:45 | 4:00 | 6¼ |

FIRES Nil DRILLER'S SIGNATURE ___

## TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2977 | 63 | 3040 | 7½ | 32m | 38 2404 | 1 12 | 4/6 | 7 / 6 | 2½ | 589 | 29 | 512 | | 31 |

| BITS No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 8¾ | V55R | 2-13 1-14 | 17331 | 30 | 50 | 262 | 31¾ | | | 1 | 950 | 65 | | DRILLING | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.5 | 9.5 | 9.5 | 9.5 | No. 1 | PRESSURE | 900 | 900 | 900 | 900 | No. 2 | PRESSURE | TANK | | | | 1 | |
| VISCOSITY | 37 | 36 | 35 | 35 | MODEL | S.P.M. | 63 | 63 | 63 | 63 | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | 206 | LINER SIZE | 5½ | X | 14 | | 250 | LINER SIZE | | | | | 3 | |

W.L. 12.2 F.C. 2/32 pH. 9.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

| SURVEYS At Feet | Degrees |
|---|---|
| 3040 | 3¼ |

4 5 Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL. |
|---|---|---|---|
| Rig SERV & BOPS | 400 | 4:15 | ¼ |
| DRILL 8¾ HOLE | 4:15 | 10:30 | 6¼ |
| Survey 3040' 3¼° | 10:30 | 10:45 | ¼ |
| Drilling 8¾" Hole | 10:45 | 12:00 | 1¼ |

FIRES ___ DRILLER'S SIGNATURE ___

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams. | | | | |
| Blind Rams. | | | | |

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

| | |
|---|---|
| Crown-o-matic Chk'd. | |
| Rig Savers Chk'd. | |
| Kelly Cock Chk'd. | |
| Fire Equip. Chk'd. | |

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ PLUG DOWN ___ A.M. P.M. CEMENT RETURNS - (YES/NO)

GENERAL

EQUIPMENT CHANGES

TRANSFER #

DAYS FROM SPUD:

TOTAL COMPANY TIME ___ HRS

TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative

Approved by Toolpusher

CONSERVATION BOARD COPY

821

**COMMONWEALTH DRILLING (NORTHERN) LIMITED**

**DAILY DRILLING LOG**

RIG NO. 12 LOCATION Husky ETAL STBBESTER LSD. G SEC. 67 TWP. ___ RGE. ___ W. ___ DATE Jan 19 1970

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

## TOUR MIDNIGHT TO 8 AM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2688 | 71 | 2759 | 6½ | 81 | 35 | — | 4 / 16 | 7 / 6 | 2½ | 589 | 29 | 5.12 | | 31 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 7¾ | J55R | 7-13 | 18002 | 40 | 50 | 657 | 68¼ | | | 1 | 900 | 55 | | DRILL | ing | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.7 | 9.7 | 9.7 | 9.7 | No. 1 | PRESSURE | 900 | 900 | 900 | 900 | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | 40 | 40 | 40 | 40 | MODEL | S.P.M. | 55 | 55 | 55 | 55 | MODEL | S.P.M. | Mud | Pump | | | 2 | |
| GEL | | | | | | LINER SIZE | 5½ x 14 | | | | | LINER SIZE | | | | | 3 | |

W.L. 11.4 F.C. 2/32 pH. 9.5 DESILTER: Hours Op: U. Flow: O. Flow:

SURVEYS: At Feet 2750 Degrees 2¼

ADDITIVES: C.M.C = 50 lb. GENERAL: Fuel 4½ ft.

Weather: Temp.: Water: Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | TIME STOP | INTVL |
|---|---|---|---|
| DRILLING 8¾" Hole | 12:00 | 12:15 | 1/4 |
| Rig SERVICE + B.O.P | 12:15 | 12:30 | 1/4 |
| DRILLING 8¾" Hole | 12:30 | 4:30 | 4 |
| CIRCULATE SAMPLE | 4:30 | 5:30 | 1 |
| DRILLING 8¾ Hole | 5:30 | 7:00 | 1½ |
| Survey 2750 | 7:00 | 7:15 | 1/4 |
| Drilling 8¾" Hole | 7:15 | 8:00 | 3/4 |

FIRES ___ DRILLER'S SIGNATURE Stanley C Baker

## TOUR 8 AM TO 4 PM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2759 | 19 | 2778 | 1¾ | 81 | 34 | 1 | 4 / 16 | 7 / 6 | 2½ | 589.29 | | 5.12 | | 12 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8 | 7¾ | J55R | 2-12 | 18002 | 40 | 50 | 676 | 70 | | | 1 | 950 | 57 | | 3 | 2 | 1 |
| | 7 | 7¾ | J55R | 3-14 | 17331 | | 1 | 19 | 2¼ | | | | | | | | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.7 | | | | No. 1 | PRESSURE | 950 | | | | No. 2 | PRESSURE | Tank | | | | 1 | |
| VISCOSITY | 42 | | | | MODEL | S.P.M. | 57 | | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | D 700 | LINER SIZE | 5½ | X | 14 | | C 250 | LINER SIZE | | | | | 3 | |

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

SURVEYS: At Feet 2778 Degrees [illegible]

ADDITIVES: GENERAL:

Weather: Temp.: Water: Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | TIME STOP | INTVL |
|---|---|---|---|
| DRILL 8¾ HOLE | 800 | 945 | 1¾ |
| Survey | 945 | 1000 | ¼ |
| Hoist | 1000 | 1100 | 1 |
| WORK on FROZEN AIR LINE | 1100 | 1200 | 1 |
| Hoist | 1200 | 100 | 1 |
| Clean mud Tank | 100 | 245 | 1¾ |
| STRAP in Hole | 245 | 400 | 1¼ |

FIRES ___ DRILLER'S SIGNATURE [illegible]

## TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2778 | 51 | 2829 | 6¼ | 82 | 35 / 2217 | 1 / 78 | 4 / 16 | 7 / 6 | 2½ | 589 | 29 | 5.12 | | 24 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7¾ | J55R | 2-12 | 17331 | 35 | 45 | 70 | 8 | | | 1 | 950 | 64 | | DRILL | ing | |
| | 8 | 7¾ | | 1-14 | | | | | | | | | | | | | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | 9.7 | 9.7 | 9.7 | No. 1 | PRESSURE | | 950 | | | No. 2 | PRESSURE | Tanks | | | | 1 | |
| VISCOSITY | | 39 | 39 | 39 | MODEL | S.P.M. | | 64 | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | D 700 | LINER SIZE | 5½ | X | 14 | | C 250 | LINER SIZE | | | | | 3 | |

W.L. 10-11 F.C. 3/32 pH. 10.5 DESILTER: Hours Op: U. Flow: O. Flow:

SURVEYS: At Feet 2820 Degrees 3 0

ADDITIVES: GENERAL: STRAP ~~2755~~ 274964 Board 274963 .61

Weather: Temp.: Water: Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | TIME STOP | INTVL |
|---|---|---|---|
| Rig SERV + BOP's Check | 400 | 4:15 | 1/4 |
| STRAP in Hole | 4:15 | 530 | 1¼ |
| DRILL | 530 | 9:45 | 4¼ |
| Survey 2820 | 9:45 | 10:00 | 1/4 |
| Drilling 8¾ Hole | 10:00 | 12:00 | |

FIRES ___ DRILLER'S SIGNATURE Stanley C Baker

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seat Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams | | | | |
| Blind Rams | | | | |

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

| | |
|---|---|
| Crown-o-matic Chk'd. | |
| Rig Savers Chk'd. | |
| Kelly Cock Chk'd. | |
| Fire Equip. Chk'd. | |

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ PLUG DOWN ___ A.M. P.M.

CEMENT RETURNS - (YES / NO)

GENERAL —

EQUIPMENT CHANGES

TRANSFER #

DAYS FROM SPUD:

TOTAL COMPANY TIME HRS.

TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative [illegible]

Approved by Toolpusher [illegible]

CONSERVATION BOARD COPY

820

**COMMONWEALTH DRILLING (NORTHERN) LIMITED**

DAILY DRILLING LOG

RIG NO. 12 LOCATION Hurley Flat Substation 6 SEC. 62 TWP. ___ RGE. ___ W. ___ DATE Jan 18 1970

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

## TOUR MIDNIGHT TO 8 AM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles |
|---|---|---|---|---|---|---|
| 2441 | 89 | 2536 | 7¾ | 80 | 31 | 1 |

| DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|
| | 4 | 7 | 2½ | 589 | 29 | 512 | | — |
| | 16 | 6 | | | | | | |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 8¾ | HSR | 2-13 / 1-12 | 18002 | 35-40 | 50 | 437 / 434 | 46½ | | | 1 | 900 | 55 | | DRILLING | | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.7 | 9.7 | 9.7 | 9.6 | No. 1 | PRESSURE | 900 | 900 | 900 | 900 | No. 2 | PRESSURE | Mud Hold | | | | 1 | |
| VISCOSITY | 40 | 40 | 40 | 40 | MODEL | S.P.M. | 55 | 50 | 55 | 55 | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | 5½ x 14 | | | | | LINER SIZE | | | | | 3 | |

W.L. 7.2 F.C. 2/32 pH. 10.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: Plaster - 50 lb GENERAL:

SURVEYS: At Feet / Degrees — 4 — 5

Weather — Water — Temp. — Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Feet Slip or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

## 8 AM TOUR 4 PM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles |
|---|---|---|---|---|---|---|
| 2536 | 68 | 2604 | 7½ | 81 | 32 | 1 |

| DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|
| | 4 | 7 | 2½ | 589 | 29 | 512 | | 29 |
| | 16 | 6½ | | | | | | |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 8¾ | HSR | 2-13 / 1-12 | 18002 | 40 | 50 | 502 | 54 | | | 1 | 900 | 55 | | R | W | W |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.5 | 9.5 | 9.6 | 9.7 | No. 1 | PRESSURE | 900 | 900 | 900 | 900 | No. 2 | PRESSURE | TANKS | | | | 1 | |
| VISCOSITY | 38 | 36 | 36 | 38 | MODEL | S.P.M. | 55 | 56 | 55 | 55 | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | P-300 | LINER SIZE | 5½ x 14 | | | | C 250 | LINER SIZE | | | | | 3 | |

W.L. 8.4 F.C. 2/32 pH. 9.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: 15K Kerzan, 15K Chrom Alum, 35K 35K Hydrogel GENERAL: 15K Plaster, 50 lbs Caustic soda

SURVEYS: At Feet / Degrees — 2548 / 1 — 4 — 5

Weather: Cold — Water — Temp. — Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Feet Slip or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

## 4 PM TOUR MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles |
|---|---|---|---|---|---|---|
| 2604 | 84 | 2688 | 7¾ | 81 | 33 | 1 |

| DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|
| | 4 | 7 | 2½ | 589 | 29 | 512 | | 8 |
| | 16 | 6 | | | | | | |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 8¾ | HSR | 2-13 / 1-12 | 18002 | 40 | 50 | 584 / 582 | 61½ | | | 1 | 900 | 55 | | DRILLING | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.7 | 9.7 | 9.8 | | No. 1 | PRESSURE | 900 | 900 | 900 | | No. 2 | PRESSURE | TANKS | | | | 1 | |
| VISCOSITY | 37 | 35 | 38 | | MODEL | S.P.M. | 55 | 55 | 55 | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | P 300 | LINER SIZE | 5½ x 14 | | | | C 250 | LINER SIZE | | | | | 3 | |

W.L. 10.2 F.C. 2/32 pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: Caustic GENERAL: Cleaned Shaker Tank

SURVEYS: At Feet / Degrees — 4 — 5

Weather — Water — Temp. — Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Feet Slip or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

## REMARKS

| | TIME START | TIME STOP | INTVL |
|---|---|---|---|
| Drilling 8¾ | 12:00 | 2:15 | 2¼ |
| Rig Service & B.O.P. | 2:15 | 2:30 | ¼ |
| Drilling 8¾ | 2:30 | 8:00 | 5½ |
| FIRES | | | |
| Survey | 8:00 | 8:15 | ¼ |
| Rig Ser & Bop check | 8:15 | 8:30 | ¼ |
| Drill 8¾ Hole | 8:30 | 4:00 | 7½ |
| FIRES NIL | | | |
| Drill 8¾ Hole | 4:00 | 6:15 | 2¼ |
| Rig Ser & Bop check | 6:15 | 6:30 | ¼ |
| Drill 8¾ Hole | 6:30 | 12:00 | 5½ |
| FIRES | | | |

DRILLER'S SIGNATURE: Stanley E. Rodie

DRILLER'S SIGNATURE: Kenneth Pitts

DRILLER'S SIGNATURE: Stanley E. Rodie

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams. | | | | |
| Blind Rams. | | | | |

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. ___ Rig Savers Chk'd. ___ Kelly Cock Chk'd. ___ Fire Equip. Chk'd. ___

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB USED ___ SAX ___ CEM ___ PLUS ___ PLUG DOWN ___ A.M. P.M. ___ CEMENT RETURNS - (YES/NO) ___

GENERAL

EQUIPMENT CHANGES ___ TRANSFER # ___

DAYS FROM SPUD: ___

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative: [signature]

Approved by Toolpusher: [signature]

CONSERVATION BOARD COPY

819

# COMMONWEALTH DRILLING (NORTHERN) LIMITED

DAILY DRILLING LOG

RIG NO. 12 LOCATION HUSKY ET AL SIBBESTON LSD. 6 SEC. 29 TWP. ___ RGE. ___ W. ___ DATE JAN. 12 1982

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

## TOUR MIDNIGHT TO 8 AM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles |
|---|---|---|---|---|---|---|
| 2377 | | | 0 | 28. | 29. | 0 |

| DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|
| | 4 | 7 | 2½ | 589.29 | | 5.12 | | |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 8¾ | J55R | 3/12 1/12 | 18002 | 40. | 50 | 275 | 31¾ | | | 1 | 1000 | 64 | | 1 | 1 | I |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.6 | | | | No. 1 PRESSURE | 1000 | | | | No. 2 PRESSURE | | | | | 1 | |
| VISCOSITY | 45 | | | | MODEL | 64 | | | | MODEL | | | | | 2 | |
| GEL | | | | | LINER SIZE | 14 | | | | LINER SIZE | | | | | 3 | |

W.L. 9.4 F.C. 1/32 pH. 8.0 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL: MEASURE CUT .18 DIFF. FUEL 8 AM 5'

SURVEYS: At Feet / Degrees — 4 — 5 — Weather — Temp. — Water — Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | TIME STOP | INTVL |
|---|---|---|---|
| CIR. TO TEST. | 12 00 | 12 45 | ¾ |
| RIG SER. & BOP | 12 00 | 1 00 | 1 |
| HOIST TO RUN PACKER | 1 00 | 2 00 | 1 |
| PICK UP TESTING TOOLS, MAKE UP SHOE | 2 00 | 4 00 | 1½ |
| RUN IN WITH PACKER | 4 00 | 5 30 | 1½ |
| RIG TO TEST & TESTING | 5 30 | 8 00 | 2½ |

FIRES — DRILLER'S SIGNATURE

## TOUR 8 AM TO 4 PM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles |
|---|---|---|---|---|---|---|
| 2377 | | | 0 | | 29 | — |

| DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|
| | 4 | 7 | 2½ | 589.29 | | 5.12 | | |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 8¾ | J55R | 1-12 | 18002 | | | 275 | 31¾ | | | 1 | ~~900~~ | | | | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | | No. 1 PRESSURE | | | | | No. 2 PRESSURE | | | | | 1 Jet Flow | # |
| VISCOSITY | | | | | MODEL | | | | | MODEL | | | | | 2 51 | # |
| GEL | | | | | LINER SIZE | 5½ | X | 14 | | LINER SIZE | | | | | 3 Bend Flow | # |
| | | | | | | | | | | | | | | | 4 FSE | # |
| | | | | | | | | | | | | | | | 5 Magnetic | # |

W.L. F.C. pH DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: DST #1 GENERAL: INTERVAL

PAL FLOW 2 MINS - INITIAL SHUT IN 30 MINS; VALVE OPEN 60 MINS FINAL SHUT IN 60 MINS.

SURVEYS: At Feet / Degrees — Weather — Temp. — Water — Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | TIME STOP | INTVL |
|---|---|---|---|
| TESTING | 8 00 | 9 45 | 1¾ |
| ~~Pull Test Tool and Lay Down~~ | ~~9 45~~ | | |
| Hoist & T.P. | 9 00 | 11 00 | 2 |
| Break & Lay Down Tool | 11 00 | 1 00 | 2 |
| Rig Service Check B.O.P. | 1 00 | 2 00 | ¼ |
| Run in W/B.T #6 | 2 00 | 4 00 | 2 |

FIRES — DRILLER'S SIGNATURE

## TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles |
|---|---|---|---|---|---|---|
| 2377 | 70 | 2447 | 7 | 80m | 30 19 | 4 6 |

| DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|
| | 4 16 | 7 6 | 2½ | 589.29 | | 5.12 | | 26 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 8¾ | J55R | 2-12 1-12 | 18002 | 35/40 | 50 | 275 | 38¾ | | | 1 | 900 | 55 | | R | U | N |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | 9.6 | 9.6 | 9.6 | No. 1 PRESSURE | | 900 | 900 | 900 | No. 2 PRESSURE | | | | | 1 | |
| VISCOSITY | | 40 | 37 | 39 | MODEL | | 55 | 55 | 55 | MODEL | | | | | 2 | |
| GEL | | | | | LINER SIZE | 5½ | X | 14 | | LINER SIZE | | | | | 3 | |

W.L. 6-8 F.C. 3/32 pH. 8.0 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: Gel 10 SKS GENERAL:

Caustic 50#

SURVEYS: At Feet / Degrees — 4 — 5 — Weather — Temp. — Water — Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | TIME STOP | INTVL |
|---|---|---|---|
| RIG SERV & BOPS CHECK | 400 | 415 | ¼ |
| RUN IN HOLE WITH BIT #6 | 415 | 500 | ¾ |
| DRILL 8¾ HOLE | 500 | 1200 | 7 |

FIRES — DRILLER'S SIGNATURE

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams | | | | |
| Blind Rams | | | | |

TOTCO RING ON BIT # Boiler Operated: 24 Hrs.

| | |
|---|---|
| Crown-o-matic Chk'd. | |
| Rig Savers Chk'd. | |
| Kelly Cock Chk'd. | |
| Fire Equip. Chk'd. | |

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ PLUG DOWN ___ A.M. P.M.

CEMENT RETURNS - (YES / NO)

GENERAL ...

EQUIPMENT CHANGES

TRANSFER #

DAYS FROM SPUD:

TOTAL COMPANY TIME HRS.

TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

CONSERVATION BOARD COPY

818

# COMMONWEALTH DRILLING (NORTHERN) LIMITED

DAILY DRILLING LOG

RIG NO. 12 LOCATION Husky Sibbeston LSD. 6 SEC. 14 TWP. ___ RGE. ___ W. ___ DATE Jan 16 1970

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

## TOUR MIDNIGHT TO 8 AM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2241 | 65 | 2305 | 7½ | 79. | 27 | — | 4 / 16 | 7 / 6 | 2½ | 549.29 | | 5.12 | | 16 |

| BITS No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 8¾ | X55R | 3/12 1/13 | 18002 | 38 | 50 | 203 | 23¾ | " | | 2 | 850 | 50 | | Drilling | | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 95 | 95 | 96 | 96 | No. 1 PRESSURE | | | | | No. 2 PRESSURE | | | 850 | 850 | 1 | |
| VISCOSITY | 35 | 35 | 35 | 35 | MODEL / S.P.M. | | | | | MODEL / S.P.M. | | | 50 | 50 | 2 | |
| GEL | | | | | LINER SIZE | | 5½ x 14 | | | LINER SIZE | | | | | 3 | |

W.I. ___ I.C. ___ pH. 8.5 DESILTER: Hours Op: ___ U. Flow: ___ O. Flow: ___ SURVEYS At Feet ___ Degrees ___ 4 ___ 5 ___

ADDITIVES: ___ GENERAL: Change Heads on Mud Pump 3 ___ Weather ___ Water ___ Temp. ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | TIME STOP | INTVL |
|---|---|---|---|
| Drilling | | | |
| Wireline | | | |
| Trip | | | |
| Rig Service | | | |
| Drilling | 8:00 | 8:00 | 5½ |

FIRES: No ___ DRILLER'S SIGNATURE ___

| REMARKS | START | STOP | INTVL |
|---|---|---|---|
| Drilling 8¾" Hole | 8:00 | 9:30 | 1½ |
| Survey 2320' | 9:30 | 9:45 | ¼ |
| Rig Service & B.O.P. | 9:45 | 10:00 | ¼ |
| Drilling 8¾" Hole | 10:00 | 4:00 | 6 |

## TOUR 8 AM TO 4 PM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2305 | 60 | 2365 | 7½ | 78 | 28 | — | 4 / 16 | 7" / 6" | 2½ | 549.29 | | 5.12 | | 19 |

| BITS No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 8¾ | X55R | 3/13 1/13 | 18002 | 40 | 50 | 263 | 31 | | | 1 | 750 | 65 | | Drilling | | |
| | | | | | | | | | | | 2 | 900 | 63 | | | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.7 | 9.7 | 9.7 | 9.7 | No. 1 PRESSURE | 750 | | | | No. 2 PRESSURE | | 900 | 900 | 900 | 1 | |
| VISCOSITY | 35 | 35 | 35 | 35 | MODEL / S.P.M. | 65 | | | | MODEL / S.P.M. | | 63 | 63 | 63 | 2 | |
| GEL | | | | | LINER SIZE | 5½ x 14 | | | | LINER SIZE | 5½ x 15 | | | | 3 | |

W.I. 9.6 F.C. 2/32 pH. 8.0 DESILTER: Hours Op: ___ U. Flow: ___ O. Flow: ___ SURVEYS At Feet ___ Degrees ___ 4 ___ 5 ___

ADDITIVES: ___ GENERAL: CHANG LINER IN D-30 ON 2320 14 Lubricator side ___ Weather ___ Water ___ Temp. ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | START | STOP | INTVL |
|---|---|---|---|
| Drilling 8¾" Hole | 4:00 | 4:45 | ¾ |
| Circulate & pull 2375' | 4:45 | 5:15 | ½ |
| Circulate for Test #1 | 5:15 | 9:30 | 4¼ |
| Thaw out Airlines | 9:30 | 9:45 | ¼ |
| Dummie Trip for Test #1 | 9:45 | 11:00 | 1¼ |
| Cir. to Test | 11:00 | 12:00 | 1 |

FIRES: Timber & Rescue DRILLER'S SIGNATURE ___

## TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2365 | 10 | 2375 | ¼ | 78. | 28 | 0 | 4 / 16 | 7 / 6" | 2½ | 549.29 | | 5.12 | | 19 |

| BITS No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 8¾ | X55R | 3/13 1/13 | 18002 | 40 | 50 | 275 | 31¾ | — | — | 1 | 1000 | 64 | | Reaming | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.7 | 9.7 | 9.6 | | No. 1 PRESSURE | 1000 | 1000 | | | No. 2 PRESSURE | | | | | 1 | |
| VISCOSITY | 33 | 38 | 42 | | MODEL / S.P.M. | 65 | 64 | | | MODEL / S.P.M. | Idle | Idle | | | 2 | |
| GEL | | | | | LINER SIZE | 5½ x 14 | | | | LINER SIZE | | | | | 3 | |

W.I. 9.1 F.C. ___ pH. ___ DESILTER: Hours Op: ___ U. Flow: ___ O. Flow: ___ SURVEYS At Feet ___ Degrees ___ 4 ___ 5 ___

ADDITIVES: Caustic = 20 lbs. GENERAL: ___ Weather ___ Water ___ Temp. ___ Bbls.
CMC = 50 lbs.
Kelzan XC = 50 #

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | START | STOP | INTVL |
|---|---|---|---|
| Drilling 8¾" Hole | 4:45 | 5:15 | ½ |
| Circulate for Test #1 | 5:15 | 9:30 | 4¼ |
| Thaw out Airlines | 9:30 | 9:45 | ¼ |
| Dummie Trip for Test #1 | 9:45 | 11:00 | 1¼ |
| Cir. to Test | 11:00 | 12:00 | 1 |

FIRES: No ___ DRILLER'S SIGNATURE ___

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams. | | | | |
| Blind Rams. | | | | |

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

| | |
|---|---|
| Crown-o-matic Chk'd. | |
| Rig Savers Chk'd. | |
| Kelly Cock Chk'd. | |
| Fire Equip. Chk'd. | |

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % PLUG DOWN ___ A.M. P.M. ___ CEMENT RETURNS - (YES/NO) ___

GENERAL ___

EQUIPMENT CHANGES ___ TRANSFER # ___

DAYS FROM SPUD: ___

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative ___

Approved by Toolpusher ___

CONSERVATION BOARD COPY

817

# COMMONWEALTH DRILLING (NORTHERN) LIMITED

DAILY DRILLING LOG

RIG NO. 12 LOCATION HUSKY ET AL SIGNALTA LSD. 6 SEC. 67 TWP. ___ RGE. ___ W. ___ DATE JAN. 15 1980

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

## TOUR MIDNIGHT TO 8 AM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2095 | 33 | 2118 | 4 | 72 | 24 | 0 | 4 / 16 | 7 / 6 | 2 1/2 | 551.29 | 5.12 | | | 15 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 8 3/4 | YMG | 8/12 1/13 | 8552026 | 36 | 68 | 116 | 19 1/2 | 45 | 4 1/2 | 1 | 950 | 65 | | 2 | 4 | I |
| | 6 | 8 3/4 | XSSR | 2/12 1/13 | 18002 | 30 | 46 | 16 | 2 1/4 | | | 1 | 1050 | 64 | | DRL | LNG | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | 9.6 | No. 1 PRESSURE | | | | | No. 2 PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL S.P.M. | | | | 64 | MODEL S.P.M. | | | | | 2 | |
| GEL | | | | | LINER SIZE | | | | | LINER SIZE | | | | | 3 | |

W.L. 12.6 F.C. 2/32 pH. 8.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: Gel 1000# GENERAL: SLIPPED 10' LINE

CMC 50# CLEANED SHAKER TANK

FUEL 1400 8 A.M. & SUCTION TANK

SURVEYS: At Feet 2113 Degrees 2 1/2

Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

## 8 AM TO 4 PM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2118 | 56 | 2174 | 6 3/4 | 76 | 25 | — | 4 / 16 | 7 / 6 | 2 1/2 | 551.29 | 5.12 | | | 21 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 8 3/4 | XSSR | 2-12/13 | 18002 | 38 | 50 | 72 | 9 1/4 | | | 1 | 1050 | 65 | | DRILLING | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.6 | 9.6 | 9.6 | 9.6 | No. 1 PRESSURE | 1050 | 1050 | 1050 | 1050 | No. 2 PRESSURE | | | | | 1 | |
| VISCOSITY | 33 | 33 | 33 | 34 | MODEL S.P.M. | 50 | 64 | 64 | 64 | MODEL S.P.M. | No. 1 Hall | | | | 2 | |
| GEL | | | | | LINER SIZE | 5 1/2 | 14 | | | LINER SIZE | | | | | 3 | |

W.L. 11.2 F.C. 2/32 pH. 8.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: ~~[illegible]~~ GENERAL:

S.M.C. = 50 lbs.

SURVEYS: At Feet ___ Degrees ___

Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

## TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2174 | 66 | 2240 | 7 | 76 | 26 | 0 | 4 / 16 | 7 / 6 | 2 1/2 | 587.29 | 5.12 | | | 18 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 8 3/4 | XSSR | 2-12/13 | 18002 | 38 | 50 | 138 | 16 1/4 | | | 2 | 1050 | 56 | | Drilling | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.6 | 9.6 | 9.6 | 9.6 | No. 1 PRESSURE | 1050 | 1050 | [illegible] | [illegible] | No. 2 PRESSURE | | | | 1050 | 1 | |
| VISCOSITY | 35 | 35 | 35 | 35 | MODEL S.P.M. | 56 | 64 | 64 | | MODEL S.P.M. | No. 1 Hall | | | 56 | 2 | |
| GEL | | | | | LINER SIZE | 5 1/2 | 14 | | | LINER SIZE | | | | | 3 | |

W.L. F.C. pH. 8.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

SURVEYS: At Feet ___ Degrees ___

Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | TIME STOP | INTVL. |
|---|---|---|---|
| DRILLING 8 3/4" HOLE | 10 00 | 1 30 | 1 1/2 |
| RIG SERVICE + B.O.P.'S | 1 30 | 1 45 | 1/4 |
| DROP SURVEY & BLOW KELLY | 1 45 | 2 00 | 1/4 |
| HOIST FOR NEW BIT #6 | 2 00 | 3 30 | 1 1/2 |
| DUMP & CLEAN SUCTION TANK + PICK UP 3 DC'S | 3 30 | 4 00 | 1/2 |
| RUN IN WITH #6 | 4 00 | 5 00 | 1 |
| PICK UP + BLOW KELLY/REAM | 5 00 | 5 30 | 1/2 |
| DRILLING 8 3/4" HOLE | 5 30 | 9 | 3 1/2 |

FIRES ___ DRILLER'S SIGNATURE ___

| REMARKS | TIME START | TIME STOP | INTVL. |
|---|---|---|---|
| DRILLING 8 3/4" HOLE | 9:00 | 9:45 | 3/4 |
| RIG SERVICE + B.O.P. | 9 45 | 10 00 | 1/4 |
| DRILLING 8 3/4" HOLE | 10 00 | 11 00 | 1 |
| Conservation Board Check | 11:00 | 11:15 | 1/4 |
| Drilling 8 3/4" Hole | 11:15 | 2: | 3 1/4 |
| ~~Starter & Rotor~~ | | | |
| Work on Fuel Line | 2 00 | 3 00 | 3/4 |
| Drilling 8 3/4 Hole | 3 00 | 4 00 | 1/2 |

FIRES ___ DRILLER'S SIGNATURE ___

| REMARKS | TIME START | TIME STOP | INTVL. |
|---|---|---|---|
| Drilling 8 3/4" Hole | 4 00 | 7 30 | 3 1/2 |
| Rig Service + Check B.O.P. | 7 | 7 45 | 1/4 |
| Drilling 8 3/4" Hole | 7 45 | 9 00 | 1 1/4 |
| CHANGE JACKING IN & LAND ON | 9 00 | | |
| MIX MUD + CHANGE PUMPS | | 9 45 | 3/4 |
| DRILLING 8 3/4" HOLE | 9 45 | 12 00 | 2 1/4 |

FIRES ___ DRILLER'S SIGNATURE ___

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydrill | | | | |
| Pipe Rams. | | | | |
| Blind Rams. | | | | |

Crown-o-matic Chk'd. ___ Rig Savers Chk'd. ___ Kelly Cock Chk'd. ___ Fire Equip. Chk'd. ___

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

Fuel on Hand 12.01 a.m. ___ gals.
Fuel Rec'd Today (add) ___ gals.
TOTAL ___ gals.
Fuel on Hand 11.59 p.m. (deduct) ___ gals.
FUEL USED ___ gals.

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % PLUG DOWN ___ A.M. P.M. CEMENT RETURNS - (YES/NO)

GENERAL

EQUIPMENT CHANGES

TRANSFER #

DAYS FROM SPUD:

TOTAL COMPANY TIME ___ HRS.

TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative [signature]

Approved by Toolpusher [signature]

CONSERVATION BOARD COPY

816

# COMMONWEALTH DRILLING (NORTHERN) LIMITED

DAILY DRILLING LOG

RIG NO. 12 LOCATION HUSKY FT 4 SINCLAIR LSD. 6 SEC. 24 TWP. ___ RGE. ___ W. ___ DATE [illegible] 1980

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

## TOUR MIDNIGHT TO 8 AM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1976 | 34 | 2010 | 11 | | | | | | | | | 12 | | 7 |

| BIT | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 8 3/4 | YMG | 3/16 1/3 | 855226 | 30 | 65 | 22 | 2 3/4 | 45 | 6 1/2 | 1 | 1050 | 65 | | | | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 11 | 11 | 11 | 11 | No. 1 | PRES. SURE | [illegible] | [illegible] | | | No. 2 | PRES. SURE | | | | | 1 | |
| VISCOSITY | [illegible] | 32 | 38 | 9 | MODEL | S.P.M. | [illegible] | [illegible] | [illegible] | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | 6 | 6 | | | LINER SIZE | | | | | 3 | |

W.L. [illegible] F.C. [illegible] pH. [illegible] DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: PLASTER 15KK GENERAL: Fuel 8.00 1.90
KELZAN XCD 5Ks Run 1" Stroke Liner
GEL 500 lbs Sawdust 18 Sacks

SURVEYS: At Feet / Degrees

Weather / Temp. / Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

REMARKS

| | TIME START | STOP | INTVL |
|---|---|---|---|
| Rig Service | 11:00 | 1:45 | 1 3/4 |
| Rig Service | 1:45 | 2:00 | 1/4 |
| Drilling 8 3/4 Hole | 2:00 | 4:45 | 2 3/4 |
| Mix [illegible] | 4:45 | 6:45 | 2 |
| [illegible] Complete | 6:45 | 8:00 | 1 1/4 |
| Returns Before Drilling Ahead. | | | |

FIRES ___ DRILLER'S SIGNATURE ___

## 8 AM TO 4 PM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2010 | 38 | 2048 | 7 | 69 | 24 | 1 | 4 / 13 | 7" / 6" | 2 1/2 | 5053 | | 5.12 | | ~~7~~ |

| BIT | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 8 3/4 | YMG | 3/16 1/3 | 855226 | 36 | 68 | 60 | 9 3/4 | 45 | 6 1/2 | 1 | 950 | 65 | | DRILLING | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 96 | 96 | 96 | 97 | No. 1 | PRES. SURE | 950 | 950 | 950 | 950 | No. 2 | PRES. SURE | | | | | 1 | |
| VISCOSITY | 37 | 37 | 38 | | MODEL | S.P.M. | 64 | | | | MODEL | S.P.M. | Mud Roll | | | | 2 | |
| GEL | | | | | | LINER SIZE | | 5 1/2 | x 14 | | | LINER SIZE | | | | | 3 | |

W.L. 9.8 F.C. 2/32 pH. 8.0 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: Caustic 50 lbs. GENERAL: STANDBY: Rig, Motors oil & 2044 ft
MAIN PUMP Motors oil Changed
FLOOR MOTORS changed oil

SURVEYS: At Feet / Degrees

Weather / Temp. / Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

REMARKS

| | TIME START | STOP | INTVL |
|---|---|---|---|
| Wait For Complete Return | 8:00 | 8:30 | 1/2 |
| Rig Service + BOP | 8:30 | 8:45 | 1/4 |
| Drilling 8 3/4 Hole | 8:45 | 2:00 | 7 |
| Survey @ 2049' | 2:00 | 2:15 | 1/4 |

FIRES ___ DRILLER'S SIGNATURE [illegible]

## 4 PM TO MIDNIGHT TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2048 | 47 | 2095 | 7 3/4 | 69 | 25 | 0 | 4 / 13 | 7" / 6" | 2 1/2 | 50530 | | 5.12 | | 16 |

| BIT | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 8 3/4 | YMG | 3/16 1/3 | 855226 | 36 | 68 | 107 | 12 | 45 | 6 1/2 | 1 | 950 | 65 | | Drilling | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.7 | 9.7 | 9.7 | 9.8 | No. 1 | PRES. SURE | 950 | 950 | 950 | 950 | No. 2 | PRES. SURE | | | | | 1 | |
| VISCOSITY | 38 | 38 | 38 | 39 | MODEL | S.P.M. | 64 | 64 | | 65 | MODEL | S.P.M. | Mud Roll | | | | 2 | |
| GEL | | | | | | LINER SIZE | | 5 1/2 | 14 | | | LINER SIZE | | | | | 3 | |

W.L. 10.2 F.C. 2/32 pH. 10.0 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

SURVEYS: At Feet / Degrees

Weather / Temp. / Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

REMARKS

| | TIME START | STOP | INTVL |
|---|---|---|---|
| Rig Service + B.O.P. | 4:00 | 4:15 | 1/4 |
| Drille 8 3/4 Hole | 4:15 | 12:00 | 7 3/4 |

FIRES ___ DRILLER'S SIGNATURE ___

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams. | | | | |
| Blind Rams. | | | | |

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

| | |
|---|---|
| Crown-o-matic Chk'd. | |
| Rig Savers Chk'd. | |
| Kelly Cock Chk'd. | |
| Fire Equip. Chk'd. | |

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ PLUG DOWN ___ A.M. P.M. ___ CEMENT RETURNS - (YES/NO) ___

GENERAL

EQUIPMENT CHANGES ___ DRILLER'S SIGNATURE ___ TRANSFER #

DAYS FROM SPUD: ___ TOTAL COMPANY TIME HRS. ___ TOTAL CONTRACTOR'S TIME HRS. ___

Approved by Operator's Representative [illegible]

Approved by Toolpusher [illegible]

CONSERVATION BOARD COPY

815

# COMMONWEALTH DRILLING (NORTHERN) LIMITED

DAILY DRILLING LOG

RIG NO. 12 LOCATION HUSKEY FT AL SIBERSON LSD. C SEC. 19 TWP. ___ RGE. ___ W. ___ DATE JAN 13 1980

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

## TOUR MIDNIGHT TO 8 AM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1966 | 16 | 1982 | 7 3/4 | 69 | 22 | 0 | 4 / 13 | 7" / 6" | 2 1/2 | 505 | 30 | 5.12 | 6.370 | 7 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 6 1/8 | ◇ | | 6586 | 12 | 110 | 39 | 21 3/4 | | | 1 | 875 | 54 | | | | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.7 | 9.7 | 9.7 | 9.7 | No. 1 | PRESSURE | 900 | 875 | 875 | 875 | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | 38 | 38 | 38 | 39 | MODEL | S.P.M. | 54 | 54 | 54 | 54 | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | 5 1/2 | x | 14 | | | LINER SIZE | | | | | 3 | |

W.L. 9.9 F.C. 2/32 pH. 8.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

SURVEYS: At Feet / Degrees — 4 — 5 — Weather — Temp. — Water — Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL. |
|---|---|---|---|
| CORING 6 1/8 HOLE. | 12 00 | 1 00 | 1 |
| RIG SERV. CHECK BOPS | 1 00 | 1 15 | 1/4 |
| CORING 6 1/8 HOLE. | 6 15 | 9 00 | 2 3/4 |

FIRES ___ DRILLER'S SIGNATURE ___

## 8 AM TO 4 PM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1982 | 6 | 1988 | 4 1/4 | 69 | 22 | 0 | 4 / 13 | 7" / 6" | 2 1/2 | 505 | 30 | 5.12 | | 7 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 6 1/8 | ◇ | | 6586 | 12 | 110 | 45 | 26 | | | 1 | 650 | 60 | | FAIR | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.8 | 9.8 | 9.8 | | No. 1 | PRESSURE | 650 | 675 | Trip | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | 36 | 36 | 40 | | MODEL | S.P.M. | 60 | 60 | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | 5 1/2 | x 14 | | | | LINER SIZE | | | | | 3 | |

W.L. 10.6 F.C. 2/32 pH. 8.0 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: Caustic 50 lbs GENERAL:
C.M.C 40 lbs.

SURVEYS: At Feet / Degrees — 4 — 5 — Weather — Temp. — Water — Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL. |
|---|---|---|---|
| CORING 6 1/8 HOLE | 9 00 | 12 15 | 4 1/4 |
| RIG SERV. CHECK BOPS | 12 15 | 12 30 | 1/4 |
| HOIST CORE BBL. | 12 30 | 2 15 | 1 3/4 |
| RECOVER CORE #1 | 2 15 | 4 00 | 1 3/4 |

FIRES ___ DRILLER'S SIGNATURE Stanley E Baker

## TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1993 | 33 | 1996 | 7 3/4 | 69 | 19 | 0 | 4 / 13 | 7" / 6" | 2 1/2 | 505 | 30 | 5.12 | | 10 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 8 3/4 | YMC | 2/2 1/13 | 855226 | 12 | 85 | | | 35 | 4 3/4 | 1 | 1050 | 65 | | REAMING | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | 10 | 10 | No. 1 | PRESSURE | | | 1050 | 1000 | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL | S.P.M. | | | 65 | 65 | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | 5 1/2 | x | 14 | | | LINER SIZE | | | | | 3 | |

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: CHROM 15 lbs GENERAL:
KELZAN XC 15#

SURVEYS: At Feet / Degrees — 4 — 5 — Weather — Temp. — Water — Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL. |
|---|---|---|---|
| RECOVER CORE | 4 00 | 4 30 | 1/2 |
| SPRUCE CORE BBL & STAND | 4 30 | | |
| BACK IN DRK. | | 5 00 | 1/2 |
| RUN IN W/ 8 3/4 BIT TO 1990 | 5 00 | 7 00 | 2 |
| REAMING RATHOLE | 7 00 | 9 00 | 2 |
| RIG SER. & LOG | 9 00 | 9 15 | 1/4 |
| REAMING RATHOLE | 9 15 | 10 00 | 3/4 |

FIRES ___ DRILLER'S SIGNATURE ___

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams. | | | | |
| Blind Rams. | | | | |

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

| | |
|---|---|
| Crown-o-matic Chk'd. | |
| Rig Savers Chk'd. | |
| Kelly Cock Chk'd | |
| Fire Equip. Chk'd. | |

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ PLUG DOWN ___ A.M. P.M.

CEMENT RETURNS - (YES/NO)

GENERAL —

EQUIPMENT CHANGES

TRANSFER #

DAYS FROM SPUD:

TOTAL COMPANY TIME HRS.

TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

CONSERVATION BOARD COPY

814

**COMMONWEALTH DRILLING (NORTHERN) LIMITED**

DAILY DRILLING LOG

RIG NO. 12 LOCATION Husky Suffield LSD. 6 SEC. 14 TWP. ___ RGE. ___ W. ___ DATE July 1990

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

## TOUR MIDNIGHT TO 8 AM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1930 | 13 | 1943 | 1 3/4 | 70 | 22 | 1 | 4 / 13 | 7 / 6 | 2 1/2 | 405.30 | | 5.12 | | 11 |

| BIT | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 8 3/4 | XII | 3/12 X 13 | 18085 | 35 | 65 | 334 | 23 3/4 | | | 1 | 950 | 65 | | 3 | 2 | I |
| 2 | 4 | 6 1/8 | DC | — | 6586 | | (B) | | | | | | | | | | | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.7 | 9.1 | | | No. 1 | PRESSURE | 950 | 950 | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | 40 | 40 | | | MODEL | S.P.M. | 65 | 65 | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | 5 1/2 | X 14 | | | | LINER SIZE | | | | | 3 | |

W.L. 9 F.C. ___ pH. 8.5 DESILTER: Hours Op: ___ U. Flow: ___ O. Flow: ___

ADDITIVES: ___ GENERAL: Measure out .25 Mile — Check Blind Rams

| SURVEYS At Feet | Degrees |
|---|---|
| 1940 | 2 3/4 |

Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or | Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| Drilling 8 3/4" Hole | 12 — | 1 45 | 1 3/4 |
| Rig Ser + B.O.P. | 1 45 | 2 00 | 1/4 |
| Cir. & Wait On Orders | 2 00 | 3 45 | 1 3/4 |
| Blow Kelly — Drop Survey | 3 45 | 4 00 | 1/4 |
| Pull Out To Core | 4 00 | 5 30 | 1 1/2 |
| Pick Up Core Bbl. | 5 30 | 7 30 | 2 |
| Run In With Core Bbl. | 7 30 | 8 00 | 1/2 |

FIRES: No ___ DRILLER'S SIGNATURE ___

## 8 AM TO 4 PM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1943 | 9 | 1952 | 6 | 69 | 21 | 1 | 4 / 13 | 7" / 6" | 2 1/2 | 405.30 | | 5.12 | 62.70 | 6' |

| BIT | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 | 6 1/8 | DC | — | 6586 | 13 | 114 | 19 | 6 | | | 1 | 950 | 53 | | DRILLING | | |
| 2 | | | | | | | | | | | | 2 | 900 | 48 | | | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | 9.8 | 9.8 | 9.8 | No. 1 | PRESSURE | | 925 | 925 | 925 | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | | 40 | 38 | 38 | MODEL | S.P.M. | | 54 | 54 | 54 | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | 5 1/2 | 15 | | | LINER SIZE | | | | | 3 | |

W.L. 10.2 F.C. 2/32 pH. 8.0 DESILTER: Hours Op: ___ U. Flow: ___ O. Flow: ___

ADDITIVES: ___ GENERAL: ___

| SURVEYS At Feet | Degrees |
|---|---|
| | |

Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or | Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| Finish In | 8 00 | 9 30 | 1 1/2 |
| Clean To Bottom | 9 30 | 10 00 | 1/2 |
| Coring 6 1/8 Hole | 10 00 | 4 00 | 6 |

FIRES: ___ DRILLER'S SIGNATURE ___

## TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1952 | 14 | 1966 | 8 | 69 | 23 | — | 4 / 13 | 7 / 6 | 2 1/2 | 405.30 | | 5.12 | 62.70 | 9.3 |

| BIT | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 | 6 1/8 | DC | — | 6586 | 12 | 110 | 23 | 14 | — | — | 1 | 900 | 54 | | Coring | | |
| 2 | | | | | | | | | | | | | | | | | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.8 | | 9.8 | 9.8 | No. 1 | PRESSURE | 900 | 900 | 900 | 900 | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | 37 | | 37 | 37 | MODEL | S.P.M. | 54 | 54 | 54 | 54 | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | 5 1/2 | X 14 | | | | LINER SIZE | | | | | 3 | |

W.L. ___ F.C. ___ pH. 8.5 DESILTER: Hours Op: ___ U. Flow: ___ O. Flow: ___

ADDITIVES: ___ GENERAL: ___

| SURVEYS At Feet | Degrees |
|---|---|
| | |

Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or | Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| Coring 6 1/8" Hole | 4 00 | 12 — | 8 |

FIRES: ___ DRILLER'S SIGNATURE ___

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams. | | | | |
| Blind Rams | | | | |

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

| | |
|---|---|
| Crown-o-matic Chk'd. | |
| Rig Savers Chk'd. | |
| Kelly Cock Chk'd. | |
| Fire Equip. Chk'd. | |

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ PLUG DOWN ___ A.M. P.M. ___ CEMENT RETURNS - (YES/NO) ___

GENERAL ___

EQUIPMENT CHANGES ___ TRANSFER # ___

DAYS FROM SPUD: ___

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative: [signature]

Approved by Toolpusher: [signature]

CONSERVATION BOARD COPY

812

**COMMONWEALTH DRILLING (NORTHERN) LIMITED**

DAILY DRILLING LOG

RIG NO. 12 LOCATION Hanna Sheerwood LSD. 6 SEC. 11 TWP. ___ RGE. ___ W. ___ DATE Feb. 11 1980

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

## TOUR MIDNIGHT TO 8 AM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1609 | 90 | 1699 | 6¼ | 70 | 18 | 1 | 13 | 7 | 2¼ | 505.30 | | 5.12 | | 7 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 8¾ | XV | 11-11-13 | 18085 | 12 | 65 | 90 | 6¾ | | | 1 | 900 | 65 | | Drilling | 8 | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.7 | 9.7 | 9.7 | | No. 1 | PRESSURE | | 900 | 900 | 900 | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | 45 | 45 | 45 | | MODEL | S.P.M. | | 65 | 65 | 65 | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | 5½ x 14 | | | | LINER SIZE | | | | | 3 | |

W.L. 9.6 F.C. 2 pH. 8.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL: Fuel In Day Tank 8

SURVEYS: At Feet 1620 Degrees 2¼ — 4 — 5

Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| Fuel [illegible] | [illegible] | [illegible] | [illegible] |
| Trip Out [illegible] | [illegible] | [illegible] | ½ |
| Rig Service & [illegible] | [illegible] | [illegible] | ¼ |
| Drilling 8¾ Hole | 1 20 | 5 45 | 4¾ |
| Survey @ 1620' 2¼° | 5 45 | 6 20 | ½ |
| Drilling 8¾ Hole | 6 20 | 8 00 | 2 |

FIRES: [illegible] DRILLER'S SIGNATURE: [illegible]

## 8 AM TO 4 PM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1699 | 120 | 1819 | 7¾ | 70 | 20 | 1 | 13 | 7 | 2¼ | 505.30 | | 5.12 | | 12 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 8¾ | XV | 11-11-13 | 18085 | 30 | 65 | 210 | 14½ | | | 1 | 950 | 65 | | Drilling | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.8 | 9.7 | 9.8 | 9.8 | No. 1 | PRESSURE | 900 | 900 | 950 | 950 | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | 48 | 48 | 48 | 48 | MODEL | S.P.M. | 64 | 64 | 64 | 64 | MODEL | S.P.M. | Mud Roll | | | | 2 | |
| GEL | | | | | | LINER SIZE | 5½ x 14 | | | | | LINER SIZE | | | | | 3 | |

W.L. 9.2 F.C. 2/32 pH. 8.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: Caustic - 50 lbs. GENERAL:

SURVEYS: At Feet Degrees — 4 — 5

Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| DRILLING 8¾" HOLE | 8:00 | 8:30 | ½ |
| Rig SERVICE + B.O.P.s | 8:30 | 8:45 | ¼ |
| DRILLING 8¾" HOLE | 8:45 | 4:00 | 7¼ |

FIRES: [illegible] DRILLER'S SIGNATURE: [illegible]

## TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1819 | 111 | 1930 | 22 | 70 | 18 | 1 | 13 | 7 | 2¼ | 505.30 | | 5.12 | | 14 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 8¾ | XV | 11-11-13 | 18085 | 30 | 65 | 321 | 22 | | | 1 | 950 | 65 | | Drilling | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.8 | 9.8 | 9.7 | | No. 1 | PRESSURE | 950 | 950 | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | 58 | 58 | | | MODEL | S.P.M. | 64 | 64 | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | 5½ x 14 | | | | | LINER SIZE | | | | | 3 | |

W.L. 9.6 F.C. pH. 8.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

SURVEYS: At Feet 1920 Degrees 1 — 4 — 5

Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| DRILLING 8¾" HOLE | 4:00 | 5:00 | 1 |
| Rig Service & B.O.P. | 5:00 | 5:15 | ¼ |
| DRILLING 8¾" HOLE | 5:15 | 7:30 | 2¼ |
| Survey @ 1960' | 7:30 | 7:45 | ¼ |
| DRILLING 8¾" HOLE | 7:45 | 12:00 | 4¼ |

FIRES: DRILLER'S SIGNATURE:

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams | | | | |
| Blind Rams | | | | |

TOTCO RING ON BIT # ___ Boiler Operated 24 Hrs

Crown-o-matic Chk'd. ___ Rig Savers Chk'd ___ Kelly Cock Chk'd ___ Fire Equip Chk'd ___

Fuel on Hand 12.01 a.m. ___ gals.
Fuel Rec'd Today (add) ___ gals.
TOTAL ___ gals.
Fuel on Hand 11:59 p.m. (deduct) ___ gals.
FUEL USED ___ gals.

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ PLUG DOWN ___ A.M. P.M. CEMENT RETURNS - (YES NO)

GENERAL

EQUIPMENT CHANGES

TRANSFER #

DAYS FROM SPUD:

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative: [illegible]

Approved by Toolpusher: [illegible]

CONSERVATION BOARD COPY

811

**COMMONWEALTH DRILLING (NORTHERN) LIMITED**

DAILY DRILLING LOG

RIG NO. 12 LOCATION Husky Silberton LSD. C SEC. 21 TWP. RGE. W. DATE Jan 10 1980

DIRECTIONS TO WELL MAILING POINT SHIPPING POINT MILES MOVED ROAD CONDITIONS

## TOUR MIDNIGHT TO 8 AM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1390 | 165 | 1555 | 7 | 42. | 16 | — | 4 14 | 7 6 | 2 2 | 533.64 | 51.6 | | | 23 |

| BITS No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 8¾ | YTIA | 3/12 | 364070 | 12 | 90 | 190 | 8 | | | 1 | 1050 | 65 | | 0 | 1 | 2 |

| MUD | 12 mn | 2 a.m. | 4 a.m. | 6 a.m. | PUMP No. 1 | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP No. 2 | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.4 | 9.7 | 9.6 | 9.6 | PRESSURE | 1050 | 1050 | 1050 | 1050 | PRESSURE | | | | | 1 | |
| VISCOSITY | 35 | 35 | 35 | 35 | MODEL | | | | | MODEL | | | | | 2 | |
| GEL | | | | | S.P.M. | | 65 | 65 | 65 | S.P.M. | | | | | 3 | |
| | | | | | LINER SIZE | 14 | × | 14 | | LINER SIZE | | | | | 4 | |
| | | | | | | | | | | | | | | | 5 | |

W.L. 13 F.C. pH. 7 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: KELZAN 50 lbs GENERAL:
CHROM 30 lbs
QMC 50 lbs

SURVEYS: At Feet 1470 Degrees ½; 1490 1½

Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1555 | 54 | 1609 | 7 | 42 | 17 | — | 4 – 14 | 7" 6" | 2½ 2 | 533.64 | 51.6 | | | |

| BITS No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 8¾ | YTIA | 3/12 | 364070 | 10 | 90 | 255 | 15 | | | 1 | 900 | 65 | | | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP No. 1 | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP No. 2 | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.7 | 9.7 | 9.7 | 9.7 | PRESSURE | 900 | 900 | 900 | 900 | PRESSURE | | | | | 1 | |
| VISCOSITY | 37 | 40 | 45 | 45 | MODEL | 64 | 64 | 64 | 64 | MODEL | | | | | 2 | |
| GEL | | | | | S.P.M. | | | | | S.P.M. | | | | | 3 | |
| | | | | | LINER SIZE | 8½ | × 14 | | | LINER SIZE | | | | | 4 | |
| | | | | | | | | | | | | | | | 5 | |

W.L. 96 F.C. 2/32 pH. 8.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GEL - 1800 lbs GENERAL:

SURVEYS: At Feet 1574 Degrees 3°; 1609 2¾

Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

## TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1609 | | | | 42. | 17 | | 4 13 | 7 6 | 2 2 | 505.10 | | 5.12 | | |

| BITS No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 8¾ | YTIA | 3/12 | 364070 | 10 | 90 | 334 | 15 | | | 1 | 1000 | 65 | | 4 | 5 | 1 |
| 3 | 8¾ | XV | 2/12 | | | | | | | | | | | | | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP No. 1 | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP No. 2 | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | Trip | | | | PRESSURE | | | | | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL | | | | | MODEL | | | | | 2 | |
| GEL | | | | | S.P.M. | | | | | S.P.M. | | | | | 3 | |
| | | | | | LINER SIZE | | | | | LINER SIZE | | | | | 4 | |
| | | | | | | | | | | | | | | | 5 | |

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

SURVEYS: At Feet Degrees

Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydrill | | | | |
| Pipe Rams | | | | |
| Blind Rams | | | | |

TOTCO RING ON BIT # Boiler Operated 24 Hrs.

Crown-o-matic Chk'd. Rig Savers Chk'd. Kelly Cock Chk'd. Fire Equip. Chk'd.

Fuel on Hand 12.01 a.m. gals.
Fuel Rec'd Today (add) gals.
TOTAL gals.
Fuel on Hand 11.59 p.m. (deduct) gals.
FUEL USED gals.

CASING REPORT RAN JTS CSG TO KB. USED SAX CEM PLUS PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES NO)

GENERAL

EQUIPMENT CHANGES

TRANSFER #

DAYS FROM SPUD

TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| Drilling 8¾ Hole | | 1 15 | ¾ |
| Rig Service & B.O.P. | 1 15 | 1 30 | ¼ |
| Drilling 8¾ Hole | 1 30 | 2 30 | 1 |
| Survey @ 1450 m | 2 30 | 2 45 | ¼ |
| Drilling 8¾ Hole | 2 45 | 3 30 | ¾ |
| Survey @ 1490 m | 3 30 | 3 45 | ¼ |
| Drilling 8¾ Hole | 3 45 | 8 00 | 4¼ |

FIRES DRILLER'S SIGNATURE

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| Drilling 8¾ Hole | 8 00 | 10 00 | 2 |
| Survey 1574 | 10 00 | 10 30 | ½ |
| Rig Service + B.O.P. | 10 30 | 10 45 | ¼ |
| Drilling 8¾ Hole | 10 45 | 3 30 | 3¼ |
| Survey @ 1609 | 3 30 | 3 45 | ¼ |
| Trip Out To Collar | 3 45 | 4 00 | ¼ |

FIRES DRILLER'S SIGNATURE

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| Tripping | [illegible] | [illegible] | [illegible] |
| Checking Drill Collars | 4 30 | 10 30 | 6 |
| Run in with Bit # 3 | 10 30 | 11 45 | 1¼ |
| Check Kelly | 11 45 | 12 00 | ¼ |

4 HRS FOR INSPECTING DRILL COLLARS. ON LAST TRIP.

FIRES DRILLER'S SIGNATURE

CONSERVATION BOARD COPY

810

# COMMONWEALTH DRILLING (NORTHERN) LIMITED

## DAILY DRILLING LOG

RIG NO. 12 LOCATION Husky Sibbald LSD. 6 SEC. 29 TWP. ___ RGE. ___ W. ___ DATE JAN. 9 1980

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

### TOUR MIDNIGHT TO 8 AM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles |
|---|---|---|---|---|---|---|
| 643 | 247 | 890 | 7 | 39 | 5 | 1 |

| DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|
| | 4 | 6 | 2½ | 533 | 68 | 516 | | 41 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 8¾ | VTIA | 3-12 | E27166 | 15 | 75 | 465 | 13¾ | | | 1 | 1000 | 65 | | 0 | 0 | 1 |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. |
|---|---|---|---|---|
| WEIGHT | 8.7 | 8.7 | [illegible] | [illegible] |
| VISCOSITY | 32 | 30 | [illegible] | [illegible] |
| GEL | | | | |

W.L. F.C. pH. 9.5

| PUMP | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. |
|---|---|---|---|---|
| No. 1 PRESSURE | 1100 | 1000 | [illegible] | [illegible] |
| MODEL S.P.M. | 65 | 65 | [illegible] | [illegible] |
| LINER SIZE | 5½ x 14 | | | |

| PUMP | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. |
|---|---|---|---|---|
| No. 2 PRESSURE | | | | |
| MODEL S.P.M. | | | | |
| LINER SIZE | | | | |

MOTOR HOURS 1 2 3 4 5 — Next Oil Change

DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: CHROM 50 lb. GENERAL:
[illegible] of PANS 50 lbs
MAL 800 lbs

SURVEYS: At Feet / Degrees — 2[illegible] 7[illegible]; 929 3¾

Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

REMARKS

| | TIME START | TIME STOP | INTVL |
|---|---|---|---|
| Drilling 8¾ Hole | 12:00 | 12:45 | ¾ |
| Rig Service & BOPs | 12:45 | 1:00 | ¼ |
| Drilling 8¾ Hole | 1:00 | 4:00 | 3¾ |
| Survey @ 929' ¾° | 4:25 | 5:00 | ¼ |
| Drilling 8¾ Hole | 5:00 | 8:00 | 3 |

FIRES ___ DRILLER'S SIGNATURE ___

### 8 AM TO 4 PM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles |
|---|---|---|---|---|---|---|
| 890 | 390 | 1280 | 7 | 40 | 11 | 1 |

| DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|
| | 4 | 7 | 2½ | 533 | 68 | 516 | | 41 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 8¾ | VTIA | 3-12 | E27166 | 20 | 80-90 | 455 | 20¼ | | | 1 | 1000 | 65 | | DRILLING | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. |
|---|---|---|---|---|
| WEIGHT | 8.7 | 8.8 | 8.9 | 8.9 |
| VISCOSITY | 34 | 33 | 32 | 37 |
| GEL | | | | |

W.L. F.C. pH.

| PUMP | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. |
|---|---|---|---|---|
| No. 1 PRESSURE | 1000 | 1000 | 1050 | 1050 |
| MODEL S.P.M. | 65 | 65 | 64 | 64 |
| LINER SIZE | 5½ x 14 | | | |

| PUMP | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. |
|---|---|---|---|---|
| No. 2 PRESSURE | [illegible] | [illegible] | [illegible] | |
| MODEL S.P.M. | | | | |
| LINER SIZE | 5½ x [illegible] | | | |

MOTOR HOURS 1 2 3 4 5 — Next Oil Change

DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: Dowcide "B" - 100 lbs. GENERAL:
Kelzan XC - 50 lbs.
Cleaned Slaker Tank

SURVEYS: At Feet / Degrees — 1040 ¾; 1230 2°; 1260 1½

Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

REMARKS

| | TIME START | TIME STOP | INTVL |
|---|---|---|---|
| Drilling 8¾ Hole | 8:00 | 3:30 | 7½ |
| Rig Service & Check BOPs | 3:30 | 4:00 | ½ |
| Drilling 8¾ Hole | 4:00 | 10:30 | 6½ |
| Survey 1040 - ¾° | 11:30 | 11:45 | ¼ |
| Drilling 8¾ Hole | 11:45 | 3:00 | 3¼ |
| Survey [illegible] 1230 - 2° | 3:00 | 3:15 | ¼ |
| Drilling 8¾ Hole | 3:15 | 3:45 | ½ |
| Survey @ 1260 - 1½° | 3:45 | 4:00 | ¼ |

FIRES ___ DRILLER'S SIGNATURE ___

### TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles |
|---|---|---|---|---|---|---|
| 1280 | 110 | 1390 | 5½ | 40 | 13 | 1 |

| DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|
| | 4 | 7 | 2½ | 533 | 68 | 516 | | 31 |

| BITS | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 8¾ | VTIA | 3-11 | E27166 | 20 | 90 | 952 | 23¾ | | | 1 | 1050 | 65 | | 3 | 4 | 1 |
| | 2 | 8¾ | VTIA | 3-12 | 364070 | 15 | 120 | 15 | 2¼ | | | | | | | | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. |
|---|---|---|---|---|
| WEIGHT | 9.0 | 8.9 | | |
| VISCOSITY | 35 | 34 | | |
| GEL | | | | |

W.L. F.C. pH.

| PUMP | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. |
|---|---|---|---|---|
| No. 1 PRESSURE | 1050 | 1050 | | |
| MODEL S.P.M. | 64 | 64 | | |
| LINER SIZE | 5½ x 14 | | | |

| PUMP | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. |
|---|---|---|---|---|
| No. 2 PRESSURE | | | | |
| MODEL S.P.M. | | | | |
| LINER SIZE | | | | |

MOTOR HOURS 1 2 3 4 5 — Next Oil Change

DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

SURVEYS: At Feet / Degrees — 1361 2°

Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

REMARKS

| | TIME START | TIME STOP | INTVL |
|---|---|---|---|
| Rig Service & Check BOPs | 4:00 | 4:15 | ¼ |
| Drilling | 4:15 | 6:30 | 2¼ |
| Survey | 6:30 | 7:00 | ½ |
| Drilling | 7:00 | 7:30 | ½ |
| START TRIP @ 11:00 | 7:30 | 8:00 | ½ |
| Finish Trip (H.L. Tight) | 8:00 | 11:00 | 3 |
| Pick up Kelly & Break Circ. | 11:00 | 11:15 | ¼ |
| Drilling 8¾ Hole | 11:15 | 12:00 | ¾ |

FIRES ___ DRILLER'S SIGNATURE ___

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydrill | | | | |
| Pipe Ramr. | | | | |
| Blind Rams | | | | |

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

| | |
|---|---|
| Crown-o-matic Chk'd. | |
| Rig Savers Chk'd. | |
| Kelly Cock Chk'd. | |
| Fire Equip. Chk'd. | |

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ PLUG DOWN ___ A.M. P.M. ___

CEMENT RETURNS - (YES NO)

GENERAL

EQUIPMENT CHANGES ___ TRANSFER # ___

DAYS FROM SPUD: ___

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative ___

Approved by Toolpusher [signature]

CONSERVATION BOARD COPY

809

**COMMONWEALTH DRILLING (NORTHERN) LIMITED**

DAILY DRILLING LOG

RIG NO. 12 LOCATION Husky Sibbeston LSD. G SEC. 69 TWP. ___ RGE. ___ W. ___ DATE JAN 8 19

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

## TOUR MIDNIGHT TO 8 AM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles |
|---|---|---|---|---|---|---|
| 4/25 | | | | | | |

| DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|
| | 4 | 7" | 2 1/2 | 324 | 1.81 | | | |
| | 8 | 6" | | | | | | |

| BIT | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 8¾ | VTIA | 3-11 | F2766 | | | | | | | | | | | | | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | | No. 1 PRESSURE | | | | | No. 2 PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL S.P.M. | | | | | MODEL S.P.M. | | | | | 2 | |
| GEL | | | | | LINER SIZE | | | | | LINER SIZE | | | | | 3 | |
| | | | | | | | | | | | | | | | 4 | |
| | | | | | | | | | | | | | | | 5 | |

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

SURVEYS: At Feet / Degrees

ADDITIVES: GENERAL:

Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| REMARKS | TIME START | TIME STOP | INT. |
|---|---|---|---|
| Finish Nippling up. | 12 00 | 1 00 | 1 |
| Pressure Test Blind Rams. | 1 00 | | |
| Bowl Not Holding | | 2 00 | 1 |
| Back off Bowl & Retighten | 2 00 | 6 00 | 4 |
| Pressure Test Blind Rams | 6 00 | | |
| 1000 P.S.I. OK. | | 6 30 | 1/2 |
| Running in Hole | 6 30 | 8 00 | 1 1/2 |
| FIRES | DRILLER'S SIGNATURE | | |

## 8 AM TOUR 4 PM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles |
|---|---|---|---|---|---|---|
| 4/25 | | | | | | |

| DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

| BIT | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 8¾ | VTIA | 3-11 | F2766 | | | | | | | | | | | | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | | No. 1 PRESSURE | | | | | No. 2 PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL S.P.M. | | | | | MODEL S.P.M. | | | | | 2 | |
| GEL | | | | | LINER SIZE | | | | | LINER SIZE | | | | | 3 | |
| | | | | | | | | | | | | | | | 4 | |
| | | | | | | | | | | | | | | | 5 | |

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

SURVEYS: At Feet / Degrees

ADDITIVES: GENERAL: K.B. To Ground 12.10
K.B. To Casing Bowl 10.20

Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| REMARKS | TIME START | TIME STOP | INT. |
|---|---|---|---|
| Finish in Hole. | 8 00 | 8 30 | 1/2 |
| Pressure Test pipe Rams | 8 30 | | |
| 1000 P.S.I OK | | 8 45 | 1/4 |
| Pressure Test Hydril 1000 PSI | 8 45 | 9 00 | 1/4 |
| Pressure Test Kelly Cock | 9 00 | 9 45 | 3/4 |
| Drill Mouse Hole. | 9 45 | 12 45 | 3 |
| Check Motor Shut offs OK. | 12 40 | 12 55 | 1/4 |
| Drilling Out Plug Float | 12 55 | | |
| Cement & Shoe. | | 4 00 | 3 1/4 |
| FIRES | DRILLER'S SIGNATURE | | |

## 4 PM TO MIDNIGHT TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles |
|---|---|---|---|---|---|---|
| 4/25 | 19 | 43 | 5 3/4 | 39 | | 1 |

| DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|
| | 4 | 6 | 2 | 338.16 | 5.16 | | | 0 |

| BIT | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 8¾ | VTIA | 3-11 | F2766 | 15 | 75 | 218 | 5 3/4 | | | 1 | 1000 | 66 | | Drilling | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 8.4 | 8.4 | 8.8 | 8.8 | No. 1 PRESSURE | | | 1000 | 1000 | No. 2 PRESSURE | | | | | 1 | |
| VISCOSITY | 28 | 28 | 35 | 35 | MODEL S.P.M. | | | 65 | 65 | MODEL S.P.M. | | | | | 2 | |
| GEL | | | | | LINER SIZE | | | | | LINER SIZE | | | | | 3 | |
| | | | | | | | | | | | | | | | 4 | |
| | | | | | | | | | | | | | | | 5 | |

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

SURVEYS: At Feet 611 / Degrees 1 1/2

ADDITIVES: Bicarb - 200 lbs GENERAL:
Red Zan XC - 150 lbs

Weather Temp. Water Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| REMARKS | TIME START | TIME STOP | INT. |
|---|---|---|---|
| Drilling out Cement | 4 00 | 5 30 | 1 1/2 |
| Dump & Clean Section Drilled | | | |
| hole | 5 30 | 6 00 | 1/2 |
| Drilling 8¾ hole | 6 00 | 11 00 | 5 |
| Survey @ 611' 1 | 11 00 | 11 15 | 1/4 |
| Drilling | 11 15 | 12 00 | 3/4 |
| FIRES | DRILLER'S SIGNATURE | | |

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams. | | | | |
| Blind Rams. | | | | |

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

| | |
|---|---|
| Crown-o-matic Chk'd. | |
| Rig Savers Chk'd. | |
| Kelly Cock Chk'd. | |
| Fire Equip. Chk'd. | |

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB USED ___ SAX ___ CEM ___ PLUS ___ PLUG DOWN ___ A.M. P.M.

CEMENT RETURNS - (YES/NO)

GENERAL

EQUIPMENT CHANGES

TRANSFER #

DAYS FROM SPUD:

TOTAL COMPANY TIME HRS.

TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

CONSERVATION BOARD COPY

808

**COMMONWEALTH DRILLING (NORTHERN) LIMITED**

**DAILY DRILLING LOG**

RIG NO. 12 LOCATION Husky et al Simonton G-69, 62° O) 122° 30 LSD. SEC. TWP. RGE. W. DATE Jan 7 1970

DIRECTIONS TO WELL MAILING POINT SHIPPING POINT MILES MOVED ROAD CONDITIONS

## TOUR MIDNIGHT TO 8 AM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 4 | 8 | | 6731 | | | | |

| BIT | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | | No. 1 | PRESSURE | | | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

SURVEYS: At Feet / Degrees — 4 — 5

ADDITIVES: GENERAL:

Weather Water Temp. Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

## TOUR 8 AM TO 4 PM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |

| BIT | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | | No. 1 | PRESSURE | | | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

SURVEYS: At Feet / Degrees — 4 — 5

ADDITIVES: GENERAL:

Weather Water Temp. Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

## TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |

| BIT | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | | No. 1 | PRESSURE | | | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. F.C pH. DESILTER: Hours Op: U. Flow: O. Flow:

SURVEYS: At Feet / Degrees — 4 — 5

ADDITIVES: GENERAL:

Weather Water Temp. Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams. | | | | |
| Blind Rams. | | | | |

TOTCO RING ON BIT # Boiler Operated: 24 Hrs.

| | |
|---|---|
| Crown-o-matic Chk'd. | |
| Rig Savers Chk'd. | |
| Kelly Cock Chk'd. | |
| Fire Equip. Chk'd. | |

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

**CASING REPORT**

RAN JTS CSG

TO KB. USED SAX CEM

PLUS % PLUG DOWN A.M. P.M.

CEMENT RETURNS - (YES/NO)

**GENERAL**

| REMARKS | TIME START | TIME STOP | INTVL |
|---|---|---|---|
| Cementing | 12:00 | 1:00 | 1 |
| N.U. | 1:00 | 8:00 | 7 |
| | | | |
| | | | |
| | | |

**COMMONWEALTH DRILLING (NORTHERN) LIMITED**

**DAILY DRILLING LOG**

RIG NO. 12 LOCATION Husky et al Sillstow G-69. 62°00' 122° 30' LSD. SEC. TWP. RGE. W. DATE Jan 6 1970

DIRECTIONS TO WELL MAILING POINT SHIPPING POINT MILES MOVED ROAD CONDITIONS

## TOUR MIDNIGHT TO 8 AM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 355 | 24 | 379 | 5½ | 32. | | | 4 | 8 | 2½ | 384 | 21 | 12.11 | | 27. |

| Bit No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4A | 13¾ | OSC3 | Con | 16614 | 20 | 80 | | | 140 | 204 | 1 | 250 | 66 | | 3 | 1 | I |
| 5A | 8¾ | VSIR | Con | T13367 | 20 | 70 | 4 | 3 | | | | | | | 0 | 1/16 | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | 9.7 | No. 1 | PRESSURE | | | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | 50 | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL: Tally O.K. 32

| SURVEYS At Feet | Degrees |
|---|---|
| 379 | ¼ |

Weather Water Temp. Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

## 8 AM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 379 | 41 | 420 | 7¼ | 33 | | | 4 | 7 | 2½ | 384 | 21 | 12.11 | | 13.50 |

| Bit No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5A | 8¾ | VSIR | Con | T13367 | 22 | 60 | 7¾ | 7¾ | | | 1 | 200 | 65 | | | | |
| | | | | | | | 45 | 3¾ | | | | | | | | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.7 | 9.7 | 9.7 | 9.7 | No. 1 | PRESSURE | | | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | 45 | 55 | 52 | 50 | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

| SURVEYS At Feet | Degrees |
|---|---|
| | |

Weather Water Temp. Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

## 4 PM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 420 | 5 | 425 | ¼ | 33 | | | 4 | 7 | 2½ | 384 | 21 | 12.11 | | 15.50 |

| Bit No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5A | 8¾ | VSIR | Con. | T13367 | 22 | 60 | 7¾ | 7¾ | | | 1 | 250 | 65 | | | | |
| | | | | | | | 50 | | | | | | | | | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.7 | | | | No. 1 | PRESSURE | | | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | 75 | | | | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL: RAN 13 JTS 9⅝" - JS-8 Rd - STC RANGE III
H06.31 W/ GUIDE SHOE - PLUS LANDING JT - 28.32 LANDED @ 417 KB
CEMENTED W/ 300 SKS NORMAL PORTLAND PLUS 2% CaCl₂

| SURVEYS At Feet | Degrees |
|---|---|
| RUNNING CASING | |
| @ 417 KB | |

Weather Water Temp. Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SSUPPY | | WT of | 15.6 | - | 15.1 | CUMENT | RETURNS | 15 BBLS | | | |

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | STACK | 6 | 415 | |
| Pipe Rams. | Pipe | | 1000 PSI | |
| Blind Rams. | Blind | | 45 PSI | |

TOTCO RING ON BIT # START CIR. Boiler Operated. 12 Hrs. 401 Hrs. 2 Boiler

| Crown-o-matic Chk'd. | |
|---|---|
| Rig Savers Chk'd. | |
| Kelly Cock Chk'd. | |
| Pipe Equip. Chk'd. | |

| | | |
|---|---|---|
| Fuel on Hand 12.01 a.m. | gals. | |
| Fuel Rec'd Today (add) | gals. | |
| TOTAL | gals. | |
| Fuel on Hand 11.59 p.m. (deduct) | gals. | |
| FUEL USED | gals. | |

**CASING REPORT** RAN 13 JTS 9⅝ CSG TO 417 KB. USED 300 SAX NormBlEM PLUS 2 % CaC. PLUG DOWN 1.00 A.M. 69 CEMENT RETURNS - (YES NO) YES

**GENERAL**

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| Drilling 12¼ Hole | 12 00 | 2 00 | 2 |
| Work on Hole Measuring | 2 00 | 2 20 | ½ |
| Drilling 12¼ Hole | 2 20 | 5 00 | 2½ |
| Blow Kelly Measure Out | 5 00 | | |
| Pick up Stiff Reamer | | | |
| Run In Drill Space | | 6 45 | 1¾ |
| Drilling 12¼ Hole | 6 45 | 7 45 | 1 |
| Survey @ 379 ¼° | 7 45 | 8 00 | ¼ |
| FIRES | | | |
| DRILLER'S SIGNATURE | | | |
| Drilling 12¼ Hole | 8 00 | 1 30 | 5½ |
| Survey @ | 1 30 | 1 40 | ¼ |
| Drilling 12¼ Hole | 1 40 | 4 00 | 2¼ |
| FIRES | | | |
| DRILLER'S SIGNATURE | | | |
| Drilling 12¼ | 4 00 | 5 00 | 1 |
| Circ. to Run Casing | 5 00 | 5 45 | ¾ |
| Pull out Blow Kelly | 5 45 | 7 00 | 1¼ |
| Rig up to Run Casing | | 8 00 | 1 |
| Run Casing | 8 00 | 10 30 | 2½ |
| Rig to Cement & Cementing | 10 30 | 12 00 | 1½ |
| FIRES | | | |
| DRILLER'S SIGNATURE | | | |

EQUIPMENT CHANGES TRANSFER #

DAYS FROM SPUD:

TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

CONSERVATION BOARD COPY

005

**COMMONWEALTH DRILLING (NORTHERN) LIMITED**
**DAILY DRILLING LOG**

RIG NO. 12 LOCATION Husky et al Suberton LSD. 0-69 62° 00' 122° 30 SEC. ___ TWP. ___ RGE. ___ W. ___ DATE JAN. 5 1970

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

## TOUR MIDNIGHT TO 8 AM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 331 | 375 | 44' | 4 | | | | | | | | | | | 36 |

| Bit No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3B | 9 5/8 | OWD | 3/4 | 12 | 15199 | 20 | 80 | 190 | 12 | | 1 | 1120 | | | 5 | 4 | T |
| 4A | 13 3/4 | OSC3 | Con | | 16614 | 5 | 60 | | 24 | 10 | 2 4 7 | 250 | | | 8 | N | B |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | 90 | No. 1 | PRESSURE | 1150 | 1150 | 1150 | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | 50 | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. ___ F.C. ___ pH. ___ DESILTER: Hours Op: ___ U. Flow: ___ O. Flow: ___

ADDITIVES: Gel 1200 # GENERAL: Caustic 2 #

| SURVEYS At Feet | Degrees |
|---|---|
| 47 | 0° |

4 ___ 5 ___ Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 403 | 85 | 290 | 6 1/4 | | | | 4 / 5 | 7 / 6 | 2 1/2 / 2 1/2 | 240 | 47 | 8.56 | | 41.52 |

| Bit No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4A | 13 3/4 | OSC3 | Con | 16614 | 20 | 90 | [illegible] | [illegible] | [illegible] | 5 1/4 | 1 | 250 | 60 | | | | |
| T | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 92 | 93 | 9.4 | 9.5 | No. 1 | PRESSURE | — | — | — | — | No. 2 | PRESSURE | | | | | 1 290 - 10 | |
| VISCOSITY | 55 | 53 | 52 | 50 | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 3 38 - 5 1/4 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. ___ F.C. ___ pH. ___ DESILTER: Hours Op: ___ U. Flow: ___ O. Flow: ___

ADDITIVES: ___ GENERAL: ___

| SURVEYS At Feet | Degrees |
|---|---|
| 200 | 1/4° |
| 230 | 1 1/2° |
| 260 | 1/4 |

4 ___ 5 ___ Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

## TOUR 4 PM TO MIDNIGHT

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 290 | 65 | 355 | 7 1/4 | 30 | | | 4 / 7 | 7 / 6 | 2 1/2 | 526.24 | | 8.96 | | 34 |

| Bit No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4A | 13 3/4 | OSC3 | Con | 16614 | 20 | 90 | 4 | 9 | 170 | 15 3/4 | 1 | 250 | 65 | | Reamed | | |
| T | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | 9.5 | 9.6 | 9.6 | 9.6 | No. 1 | PRESSURE | | | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | 50 | 55 | 55 | 55 | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | L-20 | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. ___ F.C. ___ pH. ___ DESILTER: Hours Op: ___ U. Flow: ___ O. Flow: ___

ADDITIVES: ___ GENERAL: ___

| SURVEYS At Feet | Degrees |
|---|---|
| 318 | 1/4° |

4 ___ 5 ___ Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams. | | | | |
| Blind Rams. | | | | |

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. ___ Rig Savers Chk'd. ___ Kelly Cock Chk'd. ___ Fire Equip. Chk'd. ___

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % ___ PLUG DOWN ___ A.M. P.M. ___ CEMENT RETURNS - (YES/NO) ___

GENERAL

| REMARKS | TIME START | STOP | INTVL |
|---|---|---|---|
| Drilling 8 3/4 Hole | 12 00 | 1 00 | 1 |
| Survey @ 47' 0° | 1 00 | 1 15 | 1/4 |
| Drilling 8 3/4 Hole | 1 15 | 4 15 | 2 1/2 |
| Hoist To Ream Blow | 4 15 | | |
| Kelly & Run In With 13 3/4 Bit | | 5 45 | 1 1/2 |
| Reaming 13 3/4 Hole | 5 45 | 8 00 | 2 1/4 |
| FIRES: NO | DRILLER'S SIGNATURE | | |
| Reaming 13 3/4 Hole | 8 00 | 10 | 2 |
| Survey @ 200', [illegible] | 10 00 | | |
| Pick Up 12" Hole Opener [illegible] | | | |
| [illegible] | | 11 00 | 3/4 |
| Drilling 13 3/4 Hole | 11 00 | 12 30 | 1 1/2 |
| Survey @ 230' | 12 30 | 12 45 | 1/4 |
| Drilling 13 3/4 Hole | 12 45 | 3 15 | 1 1/2 |
| Ream [illegible] | 3 | 3 45 | 1/2 |
| Drill [illegible] Survey | | 3 45 | 1/2 |
| Drilling | 3 45 | 3.45 | 1 |
| FIRES: SURVEY | DRILLER'S SIGNATURE | | |
| Rig Service | 4 00 | 4 15 | 1/4 |
| Drilling 13 3/4" | 4 15 | 6 30 | 2 1/4 |
| Ream @ 350' - 3/4° | 6 30 | 6 45 | 1/4 |
| Drilling 13 3/4" | 6 45 | 10 12 | 3 1/2 |
| Survey @ 348 1/4° | 10 12 | 10 30 | 1/4 |
| Drilling 13 3/4" Hole | 10 30 | 12 00 | 1 1/2 |
| FIRES | DRILLER'S SIGNATURE | | |

EQUIPMENT CHANGES ___ TRANSFER # ___

DAYS FROM SPUD: ___ TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative: [signature]

Approved by Toolpusher: [signature]

CONSERVATION BOARD COPY

804

# COMMONWEALTH DRILLING (NORTHERN) LIMITED

DAILY DRILLING LOG

RIG NO. 12 LOCATION Hucknall Superstar LSD. 64 SEC. 22 TWP. 00 RGE. 12 W. 30 DATE Jan. 4 1970

DIRECTIONS TO WELL ____ MAILING POINT ____ SHIPPING POINT ____ MILES MOVED ____ ROAD CONDITIONS ____

## TOUR MIDNIGHT TO 8 AM

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles |
|---|---|---|---|---|---|---|
| 105 | 71 | 176 | 6 1/4 | 23 | | |

| DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|
| | 4 | 7 | | 1539.7 | | 11. | | 40 |

| | No. | Size | Type | Jets/W.C. | Serial No. | Wt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12 | 13 3/4 | OSC3 | Con | 11557 | 10-20 | 60-70 | 176 | 7 | | | | | | | 4 | 1 | 7 |
| 2 | 2 | 13 3/4 | OSC3 | — | 16540 | 10-20 | 60-70 | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. |
|---|---|---|---|---|
| WEIGHT | | | | 9.1 |
| VISCOSITY | | | | 40 |
| GEL | | | | |

| PUMP | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. |
|---|---|---|---|---|
| No. 1 PRESSURE | | | | |
| MODEL S.P.M. | | | | |
| LINER SIZE | | | | |

| PUMP | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. |
|---|---|---|---|---|
| No. 2 PRESSURE | | | | |
| MODEL S.P.M. | | | | |
| LINER SIZE | | | | |

MOTOR HOURS: 1 ____ 2 ____ 3 ____ 4 ____ 5 ____ Next Oil Change ____

W.L. ____ F.C. ____ pH. ____ DESILTER: Hours Op: ____ U. Flow: ____ C. Flow: ____

ADDITIVES: ____ GENERAL: ____

| SURVEYS At Feet | Degrees |
|---|---|
| 120 | 3/4 |
| 160 | 1° |

Weather ____ Temp. ____ Water ____ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

## 8 AM TO 4 PM TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles |
|---|---|---|---|---|---|---|
| 176 | 85 | 261 | 5 1/2 | 24 | | |

| DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|
| | 4-7 2-6 | 7 | 2 1/2 | 212.07 | | 516 | 5.16 | 1.00 |

| | No. | Size | Type | Jets/W.C. | Serial No. | Wt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 29 | 13 3/4 | OSC3 | Con | 16562 | 10-20 | 60-70 | 85 | 5 1/2 | | | 1 | 1000 | | | 4 | 1 | 1 |
| 2 | 30 | 13 3/4 | OSC3 | Jet | 16595 | 10-20 | 60-70 | | | | | 1 | 800 | | | | | |
| 3 | | | | | | | | | | | | | | | | | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. |
|---|---|---|---|---|
| WEIGHT | | | | |
| VISCOSITY | 30 | 55 | 52 | 50 |
| GEL | | | | |

| PUMP | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. |
|---|---|---|---|---|
| No. 1 PRESSURE | — | — | 1000 | 1000 |
| MODEL S.P.M. | | | | |
| LINER SIZE | | | | |

| PUMP | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. |
|---|---|---|---|---|
| No. 2 PRESSURE | | | | |
| MODEL S.P.M. | | | | |
| LINER SIZE | | | | |

MOTOR HOURS: 1 ____ 2 ____ 3 ____ 4 ____ 5 ____ Next Oil Change ____

W.L. ____ F.C. ____ pH. ____ DESILTER: Hours Op: ____ U. Flow: ____ O. Flow: ____

ADDITIVES: ____ GENERAL: ____

| SURVEYS At Feet | Degrees |
|---|---|
| 180 | 3/4 |
| 160 | 1/4 |
| 233 | 1/2° |

Weather ____ Temp. ____ Water ____ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

## 4 PM TO MIDNIGHT TOUR

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles |
|---|---|---|---|---|---|---|
| 261 | 331 | 592 | 7 | 30 | | |

| DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|
| | 4 | 7 | | 1867 | | 516 | | 14. |

| | No. | Size | Type | Jets/W.C. | Serial No. | Wt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 30 | 9 3/4 | OSC | 2-11 | 15199 | 20 | 80 | 160 | 10 1/2 | | | 1 | 1000 | | | Dull | 2 | |
| 2 | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. |
|---|---|---|---|---|
| WEIGHT | | | | |
| VISCOSITY | 50 | | | |
| GEL | | | | |

| PUMP | 4 a.m. | 6 p.m. | 8 p.m. | 10 p.m. |
|---|---|---|---|---|
| No. 1 PRESSURE | 1000 | 1000 | 1000 | 1000 |
| MODEL S.P.M. | | | | |
| LINER SIZE | | | | |

| PUMP | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. |
|---|---|---|---|---|
| No. 2 PRESSURE | 1000 | | | |
| MODEL S.P.M. | | | | |
| LINER SIZE | | | | |

MOTOR HOURS: 1 ____ 2 ____ 3 ____ 4 ____ 5 ____ Next Oil Change ____

W.L. ____ F.C. ____ pH. ____ DESILTER: Hours Op: ____ U. Flow: ____ O. Flow: ____

ADDITIVES: ____ GENERAL: ____

| SURVEYS At Feet | Degrees |
|---|---|
| 289 | 3/4° |
| 320 | 1/8° |

Weather ____ Temp. ____ Water ____ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams. | | | | |
| Blind Rams. | | | | |

TOTCO RING ON BIT # ____ Boiler Operated: 24 Hrs.

| | |
|---|---|
| Crown-o-matic Chk'd. | |
| Rig Savers Chk'd. | |
| Kelly Cock Chk'd. | |
| Fire Equip. Chk'd. | |

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals. |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

CASING REPORT: RAN ____ JTS ____ CSG ____ TO ____ KB. USED ____ SAX ____ CEM ____ PLUS ____ % PLUG DOWN ____ A.M. P.M. ____ CEMENT RETURNS - (YES/NO) ____

GENERAL

EQUIPMENT CHANGES ____ TRANSFER # ____

DAYS FROM SPUD: ____

TOTAL COMPANY TIME ____ HRS. TOTAL CONTRACTOR'S TIME ____ HRS.

Approved by Operator's Representative ____

Approved by Toolpusher ____

## REMARKS

| | TIME START | TIME STOP | INTVL. |
|---|---|---|---|
| Tripping [illegible] | 12 00 | 12 45 | 3/4 |
| Drilling 12 1/4 Hole | 12 45 | 2 45 | 2 |
| Survey @ 120' 3/4° | 2 45 | 3 00 | 1/4 |
| Drilling | 3 00 | 7 30 | 4 1/2 |
| Survey @ 160' 1° | 7 30 | 7 45 | 1/4 |
| Drilling | 7 45 | 8 00 | 1/4 |

FIRES ____ DRILLER'S SIGNATURE ____

| | TIME START | TIME STOP | INTVL. |
|---|---|---|---|
| Drilling | 8 00 | 10 15 | 2 1/4 |
| Rig Service | 10 15 | 10 30 | 1/4 |
| ~~Pull out & Run Survey [illegible]~~ | 10 30 | 10 45 | 1/4 |
| Pull out & Run 8 3/4" Bit | 10 45 | | |
| Run 8 3/4" Bit | | 11 00 | 1/4 |
| Pulling Drill Line | 11 00 | | |
| Ream 9 1/2" to Bottom | | 12 00 | 1/2 |
| Drilling 8 3/4" Hole | 12 00 | 3 00 | 3 1/4 |
| Survey @ 233 | 3 00 | 3 15 | 1/4 |

FIRES ____ DRILLER'S SIGNATURE Stanley E. Rankin

| | TIME START | TIME STOP | INTVL. |
|---|---|---|---|
| Drilling 8 3/4" Hole | 4 00 | 5 00 | 1 1/4 |
| Survey 289 | 5 00 | 5 30 | 1/4 |
| Drilled 8 3/4" Hole | 5 30 | 8 30 | 3 |
| Rig Service & Survey 1° | 8 30 | 8 45 | 1/4 |
| Re Run Survey @ 289 3/4° | 8 45 | 9 00 | 1/4 |
| Drilling 8 3/4" Hole | 9 00 | 11 15 | 2 1/4 |
| Survey @ 320 1/8° | 11 15 | 11 30 | 1/4 |
| Drilling 8 3/4" Hole | 11 30 | 12 00 | 1/2 |

FIRES ____ DRILLER'S SIGNATURE ____

CONSERVATION BOARD COPY

803

**CO[illegible]NWEALTH DRILLING (NORTHERN) LIMITED**

**DAILY DRILLING LOG**

RIG NO. 92 LOCATION Husky FT/AL. SIBBSTON LSD. 6 SEC. 9 TWP. ___ RGE. ___ W. ___ DATE [illegible] 3 19[illegible]

DIRECTIONS TO WELL ___ MAILING POINT ___ SHIPPING POINT ___ MILES MOVED ___ ROAD CONDITIONS ___

**TOUR MIDNIGHT TO 8 AM TOUR**

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |

| Bit | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | |

| MUD | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | PUMP | | 12 mn. | 2 a.m. | 4 a.m. | 6 a.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | | No. 1 | PRESSURE | | | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. ___ F.C. ___ pH. ___ DESILTER: Hours Op: ___ U. Flow: ___ O. Flow: ___

ADDITIVES: Gel - 2500# GENERAL: Caustic - 100#

SURVEYS: At Feet ___ Degrees ___ 4 ___ 5 ___

Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

**8 AM TO 4 PM**

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 90 | 90 | 7 3/4 | | | | | 3 | 7" | 2 1/2 | 91.20 | | 11.0 | | 41.0 |

| Bit | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 13 3/4 | OSC3 | — | 14557 | | | 90 | | | 11.5 | | | | | Dulled | | |
| 2 | | | | | | | | | | | | | | | | | | |

| MUD | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | PUMP | | 8 a.m. | 10 a.m. | 12 noon | 2 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | | No. 1 | PRESSURE | | | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. ___ F.C. ___ pH. ___ DESILTER: Hours Op: ___ U. Flow: ___ O. Flow: ___

ADDITIVES: GENERAL:

SURVEYS: At Feet 60 Degrees 1/4 4 ___ 5 ___

Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

**4 PM TO MIDNIGHT TOUR**

| From | Footage | To | Hrs. on Bottom | Wt. Drill Pipe (1000 lbs.) | Stands | Singles | DRILL COLLARS | No. | O.D. | I.D. | Length | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90 | 34 | 105 | 7 3/4 | | | | | 3 | 7" | 2 1/2 | 91.20 | | 11.0 | | |

| Bit | No. | Size | Type | Jets/W.C. | Serial No. | Wgt. | R.P.M. | Drilled or Cored | Hrs. | Reamed | Hrs. | Pump No. | Pump Pressure | S.P.M. | Table Torque | T. | B. | G. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 13 3/4 | OSC3 | — | 14557 | | | 105 | 15 | 15 1/4 | | | | | | Dulled | | |
| 2 | | | | | | | | | | | | | | | | | | |

| MUD | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | PUMP | | 4 p.m. | 6 p.m. | 8 p.m. | 10 p.m. | MOTOR HOURS | Next Oil Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEIGHT | | | | | No. 1 | PRESSURE | | | | | No. 2 | PRESSURE | | | | | 1 | |
| VISCOSITY | | | | | MODEL | S.P.M. | | | | | MODEL | S.P.M. | | | | | 2 | |
| GEL | | | | | | LINER SIZE | | | | | | LINER SIZE | | | | | 3 | |

W.L. ___ F.C. ___ pH. ___ DESILTER: Hours Op: ___ U. Flow: ___ O. Flow: ___

ADDITIVES: Gel 2000# GENERAL: Caustic 50#

SURVEYS: At Feet 90' Degrees 1/2° 4 ___ 5 ___

Weather ___ Temp. ___ Water ___ Bbls.

| Drilling Line Record | Size | Make | Serial No. | No. Lines | Trips | Ton Miles | Total Miles | Slip | Feet or Cut | At Miles | Date Slip or Cut | Next Slip | Ft. Left on Spool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| B.O.P. | Tested | Elapsed Time | Pressure | Packing & Seal Inspected Date |
|---|---|---|---|---|
| Hydril | | | | |
| Pipe Rams | | | | |
| Blind Rams | | | | |

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. ___ Rig Savers Chk'd. ___ Kelly Cock Chk'd. ___ Fire Equip. Chk'd. ___

| | |
|---|---|
| Fuel on Hand 12.01 a.m. | gals. |
| Fuel Rec'd Today (add) | gals |
| TOTAL | gals. |
| Fuel on Hand 11.59 p.m. (deduct) | gals. |
| FUEL USED | gals. |

**CASING REPORT** RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % ___ PLUG DOWN ___ A.M. P.M. ___

CEMENT RETURNS - (YES/NO) ___

**GENERAL**

| REMARKS | TIME START | TIME STOP | INTV |
|---|---|---|---|
| Finish Digging Rathole | 12 00 | 3 00 | 3 |
| Mix Mud To Spud In | 3 00 | 6 00 | 3 |
| Prepare To Spud | 6 00 | 8 00 | 2 |

FIRES ___ DRILLER'S SIGNATURE ___

| | | | |
|---|---|---|---|
| Drilling [illegible] | [illegible] | [illegible] | 7 |
| [illegible] | [illegible] | [illegible] | 1/4 |
| Drilling [illegible] | [illegible] | 400 | [illegible] |
| Surveys [illegible] | [illegible] | [illegible] | [illegible] |

FIRES ___ DRILLER'S SIGNATURE ___

| | | | |
|---|---|---|---|
| Survey @ 90' Dole | 4 00 | 4 00 | 4 |
| Rig Service | 8 00 | 8 15 | 1/4 |
| Drilling [illegible] | 8 15 | 12 00 | 3 3/4 |

FIRES ___ DRILLER'S SIGNATURE ___

EQUIPMENT CHANGES ___ TRANSFER # ___

DAYS FROM SPUD: ___ TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative ___

Approved by Toolpusher ___

CONSERVATION BOARD COPY

802

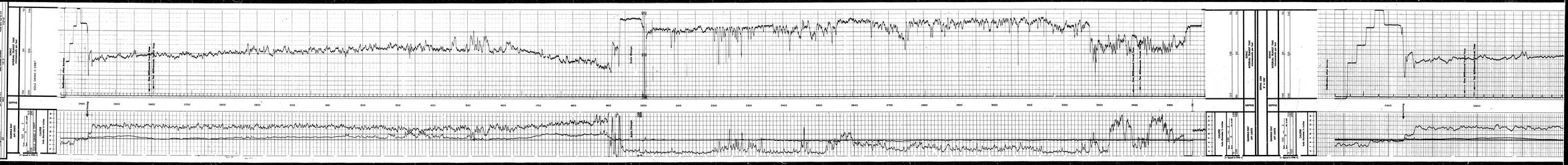
SCHLUMBERGER

# BOREHOLE COMPENSATED SONIC LOG

SCHLUMBERGER OF CANADA, Calgary, Alberta

| | |
|---|---|
| COMPANY | MOBIL OIL LTD. |
| WELL | MOBIL ET AL SIBBISTON 5-9-62 |
| FIELD | WILDCAT |
| PROVINCE | NORTHWEST TERRITORIES |
| LOCATION | LAT. 60° 0' 0.00" LONG. 117° 50' 0.00" |
| Elev. Permanent Datum | 0 ft. Above Perm. Datum |
| Log Measured From | 10 ft. Above Perm. Datum |
| Drilling Measured From | KB |
| Date Service | 1-12-78 |
| Run No. | ONE |
| Depth Driller | 1100.0 |
| Depth Logger | 1098.0 |
| Bottom Log Interval | 1098.0 |
| Top Log Interval | 100.0 |
| Casing Driller | 10 3/4" @ 100.0 |
| Casing Logger | 100.0 |
| Bit Size | 9 7/8" |
| Type Fluid in Hole | WATER |
| Density | 1.03 |
| Viscosity | 40 |
| Fluid Loss | 10 |
| Source of Sample | FLOWLINE |
| Rm @ Meas. Temp. | 0.0 @ 0 F |
| Rmf @ Meas. Temp. | 0.0 @ 0 F |
| Rmc @ Meas. Temp. | 0.0 @ 0 F |
| Source Rmf / Rmc | MEASURED / CALCULATED |
| Rm @ BHT | 0.0 @ 0 F |
| Time Since Circ. | 12 HRS |
| Max. Rec. Temp. | 0 F |
| Equipment No. | 1-101 |
| Location | FORT NELSON |
| Recorded By | FIELDS |
| Witnessed By | MR. TURCOTTE |

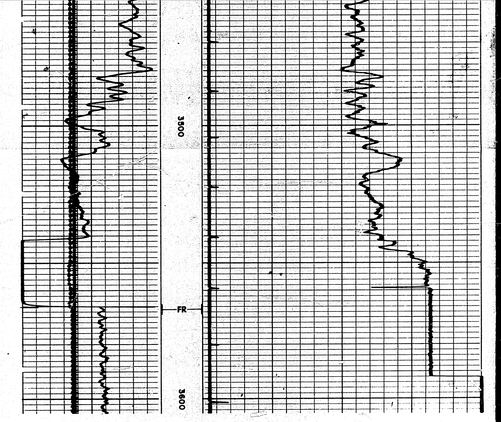
| | | | |
|---|---|---|---|
| Run No. | ONE | | |
| Depth Driller | 1100.0 | | |
| Depth Logger | 1098.0 | | |
| Bottom Log Interval | 1098.0 | | |
| Top Log Interval | 100.0 | | |
| Casing Driller | 10 3/4" @ 100.0 | | |
| Casing Logger | 100.0 | | |
| Bit Size | 9 7/8" | | |
| Type Fluid in Hole | WATER | | |
| Density | 1.03 | | |
| Viscosity | 40 | | |
| Fluid Loss | 10 | | |
| Source of Sample | FLOWLINE | | |
| Rm @ Meas. Temp. | 0.0 @ 0 F | | |
| Rmf @ Meas. Temp. | 0.0 @ 0 F | | |
| Rmc @ Meas. Temp. | 0.0 @ 0 F | | |
| Source Rmf / Rmc | MEASURED / CALCULATED | | |
| Rm @ BHT | 0.0 @ 0 F | | |
| Time Since Circ. | 12 HRS | | |
| Max. Rec. Temp. | 0 F | | |
| Equipment No. | 1-101 | | |
| Location | FORT NELSON | | |
| Recorded By | FIELDS | | |
| Witnessed By | MR. TURCOTTE | | |


SONIC TRANSIT TIME
DELTA T
DT
DT
DT

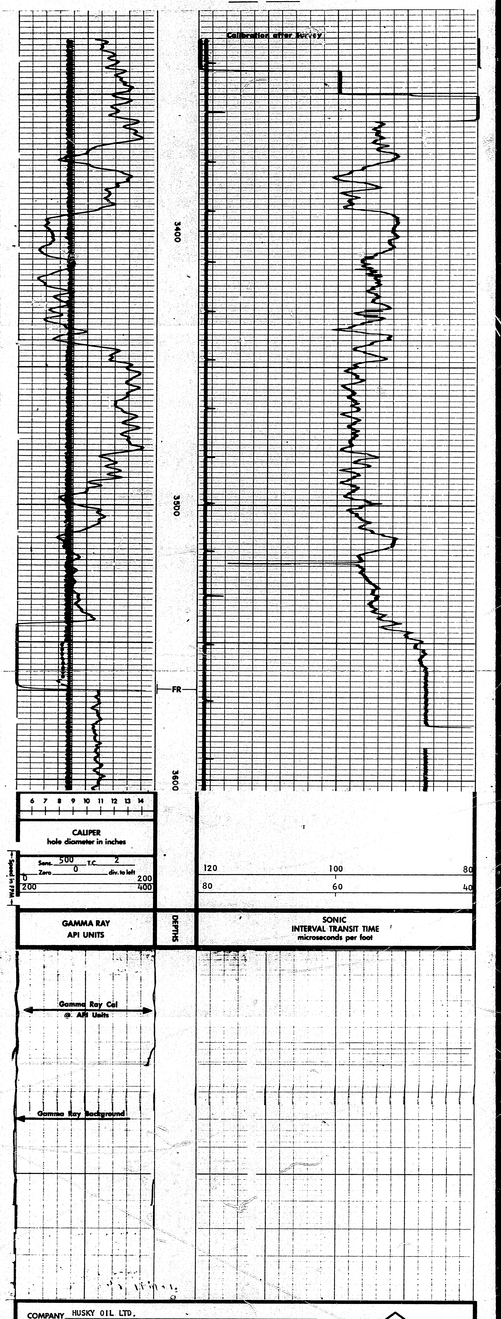
0600
0700
0800
0900
1000
1100
1200
1300
1400
1500

1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
Zone Change
Zone Change

2600
2700
2800
2900
3000
3100
3200
3300
3400
Top Affiliated Trend
Gas Affiliated Trend




REPEAT SECTION




6 7 8 9 10 11 12 13 14

**CALIPER**
hole diameter in inches

Sens. 500 T.C. 2
Zero 0 div. to left

0 200
200 400

**GAMMA RAY**
**API UNITS**

Gamma Ray Cal
@ API Units

Gamma Ray Background

**DEPTHS**

120 100 80
80 60 40

**SONIC**
**INTERVAL TRANSIT TIME**
microseconds per foot

Scale 1 in 1/24

COMPANY HUSKY OIL LTD.

WELL HUSKY ET AL SIBBESTON G-69

FIELD WILDCAT PROVINCE NORTHWEST TERRITORIES

SCHLUMBERGER

# SCHLUMBERGER — INDUCTION ELECTRICAL LOG

SCHLUMBERGER OF CANADA Calgary, Alberta

| | |
|---|---|
| COMPANY | HUSKY OIL LTD. |
| WELL | HUSKY ET AL SIBBESTON O-69 |
| FIELD | WILDCAT |
| PROVINCE | NORTHWEST TERRITORIES |
| LOCATION | 62° 00' N LAT, 122° 30' W LONG |
| Other Services | SLC-GR |
| Permanent Datum | GL, Elev. 1165.5 |
| Log Measured From | KB 12.5 Ft. Above Perm. Datum |
| ELEV. KB | 1178.0 |
| GL | 1165.5 |
| CSW | |

| | | | | |
|---|---|---|---|---|
| Date | 26 JAN 70 | | | |
| Run No. | ONE | | | |
| First Reading | 3569 | | | |
| Last Reading | 417 | | | |
| Feet Measured | 3161 | | | |
| Depth Reached | 3569 | | | |
| Bottom Driller | 3570 | | | |
| Cap. SOC | 417 | | | |
| Cap. Driller | 417 | | | |
| Mud Nature | GEL | | | |
| Dens. / Visc. | 9.4 / 68 | | | |
| Mud pH | 8.5 | | | |
| Water Loss | 12.0 | | | |
| Rm. | RMKS | | | |
| @ BHT | 0.86 @ 111 °F | @ °F | @ °F | @ °F |
| Rmf | 0.94 @ 66 °F | @ °F | @ °F | @ °F |
| Rmc | 1.72 @ 56 °F | @ °F | @ °F | @ °F |
| Bit Size | 8 3/4" | | | |
| Spacing - AM | 16' | 16' | 16' | 16' |
| - MN | 34'-6' | 34'-6' | 34'-6' | 34'-6' |
| Ind. Type | 6FF40 | 6FF40 | 6FF40 | 6FF40 |
| Opr. Rig Time | 2 HRS | | | |
| Truck No. | 3534 RL | | | |
| Recorded By | FEDORUK | | | |
| Witness | STROM | | | |

PROVINCE: NORTHWEST TERRITORIES
FIELD: WILDCAT
WELL: HUSKY ET AL SIBBESTON O-69
COMPANY: HUSKY OIL LTD.

FEB 27 1970 — HUSKY OIL LTD. — HUSKY ET AL SIBBESTON O-69 — Schlumberger Canada Limited

26 JAN 70 OIL CON

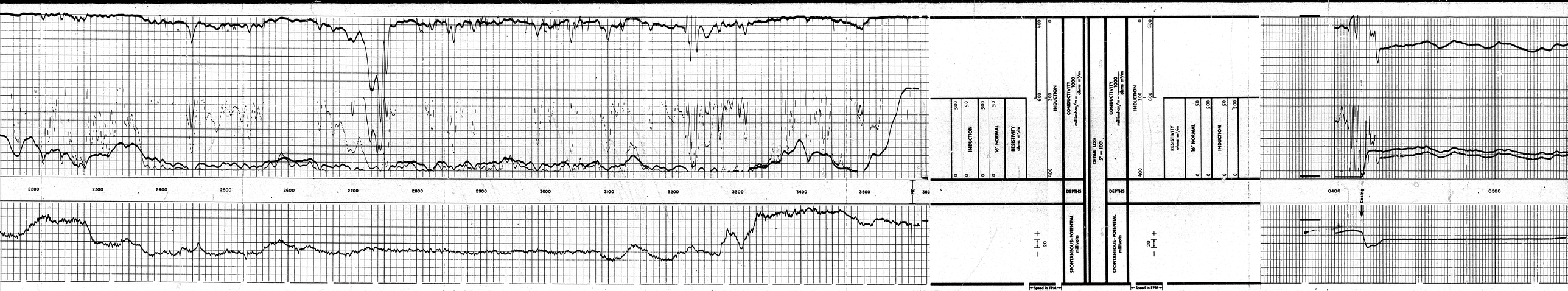
| | | | |
|---|---|---|---|
| Casing Depth | 2115 / 25th | Circulation Stopped | 0030 / 26th |
| Time Logger on Bottom | 0330 / 26th | Top of Log | 111 ft |
| Bottom of Log | 3569 ft | | |

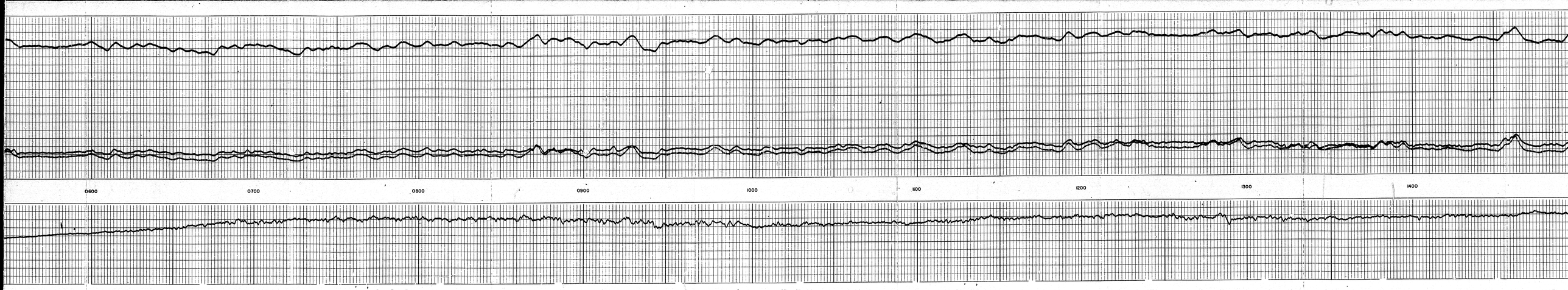
REMARKS

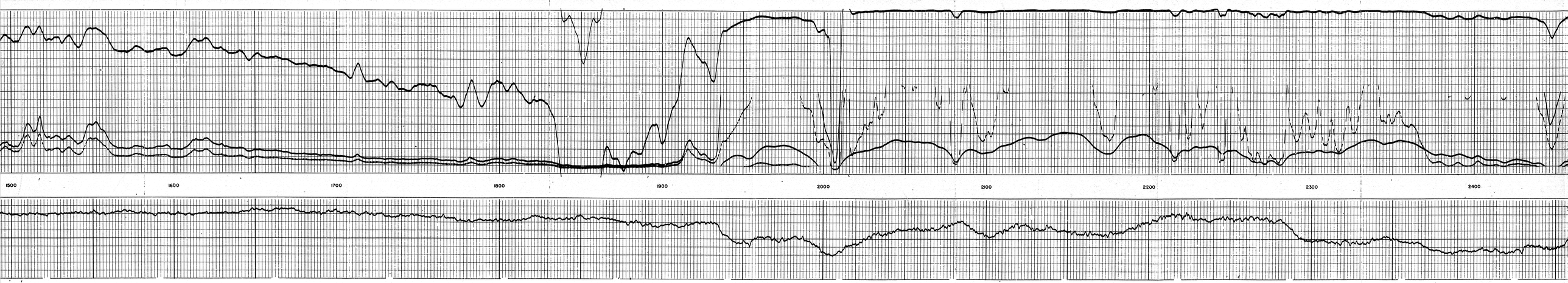
| | |
|---|---|
| Rm @ BHT = 1.20 @ 66°F | |
| Rmf @ BHT = 1.48 @ 39°F | |
| Rmc @ BHT = 1.18 @ 66°F | |

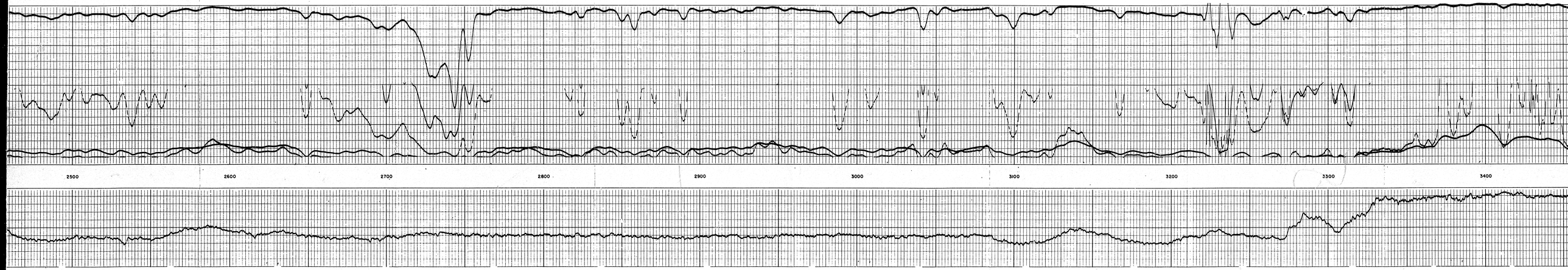
MUD SAMPLES

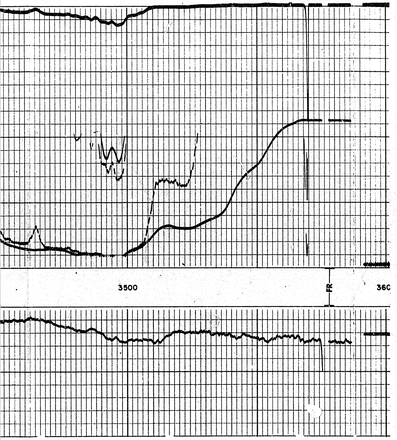
| | |
|---|---|
| Sand Off - Inches | 1.5 |
| Gas Units | F 600 |
| Total No. | F 1800 |
| Lag No. | F 1700 |
| Lag Time | 122 |
| Speed | 1 |


2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
1400
3500
FR
380
INDUCTION
0
500
50
RESISTIVITY
ohms m²/m
16' NORMAL
INDUCTION
CONDUCTIVITY millimho/m = ohms m²/m
DEPTHS
SPONTANEOUS-POTENTIAL millivolts
Speed in FPM
DETAIL LOG
5" = 100'
0400
0500
Casing

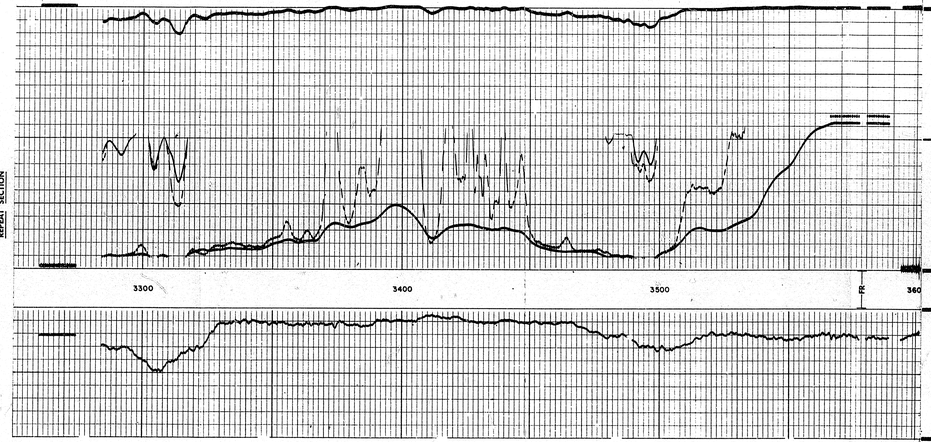

0600
0700
0800
0900
1000
1100
1200
1300
1400

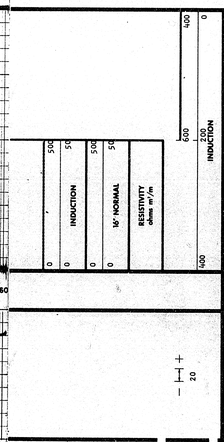

1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

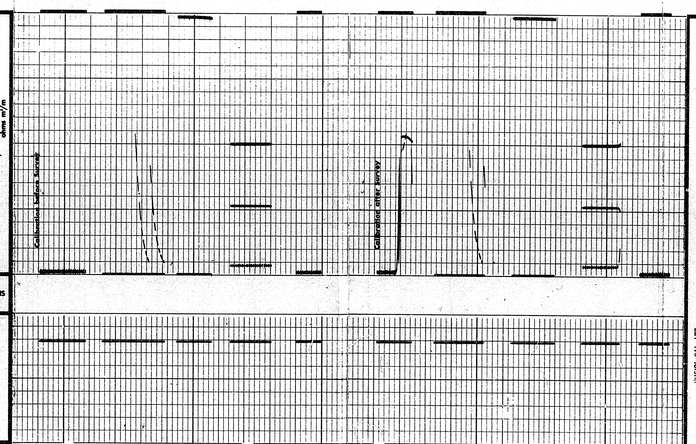

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400




REPEAT SECTION




SCHLUMBERGER

COMPANY: HUSKY OIL LTD.

WELL: HUSKY ET AL SIBBESTON E-69

FIELD: WILDCAT PROVINCE: NORTHWEST TERRITORIES