

WESTEROL 3-A

Drilling Authority No.  
Date Issued

WELL NAME Westeros 3-4

FIELD Wildcat

Area: Fort Simpson

LOCATION: Unit

Section

Grid

Latitude 61°46'26" N.

Longitude

120°43'48" W.

From Established Reference Marker

Rig Release Date: 30-7-52

Status 2 A

Information Release Date 30-7-54

CHANGE OF NAME:

| DATE RECEIVED | INDEX                                                                                                                  |
|---------------|------------------------------------------------------------------------------------------------------------------------|
|               | Application for a Drilling Authority.<br>Well Completion Data.<br>Well History Report.                                 |
|               | Application to Amend a Drilling Authority.                                                                             |
|               | Application to change a Well Name.                                                                                     |
|               | Application to Abandon a Well or Suspend Drilling.                                                                     |
|               | Application to Alter Condition of a Well.<br>Well History Supplement.<br>Well Completion Data.<br>Work-over Report No. |
|               | Application to Commingle Production before Measurement.                                                                |
|               | Approval to Commingle Production before Measurement.                                                                   |
|               | Application to Amend Approval No. to Commingle Production before Measurement.                                          |
|               | Application for M.P.R.—Oil.                                                                                            |
|               | New Oil Well Report.                                                                                                   |
|               | New Gas Well Report.                                                                                                   |
|               | Well Inspection Report.                                                                                                |
|               | Rig Inspection Report.                                                                                                 |
|               | Battery Inspection Report.                                                                                             |
|               | Field Abandonment Programme and Approval.                                                                              |
|               | Well Card.                                                                                                             |
|               | Well Visit.                                                                                                            |
|               | Daily Drilling Reports.                                                                                                |

NOTICE OF INTENTION TO ABANDON A WELL

7.

Notice to be forwarded, in duplicate, to the Director, (Lands Division), Northern Administration and Lands Branch, Department of Resources and Development, Ottawa.

Notice is hereby given, as required by Section 80 of the P. & N. G. Regulations, dated May 9, 1949, that it is the intention on or about the day of July 31st, 1952, to abandon Well No 3A Elevation 470 KB feet, located on Permit 383

registered in the name of F.W. Anderson of Yellowknife

The reasons for abandonment are:- No oil or gas reservoirs encountered

Oil, gas and water were encountered as follows and will be shut off as outlined below:-

Oil:- Nil

Gas:- Nil

Water:- Nil

Water rose to (How near the surface)

The depth drilled to was 2422 feet and the following casings were inserted:

| Diameter | Depth<br>feet | Weight | Free, set or<br>cemented | The intention is to<br>withdraw feet |
|----------|---------------|--------|--------------------------|--------------------------------------|
| 7"       | 402           | 17     | Cemented                 | Nil                                  |

Assumed datum for elevation has here been corrected by -35 feet and KB elevation should be correct to within five feet of true elevation above mean sea level.

Signature

*W. H. Smith*

Title Geologist

Date October 4th

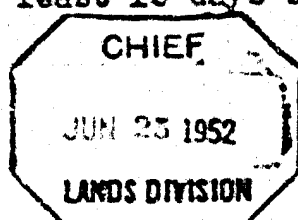
19 52

Address 111 Petroleum Bldg.,  
Calgary, Alberta.

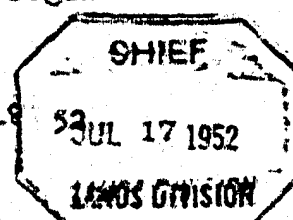
Approved  
*A.B. Smith.*

# NOTICE OF INTENTION TO BEGIN BORING OPERATIONS

NOTICE to be forwarded, in duplicate, to the Director, (Lands Division), Northern Administration and Lands Branch, Department of Resources and Development, Ottawa, at least 15 days before work is begun



June 23rd 1952



Sir:

Notice is hereby given as required by Section 34 of the Petroleum and Natural Gas Regulations, dated 9th of May, 1949, that it is our intention to begin boring a well on P. & N. G. Permit No. 383 on or about the 1st day of July 1952.

Standing in the name of Frank W. Anderson

and located on the west bank of the Mackenzie River at North Latitude 61° 47 mins.

(Give below distances from boundaries)

Being .8 miles west of the east boundary and 2.9 miles south of the north boundary

The well shall be known as Westerol 3A

We intend using the following equipment:-

Type of drilling rig: Mobilehoist

New or used.

## CASING

| Size | Weight | Thread  | Brand  | New Used | Depth | How set        |
|------|--------|---------|--------|----------|-------|----------------|
| 7"   | 20#    | 8 round | German | new      | 300'  | Cemented solid |

We expect to encounter the following oil, water and gas horizons and propose taking care of them as follows: We will inform you of any changes in this programme.

We expect to find reef porosity in formations of Devonian or Silurian age.

We will use a Guiberson type "A" blowout preventer and will have a full closing gate valve at the casing head as well.

The well is to be drilled by Company ~~or Contractor~~. If contractor give name.

The officers in charge of the operations will be:

At the well

M. E. Wopnford

Of the Company

C. Warren Hunt

Name of Permittee Western Homestead Oils Limited

Signature

Approved

*W.B. Irwin*  
Supervisory Petroleum Engineer

Title Geologist

*C. Warren Hunt*  
C. Warren Hunt

WENTWELL 3A

LOCATION: Twp. 12, Sec. 16, Twp. 147, Rge. 15, 6E  
 Latitude 61°46'26"W; Longitude 120°43'48"W

ELEVATION: K.B. above sea level 470'

SPUD IN: July 3rd, 1952

SURFACE CASING: 396' 17" 7" set at 402' with 56 sax

LOG RUN: Halliburton on July 30th, 1952 to 2375

TOTAL DEPTH: 2422'

RIG RELEASED: July 31st, 1952

GEOLOGICAL MARKERS:

Electric Log

|                    |                                                         |       |
|--------------------|---------------------------------------------------------|-------|
|                    | Simpson shale                                           | 513'  |
| Upper<br>Devonian  | Bituminous shale<br>(Frobisher)                         | 1141' |
|                    | Upper Limestone                                         | 1293' |
| Middle<br>Devonian | Lower Limestone<br>(Ramparts)                           | 1460' |
|                    | Anhydrite (and dolomite)<br>Fitzgerald-Lons<br>Mountain | 1631' |
|                    | Red beds (with salt)                                    | 1960' |
| Pre-Cambrian       | Argillites and sandstones                               | 2250' |

WETTED # 3A

DITCH SAMPLES

- 30-330 Glacial sand and gravel; red, yellow, green, mauve, orange, clear, blue, olive; quartzose; loose grained, large to medium grained; rounded to angular; micaceous, non-calcareous. 10% siltstone, gray, green, buff, olive; hard; silty; highly calcareous. Trace of limestone.
- 370-400 Glacial sand and gravel; clear, red, orange, yellow, green, olive, blue; quartzose; loose grained, large to fine grained; rounded to angular; non-calcareous. 10% shale - gray, green, olive; firm; silty to argillaceous; calcareous. Trace of limestone.
- 400-470 Glacial sand and gravel, as above.  
30% shale as above.  
10% limestone - buff, brown, gray, olive; soft; non-crystalline; argillaceous; porous and oil stained in part.
- 470-480 Glacial sand and gravel, as above.  
30% shale as above.  
20% limestone as above.
- 480-500 40% Glacial sand and gravel.  
30% shale as above.  
30% limestone as above.
- 500-515 40% Shale as above.  
30% Limestone as above.  
30% Glacial sand and gravel.
- 515-520 Shale - light gray, light green, light brown; soft; silty to argillaceous; highly calcareous.  
40% sandstone - clear, red, orange, yellow, green, olive; quartzose; loose grained; rounded to angular.  
15% limestone - buff, light brown; soft; argillaceous; non-crystalline; spotty porosity and oil staining.  
5% marl - white with black grains; very soft; dense.
- 520-525 Shale as above.  
30% sandstone as above.  
20% limestone as above.  
Trace of marl as above.
- 525-530 Shale - medium greenish gray; soft; argillaceous; highly calcareous.  
30% sandstone as above.  
10% limestone as above.  
Trace of marl as above.

530-535 Shale - medium greenish grey, light brown, dark brownish grey; soft; argillaceous; highly calcareous.  
30% sandstone as above.  
5% limestone as above.  
Trace of marl as above.

535-540 Shale as above.  
10% sandstone as above.  
Trace of limestone.  
Trace of marl as above.

540-550 Shale as above.  
10% Sandstone as above.  
10% limestone as above.  
Trace of marl as above.

550-555 Shale as above.  
15% marl as above.  
10% sandstone as above.  
5% limestone as above.

555-565 Shale - light greenish grey, dark brown, dark grey; soft, argillaceous, highly calcareous.  
10% sandstone - clear, red, orange, yellow; large to fine grained; rounded to angular; loose grained, micaceous in part.  
5% limestone - light grey, buff, brown; soft, argillaceous; dense with spotty porosity and oil staining.

565-590 Shale - medium greenish grey; soft; argillaceous; slightly calcareous.  
10% sandstone - clear, red, orange, yellow; loose grained; rounded to angular.  
Trace of limestone as above.

590-600 Shale as above.  
20% sandstone as above.  
Trace of limestone as above.

600-605 Shale as above.  
20% sandstone as above.  
5% marl - white with black grains; very soft, dense.

605-610 Shale - medium greenish grey; soft; argillaceous; slightly calcareous.  
5% marl - white with black grains; very soft; dense.  
Trace of sandstone as above.  
Trace of limestone as above.

610-635 Shale - medium greenish grey; soft; argillaceous; slightly calcareous.  
Trace of Marl as above.  
Trace of sandstone as above.  
Trace of limestone as above.

- 635-750 Shale - medium greenish grey; soft; argillaceous; slightly calcareous.
- 750-755 Shale - medium greenish grey, brownish grey, medium grey; soft; argillaceous; slightly calcareous.
- 755-760 Shale - medium to dark greenish grey; soft; argillaceous; slightly calcareous.
- 760-770 Shale - medium to dark greenish grey, brownish grey; soft; argillaceous; slightly calcareous.
- 770-780 Shale - medium to dark greenish grey; soft; argillaceous; slightly calcareous.
- 780-800 Shale - medium greenish grey; soft; argillaceous; slightly calcareous.
- 800-805 Shale - medium to dark greenish grey; soft; argillaceous; slightly calcareous.
- 805-810 Shale - medium greenish grey; soft; argillaceous; slightly calcareous.  
5% coal - hard, rusty stained.
- 810-820 Shale - medium greenish grey; soft; argillaceous; slightly calcareous.
- 820-830 Shale - medium grey; soft; argillaceous; slightly calcareous.
- 830-835 Shale - dark greenish grey; soft; argillaceous; slightly calcareous.
- 835-860 Shale - dark greenish grey, dark brown; argillaceous; soft; slightly calcareous.
- 860-895 Shale - dark greenish grey; soft; argillaceous; slightly calcareous.
- 895-900 Shale - dark greenish grey, dark brown; soft; argillaceous; slightly calcareous.
- 900-920 Shale - dark greenish grey; soft; argillaceous; slightly calcareous.
- 920-925 Shale - dark greenish grey, dark brownish grey; soft, argillaceous; slightly calcareous.
- 925-1000 Shale - dark greenish grey; soft; argillaceous; slightly calcareous.
- 1000-1005 Shale - medium to dark greenish grey, medium grey to black; soft; argillaceous to silty; slightly calcareous.

1008-1025 Shale - dark greenish grey, medium to dark grey; soft; argillaceous to silty; slightly calcareous.

1025-1080 Shale - dark greenish grey, dark grey; soft; argillaceous to silty; slightly calcareous.

1080-1095 Shale - medium greenish grey, light to dark grey; soft; argillaceous to silty.

1095-1100 Shale - medium greenish grey, medium brownish grey, dark grey; soft; argillaceous to silty; slightly calcareous.

1100-1110 Shale - medium to dark greenish grey, medium grey to black; soft; argillaceous to silty; slightly calcareous.

1110-1145 Shale - dark grey, medium greenish grey; soft; argillaceous to silty; slightly calcareous.

1145-1150 Shale - medium greenish grey, medium to dark grey; soft; argillaceous; slightly calcareous.  
Trace of limestone - buff, medium brown; soft; argillaceous; spotty porosity and oil staining.  
Trace of sandstone - clear, red, orange, loose grained, large to medium grained, angular to rounded.  
Trace of marl - white with black grains; soft; dense.

1150-1170 Shale - light to medium greenish grey, medium green, medium brownish grey, dark grey; soft; argillaceous; slightly calcareous.  
5% sandstone - clear, red, orange, yellow; loose grained, medium to large grained, rounded to angular; micaceous in part.  
5% limestone - light grey, buff to medium brown; soft; non-crystalline; dense.

1170-1175 Shale - dark grey to black, medium greenish grey; soft; argillaceous to silty; slightly calcareous.

1175-1205 Shale - dark brownish grey to black, medium greenish grey; soft; argillaceous to silty; very slightly calcareous.

1205-1315 Shale - dark brownish grey to black; soft; argillaceous to silty; very slightly calcareous.

1315-1325 Limestone - light dull buff to dark dull brown; soft; non-crystalline; argillaceous; dense.  
40% Shale - medium greenish grey, dark brownish grey to black; soft; argillaceous; non-calcareous.

1325-1345 Limestone as above.  
20% Shale as above.

1348-1355 Limestone as above.  
10% shale as above.

1355-1360 Limestone - buff to medium brown; soft; micro-crystalline to non-crystalline; dense with spotty porosity and some oil staining.  
40% shale - medium greenish grey, dark brownish grey, black; soft; argillaceous; slightly calcareous.

1360-1375 Limestone as above.  
10% shale - as above.

1375-1385 Limestone - buff to medium brown; soft; micro-crystalline to non-crystalline; dense.  
5% shale - buff to medium brown.

1385-1395 Limestone - buff to medium brown.  
10% shale - as above.

1395-1415 Limestone - as above.  
20% shale - as above.

1415-1420 Limestone - buff to dark brown; soft; micro-crystalline to non-crystalline; argillaceous; dense; dolomitic in part.  
20% shale - medium greenish grey, dark brownish grey, black; soft; argillaceous; slightly calcareous.

1420-1425 Limestone - as above.  
10% shale - as above.

1425-1430 Limestone - as above.  
20% shale - as above.

1430-1440 Limestone - as above.  
30% shale - as above.

1440-1445 Limestone - light buff to light brown; soft; non-crystalline; dense.  
10% shale - medium greenish grey, dark grey to black; soft; argillaceous; slightly calcareous.

1445-1450 Limestone - buff to dark brown; soft; argillaceous; dolomitic in part; non-crystalline; dense.  
20% shale - medium greenish grey, medium to dark grey; soft; argillaceous; slightly calcareous.

1450-1455 Limestone - as above.  
30% shale - as above.

1455-1460 60% shale - as above.  
40% limestone - as above.

1460-1482 Limestone - buff to very dark brown; soft; argillaceous; dolomitic in part; micro-crystalline to non-crystalline; dense.  
5% shale - medium greenish grey, medium to dark grey; soft; argillaceous; slightly calcareous.

1482-1485 Limestone - buff; soft; argillaceous; non-crystalline; dense.  
Trace of shale - as above.

1485-1490 Limestone - medium brown; soft; argillaceous; non-crystalline; dense.  
5% shale - medium greenish grey; soft; argillaceous; slightly calcareous.

1490-1495 Limestone - dark brown; soft; argillaceous; dolomitic; micro-crystalline; dense.  
5% shale - as above.

1495-1500 Limestone - buff to light brown; soft; slightly argillaceous; micro-crystalline to non-crystalline; dense.  
5% shale - as above.

1500-1505 Limestone - dark brown; soft; argillaceous; dolomitic; non-crystalline to micro-crystalline; dense.  
Trace of shale - as above.

1505-1510 Limestone - medium brown; soft; argillaceous; non-crystalline to micro-crystalline; dense.  
5% shale - as above.

1510-1515 Limestone - buff; soft; argillaceous; non-crystalline; dense; bituminous.

1515-1520 Limestone - medium brown; soft; argillaceous; non-crystalline to micro-crystalline; dense.  
5% shale - medium greenish grey; soft; argillaceous; slightly calcareous.

1520-1525 Limestone - dark brown; soft; non-crystalline to micro-crystalline; dense; dolomitic.  
10% shale - as above.

1525-1535 Limestone - as above.  
30% shale - rusty brown, medium grey; soft; argillaceous; slightly calcareous.

1535-1540 Limestone - light to dark brown; soft; non-crystalline to micro-crystalline; argillaceous; dolomitic in part; dense.  
10% shale - medium greenish grey; soft; argillaceous; slightly calcareous.

1540-1545 Limestone - as above.

Trace of shale - as above.

1545-1550 Limestone - light to medium brown; soft; argillaceous; non-crystalline to micro-crystalline; dense.

Trace of shale - as above.

1550-1560 Limestone - medium brown; soft; argillaceous; non-crystalline to micro-crystalline; dense.

10% shale - medium greenish grey, medium to dark grey; soft; argillaceous; slightly calcareous.

1560-1565 Limestone - medium to dark brown; soft; micro-crystalline; argillaceous; dolomitic in part; dense.

10% shale - as above.

1565-1570 Limestone - as above.

20% shale - medium greenish grey; light grey to black; soft; argillaceous; slightly calcareous.

1570-1600 Limestone - buff to medium brown; soft; argillaceous; non-crystalline to micro-crystalline; dense.

10% shale - as above.

1600-1605 Limestone - light grey; soft; micro-crystalline; argillaceous; dense.

5% shale - medium greenish grey, medium to dark grey; soft; argillaceous; slightly calcareous.

1605-1615 Limestone - buff to medium brown; soft; argillaceous; non-crystalline to micro-crystalline;

10% shale - as above.

1615-1630 Limestone - buff; soft; argillaceous; non-crystalline to micro-crystalline; dense.

6% shale as above.

1630-1635 Limestone as above.

10% shale as above.

1635-1640 Limestone - as above.

40% shale - as above.

1640-1645 Limestone - buff to medium brown; soft; argillaceous; non-crystalline to micro-crystalline; dense;

30% shale - as above.

- 1645-1650 Limestone - light grey with green tinge, soft, non-crystalline to micro-crystalline, very argillaceous, dense.  
40% Shale - medium greenish grey, medium grey to black, soft, argillaceous, slightly calcareous.
- 1650-1662 Limestone - buff, soft, non-crystalline, argillaceous, dense.  
20% Shale - as above.
- 1662-1665 Anhydrite - light grey, soft, non-crystalline, dense.  
40% Shale - as above.  
20% Limestone - as above.
- 1665-1666 Limestone - buff to dark brown, soft non-crystalline to micro-crystalline, argillaceous, dense; dolomitic in part.  
40% Shale - as above.  
5% Anhydrite-as above.
- 1666-1670 Anhydrite - as above.  
20% Shale - as above.  
Trace of marl - white, soft, dense.
- 1670-1675 Anhydrite - buff, brown, soft; non-crystalline, dense.  
20% Shale - medium greenish grey, medium to dark grey, soft; argillaceous; slightly calcareous.
- 1675-1680 Anhydrite - as above.  
30% Shale - as above.
- 1680-1685 Anhydrite - as above.  
50% Shale - medium greenish grey, olive, brownish, grey, medium to dark grey; soft; argillaceous; slightly calcareous.
- 1685-1690 60% Shale - as above.  
40% Anhydrite - as above.
- 1690-1695 Anhydrite - cream, buff; soft; non-crystalline; dense.  
50% Shale - medium greenish grey, medium to dark grey; soft, argillaceous; slightly calcareous.
- 1695-1700 Anhydrite - as above.  
40% Shale - as above.
- 1700-1705 70% Shale - as above.  
30% Anhydrite - as above.
- 1705-1710 60% Anhydrite - as above.  
40% Shale - as above.
- 1710-1720 Anhydrite - cream, light grey; soft; non-crystalline; dense.  
30% Shale - medium brown, medium to dark grey; soft; argillaceous; slightly calcareous.

- 1720-1725 Anhydrite - as above.  
20% Shale - light to dark grey; soft; argillaceous; slightly calcareous.
- 1725-1745 Anhydrite - cream, light brown; soft; non-crystalline; dense.  
10% Shale - as above.
- 1745-1750 Anhydrite - as above.  
20% Shale - as above.
- 1750-1755 Anhydrite - as above.  
10% Shale - as above.
- 1755-1770 Anhydrite - buff to medium brown; soft; non-crystalline; dense.  
10% Shale - medium to dark grey; soft; argillaceous; slightly calcareous.
- 1770-1775 Anhydrite - as above.  
20% Shale - as above.
- 1775-1780 Limestone - buff to dark brown; soft; highly argillaceous; dolomitic in part; non-crystalline; dense.  
15% Shale - olive, medium to dark grey; soft; argillaceous; slightly calcareous.
- 1780-1785 Anhydrite - light grey, buff; soft; non-crystalline.  
30% Shale - light to dark grey; soft; argillaceous; slightly calcareous.
- 1785-1790 Anhydrite - cream to light brown; soft; non-crystalline; dense.  
20% Shale - medium greenish grey, medium to dark grey; soft; argillaceous; slightly calcareous.
- 1790-1795 Limestone mottled with anhydrite.  
Limestone - buff, light brown; soft; highly argillaceous; non-crystalline; dense.  
20% Anhydrite - medium brown; soft; non-crystalline; dense.  
10% Shale - as above.
- 1795-1800 Anhydrite - buff to dark brown; soft; non-crystalline; dense.  
20% Shale - as above.
- 1800-1805 Anhydrite - as above.  
40% Shale - as above.
- 1805-1810 Anhydrite - as above.  
30% Shale - as above.
- 1810-1815 Anhydrite - medium grey; soft; non-crystalline; dense.  
20% Shale - medium greenish grey, medium to dark grey; soft; argillaceous; slightly calcareous.
- 1815-1820 Anhydrite - buff, light grey; soft; non-crystalline.  
20% Shale - as above.

- 1820-1825 Anhydrite - buff, light brown; soft; non-crystalline; dense.  
10% Shale - as above.
- 1825-1830 Anhydrite mottled with limestone.  
Anhydrite - light to dark brown; soft; non-crystalline; dense.  
10% Limestone - light brown; soft; argillaceous; non-crystalline; dense.  
10% Shale - as above.
- 1830-1835 Shale - as above.  
30% Anhydrite - light to dark brown; soft; non-crystalline; dense.
- 1835-1840 60% Anhydrite - as above.  
40% Shale - as above.
- 1840-1845 Limestone - light to dark brown; soft; argillaceous; dolomitized in part; non-crystalline; dense.  
20% Shale - medium greenish grey; medium to dark grey; soft; argillaceous; slightly calcareous.
- 1845-1850 Anhydrite - cream, light grey; soft; non-crystalline to micro-crystalline; dense.  
20% Shale - olive, medium to dark grey; soft; argillaceous; slightly calcareous.
- 1850-1855 Anhydrite - buff to dark brown; soft; micro-crystalline; dense.  
10% Shale - medium greenish grey; medium to dark grey; soft; argillaceous; slightly calcareous.
- 1855-1860 Anhydrite - as above.  
20% Shale - as above.
- 1860-1865 Anhydrite - buff, light brown; soft; non-crystalline; dense; calcareous.  
20% Shale - as above.
- 1865-1870 Shale - brownish grey, dark grey; soft; argillaceous; slightly calcareous.  
40% Anhydrite - cream, light grey; soft; non-crystalline; dense.
- 1870-1875 Anhydrite - buff to dark brown; soft; non-crystalline; to micro-crystalline; dense.  
20% Shale - medium greenish grey, medium to dark grey; soft; argillaceous; slightly calcareous.
- 1875-1885 Anhydrite - buff, light brown, light grey; soft; non-crystalline; dense.  
30% Shale - as above.
- 1885-1890 Anhydrite - as above.  
20% Shale - as above.

- 1890-1900 Anhydrite - as above.  
10% Shale - as above.
- 1900-1905 Anhydrite - as above.  
5% Shale - as above.
- 1905-1910 Anhydrite - cream, light grey; soft; non-crystalline; dense.  
Trace of Shale - as above.
- 1910-1915 Anhydrite - buff, light brown; soft; non-crystalline; dense.  
Trace of Shale - as above.
- 1915-1920 Anhydrite - light reddish brown; soft; non-crystalline; dense.  
5% Shale - as above.
- 1920-1930 Anhydrite - buff, light grey, light reddish brown; soft;  
non-crystalline; dense.  
Trace of Shale - as above.
- 1930-1940 Anhydrite - buff, light brown, light grey; soft; non-  
crystalline; dense.  
40% Shale - medium greenish grey, medium to dark grey;  
soft; argillaceous; slightly calcareous.
- 1940-1945 Anhydrite - as above.  
10% Shale - as above.
- 1945-1950 Interbedded Limestone and Anhydrite.  
Limestone - buff; very soft; non-crystalline, very anhydritic;  
dense.  
50% Anhydrite - light to medium brown; soft; non-crystalline;  
dense; calcareous.  
Trace of Shale - as above.
- 1950-1955 Anhydrite - cream, light brown, light grey, non-crystalline;  
dense.  
20% Shale - as above.
- 1955-1960 Anhydrite - buff, light brown; non-crystalline; soft; dense.  
Trace of shale - as above.
- 1960-1965 Anhydrite - light to medium brown; soft; non-crystalline;  
dense; calcareous.  
20% Shale - light to dark grey; soft; argillaceous;  
slightly calcareous.
- 1965-1970 Anhydrite - buff to medium brown; soft; non-crystalline;  
dense; calcareous in part.  
20% Shale - medium greenish grey, medium to dark grey;  
soft; argillaceous; slightly calcareous.
- 1970-1975 Anhydrite - buff to medium reddish brown; soft; non-crystalline;  
dense.  
10% Shale - as above.
- 1975-1980 Anhydrite - buff to medium reddish brown, light grey; soft;  
non-crystalline; dense.  
5% Shale - as above.

1980-1990 Anhydrite - buff to medium brown, light grey; soft; non-crystalline; dense.  
10% Shale - as above.

1990-1995 Anhydrite - buff, light brown, light grey; soft; non-crystalline; dense.  
10% Shale - brownish grey, light to dark grey; soft; argillaceous; slightly calcareous.

1995-2000 Anhydrite - as above.  
20% Shale - as above.

2000-2005 Anhydrite - buff to medium brown, light grey; soft; non-crystalline; dense.  
20% Shale - medium greenish grey, light to dark grey; soft; argillaceous; slightly calcareous.

2005-2015 Anhydrite - light brown, light to medium grey; soft; non-crystalline; dense.  
10% Shale - medium brown, medium to dark grey; soft; argillaceous; slightly calcareous.

2015-2025 Anhydrite - buff, light brown, light to medium grey; soft; non-crystalline; vuggy porosity.  
40% Salt.  
10% Shale - medium to dark grey; soft; argillaceous; slightly calcareous.

2025-2035 Anhydrite - as above.  
40% Salt  
20% Shale - as above.

2035-2055 Anhydrite - buff, light grey, light brown to medium reddish brown; soft; non-crystalline; vuggy porosity.  
40% Salt  
20% Shale - medium greenish grey, medium to dark grey; soft; argillaceous; slightly calcareous.

2055-2080 Anhydrite - light grey, buff to light brown; soft; non-crystalline; vuggy porosity.  
40% Salt  
30% Shale - as above.

2080-2100 Anhydrite - light grey, buff to medium reddish brown; soft; non-crystalline; vuggy porosity.  
40% Salt.  
20% Shale - as above.

2100-2110 Anhydrite - buff, light to medium grey; soft; non-crystalline; vuggy porosity.  
30% Salt  
30% Shale - as above.

**2110-2115 Anhydrite - as above.**

**30% salt as above.**

**20% shale as above.**

**10% sandstone - clear, red, quartzose; loose grained;  
medium grained; sub-angular to rounded.**

**2115-2155 Anhydrite - light to medium grey, buff, medium brown;  
non-crystalline; vuggy porosity.**

**30% shale - medium greenish grey, medium to dark grey;  
soft; argillaceous; slightly calcareous.**

**30% salt.**

**2155-2160 Anhydrite - light grey, buff to medium reddish brown;  
soft; non-crystalline; vuggy porosity.**

**20% shale - medium greenish grey, medium to dark grey;  
soft; argillaceous; slightly calcareous.**

**10% salt.**

**2160-2165 Anhydrite - as above.**

**30% - shale as above.**

**10% salt.**

**2165-2175 Anhydrite - white, light grey, medium brown; soft;  
sugary to non-crystalline; vuggy porosity.**

**20% shale - as above.**

**5% salt.**

**2175-2180 Anhydrite - white, light grey, buff to medium brown;**

**soft; sugary to micro-crystalline; spotty vuggy porosity.**

**20% shale - as above.**

**2180-2200 Anhydrite - white, buff, light - medium dark brown; soft;**

**sugary to micro-crystalline; calcareous.**

**5% shale - as above.**

**2200-2215 Anhydrite - white and black, sugary crystalline; buff**

**to dark brown; soft; micro-crystalline; dense.**

**5% shale - as above.**

**2215-2230 Anhydrite - buff, light to dark brown, light to dark**

**grey; soft; non-crystalline; dense.**

**10% shale - medium greenish grey, medium to dark grey;**

**soft; argillaceous; slightly calcareous.**

**2230-2250 Anhydrite - buff to dark brown; soft; non-crystalline;**

**dense.**

**10% shale - as above.**

**2250-2350 Siliceous Argillite - light green, light to dark red;**

**extremely hard.**

**2350-2360 Argillite - light greenish grey; very hard; siliceous**

**in part.**

2380-2388 Argillite - light greenish grey; very hard; siliceous in part.

20% sandstone - quartzose; mottled clear and red; very hard; medium grained, angular; siliceous matrix.

2388-2390 Sandstone - as above.

40% argillite - as above.

2390-2420 Sandstone - mottled clear, red, green; quartzose; very hard; medium grained, angular; siliceous matrix.

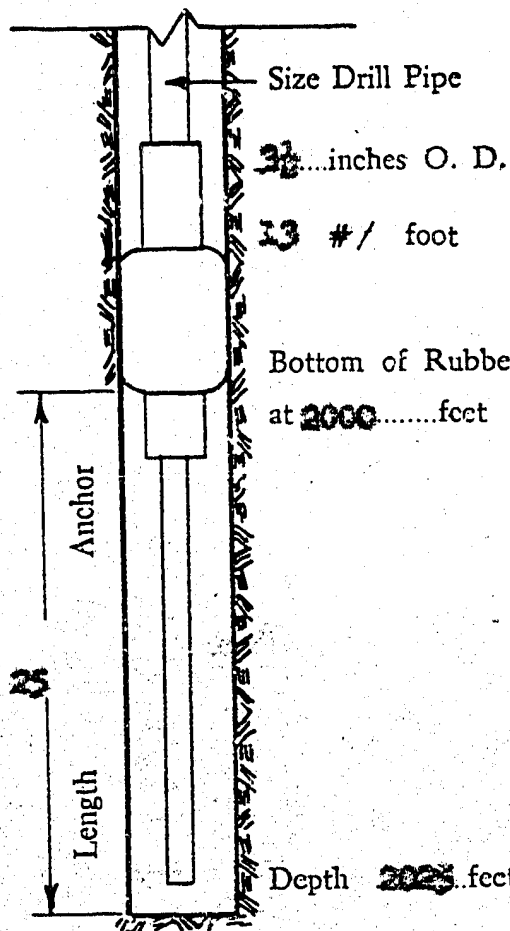
10% argillite - light green, light red; very hard; siliceous in part.

10% clay - white; very soft; silty; slightly calcareous.

# DRILL STEM TEST REPORT

Well Testrol 3A Test No. 1 Date July 25, 1952

Testing Company M.O. Johnston Operator J. Hester



O. D. of Packer Rubber 5 1/2 Size Choke 3  
 Type of Packer: Anchor Type x Hookwall  
 Formation Tested  
 Zone Tested: From 2000 To 2025  
 Depth of Well 2025  
 Time Waiting on Tester  
 Mud: Weight A.P.I. Viscosity Gel

Time Tester Started in Hole 8:15 A.M.  
 Time Tester on Bottom 10:30 A.M.  
 Packer Set with-Weight 10,000 Points  
 Time Tester Opened 10:36 A.M.  
 Time Tester Closed 11:40 A.M.  
 Time Packer Pulled Loose 11:42 A.M.  
 Packer Pulled Loose with-Weight Points 13,000 lbs.  
 Time Tester Out of Hole

When Tool Opened: Blow Noticeable. Yes x No  
 Air Displaced. Yes x No  
 Mud Level Drop Yes x No  
 Gas Flow Mcf./day, Measured Est.  
 Was flare lit, Yes x No x Length Flame  
 Size of Riser Inches, I.D.

Total Fluid in Drill Pipe: 8 Stands 240 Feet Bbls.

Oil in Drill Pipe (Gassy)  
 (Dead) Stands Feet Bbls.

Mud in Drill Pipe (Gassy)  
 (Dead) 8 Stands 240 Feet Bbls.

Water in Drill Pipe (Gassy)  
 (Dead) Stands Feet Bbls.

Samples sent to By:

Water: Salty, Sulphur, Brackish, Fresh (Cross out terms that do not apply)

Note: Samples of Oil and Water must be taken.

Remarks: Hi-run, packer did not seat

Put additional remarks or other information on back of sheet.

Present at Test Jayson, Tester, Tool push and crew

Do you consider that test was satisfactory: Yes No

Does chart show normal operation of tester? Yes No

Pressure on chart (Hydrostatic) before tester opened 1250

Pressure on chart (Flowing) with tester open

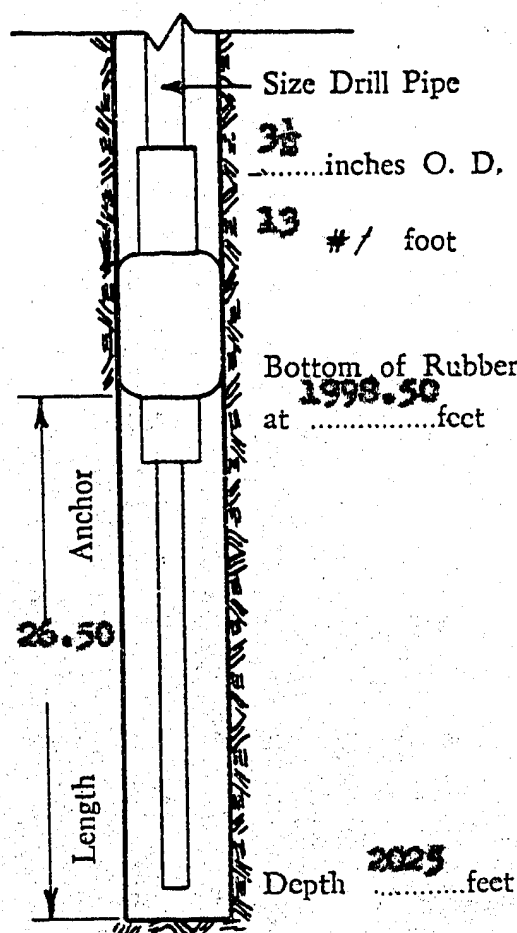
Is chart attached: Yes x No Who has it

Note: Chart must be forwarded if pressure bomb is used, whether test successful or not.

Engineer: A.B. Popaford

# DRILL STEM TEST REPORT

Well Westerol 3A Test No. 2 Date July 25, 1952  
 Testing Company M.O. Johnston Operator J. McMaster



O. D. of Packer Rubber 5 1/2 Size Choke 1 1/2  
 Type of Packer: Anchor Type X Hookwall  
 Formation Tested 1998.50  
 Zone Tested: From 2025 To 2025  
 Depth of Well  
 Time Waiting on Tester 72  
 Mud: Weight A.P.I. Viscosity 56 Gel

Time Tester Started in Hole 3:00 P.M.  
 Time Tester on Bottom 4:10 P.M.  
 Packer Set with Weight 20,000 Points 10  
 Time Tester Opened 4:15 P.M.  
 Time Tester Closed 4:20 P.M.  
 Time Packer Pulled Loose  
 Packer Pulled Loose with Weight Points  
 Time Tester Out of Hole

When Tool Opened: Blow Noticeable, Yes X No  
 Air Displaced, Yes X No  
 Mud Level Drop, Yes X No  
 Gas Flow Mcf./day Measured Est.  
 Was flare lit, Yes No Length Flame  
 Size of Riser Inches, I.D.

Total Fluid in Drill Pipe: 10 Stands 300 Feet Bbls.

Oil in Drill Pipe (Gassy)  
 (Dead) Stands Feet Bbls.

Mud in Drill Pipe XXXX  
 (Dead) 10 Stands 300 Feet Bbls.

Water in Drill Pipe (Gassy)  
 (Dead) Stands Feet Bbls.

Samples sent to By:

Water: Salty, Sulphur, Brackish, Fresh (Cross out terms that do not apply)

Note: Samples of Oil and Water must be taken.

Remarks: Plasma - packer did not seat

Put additional remarks or other information on back of sheet.

Present at Test

Do you consider that test was satisfactory: Yes No X

Does chart show normal operation of tester? Yes No

Pressure on chart (Hydrostatic) before tester opened

Pressure on chart (Flowing) with tester open

Is chart attached: Yes No Who has it

Note: Chart must be forwarded if pressure bomb is used, whether test successful or not.

Engineer: H. E. Soperford

## TIME DRILLING RECORD

WESTERCL 3A

July 14th, 1952

| Depth<br>from | to  | Time elapsed<br>minutes | Depth<br>from | to  | Time elapsed<br>minutes |                         |
|---------------|-----|-------------------------|---------------|-----|-------------------------|-------------------------|
| 95            | 100 | 5                       | 340           | 345 | 5                       |                         |
| 100           | 105 | 5                       | 345           | 350 | 4                       |                         |
| 105           | 110 | 5                       | 350           | 355 | 4                       |                         |
| 110           | 115 | 5                       | 355           | 360 | 6                       |                         |
| 115           | 120 | 4                       | 360           | 365 | 10                      |                         |
| 120           | 126 | 8                       | 365           | 370 | 10                      |                         |
| 126           | 130 | 4                       | 370           | 375 | 25                      | Trip                    |
| 130           | 135 | 8                       | 375           | 380 | 8                       |                         |
| 135           | 140 | 5                       | 380           | 385 | 7                       |                         |
| 140           | 145 | 7                       | 385           | 390 | 2                       |                         |
| 145           | 150 | 5                       | 390           | 395 | 1                       |                         |
| 150           | 155 | 6                       | 395           | 400 | 1                       |                         |
| 155           | 160 | 6                       | 400           | 405 | 1                       |                         |
| 160           | 165 | 3                       | 405           | 410 | 6                       |                         |
| 165           | 170 | 5                       | 410           | 415 | 1                       |                         |
| 170           | 175 | 5                       | 415           | 420 | 5                       |                         |
| 175           | 180 | 5                       | 420           | 425 | 9                       |                         |
| 180           | 185 | 4                       | 425           | 430 | 10                      |                         |
| 185           | 190 | 5                       | 430           | 435 | 15                      |                         |
| 190           | 195 | 5                       | 435           | 440 | 16                      |                         |
| 195           | 200 | 4                       | 440           | 445 | 5                       |                         |
| 200           | 205 | 4                       | 445           | 450 | 11                      |                         |
| 205           | 210 | 5                       | 450           | 455 | 11                      |                         |
| 210           | 215 | 5                       | 455           | 460 | 12                      |                         |
| 215           | 220 | 6                       | 460           | 465 | 15                      |                         |
| 220           | 225 | 5                       | 465           | 470 | 13                      |                         |
| 225           | 230 | 8                       | 470           | 475 | 11                      |                         |
| 230           | 235 | 5                       | 475           | 480 | 11                      |                         |
| 235           | 240 | 3                       | 480           | 485 | 15                      |                         |
| 240           | 245 | 4                       | 485           | 490 | 15                      |                         |
| 245           | 250 | 5                       | 490           | 495 | 20                      |                         |
| 250           | 255 | 3                       | 495           | 500 | 12                      |                         |
| 255           | 260 | 3                       | 500           | 505 | 14                      |                         |
| 260           | 265 | 4                       | 505           | 510 | 22                      |                         |
| 265           | 270 | 4                       | 510           | 515 | 37                      | Trip-working<br>on pump |
| 270           | 275 | 4                       |               |     |                         |                         |
| 275           | 280 | 3                       | 515           | 520 | 20                      |                         |
| 280           | 285 | 6                       | 520           | 525 | 22                      |                         |
| 285           | 290 | 4                       | 525           | 527 | 4                       |                         |
| 290           | 295 | 5                       | 527           | 530 | 8                       |                         |
| 295           | 300 | 9                       | 530           | 535 |                         | Rig serviced            |
| 300           | 305 | 7                       | 535           | 540 | 14                      |                         |
| 305           | 310 | 9                       | 540           | 545 | 15                      |                         |
| 310           | 315 | 3                       | 545           | 550 | 16                      |                         |
| 315           | 320 | 4                       | 550           | 555 | 16                      |                         |
| 320           | 325 | 3                       | 555           | 557 | 2                       |                         |
| 325           | 330 | 5                       | 557           | 560 | 7                       |                         |
| 330           | 335 | 5                       | 560           | 565 | 13                      |                         |
| 335           | 340 | 5                       | 565           | 570 | 13                      |                         |

|     |     |    |
|-----|-----|----|
| 570 | 575 | 13 |
| 575 | 580 | 15 |
| 580 | 585 | 17 |
| 585 | 587 | 7  |
| 587 | 589 | 6  |
| 589 | 593 | 16 |
| 593 | 595 | 8  |
| 595 | 600 | 7  |
| 600 | 602 | 2  |
| 602 | 604 | 2  |
| 604 | 606 | 2  |
| 606 | 608 | 2  |
| 608 | 610 | 2  |
| 610 | 612 | 2  |
| 612 | 614 | 2  |
| 614 | 616 | 3  |
| 616 | 618 | 2  |
| 618 | 620 | 2  |
| 620 | 622 | 3  |
| 622 | 624 | 2  |
| 624 | 626 | 2  |
| 626 | 628 | 2  |
| 628 | 630 | 2  |
| 630 | 632 | 2  |
| 632 | 634 | 2  |
| 634 | 636 | 2  |
| 636 | 638 | 3  |
| 638 | 640 | 3  |
| 640 | 642 | 3  |
| 642 | 644 | 2  |
| 644 | 646 | 3  |
| 646 | 648 | 2  |
| 648 | 649 | 1  |
| 649 | 651 | 2  |
| 651 | 653 | 2  |
| 653 | 655 | 2  |
| 655 | 657 | 3  |
| 657 | 659 | 3  |
| 659 | 661 | 3  |
| 661 | 663 | 2  |
| 663 | 665 | 2  |
| 665 | 667 | 2  |
| 667 | 669 | 3  |
| 669 | 671 | 2  |
| 671 | 673 | 2  |
| 673 | 675 | 2  |
| 675 | 677 | 3  |
| 677 | 679 | 2  |
| 679 | 681 | 2  |
| 681 | 683 | 2  |
| 683 | 685 | 2  |
| 685 | 687 | 3  |
| 687 | 689 | 2  |
| 689 | 691 | 2  |
| 691 | 693 | 2  |
| 693 | 695 | 3  |
| 695 | 697 | 3  |
| 697 | 699 | 3  |
| 699 | 701 | 3  |

|     |     |   |
|-----|-----|---|
| 701 | 703 | 3 |
| 703 | 705 | 2 |
| 705 | 707 | 2 |
| 707 | 709 | 3 |
| 709 | 711 | 3 |
| 711 | 713 | 2 |
| 713 | 715 | 2 |
| 715 | 717 | 3 |
| 717 | 719 | 2 |
| 719 | 721 | 2 |
| 721 | 723 | 3 |
| 723 | 725 | 2 |
| 725 | 727 | 2 |
| 727 | 729 | 3 |
| 729 | 731 | 3 |
| 731 | 733 | 2 |
| 733 | 735 | 2 |
| 735 | 737 | 3 |
| 737 | 739 | 4 |
| 739 | 741 | 3 |
| 741 | 742 | 1 |
| 742 | 744 | 2 |
| 744 | 746 | 3 |
| 746 | 748 | 3 |
| 748 | 750 | 4 |
| 750 | 752 | 3 |
| 752 | 754 | 3 |
| 754 | 756 | 3 |
| 756 | 758 | 4 |
| 758 | 760 | 4 |
| 760 | 762 | 3 |
| 762 | 764 | 3 |
| 764 | 766 | 3 |
| 766 | 768 | 4 |
| 768 | 770 | 3 |
| 770 | 772 | 3 |
| 772 | 774 | 2 |
| 774 | 776 | 2 |
| 776 | 778 | 2 |
| 778 | 780 | 1 |
| 780 | 782 | 2 |
| 782 | 784 | 2 |
| 784 | 786 | 3 |
| 786 | 788 | 2 |
| 788 | 790 | 2 |
| 790 | 792 | 2 |
| 792 | 794 | 2 |
| 794 | 796 | 2 |
| 796 | 798 | 2 |
| 798 | 800 | 2 |
| 800 | 802 | 2 |
| 802 | 803 | 1 |
| 803 | 805 | 5 |
| 805 | 807 | 2 |
| 807 | 809 | 2 |
| 809 | 811 | 2 |
| 811 | 813 | 2 |
| 813 | 815 | 2 |
| 815 | 817 | 2 |

|     |     |   |      |      |   |
|-----|-----|---|------|------|---|
| 817 | 819 | 2 | 926  | 928  | 3 |
| 819 | 821 | 3 | 928  | 930  | 2 |
| 821 | 823 | 2 | 930  | 932  | 2 |
| 823 | 825 | 3 | 932  | 934  | 2 |
| 825 | 827 | 2 | 934  | 936  | 3 |
| 827 | 829 | 2 | 936  | 938  | 2 |
| 829 | 831 | 2 | 938  | 940  | 2 |
| 831 | 833 | 2 | 940  | 942  | 3 |
| 833 | 835 | 2 | 942  | 944  | 2 |
| 835 | 837 | 2 | 944  | 946  | 2 |
| 837 | 839 | 2 | 946  | 948  | 2 |
| 839 | 841 | 3 | 948  | 950  | 3 |
| 841 | 843 | 2 | 950  | 952  | 2 |
| 843 | 845 | 2 | 952  | 954  | 3 |
| 845 | 847 | 2 | 954  | 956  | 2 |
| 847 | 849 | 3 | 956  | 959  | 3 |
| 849 | 851 | 3 | 959  | 960  | 2 |
| 851 | 853 | 2 | 960  | 962  | 2 |
| 853 | 855 | 3 | 962  | 964  | 2 |
| 855 | 857 | 3 | 964  | 966  | 2 |
| 857 | 859 | 2 | 966  | 968  | 2 |
| 859 | 861 | 3 | 968  | 970  | 2 |
| 861 | 863 | 3 | 970  | 972  | 2 |
| 863 | 865 | 3 | 972  | 974  | 2 |
| 865 | 867 | 2 | 974  | 976  | 2 |
| 867 | 869 | 2 | 976  | 978  | 3 |
| 869 | 871 | 2 | 978  | 980  | 2 |
| 871 | 873 | 3 | 980  | 982  | 3 |
| 873 | 875 | 2 | 982  | 984  | 2 |
| 875 | 877 | 2 | 984  | 986  | 4 |
| 877 | 879 | 3 | 986  | 988  | 4 |
| 879 | 881 | 3 | 988  | 990  | 3 |
| 881 | 883 | 2 | 990  | 992  | 3 |
| 883 | 885 | 3 | 992  | 994  | 3 |
| 885 | 887 | 3 | 994  | 996  | 2 |
| 887 | 889 | 2 | 996  | 998  | 2 |
| 889 | 891 | 2 | 998  | 1000 | 2 |
| 891 | 893 | 3 | 1000 | 1002 | 3 |
| 893 | 895 | 3 | 1002 | 1004 | 3 |
| 895 | 897 | 2 | 1004 | 1006 | 2 |
| 897 | 899 | 3 | 1006 | 1008 | 2 |
| 899 | 901 | 2 | 1008 | 1010 | 2 |
| 901 | 903 | 4 | 1010 | 1012 | 2 |
| 903 | 905 | 3 | 1012 | 1014 | 2 |
| 905 | 907 | 2 | 1014 | 1016 | 2 |
| 907 | 908 | 4 | 1016 | 1018 | 3 |
| 908 | 910 | 3 | 1018 | 1020 | 4 |
| 910 | 912 | 3 | 1020 | 1022 | 3 |
| 912 | 914 | 2 | 1022 | 1024 | 2 |
| 914 | 916 | 3 | 1024 | 1026 | 2 |
| 916 | 918 | 3 | 1026 | 1028 | 2 |
| 918 | 920 | 3 | 1028 | 1030 | 1 |
| 920 | 922 | 2 | 1030 | 1032 | 3 |
| 922 | 924 | 2 | 1032 | 1034 | 2 |
| 924 | 926 | 3 | 1034 | 1036 | 2 |

|      |      |            |      |      |   |            |
|------|------|------------|------|------|---|------------|
| 1036 | 1038 | 2          | 1146 | 1148 | 3 | Connection |
| 1038 | 1040 | 2          |      |      |   |            |
| 1040 | 1042 | 2          | 1148 | 1150 | 4 |            |
| 1042 | 1044 | 2          | 1150 | 1152 | 3 |            |
| 1044 | 1046 | 2          | 1152 | 1154 | 4 |            |
| 1046 | 1048 | 1          | 1154 | 1156 | 3 |            |
| 1048 | 1050 | 3          | 1156 | 1158 | 3 |            |
| 1050 | 1052 | 3          | 1158 | 1160 | 3 |            |
| 1052 | 1054 | 3          | 1160 | 1162 | 3 |            |
| 1054 | 1056 | 2          | 1162 | 1164 | 2 |            |
| 1056 | 1058 | 2          | 1164 | 1166 | 3 |            |
| 1058 | 1060 | 3          | 1166 | 1168 | 3 |            |
| 1060 | 1062 | 2          | 1168 | 1170 | 2 |            |
| 1062 | 1064 | 2          | 1170 | 1172 | 3 |            |
| 1064 | 1066 | 3          | 1172 | 1174 | 3 |            |
| 1066 | 1068 | 2          | 1174 | 1176 | 4 |            |
| 1068 | 1070 | 2          | 1176 | 1178 | 2 |            |
| 1070 | 1072 | 2          | 1178 | 1180 | 3 |            |
| 1072 | 1074 | 2          | 1180 | 1182 | 2 |            |
| 1074 | 1076 | 3          | 1182 | 1184 | 2 |            |
| 1076 | 1078 | 3          | 1184 | 1186 | 3 |            |
| 1078 | 1080 | 2          | 1186 | 1188 | 2 |            |
| 1080 | 1082 | 3          | 1188 | 1190 | 2 |            |
| 1082 | 1084 | 3          | 1190 | 1192 | 4 |            |
| 1084 | 1086 | 2          | 1192 | 1194 | 3 |            |
| 1086 | 1088 | 2          | 1194 | 1196 | 2 |            |
| 1088 | 1090 | 2          | 1196 | 1198 | 3 |            |
| 1090 | 1092 | 3          | 1198 | 1200 | 2 |            |
| 1092 | 1094 | 3          | 1200 | 1202 | 2 |            |
| 1094 | 1096 | 2          | 1202 | 1204 | 3 |            |
| 1096 | 1098 | 2          | 1204 | 1206 | 3 |            |
| 1098 | 1100 | 2          | 1206 | 1208 | 3 |            |
| 1100 | 1102 | 3          | 1208 | 1210 | 3 |            |
| 1102 | 1104 | 2          | 1210 | 1212 | 3 |            |
| 1104 | 1106 | 3          | 1212 | 1214 | 3 |            |
| 1106 | 1108 | 3          | 1214 | 1216 | 3 |            |
| 1108 | 1110 | 3          | 1216 | 1218 | 3 |            |
| 1110 | 1112 | 3          | 1218 | 1220 | 2 |            |
| 1112 | 1114 | 3          | 1220 | 1222 | 2 |            |
| 1114 | 1116 | 2          | 1222 | 1224 | 3 |            |
| 1116 | 1118 | 2          | 1224 | 1226 | 3 |            |
| 1118 | 1120 | 2          | 1226 | 1228 | 3 |            |
| 1120 | 1122 | 3          | 1228 | 1230 | 3 |            |
| 1122 | 1124 | 2          | 1230 | 1232 | 3 |            |
| 1124 | 1126 | 2          | 1232 | 1234 | 3 |            |
| 1126 | 1128 | 2          | 1234 | 1236 | 3 |            |
| 1128 | 1130 | 2          | 1236 | 1238 | 3 |            |
| 1130 | 1132 | 4          | 1238 | 1240 | 3 |            |
| 1132 | 1134 | 3          | 1240 | 1242 | 3 |            |
| 1134 | 1136 | 5          | 1242 | 1244 | 3 |            |
| 1136 | 1138 | 5          | 1244 | 1246 | 3 |            |
| 1138 | 1140 | 6          | 1246 | 1248 | 3 |            |
| 1140 | 1142 | 4          | 1248 | 1250 | 3 |            |
| 1142 | 1144 | 10         | 1250 | 1252 | 3 |            |
|      |      | Change bit | 1252 | 1254 | 3 |            |
| 1144 | 1146 | 2          | 1254 | 1256 | 4 |            |

|      |      |    |
|------|------|----|
| 1256 | 1258 | 2  |
| 1258 | 1260 | 3  |
| 1260 | 1262 | 4  |
| 1262 | 1264 | 2  |
| 1264 | 1266 | 6  |
| 1266 | 1268 | 6  |
| 1268 | 1270 | 5  |
| 1270 | 1272 | 5  |
| 1272 | 1274 | 4  |
| 1274 | 1276 | 4  |
| 1276 | 1278 | 5  |
| 1278 | 1280 | 4  |
| 1280 | 1282 | 4  |
| 1282 | 1284 | 4  |
| 1284 | 1286 | 4  |
| 1286 | 1288 | 4  |
| 1288 | 1290 | 4  |
| 1290 | 1292 | 3  |
| 1292 | 1294 | 4  |
| 1294 | 1296 | 3  |
| 1296 | 1298 | 3  |
| 1298 | 1300 | 4  |
| 1300 | 1302 | 4  |
| 1302 | 1304 | 5  |
| 1304 | 1306 | 6  |
| 1306 | 1308 | 7  |
| 1308 | 1310 | 5  |
| 1310 | 1312 | 5  |
| 1312 | 1314 | 11 |
| 1314 | 1316 | 12 |
| 1316 | 1318 | 15 |
| 1318 | 1320 | 18 |
| 1320 | 1322 | 17 |
| 1322 | 1324 | 16 |
| 1324 | 1326 | 17 |
| 1326 | 1328 | 18 |
| 1328 | 1330 | 18 |
| 1330 | 1332 | 17 |
| 1332 | 1334 | 15 |
| 1334 | 1336 | 15 |
| 1336 | 1338 | 17 |
| 1338 | 1340 | 17 |
| 1340 | 1342 | 15 |
| 1342 | 1344 | 14 |
| 1344 | 1346 | 15 |
| 1346 | 1348 | 16 |
| 1348 | 1350 | 14 |
| 1350 | 1352 | 19 |
| 1352 | 1354 | 20 |
| 1354 | 1356 | 21 |
| 1356 | 1358 | 22 |
| 1358 | 1360 | 21 |
| 1360 | 1362 | 19 |
| 1362 | 1364 | 20 |
| 1364 | 1366 | 15 |
| 1366 | 1368 | 15 |
| 1368 | 1370 | 16 |
| 1370 | 1372 | 15 |

|      |      |    |
|------|------|----|
| 1372 | 1374 | 15 |
| 1374 | 1376 | 17 |
| 1376 | 1378 | 16 |
| 1378 | 1380 | 17 |
| 1380 | 1382 | 18 |
| 1382 | 1384 | 16 |
| 1384 | 1386 | 19 |
| 1386 | 1388 | 15 |
| 1388 | 1390 | 16 |
| 1390 | 1392 | 16 |
| 1392 | 1393 | 12 |
| 1393 | 1395 | 9  |
| 1395 | 1397 | 16 |
| 1397 | 1399 | 19 |
| 1399 | 1400 | 17 |
| 1400 | 1402 | 17 |
| 1402 | 1404 | 17 |
| 1404 | 1406 | 19 |
| 1406 | 1408 | 20 |
| 1408 | 1410 | 22 |
| 1410 | 1412 | 20 |
| 1412 | 1414 | 18 |
| 1414 | 1416 | 19 |
| 1416 | 1418 | 21 |
| 1418 | 1420 | 24 |
| 1420 | 1422 | 21 |
| 1422 | 1424 | 22 |
| 1424 | 1426 | 22 |
| 1426 | 1428 | 19 |
| 1428 | 1430 | 22 |
| 1430 | 1432 | 20 |
| 1432 | 1434 | 20 |
| 1434 | 1436 | 19 |
| 1436 | 1438 | 20 |
| 1438 | 1440 | 21 |
| 1440 | 1442 | 23 |
| 1442 | 1444 | 22 |
| 1444 | 1446 | 22 |
| 1446 | 1448 | 25 |
| 1448 | 1450 | 22 |
| 1450 | 1452 | 23 |
| 1452 | 1454 | 33 |
| 1454 | 1456 | 12 |
| 1456 | 1458 | 13 |
| 1458 | 1460 | 12 |
| 1460 | 1462 | 15 |
| 1462 | 1464 | 15 |
| 1464 | 1466 | 13 |
| 1466 | 1468 | 14 |
| 1468 | 1470 | 16 |
| 1470 | 1472 | 17 |
| 1472 | 1474 | 15 |
| 1474 | 1476 | 16 |
| 1476 | 1478 | 15 |
| 1478 | 1480 | 10 |
| 1480 | 1482 | 11 |
| 1482 | 1484 | 14 |
| 1484 | 1486 | 17 |

|      |      |    |      |      |    |
|------|------|----|------|------|----|
| 1486 | 1488 | 17 | 1599 | 1601 | 17 |
| 1488 | 1490 | 22 | 1601 | 1603 | 9  |
| 1490 | 1492 | 20 | 1603 | 1605 | 14 |
| 1492 | 1494 | 15 | 1605 | 1607 | 20 |
| 1494 | 1496 | 20 | 1607 | 1609 | 19 |
| 1496 | 1498 | 20 | 1609 | 1611 | 17 |
| 1498 | 1500 | 20 | 1611 | 1613 | 14 |
| 1500 | 1502 | 20 | 1613 | 1615 | 15 |
| 1502 | 1504 | 20 | 1615 | 1617 | 16 |
| 1504 | 1506 | 24 | 1617 | 1619 | 16 |
| 1506 | 1508 | 19 | 1619 | 1621 | 19 |
| 1508 | 1510 | 21 | 1621 | 1623 | 17 |
| 1510 | 1512 | 17 | 1623 | 1625 | 16 |
| 1512 | 1514 | 21 | 1625 | 1627 | 14 |
| 1514 | 1516 | 22 | 1627 | 1629 | 22 |
| 1516 | 1518 | 16 | 1629 | 1631 | 23 |
| 1518 | 1520 | 18 | 1631 | 1633 | 21 |
| 1520 | 1522 | 24 | 1633 | 1635 | 25 |
| 1522 | 1524 | 28 | 1635 | 1637 | 30 |
| 1524 | 1526 | 27 | 1637 | 1639 | 13 |
| 1526 | 1528 | 26 | 1639 | 1641 | 15 |
| 1528 | 1530 | 26 | 1641 | 1642 | 20 |
| 1530 | 1532 | 23 | 1642 | 1644 | 10 |
| 1532 | 1534 | 25 | 1644 | 1646 | 15 |
| 1534 | 1536 | 23 | 1646 | 1648 | 16 |
| 1536 | 1538 | 25 | 1648 | 1650 | 14 |
| 1538 | 1540 | 25 | 1650 | 1652 | 13 |
| 1540 | 1542 | 20 | 1652 | 1654 | 17 |
| 1542 | 1544 | 20 | 1654 | 1656 | 14 |
| 1544 | 1546 | 15 | 1656 | 1658 | 21 |
| 1546 | 1548 | 7  | 1658 | 1660 | 15 |
| 1548 | 1550 | 10 | 1660 | 1662 | 22 |
| 1550 | 1553 | 11 | 1662 | 1664 | 28 |
| 1553 | 1555 | 15 | 1664 | 1666 | 21 |
| 1555 | 1557 | 13 | 1666 | 1668 | 23 |
| 1557 | 1559 | 14 | 1668 | 1670 | 21 |
| 1559 | 1561 | 16 | 1670 | 1672 | 22 |
| 1561 | 1563 | 16 | 1672 | 1674 | 18 |
| 1563 | 1565 | 19 | 1674 | 1676 | 15 |
| 1565 | 1567 | 13 | 1676 | 1678 | 15 |
| 1567 | 1569 | 15 | 1678 | 1680 | 16 |
| 1569 | 1571 | 17 | 1680 | 1682 | 19 |
| 1571 | 1573 | 20 | 1682 | 1684 | 15 |
| 1573 | 1575 | 19 | 1684 | 1686 | 20 |
| 1575 | 1577 | 17 | 1686 | 1688 | 20 |
| 1577 | 1579 | 21 | 1688 | 1690 | 17 |
| 1579 | 1581 | 23 | 1690 | 1692 | 17 |
| 1581 | 1583 | 14 | 1692 | 1694 | 17 |
| 1583 | 1585 | 19 | 1694 | 1696 | 16 |
| 1585 | 1587 | 13 | 1696 | 1698 | 17 |
| 1587 | 1589 | 12 | 1698 | 1700 | 18 |
| 1589 | 1591 | 10 | 1700 | 1702 | 15 |
| 1591 | 1593 | 15 | 1702 | 1703 | 7  |
| 1593 | 1595 | 19 | 1703 | 1705 | 14 |
| 1595 | 1597 | 13 | 1705 | 1707 | 13 |
| 1597 | 1599 | 15 | 1707 | 1709 | 14 |

|      |      |    |      |      |    |
|------|------|----|------|------|----|
| 1709 | 1711 | 13 | 1822 | 1824 | 21 |
| 1711 | 1713 | 13 | 1824 | 1826 | 20 |
| 1713 | 1715 | 14 | 1826 | 1828 | 23 |
| 1715 | 1717 | 13 | 1828 | 1830 | 30 |
| 1717 | 1719 | 13 | 1830 | 1832 | 21 |
| 1719 | 1721 | 14 | 1832 | 1834 | 18 |
| 1721 | 1723 | 15 | 1834 | 1836 | 18 |
| 1723 | 1725 | 15 | 1836 | 1838 | 16 |
| 1725 | 1727 | 14 | 1838 | 1840 | 20 |
| 1727 | 1729 | 14 | 1840 | 1842 | 17 |
| 1729 | 1731 | 15 | 1842 | 1844 | 19 |
| 1731 | 1733 | 17 | 1844 | 1846 | 20 |
| 1733 | 1734 | 9  | 1846 | 1848 | 17 |
| 1734 | 1736 | 15 | 1848 | 1850 | 17 |
| 1736 | 1738 | 12 | 1850 | 1852 | 15 |
| 1738 | 1740 | 16 | 1852 | 1854 | 18 |
| 1740 | 1742 | 16 | 1854 | 1856 | 19 |
| 1742 | 1744 | 17 | 1856 | 1858 | 19 |
| 1744 | 1746 | 17 | 1858 | 1859 | 11 |
| 1746 | 1748 | 19 | 1859 | 1861 | 14 |
| 1748 | 1750 | 17 | 1861 | 1863 | 14 |
| 1750 | 1752 | 20 | 1863 | 1865 | 20 |
| 1752 | 1754 | 10 | 1865 | 1867 | 22 |
| 1754 | 1756 | 10 | 1867 | 1869 | 22 |
| 1756 | 1758 | 9  | 1869 | 1871 | 25 |
| 1758 | 1760 | 9  | 1871 | 1873 | 28 |
| 1760 | 1762 | 14 | 1873 | 1875 | 13 |
| 1762 | 1764 | 9  | 1875 | 1877 | 12 |
| 1764 | 1766 | 9  | 1877 | 1879 | 11 |
| 1766 | 1768 | 10 | 1879 | 1881 | 12 |
| 1768 | 1770 | 10 | 1881 | 1883 | 15 |
| 1770 | 1772 | 20 | 1883 | 1885 | 12 |
| 1772 | 1774 | 15 | 1885 | 1887 | 15 |
| 1774 | 1776 | 19 | 1887 | 1889 | 13 |
| 1776 | 1778 | 18 | 1889 | 1891 | 13 |
| 1778 | 1780 | 18 | 1891 | 1893 | 19 |
| 1780 | 1782 | 15 | 1893 | 1895 | 15 |
| 1782 | 1784 | 20 | 1895 | 1897 | 17 |
| 1784 | 1786 | 15 | 1897 | 1899 | 16 |
| 1786 | 1788 | 18 | 1899 | 1901 | 17 |
| 1788 | 1790 | 15 | 1901 | 1903 | 18 |
| 1790 | 1792 | 10 | 1903 | 1905 | 19 |
| 1792 | 1794 | 9  | 1905 | 1907 | 16 |
| 1794 | 1796 | 13 | 1907 | 1909 | 22 |
| 1796 | 1798 | 15 | 1909 | 1910 | 22 |
| 1798 | 1800 | 17 | 1910 | 1912 | 18 |
| 1800 | 1802 | 8  | 1912 | 1914 | 20 |
| 1802 | 1804 | 14 | 1914 | 1916 | 20 |
| 1804 | 1806 | 17 | 1916 | 1918 | 22 |
| 1806 | 1808 | 19 | 1918 | 1920 | 13 |
| 1808 | 1810 | 16 | 1920 | 1922 | 12 |
| 1810 | 1812 | 17 | 1922 | 1924 | 15 |
| 1812 | 1814 | 17 | 1924 | 1926 | 13 |
| 1814 | 1816 | 15 | 1926 | 1928 | 23 |
| 1816 | 1818 | 19 | 1928 | 1930 | 18 |
| 1818 | 1820 | 16 | 1930 | 1932 | 15 |
| 1820 | 1822 | 16 | 1932 | 1934 | 16 |

|      |      |    |
|------|------|----|
| 1934 | 1936 | 15 |
| 1936 | 1938 | 17 |
| 1938 | 1940 | 18 |
| 1940 | 1942 | 16 |
| 1942 | 1944 | 17 |
| 1944 | 1946 | 18 |
| 1946 | 1948 | 20 |
| 1948 | 1950 | 20 |
| 1950 | 1952 | 13 |
| 1952 | 1954 | 18 |
| 1954 | 1956 | 18 |
| 1956 | 1958 | 22 |
| 1958 | 1960 | 21 |
| 1960 | 1962 | 19 |
| 1962 | 1964 | 21 |
| 1964 | 1966 | 20 |
| 1966 | 1968 | 19 |
| 1968 | 1970 | 21 |
| 1970 | 1972 | 21 |
| 1972 | 1974 | 18 |
| 1974 | 1976 | 18 |
| 1976 | 1978 | 19 |
| 1978 | 1980 | 19 |

|      |      |   |
|------|------|---|
| 2017 | 2019 | 3 |
| 2019 | 2021 | 4 |
| 2021 | 2023 | 3 |
| 2023 | 2025 | 3 |
| 2025 | 2027 | 2 |
| 2027 | 2029 | 5 |
| 2029 | 2031 | 3 |
| 2031 | 2033 | 2 |
| 2033 | 2035 | 3 |
| 2035 | 2037 | 3 |
| 2037 | 2039 | 2 |
| 2039 | 2041 | 3 |
| 2041 | 2043 | 3 |
| 2043 | 2045 | 2 |
| 2045 | 2047 | 3 |
| 2047 | 2048 | 2 |
| 2048 | 2050 | 3 |
| 2050 | 2052 | 3 |
| 2052 | 2054 | 2 |
| 2054 | 2056 | 3 |
| 2056 | 2058 | 3 |
| 2058 | 2060 | 3 |
| 2060 | 2062 | 9 |
| 2062 | 2064 | 3 |
| 2064 | 2066 | 3 |
| 2066 | 2068 | 3 |
| 2068 | 2070 | 3 |
| 2070 | 2072 | 3 |
| 2072 | 2074 | 3 |
| 2074 | 2076 | 4 |
| 2076 | 2078 | 3 |

|      |      |    |
|------|------|----|
| 2078 | 2080 | 2  |
| 2080 | 2082 | 4  |
| 2082 | 2084 | 3  |
| 2084 | 2086 | 3  |
| 2086 | 2088 | 3  |
| 2088 | 2090 | 2  |
| 2090 | 2092 | 3  |
| 2092 | 2094 | 2  |
| 2094 | 2096 | 3  |
| 2096 | 2098 | 3  |
| 2098 | 2100 | 3  |
| 2100 | 2102 | 4  |
| 2102 | 2104 | 2  |
| 2104 | 2106 | 3  |
| 2106 | 2108 | 3  |
| 2108 | 2110 | 3  |
| 2110 | 2112 | 3  |
| 2112 | 2114 | 2  |
| 2114 | 2116 | 3  |
| 2116 | 2118 | 3  |
| 2118 | 2120 | 2  |
| 2120 | 2122 | 3  |
| 2122 | 2124 | 2  |
| 2124 | 2126 | 3  |
| 2126 | 2128 | 2  |
| 2128 | 2130 | 3  |
| 2130 | 2132 | 3  |
| 2132 | 2134 | 3  |
| 2134 | 2136 | 2  |
| 2136 | 2138 | 3  |
| 2138 | 2139 | 3  |
| 2139 | 2141 | 5  |
| 2141 | 2143 | 8  |
| 2143 | 2145 | 8  |
| 2145 | 2147 | 2  |
| 2147 | 2149 | 3  |
| 2149 | 2151 | 3  |
| 2151 | 2153 | 3  |
| 2153 | 2155 | 11 |
| 2155 | 2157 | 11 |
| 2157 | 2159 | 12 |
| 2159 | 2161 | 13 |
| 2161 | 2163 | 15 |
| 2163 | 2165 | 11 |
| 2165 | 2167 | 15 |
| 2167 | 2169 | 9  |
| 2169 | 2171 | 7  |
| 2171 | 2173 | 11 |
| 2173 | 2175 | 26 |
| 2175 | 2177 | 19 |
| 2177 | 2179 | 17 |
| 2179 | 2181 | 23 |
| 2181 | 2183 | 22 |
| 2183 | 2185 | 30 |
| 2185 | 2187 | 27 |
| 2187 | 2189 | 27 |

|      |      |    |      |      |    |
|------|------|----|------|------|----|
| 2189 | 2191 | 30 | 2296 | 2298 | 24 |
| 2191 | 2193 | 21 | 2298 | 2300 | 29 |
| 2193 | 2195 | 30 | 2300 | 2302 | 28 |
| 2195 | 2197 | 13 | 2302 | 2304 | 32 |
| 2197 | 2199 | 12 | 2304 | 2306 | 32 |
| 2199 | 2201 | 15 | 2306 | 2307 | 30 |
| 2201 | 2203 | 17 | 2307 | 2309 | 40 |
| 2203 | 2205 | 26 | 2309 | 2310 | 35 |
| 2205 | 2207 | 12 | 2310 | 2312 | 16 |
| 2207 | 2209 | 12 | 2312 | 2314 | 22 |
| 2209 | 2211 | 13 | 2314 | 2316 | 22 |
| 2211 | 2213 | 16 | 2316 | 2318 | 20 |
| 2213 | 2215 | 19 | 2318 | 2320 | 28 |
| 2215 | 2218 | 22 | 2320 | 2322 | 19 |
| 2218 | 2221 | 20 | 2322 | 2324 | 24 |
| 2221 | 2223 | 19 | 2324 | 2326 | 23 |
| 2223 | 2225 | 17 | 2326 | 2328 | 23 |
| 2225 | 2227 | 24 | 2328 | 2330 | 35 |
| 2227 | 2229 | 20 | 2330 | 2332 | 32 |
| 2229 | 2231 | 17 | 2332 | 2334 | 49 |
| 2231 | 2233 | 25 | 2334 | 2336 | 35 |
| 2233 | 2234 | 12 | 2336 | 2338 | 33 |
| 2234 | 2236 | 18 | 2338 | 2340 | 32 |
| 2236 | 2238 | 26 | 2340 | 2341 | 18 |
| 2238 | 2240 | 22 | 2341 | 2342 | 15 |
| 2240 | 2242 | 20 | 2342 | 2344 | 38 |
| 2242 | 2244 | 13 | 2344 | 2346 | 34 |
| 2244 | 2245 | 29 | 2346 | 2348 | 40 |
| 2245 | 2246 | 20 | 2348 | 2350 | 17 |
| 2246 | 2247 | 29 | 2350 | 2352 | 17 |
| 2247 | 2248 | 13 | 2352 | 2354 | 18 |
| 2248 | 2249 | 15 | 2354 | 2356 | 19 |
| 2249 | 2251 | 18 | 2356 | 2358 | 14 |
| 2251 | 2253 | 16 | 2358 | 2360 | 19 |
| 2253 | 2255 | 19 | 2360 | 2362 | 21 |
| 2255 | 2257 | 30 | 2362 | 2364 | 25 |
| 2257 | 2259 | 30 | 2364 | 2366 | 30 |
| 2259 | 2261 | 28 | 2366 | 2368 | 20 |
| 2261 | 2263 | 19 | 2368 | 2370 | 18 |
| 2263 | 2265 | 19 | 2370 | 2372 | 20 |
| 2265 | 2267 | 15 | 2372 | 2374 | 18 |
| 2267 | 2269 | 25 | 2374 | 2376 | 17 |
| 2269 | 2271 | 23 | 2376 | 2378 | 12 |
| 2271 | 2273 | 32 | 2378 | 2380 | 22 |
| 2273 | 2275 | 23 | 2380 | 2382 | 27 |
| 2275 | 2277 | 29 | 2382 | 2384 | 24 |
| 2277 | 2279 | 36 | 2384 | 2386 | 29 |
| 2279 | 2281 | 40 | 2386 | 2388 | 25 |
| 2281 | 2282 | 40 | 2388 | 2390 | 26 |
| 2282 | 2284 | 27 | 2390 | 2392 | 36 |
| 2284 | 2286 | 28 | 2392 | 2393 | 36 |
| 2286 | 2288 | 30 | 2393 | 2395 | 20 |
| 2288 | 2290 | 33 | 2395 | 2397 | 30 |
| 2290 | 2292 | 32 | 2397 | 2399 | 29 |
| 2292 | 2294 | 52 | 2399 | 2401 | 31 |
| 2294 | 2296 | 26 | 2401 | 2403 | 40 |

|      |      |    |
|------|------|----|
| 2403 | 2404 | 38 |
| 2404 | 2406 | 37 |
| 2406 | 2408 | 37 |
| 2408 | 2410 | 53 |
| 2410 | 2412 | 45 |
| 2412 | 2414 | 50 |
| 2414 | 2416 | 53 |
| 2416 | 2418 | 48 |
| 2418 | 2420 | 60 |
| 2420 | 2422 |    |

orders to  
abandon hole

**Nº 1037**

LOCATION General S-A TOUR General DATE July 21, 1952

*Baker*

- No. Stands .....  
No. Singles ..... 27  
No. Drill Collars ..... 1-2000  
Ft. up on Kelly ..... 30  
Size of Drill Pipe ..... 3 1/2  
R.P.M. ....  
Fuel Used ..... Diesel

Driller *H. Walker*  
Pusher *H. Walker*  
Engineer *H. Walker*

**Nº 1036**

LOCATION Weslat 3-A TOUR 7-7 DATE July 30/57 1957

1. Depth: From 2413 To 2422 Total 19 Hours on Bottom 5 1/4

2. Wgt. D.P. Pts. 30008 Wgt. on Bit Pts. 5-6 Rotary R.P.M. 100

3. Mud: Wgt. \_\_\_\_\_ Vis. 49 Gel. \_\_\_\_\_ Pump Pressure \_\_\_\_\_ R.P.M. \_\_\_\_\_

4. Survey: at \_\_\_\_\_ Degrees \_\_\_\_\_ Mud Added \_\_\_\_\_

5. Bit No. 22 Type W7R Size 6 1/4 Footage 29 Hrs. 10 3/4 Condition Dull

6. Bit No. \_\_\_\_\_ Type \_\_\_\_\_ Size \_\_\_\_\_ Footage \_\_\_\_\_ Hrs. \_\_\_\_\_ Condition \_\_\_\_\_

7. General: Fishing, Coring, Testing, Supplies required, Repairs, etc.

No. Stands .....  
No. Singles 7 7/10  
No. Drill Collars 1-29 3/4  
Ft. up on Kelly 30  
Size of Drill Pipe 3 1/2  
R.P.M. 120  
Fuel Used Oil

Derrick *W. J. ...*  
Cathead *H. J. ...*  
Floor *B. H. ...*  
Boilerman

Driller *L. W. Lutes*  
Pusher *B. B. Bennett*  
Engineer *M. W. Wagoner*



**Nº 720**

## LOCATION

**TOUR** *E-E-E*

DATE \_\_\_\_\_

July 22/52, 1952

1. Depth: From 1635 To 1658 Total 53 Hours on Bottom 9

2. Wgt. D.P. Pts. 20 Wgt. on Bit Pts. 6 Rotary R.P.M. 120

3. Mud: Wgt. \_\_\_\_\_ Vis. 55 Gel. \_\_\_\_\_ Pump Pressure 500 R.P.M. 120

4. Survey: at \_\_\_\_\_ Degrees \_\_\_\_\_ Mud Added \_\_\_\_\_

5. Bit No. 11 Type O.S.C. Size 6 1/2 Footage 91 Hrs. 13 1/2 Condition boxed

6. Bit No. 12 Type O.S.C. Size 6 1/2 Footage 57 Hrs. 8 1/2 Condition running

7. General: Fishing, Coring, Testing, Supplies required, Repairs, etc. \_\_\_\_\_

No. Stands \_\_\_\_\_  
No. Singles 23  
No. Drill Collars 12934  
Ft. up on Kelly \_\_\_\_\_  
Size of Drill Pipe 3 1/2  
R.P.M. 110  
Fuel Used Diesel

Derrick *A. Hanger*  
Cathead *H. Thies*  
Floor *B. Kish*  
Boilerman

Driller A. V. Vento  
Pusher B. B. B. B. B.  
Engineer M. W. W. W. W.

**Nº 719**

LOCATION Western 3-A TOUR 4 DATE July 22, 1952

[illegible]

1. Depth: From 1555 To 1635 Total 80 Hours on Bottom 11<sup>3</sup>/<sub>4</sub>
2. Wgt. D.P. Pts. 20 Wgt. on Bit Pts. 56 Rotary R.P.M. 110
3. Mud: Wgt. 9.6 Vis. 50 Gel. \_\_\_\_\_ Pump Pressure 500 R.P.M. 500
4. Survey: at \_\_\_\_\_ Degrees \_\_\_\_\_ Mud Added \_\_\_\_\_
5. Bit No. 11 Type 05C Size 6<sup>7</sup>/<sub>8</sub> Footage 89 Hrs. 13 Condition Running
6. Bit No. \_\_\_\_\_ Type \_\_\_\_\_ Size \_\_\_\_\_ Footage \_\_\_\_\_ Hrs. \_\_\_\_\_ Condition \_\_\_\_\_
7. General: Fishing, Coring, Testing, Supplies required, Repairs, etc.

No. Stands \_\_\_\_\_  
No. Singles 51  
No. Drill Collars 1-2934  
Ft. up on Kelly 9  
Size of Drill Pipe 3 1/2 IH  
R.P.M. 110  
Fuel Used Diesel

Derrick *L. Long*  
Cathead *P. Baber*  
Floor *W. Fraser*  
Boilerman \_\_\_\_\_

Driller *D. M. Thibault*  
Pusher *L. Bennett*  
Engineer *W. W. Bradford*

**Nº 718**

Driller \_\_\_\_\_  
Pusher \_\_\_\_\_  
Engineer \_\_\_\_\_

**Nº 717**

LOCATION Westral 3-A TOUR SPM-FAM DATE July 31/53, 195

1. Depth: From 1450 To 1504 Total 54 Hours on Bottom 2 1/4

2. Wgt. D.P. Pts. 22 Wgt. on Bit Pts. 5-6 Rotary R.P.M. 110

3. Mud: Wgt. 10.8 Vis. 45 Gel. \_\_\_\_\_ Pump Pressure 500 R.P.M. 140

4. Survey: at \_\_\_\_\_ Degrees \_\_\_\_\_ Mud Added \_\_\_\_\_

5. Bit No. 9 Type DSC Size 6 1/2 Footage 90 Hrs. 15 1/4 Condition Drill. Tool

6. Bit No. 10 Type DSC Size 6 3/4 Footage 50 Hrs. 7 1/2 Condition Running

7. General: Fishing, Coring, Testing, Supplies required, Repairs, etc. \_\_\_\_\_

W.L. 15  
F.C. 7/2

No. Stands \_\_\_\_\_  
No. Singles 47  
No. Drill Collars 1-2934  
Ft. up on Kelly 15  
Size of Drill Pipe 3 1/2  
R.P.M. 110  
Fuel Used Diesel

Derrick *J. Jones*  
Cathead *P. Jones*  
Floor *P. Jones*  
Boilerman

Driller *W. A. Johnston*  
Pusher *B. Bennett*  
Engineer *M. W. Thompson*

**Nº 716**

Nº 715

EDMONTON PRINTERS LTD.

**Nº 714**

LOCATION Western 3-A TOUR PA-8P DATE July 19, 1952

1. Depth: From 1190 To 1302 Total 162 Hours on Bottom 10<sup>3</sup>/<sub>4</sub>

2. Wgt. D.P. Pts. 20 Wgt. on Bit Pts. 5-6 Rotary R.P.M. 100

3. Mud: Wgt. 90 Vis. 38 Gel. — Pump Pressure 500 R.P.M. 700

4. Survey: at \_\_\_\_\_ Degrees \_\_\_\_\_ Mud Added \_\_\_\_\_

5. Bit No. 8 Type OSC Size 6<sup>1</sup>/<sub>4</sub> Footage 10 Hrs. 12<sup>3</sup>/<sub>4</sub> Condition Running

6. Bit No. \_\_\_\_\_ Type \_\_\_\_\_ Size \_\_\_\_\_ Footage \_\_\_\_\_ Hrs. \_\_\_\_\_ Condition \_\_\_\_\_

7. General: Fishing, Coring, Testing, Supplies required, Repairs, etc. \_\_\_\_\_

No. Stands \_\_\_\_\_  
No. Singles 42  
No. Drill Collars 1-29-34  
Ft. up on Kelly \_\_\_\_\_  
Size of Drill Pipe 3 1/2  
R.P.M. 100  
Fuel Used Diesel

Derrick *L. Spier*  
Cathead *H. Thissen*  
Floor *B. Kerr*  
Boilerman \_\_\_\_\_

Driller *H. Peters*  
Pusher *B. Bennett*  
Engineer *M. Wapford*

**Nº 713**

EDMONTON PRINTERS LTD.

**Nº 712**

LOCATION Western 3-A TOUR 9A-9P DATE July 18, 1952

12 km

- No. Stands 3  
No. Singles 35  
No. Drill Collars 129-34  
Ft. up on Kelly 1  
Size of Drill Pipe 3 1/2  
R.P.M. 100  
Fuel Used Oil

Driller *J. T. T. T.*  
Pusher *B. Bennett*  
Engineer *Mr. W. W. W.*

# OVERLAND

## DRILLING - SERVICING

### DAILY DRILLING REPORT

No 711

LOCATION Fort McMurray TOUR 100 DATE July 1, 1951

| COMPANY TIME |           |              |  | CONTRACTOR'S TIME |           |              | REMARKS                               |
|--------------|-----------|--------------|--|-------------------|-----------|--------------|---------------------------------------|
| Hour Start   | Hour Stop | Elapsed Time |  | Hour Start        | Hour Stop | Elapsed Time |                                       |
| 12.00        | 12.00     | 4            |  |                   |           |              |                                       |
|              |           |              |  |                   |           |              | Changed bit in pump & the motor       |
|              |           |              |  |                   |           |              | Run 2. 4. 11. Plug at 412.03'         |
|              |           |              |  |                   |           |              | Recovered 11. 6. 00 - 15 min. the bit |
| 12.00        | 1.30      | 1 1/2        |  |                   |           |              | Drilling Plug                         |
| 1.30         | 2.00      | 1/2          |  |                   |           |              | Run in 6. 1. 00 & working on pump     |
| 2.00         | 3.00      | 6            |  |                   |           |              | Drilling                              |
|              |           |              |  |                   |           |              |                                       |
|              |           |              |  |                   |           |              |                                       |
|              |           |              |  |                   |           |              |                                       |
|              |           |              |  |                   |           |              |                                       |
|              |           |              |  |                   |           |              |                                       |
|              |           |              |  |                   |           |              |                                       |
|              |           |              |  |                   |           |              |                                       |
|              |           |              |  |                   |           |              |                                       |
|              |           |              |  |                   |           |              |                                       |
|              |           |              |  |                   |           |              |                                       |

- Depth: From 595 To 805 Total 210 Hours on Bottom 16
- Wgt. D.P. Pts. 14 Wgt. on Bit Pts. 5 Rotary R.P.M. 150
- Mud: Wgt. 9.9 Vis. 49 Gel.    Pump Pressure 250 R.P.M.
- Survey: at    Degrees    Mud Added
- Bit No. 7 Type OSC Size 6 1/2 Footage 210 Hrs. 6 Condition Running
- Bit No.    Type    Size    Footage    Hrs.    Condition
- General: Fishing, Coring, Testing, Supplies required, Repairs, etc.

No. Stands   

No. Singles 25

No. Drill Collars 1-29-34

Ft. up on Kelly 31

Size of Drill Pipe 3 1/2 I.F.

R.P.M. 150

Fuel Used Diesel

Derrick L. Lacey

Cathead P. B. Smith

Floor P. Fraser

Boilerman   

Driller W. H. H. H. H.

Pusher B. L. L. L.

Engineer M. W. W. W.

Nº 710

LOCATION W. California 37-1 TOUR 8 DATE 10-1-57, 1957

Standing Room  
Finished champions to 1<sup>34</sup>  
Liners & back to board the  
Boarded crossing @ 2:39 p.m.  
Reading report

- No. Stands .....  
No. Singles ..... 18  
No. Drill Collars ..... 1-24-34  
Ft. up on Kelly ..... 20  
Size of Drill Pipe ..... 3 1/2  
R.P.M. ....  
Fuel Used ..... Diesel

Driller *N. J. Perkins*  
Pusher *B. Bennett*  
Engineer *M. W. Worsfold*

**Nº 709**

LOCATION Whitewater 3-2 TOUR 197-205 DATE July 17, 195

Phanag Woods & Linc  
Duffing & Co. Inc.

- No. Stands .....  
No. Singles 18 .....  
No. Drill Collars 1-22-34 .....  
Ft. up on Kelly 20 .....  
Size of Drill Pipe 3 1/2 I.D. .....  
R.P.M. ....  
Fuel Used 1.21 gal .....

Driller *W. J. ...*  
Pusher *W. J. ...*  
Engineer *W. J. ...*

# OVERLAND

## DRILLING - SERVICING

### DAILY DRILLING REPORT

No 708

LOCATION Wentworth 3-1 TOUR 9A-10 DATE August 17, 195

| COMPANY TIME |           |              | CONTRACTOR'S TIME |           |              | REMARKS                                                                                                                                                                       |
|--------------|-----------|--------------|-------------------|-----------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hour Start   | Hour Stop | Elapsed Time | Hour Start        | Hour Stop | Elapsed Time |                                                                                                                                                                               |
| 7:00         | 7:10      | 10           |                   |           |              | SERVICE RIG<br>Casing 4 1/2" ID TIGHT DOWN<br>Pump 250 GPM 7 HRS.<br>W/ 50 BAGS CEMENT 27.5<br>PA - Chloride Cement shown<br>Fishing hauled BK @ 1:30 PM<br>Standing Cemented |
| 7:10         | 1:00      | 43           |                   |           |              |                                                                                                                                                                               |
| 1:00         | 1:30      | 30           |                   |           |              |                                                                                                                                                                               |
|              |           |              |                   |           |              |                                                                                                                                                                               |
| 1:30         | 7:00      | 6 1/2        |                   |           |              |                                                                                                                                                                               |
|              |           |              |                   |           |              |                                                                                                                                                                               |
|              |           |              |                   |           |              |                                                                                                                                                                               |
|              |           |              |                   |           |              |                                                                                                                                                                               |
|              |           |              |                   |           |              |                                                                                                                                                                               |
|              |           |              |                   |           |              |                                                                                                                                                                               |
|              |           |              |                   |           |              |                                                                                                                                                                               |

- Depth: From 595' To 595' Total        Hours on Bottom
- Wgt. D.P. Pts.        Wgt. on Bit Pts.        Rotary R.P.M.
- Mud: Wgt.        Vis.        Gel.        Pump Pressure        R.P.M.
- Survey: at        Degrees        Mud Added
- Bit No.        Type        Size        Footage        Hrs.        Condition
- Bit No.        Type        Size        Footage        Hrs.        Condition
- General: Fishing, Coring, Testing, Supplies required, Repairs, etc.

No. Stands         
 No. Singles 18  
 No. Drill Collars 1.29.34  
 Ft. up on Kelly 25  
 Size of Drill Pipe 2 1/2  
 R.P.M.         
 Fuel Used Diesel

Derrick L. Spier  
 Cathead H. Thiesen  
 Floor R. Voss  
 Boilerman       

Driller H. Thiesen  
 Pusher B. Bennett  
 Engineer M. H. H. H.

№ 707

LOCATION Western 3-8 TOUR SP-2 DATE July 16 1952

1. Depth: From 527 To 595 Total 68 Hours on Bottom 33 1/4

2. Wgt. D.P. Pts. 12 Wgt. on Bit Pts. 44-5 Rotary R.P.M. 150

3. Mud: Wgt. 10.9 Vis. 44 Gel. \_\_\_\_\_ Pump Pressure 250 RPM —

4. Survey: at \_\_\_\_\_ Degrees \_\_\_\_\_ Mud Added \_\_\_\_\_

5. Bit No. 6 Type OSC Size 9" Footage 85 Hrs. 5 1/4 Condition \_\_\_\_\_

6. Bit No. \_\_\_\_\_ Type \_\_\_\_\_ Size \_\_\_\_\_ Footage \_\_\_\_\_ Hrs. \_\_\_\_\_ Condition \_\_\_\_\_

7. General: Fishing, Coring, Testing, Supplies required, Repairs, etc.

No. Stands .....  
No. Singles 18  
No. Drill Collars 1-29.34  
Ft. up on Kelly 25  
Size of Drill Pipe 3 3/4 I.F.  
R.P.M. 150  
Fuel Used Diesel

Derrick *J. Jones*  
Cathead *P. P. Jones*  
Floor *P. P. Jones*  
Boilerman \_\_\_\_\_

Driller *A. H. Johnson*  
Pusher *B. Bennett*  
Engineer *M. W. Hays*

# OVERLAND

## DRILLING - SERVICING

### DAILY DRILLING REPORT

No 706

LOCATION Wentworth 2-A TOUR 9-18 DATE July 15, 1952

| COMPANY TIME |           |              | CONTRACTOR'S TIME |           |              | REMARKS                            |
|--------------|-----------|--------------|-------------------|-----------|--------------|------------------------------------|
| Hour Start   | Hour Stop | Elapsed Time | Hour Start        | Hour Stop | Elapsed Time |                                    |
| 8:00         | 8:15      | 15           |                   |           |              | Servicing.                         |
| 8:15         | 9:00      | 45           |                   |           |              | Drlog.                             |
| 9:00         | 9:30      | 30           |                   |           |              | working on pump                    |
| 9:30         | 10:20     | 50           |                   |           |              | Drlog                              |
| 10:30        | 11:00     | 30           |                   |           |              | working on pump                    |
| 11:00        | 1:30      | 2 1/2        |                   |           |              | Drlog                              |
| 1:30         | 6:00      | 4 1/2        |                   |           |              | P. Trip. Teamed From Top To Bottom |
| 6:00         |           |              |                   |           |              |                                    |
| 1:50         | 6:30      | 1 1/2        |                   |           |              | working on pump                    |
| 6:30         | 8:00      | 1 1/2        |                   |           |              | Drlog                              |
|              |           |              |                   |           |              |                                    |
|              |           |              |                   |           |              |                                    |

- Depth: From 435' To 527' Total 92' Hours on Bottom 5 3/4
- Wgt. D.P. Pts. 12 Wgt. on Bit Pts. 4-5 Rotary R.P.M. 150
- Mud: Wgt. 8.2 Vis. 40 Gel. water added Pump Pressure 250 R.P.M. 200
- Survey: at \_\_\_\_\_ Degrees \_\_\_\_\_ Mud Added \_\_\_\_\_
- Bit No. 5 Type OSC Size 9 Footage 135' Hrs. 5 1/2 Condition Dull
- Bit No. 6 Type OSC Size 9 Footage 17 Hrs. 1 1/2 Condition Running
- General: Fishing, Coring, Testing, Supplies required, Repairs, etc.

No. Stands \_\_\_\_\_

No. Singles 12

No. Drill Collars 1-29.34

Ft. up on Kelly down

Size of Drill Pipe 3 1/2

R.P.M. 150

Fuel Used Oil

Derrick H. Jensen

Cathead H. Jensen

Floor R. Huse

Boilerman \_\_\_\_\_

Driller A. M. Jensen

Pusher R. Jensen

Engineer M. Jensen

**Nº 705**

VERMONTON PRINTERS LTD.

# OVERLAND

## DRILLING - SERVICING

### DAILY DRILLING REPORT

No 704

LOCATION Weather 3-8 TOUR TA-8 DATE July 14, 1952

| COMPANY TIME     |                  |                 | CONTRACTOR'S TIME |           |              | REMARKS                                                                                 |
|------------------|------------------|-----------------|-------------------|-----------|--------------|-----------------------------------------------------------------------------------------|
| Hour Start       | Hour Stop        | Elapsed Time    | Hour Start        | Hour Stop | Elapsed Time |                                                                                         |
| 8 <sup>00</sup>  | 9 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              | SERVICING<br>Drill RAT-hole<br>Spudded in @ 1230 PM. Drill<br>Working on pump.<br>Drill |
| 9 <sup>15</sup>  | 10 <sup>30</sup> | 1 <sup>15</sup> |                   |           |              |                                                                                         |
| 10 <sup>30</sup> | 11 <sup>30</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 11 <sup>30</sup> | 12 <sup>00</sup> | 30              |                   |           |              |                                                                                         |
| 12 <sup>00</sup> | 1 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 1 <sup>00</sup>  | 2 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 2 <sup>00</sup>  | 3 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 3 <sup>00</sup>  | 4 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 4 <sup>00</sup>  | 5 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 5 <sup>00</sup>  | 6 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 6 <sup>00</sup>  | 7 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 7 <sup>00</sup>  | 8 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 8 <sup>00</sup>  | 9 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 9 <sup>00</sup>  | 10 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 10 <sup>00</sup> | 11 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 11 <sup>00</sup> | 12 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 12 <sup>00</sup> | 1 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 1 <sup>00</sup>  | 2 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 2 <sup>00</sup>  | 3 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 3 <sup>00</sup>  | 4 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 4 <sup>00</sup>  | 5 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 5 <sup>00</sup>  | 6 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 6 <sup>00</sup>  | 7 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 7 <sup>00</sup>  | 8 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 8 <sup>00</sup>  | 9 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 9 <sup>00</sup>  | 10 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 10 <sup>00</sup> | 11 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 11 <sup>00</sup> | 12 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 12 <sup>00</sup> | 1 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 1 <sup>00</sup>  | 2 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 2 <sup>00</sup>  | 3 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 3 <sup>00</sup>  | 4 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 4 <sup>00</sup>  | 5 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 5 <sup>00</sup>  | 6 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 6 <sup>00</sup>  | 7 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 7 <sup>00</sup>  | 8 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 8 <sup>00</sup>  | 9 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 9 <sup>00</sup>  | 10 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 10 <sup>00</sup> | 11 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 11 <sup>00</sup> | 12 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 12 <sup>00</sup> | 1 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 1 <sup>00</sup>  | 2 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 2 <sup>00</sup>  | 3 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 3 <sup>00</sup>  | 4 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 4 <sup>00</sup>  | 5 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 5 <sup>00</sup>  | 6 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 6 <sup>00</sup>  | 7 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 7 <sup>00</sup>  | 8 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 8 <sup>00</sup>  | 9 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 9 <sup>00</sup>  | 10 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 10 <sup>00</sup> | 11 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 11 <sup>00</sup> | 12 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 12 <sup>00</sup> | 1 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 1 <sup>00</sup>  | 2 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 2 <sup>00</sup>  | 3 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 3 <sup>00</sup>  | 4 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 4 <sup>00</sup>  | 5 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 5 <sup>00</sup>  | 6 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 6 <sup>00</sup>  | 7 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 7 <sup>00</sup>  | 8 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 8 <sup>00</sup>  | 9 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 9 <sup>00</sup>  | 10 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 10 <sup>00</sup> | 11 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
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| 1 <sup>00</sup>  | 2 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
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| 3 <sup>00</sup>  | 4 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 4 <sup>00</sup>  | 5 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 5 <sup>00</sup>  | 6 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 6 <sup>00</sup>  | 7 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 7 <sup>00</sup>  | 8 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 8 <sup>00</sup>  | 9 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 9 <sup>00</sup>  | 10 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 10 <sup>00</sup> | 11 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 11 <sup>00</sup> | 12 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 12 <sup>00</sup> | 1 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 1 <sup>00</sup>  | 2 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 2 <sup>00</sup>  | 3 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 3 <sup>00</sup>  | 4 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 4 <sup>00</sup>  | 5 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 5 <sup>00</sup>  | 6 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 6 <sup>00</sup>  | 7 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 7 <sup>00</sup>  | 8 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 8 <sup>00</sup>  | 9 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 9 <sup>00</sup>  | 10 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 10 <sup>00</sup> | 11 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 11 <sup>00</sup> | 12 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 12 <sup>00</sup> | 1 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 1 <sup>00</sup>  | 2 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 2 <sup>00</sup>  | 3 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 3 <sup>00</sup>  | 4 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 4 <sup>00</sup>  | 5 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 5 <sup>00</sup>  | 6 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 6 <sup>00</sup>  | 7 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 7 <sup>00</sup>  | 8 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 8 <sup>00</sup>  | 9 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 9 <sup>00</sup>  | 10 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 10 <sup>00</sup> | 11 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 11 <sup>00</sup> | 12 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 12 <sup>00</sup> | 1 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 1 <sup>00</sup>  | 2 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 2 <sup>00</sup>  | 3 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 3 <sup>00</sup>  | 4 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 4 <sup>00</sup>  | 5 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 5 <sup>00</sup>  | 6 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 6 <sup>00</sup>  | 7 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 7 <sup>00</sup>  | 8 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 8 <sup>00</sup>  | 9 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 9 <sup>00</sup>  | 10 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 10 <sup>00</sup> | 11 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 11 <sup>00</sup> | 12 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 12 <sup>00</sup> | 1 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 1 <sup>00</sup>  | 2 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 2 <sup>00</sup>  | 3 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 3 <sup>00</sup>  | 4 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 4 <sup>00</sup>  | 5 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 5 <sup>00</sup>  | 6 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 6 <sup>00</sup>  | 7 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 7 <sup>00</sup>  | 8 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 8 <sup>00</sup>  | 9 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 9 <sup>00</sup>  | 10 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 10 <sup>00</sup> | 11 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 11 <sup>00</sup> | 12 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 12 <sup>00</sup> | 1 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 1 <sup>00</sup>  | 2 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 2 <sup>00</sup>  | 3 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 3 <sup>00</sup>  | 4 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 4 <sup>00</sup>  | 5 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 5 <sup>00</sup>  | 6 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 6 <sup>00</sup>  | 7 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 7 <sup>00</sup>  | 8 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 8 <sup>00</sup>  | 9 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 9 <sup>00</sup>  | 10 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 10 <sup>00</sup> | 11 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 11 <sup>00</sup> | 12 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 12 <sup>00</sup> | 1 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 1 <sup>00</sup>  | 2 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 2 <sup>00</sup>  | 3 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 3 <sup>00</sup>  | 4 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 4 <sup>00</sup>  | 5 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 5 <sup>00</sup>  | 6 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 6 <sup>00</sup>  | 7 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 7 <sup>00</sup>  | 8 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 8 <sup>00</sup>  | 9 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 9 <sup>00</sup>  | 10 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 10 <sup>00</sup> | 11 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 11 <sup>00</sup> | 12 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 12 <sup>00</sup> | 1 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 1 <sup>00</sup>  | 2 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 2 <sup>00</sup>  | 3 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 3 <sup>00</sup>  | 4 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 4 <sup>00</sup>  | 5 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 5 <sup>00</sup>  | 6 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 6 <sup>00</sup>  | 7 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 7 <sup>00</sup>  | 8 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 8 <sup>00</sup>  | 9 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 9 <sup>00</sup>  | 10 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 10 <sup>00</sup> | 11 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 11 <sup>00</sup> | 12 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 12 <sup>00</sup> | 1 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 1 <sup>00</sup>  | 2 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 2 <sup>00</sup>  | 3 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 3 <sup>00</sup>  | 4 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 4 <sup>00</sup>  | 5 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 5 <sup>00</sup>  | 6 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 6 <sup>00</sup>  | 7 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 7 <sup>00</sup>  | 8 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 8 <sup>00</sup>  | 9 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 9 <sup>00</sup>  | 10 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 10 <sup>00</sup> | 11 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 11 <sup>00</sup> | 12 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 12 <sup>00</sup> | 1 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 1 <sup>00</sup>  | 2 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 2 <sup>00</sup>  | 3 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 3 <sup>00</sup>  | 4 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 4 <sup>00</sup>  | 5 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 5 <sup>00</sup>  | 6 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 6 <sup>00</sup>  | 7 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 7 <sup>00</sup>  | 8 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 8 <sup>00</sup>  | 9 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 9 <sup>00</sup>  | 10 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 10 <sup>00</sup> | 11 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 11 <sup>00</sup> | 12 <sup>00</sup> | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 12 <sup>00</sup> | 1 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 1 <sup>00</sup>  | 2 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 2 <sup>00</sup>  | 3 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 3 <sup>00</sup>  | 4 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 4 <sup>00</sup>  | 5 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |
| 5 <sup>00</sup>  | 6 <sup>00</sup>  | 1 <sup>00</sup> |                   |           |              |                                                                                         |

**Nº 703**

LOCATION Western 2-3 TOUR PPH-3A DATE July 14<sup>th</sup>, 1952

1. Depth: From 0 To \_\_\_\_\_ Total \_\_\_\_\_ Hours on Bottom \_\_\_\_\_

2. Wgt. D.P. Pts. \_\_\_\_\_ Wgt. on Bit Pts. \_\_\_\_\_ Rotary R.P.M. \_\_\_\_\_

3. Mud: Wgt. \_\_\_\_\_ Vis. \_\_\_\_\_ Gel. \_\_\_\_\_ Pump Pressure \_\_\_\_\_ R.P.M. \_\_\_\_\_

4. Survey: at \_\_\_\_\_ Degrees \_\_\_\_\_ Mud Added \_\_\_\_\_

5. Bit No. \_\_\_\_\_ Type \_\_\_\_\_ Size \_\_\_\_\_ Footage \_\_\_\_\_ Hrs. \_\_\_\_\_ Condition \_\_\_\_\_

6. Bit No. \_\_\_\_\_ Type \_\_\_\_\_ Size \_\_\_\_\_ Footage \_\_\_\_\_ Hrs. \_\_\_\_\_ Condition \_\_\_\_\_

7. General: Fishing, Coring, Testing, Supplies required, Repairs, etc. \_\_\_\_\_

No. Stands .....  
No. Singles .....  
No. Drill Collars .....  
Ft. up on Kelly .....  
Size of Drill Pipe .....  
R.P.M. ....  
Fuel Used Diesel

Derrick *J. Long*  
Cathead *P. Berube*  
Floor *L. Fraser*  
Boilerman \_\_\_\_\_

Driller W. J. Johnson  
Pusher B. Bennett  
Engineer M. W. Johnson

№ 702

LOCATION Montreal 3-8 TOUR FP-8P DATE July 13, 1957

[illegible]

1. Depth: From 556 To 156 Total \_\_\_\_\_ Hours on Bottom \_\_\_\_\_
2. Wgt. D.P. Pts. \_\_\_\_\_ Wgt. on Bit Pts. \_\_\_\_\_ Rotary R.P.M. \_\_\_\_\_
3. Mud: Wgt. \_\_\_\_\_ Vis. \_\_\_\_\_ Gel \_\_\_\_\_ Pump Pressure \_\_\_\_\_ R.P.M. \_\_\_\_\_
4. Survey: at \_\_\_\_\_ Degrees \_\_\_\_\_ Mud Added \_\_\_\_\_
5. Bit No. \_\_\_\_\_ Type \_\_\_\_\_ Size \_\_\_\_\_ Footage \_\_\_\_\_ Hrs. \_\_\_\_\_ Condition \_\_\_\_\_
6. Bit No. \_\_\_\_\_ Type \_\_\_\_\_ Size \_\_\_\_\_ Footage \_\_\_\_\_ Hrs. \_\_\_\_\_ Condition \_\_\_\_\_
7. General: Fishing, Coring, Testing, Supplies required, Repairs, etc. \_\_\_\_\_

No. Stands .....  
No. Singles .....  
No. Drill Collars .....  
Ft. up on Kelly .....  
Size of Drill Pipe .....  
R.P.M. ....  
Fuel Used .....

Derrick 2nd floor  
Cathead 1st floor  
Floor 1st floor  
Boilerman \_\_\_\_\_

Driller W. Jones  
Pusher B. Bennett  
Engineer W. H. H. H.