

MOBIL FORT SIMPSON
M-70

Drilling Authority No. 495
Date issued 25 January 1971

WELL NAME: Model Port. Simpson M-70
FIELD: Area:
LOCATION: Unit M Section 70 Grid 62-00-122-15
Latitude 61-59-57.5 Longitude 122-27-58.9
U.W.L.R. 61.99930 --- 122.46636
U.W.I. 3001706200122150

Rig Release Date.
Status.
Information Release Date.

CHANGE OF NAME:

DATE RECEIVED	INDEX
25-1-71	Application for a Drilling Authority.
	Well Completion Data.
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No.
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells - Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells - Vitter's Method.
	M.P.R. - Oil - Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs. Large scale..... Small scale.....

Drilling Authority No. 495

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application for a Drilling Authority

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

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

Name and number of well Mobil Fort Simpson M-70

Location: Unit M Section 70 Grid 62°00'N; 122°15'W

Latitude 61°59'57.5" N Longitude 122°27'58.9" W (S.P. 176)

Unique Well Identifier 20070620012150

Reference Marker ~~XXXXXXXXXXXXXXXXXXXX~~ Central Meridian Zone 10-UTM Grid

Elevation: Ground 1202 (est) K.B. 1217 (est) feet above sea-level.

Well is expected to produce from Mantoe-Arnica formation at a depth

of about 2120 feet. Expected total final depth 3650 Pre Cambrian

Area assigned to well (for Oil Conservation Engineer's use only)

Permit No. 5535 Lease No. Acreage 60,296

Permittee, licensee, or lessee Mobil Oil Canada, Ltd.

Exploratory Licence No. 1403

Surface owned by Crown or (If directed submit name and address of owner and occupant.)

Petroleum and natural gas rights owned by Crown

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

Casing Size (O.D. (Inches))	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Each cu. Cement
1. 8 5/8	24 #	J-55	New	400	330 (to surface)
2.					
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment Double Gate & Hydril

Well will be drilled with Rotary Rig No. 9 by Kenting Exploration Services Ltd.

Suite 370, (Drilling Contractor or company)

700 - 6th Ave. S.W., Calgary

Responsible agent of applicant:— Contractor's business Licence No. 800

At well L. Leismaster At registered office J. E. Routledge

Address Financial Bldg., Edmonton Address Financial Bldg., Edmonton

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

Dated at Edmonton, this 22nd day of January 19 71

Signed by [Signature] Company Mobil Oil Canada, Ltd.

Title Production Superintendent Operator's Licence No. 1403

(For Oil and Mineral Division use only)

APPROVED

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

1. Copies of this Drilling Authority shall be exhibited at the Drilling Rig in both the Doghouse and the Drilling Foreman's Office between spud and rig release dates.
2. The Company will submit to this office, on Tuesday of each week, the latest reports

Dated 25th January 19 71 Please see over page

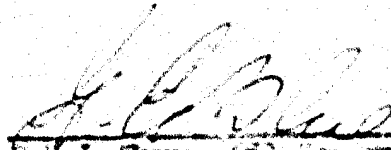
Oil Conservation Engineer

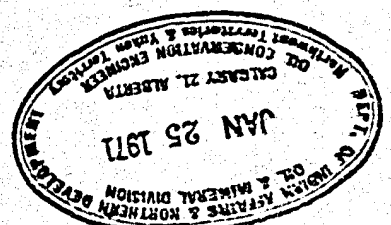
Forms to be submitted to Oil Conservation Engineer,
Department of Indian Affairs and Northern Development, Calgary, Alberta.

LAND 52-90-1 (3-69) UNIVERSAL WELL LOCATION REFERENCE: Lat. 61.99930° N.
Long. 122.46636° W.

received by radio on the progress of the well.

3. During well drilling and testing operations, every effort shall be made to ensure that drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent the contamination of adjacent vegetation and surface or sub-surface waters.
4. The surface casing shall be set and cemented full length at least 75 feet into a well consolidated formation.
5. Any additional strings of casing shall be approved by the Oil Conservation Engineer, before running.


R. J. Thorne, Oil Conservation Engineer



TIGHT HOLE

WELL DRILLING PROGRAM

WELL: Mobil Port Simpson M-70

LOCATION: 61° 59' N, 122° 28' W

ELEVATIONS: Ground: 1202 feet (estimated)
K. B. 1217 feet (estimated)

TOTAL DEPTH: 3650 feet in Precambrian.

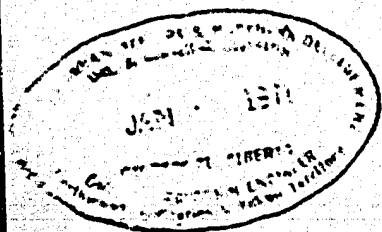
OBJECTIVE: To evaluate all potential producing horizons down to Precambrian. Primary targets are Middle Devonian, Manetoe and Arnica. Secondary targets Hume and Basal Devonian Clastics.

GEOLOGICAL PROGNOSIS: See Attachment I.

MUD PROGRAM: Drilling fluid will be a low solids, fresh water system complying with good oilfield practice.

DRILLING PROGRAM:

1. Drill 12 1/4" hole to 400 feet or further if required to penetrate 100 feet of consolidated formation. Maximum deviation to not exceed 1° to surface casing depth. Samples must be taken every 10 feet and all unsteady drilling and lost circulation problems be recorded in Mobil Oil Tour Book. A surface casing depth will be chosen when this information is available.
2. Run 8 5/8", 24#/ft., J-55, ST&C casing with guide shoe on bottom and float collar on top of the first joint. Install a centralizer on the middle of the first and second joints and centralizers on collars of joints 3 and 5. Weld or threadlock shoe, float collar and first 3 joints.
3. Cement casing on bottom with 330 cubic feet of Neat Oilwell Cement plus 2.5% CaCl₂ (slurry 15.6#/gal.). Prewarm mixing water to 90-100°F to ensure a slurry temperature of 60°F. Reciprocate casing slowly while displacing at 10 BPM. The cement volume is calculated on 100% excess for 400 feet of 12 1/4 inch hole. If additional casing is set, use 8 cubic feet for every 10 feet of hole. If lost circulation occurs while drilling surface hole, mix 1/4 lb. of Gel Flake per sack of cement in the first 100 cubic feet of slurry.
4. Wait on cement 24 hours, cut off casing and install 10" x 8 5/8" x 900 series weld-on flanged casing bowl, with outlets of bowl at ground level. Heat casing bowl to 600°F and maintain while



DRILLING PROGRAM
(CONT'D.) :

welding 2 inside and 3 outside beads. Nipple up ensuring that all kill lines and bleed off lines are secured. Pressure test blind rams and casing to 1500 psi for 15 minutes. Run in with 8 3/4 inch rock bit and pressure test hydril, pipe rams and all bleed and kill lines to 1500 psi for 15 minutes. If all tests are satisfactory drill out. Record all tests in Mobil Oil Tour Book.

5. Drill 7 7/8 inch hole to test or casing point and survey every 400 feet or more often to maintain deviation change to 2°/100' to total depth.
6. Casing will not be run until final evaluation of DST's and log results are made, a final completion and abandonment program will be made at that time.

CORING :

Coring will start following a drillstem test recovery of hydrocarbon and will continue until the reservoir is fully penetrated. Coring for stratigraphic information may be requested by the Project Team Supervisor.

NOTE: Anticipated cores are: one 60 foot in the Hume, one 100 foot in the Manetoe-Arnica and 60 foot in the Basal Devonian Clastics.

TESTING:

The first Middle Devonian and Manetoe-Arnica porosities should be tested regardless of shows. Other porous developments may be tested after consultation with the Project Team Supervisor. Departure from the full tight hole testing policy, which may be undertaken to increase the reliability of the test data, may be approved by the Area Exploration Manager. No drillstem test will be run unless a Mobil Oil Drilling Foreman is present, except in the following special circumstances:

The Drilling Foreman or Drilling Department has agreed, following discussion of test procedures, to the test being run by the well-site geologist after having been notified of any tests.

NOTE: It is anticipated that four drillstem tests will be requested, one for the Hume, Manetoe, Arnica and Basal Devonian Clastics.

SAMPLING:

One set of bagged samples at 10 foot intervals is required from surface to total depth. A washed and dried cut will be prepared by the wellsite geologist for Mobil.

**FLUID & GAS
SAMPLING:**

Samples of fluid and gas recoveries must be taken for analysis. One sample of formation water recovered from each formation tested, should be retained for benzene iodine and bromine analysis. Bottom hole samplers should be used on all drillstem tests.

FLUID & GAS

SAMPLING (CONT'D):

If water is recovered, a copy of the analysis will be all that is required by the N.W.T. Conservation Engineer. However, samples of hydrocarbon (oil/and/or gas) recoveries must be sent to the N.W.T. Conservation Engineer. One quart of oil is sufficient. One sample of water plus a representative mud sample should be taken for source analysis studies at FRL.

LOGGING:

The following logs will be run at final total depth:

- | <u>Scale</u> | <u>Interval</u> |
|--|-------------------------------------|
| 1. <u>Induction Electrical Log</u> | |
| 2" and 5" = 100' | Total depth to surface casing shoe. |
| NOTE: Use a conductivity scale sensitivity sufficient to allow readings in water saturated zones to traverse two tracks. | |
| 2. <u>Borehole Compensated Sonic Gamma Ray Caliper Log (with integrated transit time)</u> | |
| 2" and 5" = 100' | Total depth to surface casing shoe. |
| | Gamma Ray to surface |
| 3. <u>Compensated Formation Density Log:</u> | |
| 2" and 5" = 100' | Total depth to 1400 feet. |
| 4. <u>Sidewall Neutron Porosity Log:</u> | |
| 2" and 5" = 100' | Total depth to 1400 feet. |
| 5. <u>Dipmeter</u> | |
| | Total depth to surface casing shoe. |

This program may be revised by the Area Exploration Office prior to logging.

VELOCITY SURVEY:

This survey may be conducted after running logs. The final decision will be made by the Area at a later date.

SPECIAL NOTE:

A geolograph and a sample boy should be installed.

SUGGESTED DRILLING PRACTICE:

1. Maintain an annular velocity while drilling through Fort Simpson Shale zone at 140 FPM and continue to total depth.
2. When drilling beyond the Fort Simpson Shale the drill pipe should be lowered into the hole at no greater speed than 30 seconds per stand.
3. The pipe should not be lowered at a greater speed than 60 sec/30 feet while circulating (i.e. after making a connection) as this may cause pressure surges equivalent to a mud weight of over 1.0#/gal. over and above the present mud weight.

SECURITY:

According to Section 6b of the Drilling Contract, no Contractor, his agent, employees or subcontractors shall provide information to anyone or permit access by anyone on the premises on which the well is being drilled. Although this section has always been a part of the contract, we want to re-emphasize that this section of the contract must at all times be strictly adhered to.

Non-compliance with this section or negligence on the Contractor's part, will lead to any action Mobil Oil Canada, Ltd. deems necessary to ensure complete secrecy during and after the period covered by our contract.

When a security guard is employed, full cooperation must be given to him by all rig personnel. It does not relieve the Contractor of reporting the presence in the area of any unauthorized person or persons on or off the location.

If no security guard is employed, the Toolpush or Driller on tour is responsible for all security measures necessary to ensure complete secrecy.

PER: _____
Drilling Superintendent

PER: _____
D & P Engineering Supervisor

PER: _____
Exploration Manager

RWPidskalny/ms
Attachments
January 22, 1971

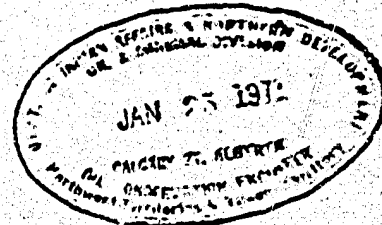
ATTACHMENT I

GEOLOGICAL PROGNOSIS

Mobil Simpson M-70

K. D. Elevation 1217 feet (est.)

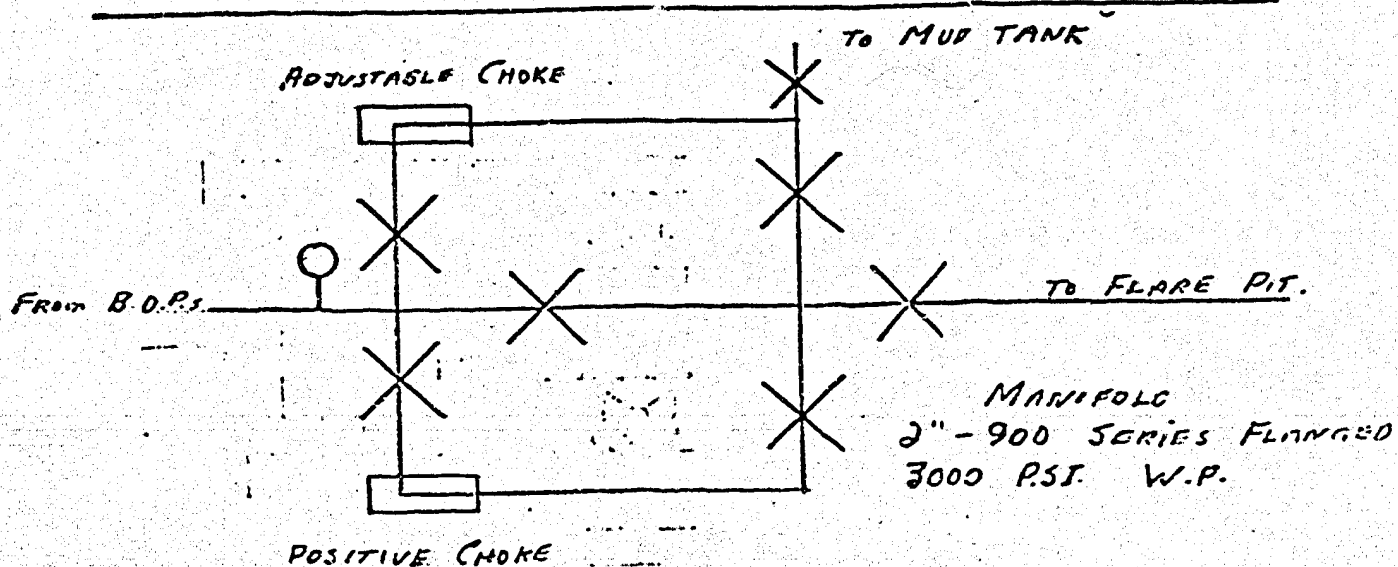
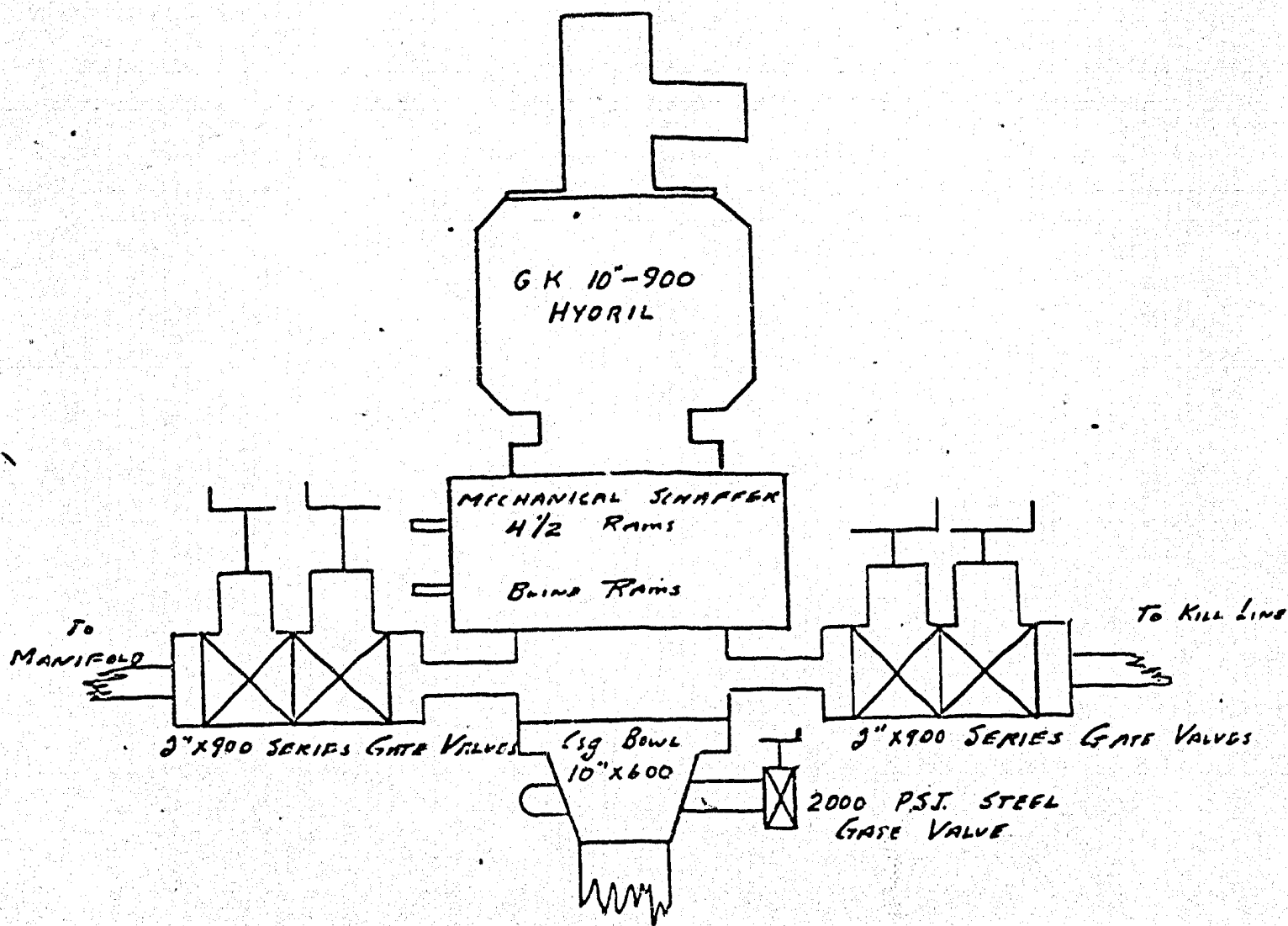
<u>FORMATION</u>	<u>ELEVATION</u>	<u>DEPTH</u>
Glacial Drift		At Surface
Fort Simpson Shale	+1117	100
MIDDLE DEVONIAN		
Spence River Shale	- 393	1610
Hume	- 473	1690
Manetoe	- 903	2120
Arnica	-1103	2320
Basal Devonian Clastics	-1803	3020
PRECAMBRIAN	-2423	3640
Total Depth		3650



KENTING OILWELL DRILLING

DEC 2 / 70

RIG " 9



MOBIL OIL CANADA, LTD.
DRILL STEM TEST REPORT

3-27 (REV. 4/67)

LAT 61° 59' 57.5" LONG 122° 31' 58.9"

WELL NAME POUGH H. Simpson No. 20 LOCATION LB W, SEC W, TWP W, RGE W, M W
DATE FEB 17 - 1971 EST NO. ONE INTERVAL FROM 2255 TO 2305 KB

TESTING COMPANY LYONS UNITED SERVICES OPERATOR R. H. FURMANSON

TYPE OF TOOL CONVENTIONAL CHOKER SIZE 4" DRILL PIPE 3 1/2 NO. D. 1.313 LBS/FT

STRING DATA
DRILLING STRING TOTAL 7318.61 FT. JAMS DRILLED DRILL COLLARS 4 1/4 FT. 2305 "BORE" 2 1/4

LAY DOWN
DOWN ON KELLY 27.39 PICK UP
DRILL COLLARS TAIL PIPE
SUBS INTERVAL PICKUP 115.25
STANDS SUBS LESS LAY DOWN 92.79
SINGLES TEST TOOL 80.15 STICK UP 22.46
OTHERS SINGLES 31.10 MEASURED
TOTAL 15.40 OTHERS STICK UP 22.46
TOTAL 92.79 TOTAL 115.25

BOTTOM OF RUBBER
AT 2255 KB

INTERVAL TESTED
50 FEET

PERFORATIONS

RECORDER DEPTH
5 FEET

TOP PACKER TYPE AND SIZE 4 1/4 CONVENTIONAL

BOTTOM PACKER TYPE AND SIZE 4 1/4

FLUID DATA
MUD CUSHION
CASING TO 415 VT 8.4 /GAL TYPE 4 1/4
CASING TO 1225 VISC 30 SEC/ST VOLUME
CASING TO WL CC/30 MIN PRESSURE
HOLE TO GEL INITIAL
HOLE TO LOST CIRC MATERIAL YES NO
TYPE 2 1/4 PRESSURE

TOP OF RUBBER
AT KB

RECORDER DEPTH
 KB

START IN 1230 AM INITIAL OPEN 1225 AM 5 MIN 1491 PSIG
ON BOTTOM 1205 AM INITIAL SHUT IN 1230 AM 30 MIN 1461 PSIG
PULLED LOOSE 1000 AM TOOL OPEN 100 AM 30 MIN 15 749 PSIG
OUT OF HOLE 800 AM TOOL CLOSED 130 AM 30 MIN ES 679 PSIG
FINAL SHUT IN 30 749 PSIG
HYDROSTATIC HEAD 1 749 PSIG

TOTAL DEPTH KB

FORMATION TESTED

STRADDLE BY PASS USED YES ☒

ANCHOR WEIGHT

STRING WEIGHT 54000

PACKER SET WITH 10000

RECOVERY TOTAL 460 FT CUSHION FT NET 460 FT OIL W FT WATER 460 FT VERY NEAR FRESH
MUD FT FLOWING RATE BBL/HR

GAS RATES

TIME	RISER OL	PITOT	SIDE STATIC	MCF/DAY
1 <u>N/A</u>				
2 <u>N/A</u>				
3 <u>N/A</u>				
4 <u>N/A</u>				

REMARKS DESCRIBE RECOVERY FULLY AND NOTE AT WHAT POINT THE SAMPLES WERE TAKEN

AIR PUFF ON INITIAL FLOW - Small Air Blow and
DECREASING ON OPEN. DIED RAPIDLY ON SHUT IN.
RECOVERED 460 FT. OF FRESH WATER
SAMPLES TAKEN AT TOP OF FLUID AND
1 AT TOP OF TEST TOOL.

SIGNATURE R. H. Furmanson

DATE FEB 17 - 71

DAILY DRILLING REPORT

No. _____ DAILY TIME SHEET 3-24

Well (REV. 11/68)

WELL NAME & No. W-101 33 1/2 CONTRACTOR McIntyre

RIG No. 4

Approved _____ Date _____

[illegible]

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES 21 TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER W. J. Smith APPROVED: _____

DAILY DRILLING REPORT

DATE _____

No. _____ DAILY TIME SHEET 1X
Well 11115 (REV. 1968)

FIELD or AREA: FT. WORTH WELL NAME & No. M-501 M-70 CONTRACTOR Shaw, Oakville, etc. RIG No. 7 Approved _____ Date Feb 10, 1951

[illegible]

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER *W. J. [Signature]* APPROVED: _____

Mobil Oil Canada, Ltd. DAILY DRILLING REPORT

DATE Feb 5

No. DAILY TIME SHEET 3-35
Well 12-8 TOUR (REV. 11/68)

FIELD or AREA: F-7 WELL NAME & No. 12-8 TOUR CONTRACTOR McGill RIG No. 9 Approved Date Feb 5/70

TIME	MUD RECORD				BIT WT. M	TABLE RPM	PUMP		DEVIATION		START	STOP	HRS.	WORK RECORD				12-8 TOUR	FROM	TO	FOOTAGE	HRS.	SIZE	Tour 1			
	WT.	VISC.	W.L.	F.C.			SPM	PRESS.	DEPTH	DEG.				DRILLED	REAMED	CORED	TALLY							BIT RECORD	DRILLER	Midnite to 8 A.M.	Hrs.
2 A.M.																											
4 A.M.																											
6 A.M.																											
8 A.M.																											
LINER SIZE: <u>5"</u> STROKE <u>14</u> MUD & CHEMICALS LBS. Added: <u> </u> KIND <u>WATER</u>														DRILLER: <u>P. BENT</u> CONTRACTOR'S TIME <u> </u> CO.'S TIME <u> </u>				TALLY STANDS <u>1135</u> SIZE <u>5"</u> SINGLE <u> </u> MAKE <u> </u> D.C.'s <u>599</u> TYPE <u>0</u> SERIAL <u> </u> JET SIZE <u> </u> FROM <u>3263</u> TO <u>3300</u> KELLY IN <u>3400</u> FOOTAGE <u>37</u> TOTAL <u>3300</u> HRS. <u>5</u> RAT HOLE TOP <u> </u> COND. <u>OK</u>				REMARKS AND INJURIES: <u> </u>					
10 A.M.																											
NOON																											
2 P.M.																											
4 P.M.																											
LINER SIZE: <u> </u> STROKE <u> </u> MUD & CHEMICALS LBS. Added: <u> </u> KIND <u> </u>														DRILLER: <u> </u> CONTRACTOR'S TIME <u> </u> CO.'S TIME <u> </u>				TALLY STANDS <u> </u> SIZE <u> </u> SINGLE <u> </u> MAKE <u> </u> D.C.'s <u> </u> TYPE <u> </u> SERIAL <u> </u> JET SIZE <u> </u> FROM <u> </u> TO <u> </u> KELLY IN <u> </u> FOOTAGE <u> </u> TOTAL <u> </u> HRS. <u> </u> RAT HOLE TOP <u> </u> COND. <u> </u>				REMARKS AND INJURIES: <u> </u>					
6 P.M.																											
8 P.M.																											
10 P.M.																											
12 P.M.																											
LINER SIZE: <u> </u> STROKE <u> </u> MUD & CHEMICALS LBS. Added: <u> </u> KIND <u> </u> LBS. <u> </u> ON HAND <u> </u>														DRILLER: <u> </u> CONTRACTOR'S TIME <u> </u> CO.'S TIME <u> </u>				TALLY STANDS <u> </u> SIZE <u> </u> SINGLE <u> </u> MAKE <u> </u> D.C.'s <u> </u> TYPE <u> </u> SERIAL <u> </u> JET SIZE <u> </u> FROM <u> </u> TO <u> </u> KELLY IN <u> </u> FOOTAGE <u> </u> TOTAL <u> </u> HRS. <u> </u> RAT HOLE TOP <u> </u> COND. <u> </u>				REMARKS AND INJURIES: <u> </u>					

CASING TESTED TO: PSI. MIN. FORMATION TESTED PSI. MIN. EQUIPMENT FAILURES TIME LOST
 RIG FUEL CONSUMPTION GALS. BOILER FUEL CONSUMPTION GALS. WIRELINE TON MILE TOOL PUSHER APPROVED:

DAILY DRILLING REPORT

No. _____ DAILY TIME SHEET 3-25
Well _____ (REV. 1/1/68)

FIELD or AREA: IT - IMPSON WELL NAME & No. Impson 11-70 CONTRACTOR MENTING

RIG No. 2

Approved _____ Date _____

[illegible]

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____

APPROVED

DAILY DRILLING REPORT

No. _____ DAILY TIME SHEET 135
Well: McKay M-70 (REV. 11/68)

No. _____

FIELD or AREA: F2 Simpson m-71 WELL NAME & No. MOBIL m-70 CONTRACTOR KENTING OILWELL DRILLING No. 9 Approved _____ Date 2-3-71

[illegible]

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

WING FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

DAILY DRILLING REPORT

No. _____ DAILY TIME SHEET 1.35
(REV. 1/68)

Well _____ (REV. 10/68)
Mobile 10-70
 Approved _____ Date 2/2/73

No. _____

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
BIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: *[Signature]* APPROVED: _____

K SAFETY FILM +

DAILY DRILLING REPORT

No. _____ DAILY TIME SHEET 3-35
Well MOBILE 17-70 (REV. 1/1/68)

FIELD or AREA: Fr. Simpson 10-10 WELL NAME & No. Moore 10-70 CONTRACTOR KEATING OILWELL DRILLING RIG No. 9 Approved _____ Date 3/12/73

[illegible]

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
 BIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSH-HER _____ APPROVED: _____

Mobil Oil Canada, Ltd. DAILY DRILLING REPORT

DATE FEB 20

No. 70 DAILY TIME SHEET
(REV. 1/68)

FIELD or AREA: FT. SIMPSON WELL NAME & No: MOBIL FT. SIMPSON 70 CONTRACTOR: KENTING DRILLING RIG No. 9 Approved: _____ Date: FEB 20

MUD RECORD										WORK RECORD										TALLY										BIT RECORD										REMARKS AND INJURIES									
TIME	WT.	VISC.	W.L.	F.C.	RPM	SPM	PRESS	DEPTH	DEG.	START	STOP	HRS.	DRILLER	CONTRACTOR'S TIME	CO'S TIME	FROM	TO	FOOTAGE	HRS.	SIZE	Tour 1	Midnite to 8 A.M.	Hrs.																										
LINER SIZE: <u>5</u> STROKE <u>14</u> MUD & CHEMICALS LBS. Added: _____ KIND: _____										12-8 TOUR DRILLED <u>2597</u> <u>2641</u> <u>44</u> <u>6</u> <u>5 3/4</u> REAMED CORED										STANDS <u>1985.33</u> SIZE <u>5 3/4</u> SINGLE <u>3088</u> MAKE <u>A.W.</u> D.C.'s <u>599.00</u> TYPE <u>RG-1-J</u> <u>1.70</u> SERIAL <u>AC542</u> JET SIZE <u>OUT</u> FROM <u>2597</u> TO <u>2641</u> KELLY IN <u>2409</u> FOOTAGE <u>414</u> TOTAL <u>2641.00</u> HRS. <u>6</u> RATHOLE TOP <u>COND.</u>										DRILLER <u>BRYEIDE</u> 8 DERRICK <u>BARCLAY</u> 8 MOTORMAN <u>MEDINGER</u> 8 FLOORMAN <u>ADAMS</u> 8 FLOORMAN FIREMAN										REMARKS AND INJURIES: <u>N.I.</u>									
BOP Tested _____										8-4 TOUR DRILLED <u>2641</u> <u>2690</u> <u>59</u> <u>7 1/4</u> <u>5 3/4</u> REAMED CORED										STANDS <u>2045.73</u> SIZE <u>5 3/4</u> SINGLE <u>3005</u> MAKE <u>RG-1-J</u> D.C.'s <u>599.00</u> TYPE <u>AC18</u> <u>1.50</u> SERIAL <u>AC542</u> JET SIZE <u>OUT</u> FROM <u>2641</u> TO <u>2690</u> KELLY IN <u>11 00</u> FOOTAGE <u>489</u> TOTAL <u>2690</u> HRS. <u>13 1/4</u> RATHOLE TOP <u>COND.</u>										DRILLER <u>A. BRYEIDE</u> 8 DERRICK <u>A. OUSON</u> 8 MOTORMAN <u>E. HARRISON</u> 8 FLOORMAN <u>L. TROTT</u> 8 FLOORMAN FIREMAN										REMARKS AND INJURIES: <u>N.I.</u>									
BOP Tested _____										4-12 TOUR DRILLED <u>2690</u> <u>2753</u> <u>146</u> <u>22</u> <u>5 3/4</u> REAMED CORED										STANDS <u>2105.27</u> SIZE <u>5 3/4</u> SINGLE <u>3120</u> MAKE <u>H.W.</u> D.C.'s <u>599.00</u> TYPE <u>RG-1-J</u> <u>1.70</u> SERIAL <u>AC542</u> JET SIZE <u>OUT</u> FROM <u>2690</u> TO <u>2753</u> KELLY IN <u>2719</u> FOOTAGE <u>146</u> TOTAL <u>2753</u> HRS. <u>22</u> RATHOLE TOP <u>COND.</u>										DRILLER <u>L. J. HARRISON</u> 8 DERRICK <u>L. J. HARRISON</u> 8 MOTORMAN <u>L. J. HARRISON</u> 8 FLOORMAN <u>E. OUSON</u> 8 FLOORMAN FIREMAN										REMARKS AND INJURIES: <u>N.I.</u>									

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
 RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER _____ APPROVED: _____

DAILY DRILLING REPORT

DATE FEB 19/71

No. _____ DAILY TIME SHEET 3.25
(REV. 11/68)

Well Inn. 70

No. _____

FIELD OF AREA: F7 SIMPSON

WELL NAME & No. FMCB.1 FT. SIMPSON

CONTRACTOR *KENTING RIG # 4*

RIG No. 9

Approved _____ Date FEB. 19

MUD RECORD										BIT		TABLE		PUMP		DEVIATION		START STOP HRS.		WORK RECORD		12-8 TOUR		FROM TO FOOTAGE HRS. SIZE		Tour 1		Midnite to 8 A.M.		Hrs.	
TIME		WT. VISC. W.L. F.C.		M		RPM		SPM PRESS		DEPTH DEG.		START STOP HRS.		DRILLER		CONTRACTOR'S TIME		CO'S TIME		RAT HOLE TOP		COND.		REMARKS AND INJURIES:							
3 A.M.		8.478		15		80		2564		7		12:00 12:15 1/2		RIG SERVICE		DRILLING 5 3/4" HOLE		SURVEY		31		STANDS 1923.03		SIZE 5 3/4"		DRILLER		DR. YEAF		8	
4 A.M.												12:15 12:30 1/2								31		SINGLE		MAKE H.W.		DERRICK		BARKLEY		8	
6 A.M.												12:30 12:45 1/2								31		D.C.'s 599.		TYPE D.W.C.		MOTORMAN		MEADNER		8	
8 A.M.												12:45 1:00 1/2								31		Sub. 1.70		SERIAL VF806		FLOORMAN		ADAMS		8	
												1:00 1:15 1/2								31		JET SIZE 60N		FLOORMAN							
												1:15 1:30 1/2								31		FROM 2497		FIREMAN							
												1:30 1:45 1/2								31		TO 2564									
												1:45 2:00 1/2								31		FOOTAGE 67									
												2:00 2:15 1/2								31		HRS. 8									
												2:15 2:30 1/2								31		COND. Run									
												2:30 2:45 1/2								31											
												2:45 3:00 1/2								31											
												3:00 3:15 1/2								31											
												3:15 3:30 1/2								31											
												3:30 3:45 1/2								31											
												3:45 4:00 1/2								31											
												4:00 4:15 1/2								31											
												4:15 4:30 1/2								31											
												4:30 4:45 1/2								31											
												4:45 5:00 1/2								31											
												5:00 5:15 1/2								31											
												5:15 5:30 1/2								31											
												5:30 5:45 1/2								31											
												5:45 6:00 1/2								31											
												6:00 6:15 1/2								31											
												6:15 6:30 1/2								31											
												6:30 6:45 1/2								31											

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
RIG FUEL CONSUMPTION _____ GALS. BURNER FUEL CONSUMPTION _____ GALS. WIRELINE TON MILE _____ TOOL PUSHER: *W. J. Smith* APPROVED: _____

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: *[Signature]* APPROVED: _____

DAILY DRILLING REPORT

DATE 4-17-71

No. _____ DAILY TIME SHEET 2-36
Well In 70 (REV. 1/68)

FIELD or AREA: FT. Simpson WELL NAME & No. Gravel m 70 CONTRACTOR K. J. TINE RIG No. 9 Approved _____ Date FEB 17

[illegible]

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
RIG FUEL CONSUMPTION _____ GALS. BOILER FUEL CONSUMPTION _____ GALS. WIRELINE TON MILE _____ TOOL PUSHERS _____ APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE FEB 16

No. _____ DAILY TIME SHEET 1-35

Well 70170 (REV. 1/68)

FIELD or AREA: FT Simpson

WELL NAME & No. 70170 FT Simpson

CONTRACTOR: KENTING OILFIELD DRILL

RIG No. 9

Approved: _____ Date: FEB 16

MUD RECORD										WORK RECORD										TALLY										BIT RECORD										REMARKS AND INJURIES																			
TIME				WT. VISC. W.L. FC		BIT WT. M		TABLE RPM		PUMP SPM PRESS		DEVIATION DEPTH DEG.		START STOP HRS.		12-8 TOUR		FROM TO		FOOTAGE		HRS.		SIZE		Tour 1		Midnite to 8 A.M.		Hrs.																													
2 A.M.				10		10		55		1350				12:10		1:30		1 1/2		CUT CORE #4		2215		2244		29		3 1/2		5 1/2		DRILLER L. BAYNE		8																									
4 A.M.														1:30		3:30		2		TRIP OUT CORE #4												DERRICK W. BARCLAY		9																									
6 A.M.														3:30		4:15		3/4		RECOVER CORE & STAND BACK BBL												MOTORMAN L. W. DINGEN		8																									
8 A.M.														4:15		5:45		1 1/2		TRIP IN W/ BIT #2 B O												FLOORMAN L. W. DINGEN		8																									
														5:45		6:15		1/2		CORE - WORK BIT TO BOTTOM																																							
														6:15		8:00		3/4		DRILL 5 3/32" HOLE																																							
LINER SIZE: _____ STROKE _____										MUD & CHEMICALS										TALLY										BIT RECORD										REMARKS AND INJURIES																			
LBS. Added: _____ KIND _____																				No. _____ LENGTH _____										BIT No. 281										2B																			
																				STANDS _____										SIZE 5 1/2																													
																				SINGLE _____										MAKE CHAS																													
																				D.C.'s _____										TYPE 1/2										O.R.B.																			
																														SERIAL EC2110										EC27104																			
																														JET SIZE _____																													
																														FROM _____										2225																			
																														TO _____										2285																			
																				KELLY IN _____										FOOTAGE 78										47																			
																				TOTAL _____										HRS. 2 1/2										1 1/4																			
																				RATHOLE TOP _____										COND. _____																													
BOP Tested _____										DRILLER _____										CONTRACTOR'S TIME _____										CO'S TIME _____																													
10 A.M.										2421		17		57		250				8:00		11:00		3		DRILL 5 1/2 HOLE		2244		2286		42		3		5 1/2		DRILLER P. BRYANT		8																			
NOON														11:00		11:15		1/4		CUT UP BOTTOM SAMPLE														DERRICK H. O'NEILL		8																							
2 P.M.														11:15		1:15		1/4		TRIP OUT FOR CORE BAR														MOTORMAN E. HARSING		8																							
4 P.M.														1:15		3:15		2		TRIP IN W/ CORE BAR														FLOORMAN T. TAYLOR		8																							
														3:15		4:00		3/4		WORK CORE BAR TO BOTTOM																																							
LINER SIZE: _____ STROKE _____										MUD & CHEMICALS										TALLY										BIT RECORD										REMARKS AND INJURIES																			
LBS. Added: _____ KIND WATER																				No. _____ LENGTH _____										BIT No. 28										5 1/2																			
																				STANDS 16245										SIZE 5 1/2																													
																				SINGLE _____										MAKE CHAS																													
																				D.C.'s 489										TYPE 1/2																													
																				S.C.B. 170										SERIAL EC2110																													
																														JET SIZE _____																													
																														FROM 2215																													
																														TO 2244										2286																			
																				KELLY IN 9:10										FOOTAGE 78										47																			
																				TOTAL 2286										HRS. 4 1/4																													
																				RATHOLE TOP _____										COND. O.K.																													
BOP Tested 1.15										DRILLER P. BRYANT										CONTRACTOR'S TIME _____										CO'S TIME _____																													
6 P.M.																		4:00		5:30		1 1/2		CUT CORE #5		2296		2305		19		1 1/2		5 1/2		DRILLER J. SPANER		4																					
8 P.M.														5:30		7:00		1 1/2		HOIST TO RECOVER CORE														DERRICK H. O'NEILL		8																							
10 P.M.														7:00		8:00		1		RECOVER CORE STAND BACK BBL IN														MOTORMAN E. HARSING		4																							
12 P.M.														8:00		10:00		2		MAKE DST #1														FLOORMAN S. COLE		4																							
														10:00		12:00		2		TRIP IN DST #1 (SLOW)																																							
LINER SIZE: _____ STROKE _____										MUD & CHEMICALS										TALLY										BIT RECORD										REMARKS AND INJURIES																			
LBS. Added: _____ KIND WATER																				No. _____ LENGTH _____										BIT No. _____																													
																				STANDS _____										SIZE _____																													
																				SINGLE _____										MAKE _____																													
																				D.C.'s _____										TYPE _____																													
																				1 1/2										170										SERIAL _____																			
																														JET SIZE _____																													
																														FROM _____																													
																														TO _____																													
																				KELLY IN 2:30										FOOTAGE _____																													
																				TOTAL _____										HRS. _____																													
																				RATHOLE TOP _____										COND. _____																													
BOP Tested _____										DRILLER _____										CONTRACTOR'S TIME _____										CO'S TIME _____																													

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE FEB 15/71

No. _____ DAILY TIME SHEET 3-35
(REV. 11/68)Well M. 70

No. _____

FIELD or AREA: FT SimpsonWELL NAME & No. M 70CONTRACTOR KENTING OILWELL DRILL RIG No. 9Approved _____ Date FEB 15 71

MUD RECORD										PUMP										DEVIATION										WORK RECORD										12-8 TOUR										TALLY										BIT RECORD										Tour 1										Midnite to 8 A.M.										Hrs.																			
WT. VISC. W.L. F.C.										RPM SPM PRESS										DEPTH DEG.										START STOP HRS.										FROM TO FOOTAGE HRS. SIZE										No. LENGTH BIT No. SIZE										Tour 1										Midnite to 8 A.M.										Hrs.																													
2 A.M. 86 78										15 60 46 600 2150 1										130 130 1 1/2										DRILL 5 1/2" HOLE										2142 2150 8 1 1/2 5 3/4										DRILLER										BRYIDE										12																																							
4 A.M.																				200 215 1/4										CIRC up Bottom HOLE SAMPLE										REAMED										DERRICK										BARCLAY										12																																							
6 A.M.																				215 415 2										DROP SURGEY										CORED										MOTORMAN										MEADNER										12																																							
8 A.M.																				415 445 1/2										TRIP OUT FOR CORE BBLs.										TALLY										BIT RECORD										FLOORMAN										ADAMS										12																													
LINER SIZE: 5"										STROKE 1 1/4"										530 730 2										CK. B-L-O-K. BLANK RAMS										No. 24										LENGTH 1515.70										BIT No. 6										SIZE 5 3/4										FLOORMAN																													
LBS. Added										KIND										730 800 1/2										PICK UP SERVICE CORE BBLs.										D.C.'s 599										MAKE 511TH										TYPE 14.5										FIREMAN																																							
																				730 800 1/2										RUN IN 2nd CORE BBLs										Sub. 1.70										SERIAL F0209										JET SIZE 0.217																																																	
																														BKG. CIRC 1st CIRC TO CORE										KELLY IN 30.60										FOOTAGE 127																																																											
																																								TOTAL 2150.										HRS. 16 1/4																																																											
																																								RAT HOLE TOP										COND.																																																											
MUD RECORD										PUMP										DEVIATION										WORK RECORD										8-4 TOUR										TALLY										BIT RECORD										Tour 2										8 A.M. to 4 P.M.										Hrs.																			
WT. VISC. W.L. F.C.										RPM SPM PRESS										DEPTH DEG.										START STOP HRS.										FROM TO FOOTAGE HRS. SIZE										No. LENGTH BIT No. SIZE										Tour 2										8 A.M. to 4 P.M.										Hrs.																													
10 A.M.																				800 815 1/4										BIG SERVICE CK										2150 2179 29 3 1/4 5 3/4										DRILLER																																																											
NOON																				1130 1135 1 1/4										CUT CORE #2										REAMED										DERRICK																																																											
2 P.M.																				1135 1140 1 1/4										HOIST TO RECOVER CORE #2										CORED										MOTORMAN																																																											
4 P.M.																				1140 1145 1 1/4										RECOVER CORE #2										TALLY										BIT RECORD										FLOORMAN																																																	
LINER SIZE: 5"										STROKE 1 1/4"										1145 1150 1 1/4										RUN IN TO CUT CORE #3										No. 24										LENGTH 1515.70										BIT No. 7										SIZE 5 3/4										FLOORMAN																													
LBS. Added										KIND										1150 1155 1 1/4										BKG. CIRC, CIRC & DROP BALL										D.C.'s 549										MAKE 0.217										TYPE 0										FIREMAN																																							
																																								SERIAL EC7110										JET SIZE 0.217																																																											
																																								KELLY IN 30										FOOTAGE 29																																																											
																																								TOTAL 2174										HRS. 3 1/4																																																											
																																								RAT HOLE TOP										COND.																																																											
MUD RECORD										PUMP										DEVIATION										WORK RECORD										4-12 TOUR										TALLY										BIT RECORD										Tour 3										4 P.M. to Midnite										Hrs.																			
WT. VISC. W.L. F.C.										RPM SPM PRESS										DEPTH DEG.										START STOP HRS.										FROM TO FOOTAGE HRS. SIZE										No. LENGTH BIT No. SIZE										Tour 3										4 P.M. to Midnite										Hrs.																													
6 P.M.																				400 130 2 1/4										CUT CORE #3										2174 2215 36 4 1/2 5 3/4										DRILLER										A. BRYANT										12																																							
8 P.M.																				630 900 1 1/2										HOIST TO RECOVER CORE #3										REAMED										DERRICK										A. OLSON										12																																							
10 P.M.																				800 945 1 3/4										RECOVER CORE & RUN IN TO CUT CORE #4										CORED										MOTORMAN										J. TOMCZAK										12																																							
12 P.M.																				945 1000 1 1/4										BREAK CIRC & DROP BALL										TALLY										BIT RECORD										FLOORMAN																																																	
LINER SIZE: 5"										STROKE 1 1/4"										1000 1200 2										CUT CORE #4										No. 24										LENGTH 1515.70										BIT No. 7										SIZE 5 3/4										FIREMAN																													
LBS. Added										KIND																														D.C.'s 599.00										MAKE 0.217										TYPE 0																																																	
																																								SERIAL EC7110										JET SIZE 0.217																																																											
																																								KELLY IN 32.00										FOOTAGE 64																																																											
																																								TOTAL 2214										HRS. 7 3/4																																																											
																																								RAT HOLE TOP										COND.																																																											
MUD RECORD										PUMP										DEVIATION										WORK RECORD										8-4 TOUR										TALLY										BIT RECORD										Tour 4										8 A.M. to 4 P.M.										Hrs.																			
WT. VISC. W.L. F.C.										RPM SPM PRESS										DEPTH DEG.										START STOP HRS.										FROM TO FOOTAGE HRS. SIZE										No. LENGTH BIT No. SIZE										Tour 4										8 A.M. to 4 P.M.										Hrs.																													
10 A.M.																				800 815 1/4										BIG SERVICE CK										2150 2179 29 3 1/4 5 3/4										DRILLER																																																											
NOON																				1130 1135 1 1/4										CUT CORE #2										REAMED										DERRICK																																																											
2 P.M.																				1135 1140 1 1/4										HOIST TO RECOVER CORE #2										CORED										MOTORMAN																																																											
4 P.M.																				1140 1145 1 1/4										RECOVER CORE #2										TALLY										BIT RECORD										FLOORMAN																																																	
LINER SIZE: 5"										STROKE 1 1/4"										1145 1150 1 1/4										RUN IN TO CUT CORE #3										No. 24										LENGTH 1515.70										BIT No. 7										SIZE 5 3/4										FLOORMAN																													
LBS. Added										KIND										1150 1155 1 1/4										BKG. CIRC, CIRC & DROP BALL										D.C.'s 549										MAKE 0.217										TYPE 0										FIREMAN																																							
																																								SERIAL EC7110										JET SIZE 0.217																																																											
																																								KELLY IN 30										FOOTAGE 29																																																											
																																								TOTAL 2174										HRS. 3 1/4																																																											
																																								RAT HOLE TOP										COND.																																																											
MUD RECORD										PUMP										DEVIATION										WORK RECORD										4-12 TOUR										TALLY										BIT RECORD										Tour 5										4 P.M. to Midnite										Hrs.																			
WT. VISC. W.L. F.C.										RPM SPM PRESS										DEPTH DEG.										START STOP HRS.										FROM TO FOOTAGE HRS. SIZE										No. LENGTH BIT No. SIZE										Tour 5										4 P.M. to Midnite										Hrs.																													
6 P.M.																				400 130 2 1/4										CUT CORE #3										2174 2215 36 4 1/2 5 3/4										DRILLER										A. BRYANT										12																																							
8 P.M.																				630 900 1 1/2										HOIST TO RECOVER CORE #3										REAMED										DERRICK										A. OLSON										12																																							
10 P.M.																				800 945 1 3/4										RECOVER CORE & RUN IN TO CUT CORE #4										CORED										MOTORMAN										J. TOMCZAK										12																																							
12 P.M.																				945 1000 1 1/4										BREAK CIRC & DROP BALL										TALLY										BIT RECORD										FLOORMAN																																																	
LINER SIZE: 5"										STROKE 1 1/4"										1000 1200 2										CUT CORE #4										No. 24										LENGTH 1515.70										BIT No. 7										SIZE 5 3/4										FIREMAN																													
LBS. Added										KIND																														D.C.'s 599.00										MAKE 0.217										TYPE 0																																																	
																																								SERIAL EC7110										JET SIZE 0.217																																																											
																																								KELLY IN 32.00										FOOTAGE 64																																																											
																																								TOTAL 2214										HRS. 7 3/4																																																											
																																								RAT HOLE TOP										COND.																																																											

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER _____ APPROVED: _____

Approved _____ Date FEB 14

CONTRACTOR KENTING OILWELL DRILLING No. 9

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE FEB. 13/71

No. _____ DAILY TIME SHEET 1-36

Well ET. 5. r. p. m 70 (REV. 11/68)FIELD or AREA: FT Simpson WELL NAME & No. M 70CONTRACTOR KENTING OILFIELD DRILLING No. 9Approved _____ Date FEB. 13

TIME	MUD RECORD				BIT WT. M	TABLE RPM	PUMP		DEVIATION		START	STOP	HRS.	WORK RECORD				12-8 TOUR	FROM	TO	FOOTAGE	HRS.	SIZE	Tour 1			
	WT.	VISC.	W.L.	P.C.			SPM	PRESS	DEPTH	DEG.				DRILLED	REAMED	CORED	TALLY							BIT RECORD	DRILLER	Midnite to 8 A.M.	Hrs.
2 A.M.																											
4 A.M.																											
6 A.M.																											
8 A.M.																											
LINER SIZE: _____ STROKE _____ MUD & CHEMICALS LBS. Added: _____ KIND: _____														TALLY STANDS: _____ SINGLE: _____ D.C.'s: _____				BIT RECORD BIT No.: _____ SIZE: _____ MAKE: _____ TYPE: _____ SERIAL: _____ JET SIZE: _____ FROM: _____ TO: _____ FOOTAGE: _____ HRS.: _____ COND.: _____				REMARKS AND INJURIES: <u>Nil</u>					
BOP Tested: _____ DRILLER: <u>W. O. C.</u> CONTRACTOR'S TIME _____ CO.'s TIME _____														8-4 TOUR				FROM: _____ TO: _____ FOOTAGE: _____ HRS.: _____ SIZE: _____				Tour 2 8 A.M. to 4 P.M. Hrs.					
10 A.M.																											
NOON																											
2 P.M.																											
4 P.M.																											
LINER SIZE: _____ STROKE _____ MUD & CHEMICALS LBS. Added: _____ KIND: _____														TALLY STANDS: _____ SINGLE: _____ D.C.'s: _____				BIT RECORD BIT No.: _____ SIZE: _____ MAKE: _____ TYPE: _____ SERIAL: _____ JET SIZE: _____ FROM: _____ TO: _____ FOOTAGE: _____ HRS.: _____ COND.: _____				REMARKS AND INJURIES:					
BOP Tested: _____ DRILLER: _____ CONTRACTOR'S TIME _____ CO.'s TIME _____														4-12 TOUR				FROM: _____ TO: _____ FOOTAGE: _____ HRS.: _____ SIZE: _____				Tour 3 4 P.M. to Midnite Hrs.					
6 P.M.																											
8 P.M.																											
10 P.M.																											
12 P.M.																											
LINER SIZE: _____ STROKE _____ MUD & CHEMICALS LBS. Added: _____ KIND: _____ LBS. ON HAND: _____														TALLY STANDS: _____ SINGLE: _____ D.C.'s: _____				BIT RECORD BIT No.: _____ SIZE: _____ MAKE: _____ TYPE: _____ SERIAL: _____ JET SIZE: _____ FROM: _____ TO: _____ FOOTAGE: _____ HRS.: _____ COND.: _____				REMARKS AND INJURIES:					
BOP Tested: _____ DRILLER: <u>A. Bryant</u> CONTRACTOR'S TIME _____ CO.'s TIME _____														7-10				EQUIPMENT FAILURES: _____ TIME LOST: _____				APPROVED: _____					

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES: _____ TIME LOST: _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

Approved _____ Date Feb 10-7.

RIG No. 100-100

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER _____ APPROVED: _____

CASING TESTED TO= _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: W. H. H. H. APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE FEB 10-71No. _____ DAILY TIME SHEET (REV. 11/68)
Well 11111111111111111111FIELD or AREA: FT. SIMP. N.W.T. WELL NAME & No. FT. SIMP. M-70 CONTRACTOR: KENTING RIG No. 9 Approved _____ Date FEB 10 71

TIME	MUD RECORD				BIT WT. M	TABLE RPM	PUMP		DEVIATION		START	STOP	HRS.	WORK RECORD				FROM	TO	FOOTAGE	HRS.	SIZE	Tour 1		Midnite to 8 A.M.	Hrs.			
	WT.	VISC.	W.L.	F.C.			SPM	PRESS	DEPTH	DEG.				DRILLER	DRILLER														
2 A.M.																													
4 A.M.																													
6 A.M.																													
8 A.M.																													
LINER SIZE: _____ STROKE _____ MUD & CHEMICALS LBS. Added: _____ KIND: _____														BOP Tested _____ DRILLER: _____ CONTRACTOR'S TIME _____ CO'S. TIME _____				TALLY				BIT RECORD				REMARKS AND INJURIES:			
MUD RECORD														BOP Tested _____ DRILLER: _____ CONTRACTOR'S TIME _____ CO'S. TIME _____				TALLY				BIT RECORD				REMARKS AND INJURIES:			
10 A.M.																													
NOON																													
2 P.M.																													
4 P.M.																													
LINER SIZE: _____ STROKE _____ MUD & CHEMICALS LBS. Added: _____ KIND: _____														BOP Tested _____ DRILLER: _____ CONTRACTOR'S TIME _____ CO'S. TIME _____				TALLY				BIT RECORD				REMARKS AND INJURIES:			
MUD RECORD														BOP Tested _____ DRILLER: _____ CONTRACTOR'S TIME _____ CO'S. TIME _____				TALLY				BIT RECORD				REMARKS AND INJURIES:			
6 P.M.																													
8 P.M.																													
10 P.M.																													
12 P.M.																													
LINER SIZE: _____ STROKE _____ MUD & CHEMICALS LBS. Added: _____ KIND: _____ LBS. ON HAND: _____														BOP Tested _____ DRILLER: _____ CONTRACTOR'S TIME _____ CO'S. TIME _____				TALLY				BIT RECORD				REMARKS AND INJURIES:			
MUD RECORD														BOP Tested _____ DRILLER: _____ CONTRACTOR'S TIME _____ CO'S. TIME _____				TALLY				BIT RECORD				REMARKS AND INJURIES:			

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER _____ APPROVED: _____

MOBIL OIL CANADA, LTD.
CASING AND CEMENTING REPORT

3-38 (REV. 4/67)

WELL NAME MOBIL FORT SIMPSON A-70

DATE FEB 12/70

LOCATION LS —, SEC —, TWP —, RGE —, W —

61°-59'N - 122°-28'W.

CASING (LIST IN ORDER RUN)

KB ELEVATION

SIZE	WT	GRADE	THREADS NO.	TYPE	NEW OR USED	NO. JOINTS	LENGTH TOTAL
1 7"	35	N80		XL	NEW	51	1931.30
2 7"	38	N80		XL	NEW	3	116.15
3							
4							
5							
6							
7							

KB
ROTARY TABLE

KB TO GRADE 1285 FT

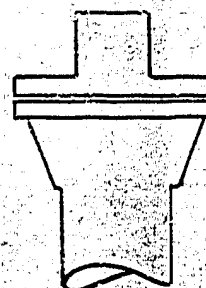
CASING FLANGE

TYPE B

MFRG N.S.C.O.

SIZES 10" 1500 X 5/8"

WP 3000



TOTAL CASING N. F. L. LINE BELOW ISLAND IN HOLE

CASING REMAINING ON THE LEASE AFTER RUNNING

TOTAL CASING RUN

54 2047.45

LENGTH UP FROM KB ON LANDING JOINT

29.00

CASING LANDED AT 2023.45' KB

KB TO FLANGE 10'

RED BOTTOM AT 2023 KB PIPE LANDED 10' FEET OFF BOTTOM

SCRATCHERS TYPE

CENTRALIZERS TYPE

FLOAT COLLAR AT

FLOAT SHOE AT

STAGE COLLAR AT

CEMENT SERVICE COMPANY B.T. Service

TRUCK MODEL

HHP

TYPE	ADDITIVES	CU FT	SACKS	SLURRY WT
1 <u>OREWELL</u>	<u>—</u>	<u>100 Sks</u>	<u>15.0</u>	
2				
3				
4				

MUD	HOLE
<u>8.3</u>	<u>7 1/2</u>
W/L	TD DRILLER <u>2023</u>
PH	TD LOG <u>2023</u>
FC	TD CASING <u>2023</u>
GEV	CALIPER USED YES <u>✓</u>
	TYPE <u>FRESH</u>

WATER TESTED YES NO HOW — TEMP. WATER

TIMES (NO CIRCULATION)

FINISH CIRCULATING — PM START CASING — AM CASING IN — AM CIRCULATE CASING — AM

RIG TO CEMENT — AM START MIXING — PM FINISH MIXING — PM START DISPLACING — PM PLUG DOWN 3:15 PM

PUMPING TIME — MIN CASING VOLUME — BBL'S AVERAGE PUMPING RATE — BBL/MIN CASING LANDED — AM

HOW TYPE B ALSO SLIPS NO PACK OFF BARBER PLATE WELDED TO HOLE & CASING

PRESSURES HAD TO WORK PIPE TO GET CIRCULATION W/ BT. NO PSE WHILE CIRCULATING

BREAK CIRCULATION — PSI CIRCULATING — PSI FINAL PUMPING — PSI BUMPED PLUG — PSI FLOAT HELD YES NO

HAD 350 PSI WHILE MIXING CEMENT AND PUMPING DOWN HOLE @ 8 BPM

REMARKS (DESCRIBE HOW PIPE WAS WORKED AND ANY PROBLEMS DURING JOB) STATE DISPOSITION OF DRY CEMENT, WATER

AND SLURRY SAMPLES HAD NO CIRCULATION WHILE CEMENT & PLUG DOWN PIPE CEMENT. ONLY

HAD T-FLANGE SHOE ON BOTTOM NO FLOAT COLLAR. DIDN'T USE CEMENT PLUGS DISPLACED

CEMENT DOWN WITH WATER, STOPPED TO CHECK CEMENT AFTER PUMPING 50, 55, 60, 65, 70

BBL'S AND CEMENT WAS NOT GOING AWAY ON VACUUM. AFTER JOB WAS COMPLETED

FLUID DOWN 50' TO 20' INSIDE 2". HAD TROUBLE GETTING CASING TO BOTTOM

HOLES = 7.875" COLLAR OD ONLY = 7.530. LEAVING .345" CLEARANCE

LEFT ON LEASE

W.O.C. 24 HRS.

TOTAL XL 35' 30"

55' XL 38" 190'

100' OFF 35' 35"

SIGNATURE [Signature]

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Feb 9-71

No. _____ DAILY TIME SHEET 3-35
Well Mobil Ft Simpson (REV. 11/68) 10-70FIELD or AREA: Ft. Simpson WELL NAME & No. Mobil Ft Simpson CONTRACTOR VENTING RIG No. 9 Approved _____ Date Feb 9-71

TIME	MUD RECORD				BIT WT. M	TABLE RPM	PUMP		DEVIATION		START	STOP	HRS.	WORK RECORD		12-8 TOUR	FROM	TO	FOOTAGE	HRS.	SIZE	Tour 1		Midnite to 8 A.M.	Hrs.																														
	WT.	VISC.	W.L.	F.C.			SPM	PRESS	DEPTH	DEG.				DRILLER	DRILLER																																								
2 A.M.																																																							
4 A.M.																																																							
6 A.M.																																																							
8 A.M.																																																							
LINER SIZE: _____ STROKE _____ MUD & CHEMICALS LBS. Added: <u>5000</u> <u>GEL</u> <u>150</u> <u>LIME</u> <u>75</u> <u>SLS SANDUST</u>														MIXED BATCH OF LOSS CIRCULATION MUD TO CHECK OUT FILL UP OF ANNULUS NO FILL ANY MORE OF PLUG #2 MOTOR SHUT OFFS CHECKED.														TALLY No. _____ LENGTH _____ STANDS _____ SINGLE _____ D.C.'s _____ BIT RECORD BIT No. _____ SIZE _____ MAKE _____ TYPE _____ SERIAL _____ JET SIZE _____ FROM _____ TO _____ FOOTAGE _____ HRS. _____ REMARKS AND INJURIES: _____																											
BOP Tested _____ DRILLER <u>L. Sander</u> CONTRACTOR'S TIME _____ CO'S TIME _____														RATHOLE TOP _____ COND. _____														Tour 2 8 A.M. to 4 P.M. Hrs.																											
10 A.M.																																																							
NOON																																																							
2 P.M.																																																							
4 P.M.																																																							
LINER SIZE: _____ STROKE _____ MUD & CHEMICALS LBS. Added: _____ KIND _____ at completion of Job Job Start 2:41 P.M. to 3:40 P.M. Take on fuel 2:41 to 3:40 Finish Job 3:41 to 3:47 P.M. Shut down drill rig 3:47 to 3:48														BOP Tested _____ DRILLER <u>L. Sander</u> CONTRACTOR'S TIME _____ CO'S TIME _____														RATHOLE TOP _____ COND. _____														Tour 3 4 P.M. to Midnite Hrs.													
6 P.M.																																																							
8 P.M.																																																							
10 P.M.																																																							
12 P.M.																																																							
LINER SIZE: _____ STROKE _____ MUD & CHEMICALS LBS. Added: _____ KIND _____ LBS. _____ ON HAND _____														BOP Tested _____ DRILLER <u>L. Sander</u> CONTRACTOR'S TIME _____ CO'S TIME _____														RATHOLE TOP _____ COND. _____														Tour 4 4 P.M. to Midnite Hrs.													
FINISH OUT WAIT ON GEL PLUG TRIP IN TO FILL PLUG #2 AND CLEAN OUT 66' FILL & CIRC TRIP OUT FOR CORE BBL														BOP Tested _____ DRILLER <u>L. Sander</u> CONTRACTOR'S TIME _____ CO'S TIME _____														RATHOLE TOP _____ COND. _____														Tour 5 4 P.M. to Midnite Hrs.													
Plug #2 81 BBLs DRISS 177 SLS CEMENT 177 SLS GEL 4 SLS GEL FLAKE														BOP Tested _____ DRILLER <u>L. Sander</u> CONTRACTOR'S TIME _____ CO'S TIME _____														RATHOLE TOP _____ COND. _____														Tour 6 4 P.M. to Midnite Hrs.													

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: Shut down APPROVED: _____

No. _____ DAILY TIME SHEET 3-35
Well McCall, M. 70 (REV. 11/68)

FIELD or AREA: FT Simpson WELL NAME & No. McBride m 70 CONTRACTOR Kentner, Dale RIG No. 9 Approved _____ Date FEB 8

[illegible]

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: [Signature] APPROVED _____

Mobil Oil Canada Ltd. DAILY DRILLING REPORT

DATE Feb 7

No. _____ DAILY TIME SHEET 1-35
Well 220-501-11170 (REV. 1/68)

FIELD or AREA: FT. SIMPSON WELL NAME & No. MICROSE 11170 CONTRACTOR Porter & Sons RIG No. 9 Approved _____ Date Feb 7

TIME	MUD RECORD				BIT WT. M	TABLE RPM	PUMP		DEVIATION		START	STOP	HRS.	WORK RECORD	12-8 TOUR	FROM	TO	FOOTAGE	HRS.	SIZE	Tour 1	Midnite to 8 A.M.	Hrs.
	WT. VISC.	W.L. F.C.	SPM	PRESS.			DEPTH	DEG.	DRILLED	REAMED													
2 A.M.	87	120			25	140	50	14			12	13	14	DRILL BLIND NO PUMP PRESSURE		1808	1827	19	1/2	7/8	J. SPURGEON		8
4 A.M.														CLEAN 4' FILL DIAM. BLIND FROM 1808							K. JENNIFER		8
6 A.M.														TRIP OUT TO SURFACE 300'							D. JENNIFER		8
8 A.M.	87	120												TRIP OUT TO SURFACE 300'							H. CROSS		8
LINER SIZE: _____ STROKE _____ MUD & CHEMICALS LBS. Added: 4200 GEL, 2500 GEL, 2150 SANDUST KIND: GEL, SANDUST														TALLY No. 21 STANDS, 1 SINGLE, 2 D.C.'s LENGTH 128012, 3162, 52132 BIT No. 3, SIZE 7/8, MAKE H.W., TYPE V-6, SERIAL P.P., JET SIZE 1/2"				BIT RECORD FROM 1772 TO 1808 FOOTAGE 36, HRS. 2, COND.				REMARKS AND INJURIES: N.I.	
BOP Tested _____ DRILLER: <u>London</u> CONTRACTOR'S TIME _____ CO'S TIME _____																							
10 A.M.														TRIP IN		1827	1863	36	1 1/4		DRILLER	8 A.M. to 4 P.M.	Hrs.
NOON														DRILL BLIND NO PUMP PRESSURE							BAFFLE		8
2 P.M.														HARD TO SEE ON							MEDINGER		8
4 P.M.														MIX SANDUST WAIT FOR WATER							ADAMS		8
LINER SIZE: 3/4" STROKE 14 MUD & CHEMICALS LBS. Added: 25 lbs SANDUST, 30 lbs GEL, 6 lbs Benex KIND: SANDUST, GEL, Benex														TALLY No. 21 STANDS, 1 SINGLE, 2 D.C.'s LENGTH 127902, 3045, 52032 BIT No. 3, SIZE 7/8, MAKE H.W., TYPE X-16, SERIAL R.R., JET SIZE OUT, FROM 1772 TO 1863, FOOTAGE 91, HRS. 2 1/4, COND.				BIT RECORD FROM 1772 TO 1863 FOOTAGE 91, HRS. 2 1/4, COND.				REMARKS AND INJURIES: N.I.	
BOP Tested _____ DRILLER: <u>London</u> CONTRACTOR'S TIME _____ CO'S TIME _____																							
6 P.M.														TRIP IN		1863	1889	26	2 1/4		DRILLER	4 P.M. to Midnite	Hrs.
8 P.M.														CHANGE BBS + TRIP IN							A. BRANT		5
10 P.M.														CLEAN 40' FILL							A. OLSON		8
12 P.M.														DRILL BLIND - NO PUMP PRESSURE							L. TOMCZAK		8
LINER SIZE: _____ STROKE _____ MUD & CHEMICALS LBS. Added: 25 lbs SANDUST KIND: SANDUST														TALLY No. 21 STANDS, 1 SINGLE, 2 D.C.'s LENGTH 13537, 3162, 52032 BIT No. 4, SIZE 7/8, MAKE H.W., TYPE D.W.E., SERIAL 82187, JET SIZE OUT, FROM 1863 TO 1889, FOOTAGE 26, HRS. 2 1/4, COND.				BIT RECORD FROM 1863 TO 1889 FOOTAGE 26, HRS. 2 1/4, COND.				REMARKS AND INJURIES:	
BOP Tested _____ DRILLER: <u>A. BRANT</u> CONTRACTOR'S TIME _____ CO'S TIME _____																							

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
 RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER _____ APPROVED: _____

No. _____ DAILY TIME SHEET 2-38
Well 100-100-100 (REV. 11/68)

[illegible]

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: John Chmura APPROVED: _____

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: W. H. H. H. APPROVED: _____

Mobil Oil Canada, Ltd.

DAILY DRILLING REPORT

DATE Feb 4/71

No. _____ DAILY TIME SHEET 3-35
(REV. 1/68)

FIELD or AREA: FT. SHERWOOD WELL NAME & No. 70 CONTRACTOR M.S. RIG No. 7 Approved _____ Date Feb 4/71

TIME	MUD RECORD				BIT WT. M	TABLE RPM	PUMP		DEVIATION		START	STOP	HRS.	WORK RECORD	12-8 TOUR	FROM	TO	FOOTAGE	HRS.	SIZE	Tour 1	Midnite to 8 A.M.	Hrs.
	WT.	VISC.	W.L.	F.C.			SPM	PRESS	DEPTH	DEG.													
2 A.M.	4.5		26	160	46	700	744	1°		12	12	1/4	DRILL			440	960	520	7 1/2		DRILLER	L. JONES	12
4 A.M.	5.0						898	3/4		12	12	1/4	DRILL								DERRICK	L. JONES	12
6 A.M.	6.25									12	12	1/4	DRILL								MOTORMAN	L. JONES	12
8 A.M.	6.5									12	12	1/4	DRILL								FLOORMAN	L. JONES	12
LINER SIZE: <u>5/8</u> STROKE <u>11"</u> MUD & CHEMICALS LBS. Added: <u>1500</u> KIND: <u>GEL 15 sacs</u> <u>6</u> <u>BENEX 3 sacs</u> <u>WATER</u>											TALLY No. <u>7</u> STANDS <u>425</u> SINGLE <u>15</u> D.C.'s <u>520.32</u> BIT RECORD BIT No. <u>1</u> MAKE <u>FEED</u> TYPE <u>ST25</u> JET SIZE <u>7/16</u> SERIAL <u>76303</u> FROM <u>440</u> TO <u>960</u> FOOTAGE <u>520</u> HRS. <u>5 1/4</u>											REMARKS AND INJURIES:	
BOP Tested <u>OK</u> DRILLER: <u>London</u> CONTRACTOR'S TIME _____ CO's. TIME _____ MUD RECORD WT. VISC. W.L. F.C. BIT WT. M TABLE RPM PUMP SPM PRESS DEPTH DEG. 10 A.M. <u>8.7</u> <u>38</u> <u>1078</u> <u>1°</u> NOON <u>8.40</u> <u>1382</u> <u>2 1/4</u> 2 P.M. <u>8.42</u> <u>1382</u> <u>2 1/4</u> 4 P.M. <u>8.42</u> <u>1382</u> <u>2 1/4</u>											8-4 TOUR FROM <u>960</u> TO <u>1323</u> FOOTAGE <u>363</u> HRS. <u>7 1/2</u> TALLY No. <u>1</u> STANDS _____ SINGLE <u>1</u> D.C.'s <u>52032</u> BIT RECORD BIT No. <u>1</u> MAKE <u>FEED</u> TYPE <u>ST25</u> JET SIZE <u>2-17-13</u> SERIAL <u>76303</u> FROM <u>960</u> TO <u>1323</u> FOOTAGE <u>363</u> HRS. <u>7 1/2</u>											REMARKS AND INJURIES:	
LINER SIZE: <u>5/8</u> STROKE <u>14</u> MUD & CHEMICALS LBS. Added: <u>2400</u> KIND: <u>GEL 24 sacs</u> <u>14 lbs</u> <u>BENEX 7 sacs</u>											4-12 TOUR FROM <u>1323</u> TO <u>1542</u> FOOTAGE <u>219</u> HRS. <u>7 1/2</u> TALLY No. <u>11</u> STANDS _____ SINGLE <u>1</u> D.C.'s <u>520.32</u> BIT RECORD BIT No. <u>1</u> MAKE <u>FEED</u> TYPE <u>ST3</u> JET SIZE <u>2-17-13</u> SERIAL <u>76303</u> FROM <u>1323</u> TO <u>1542</u> FOOTAGE <u>219</u> HRS. <u>7 1/2</u>											REMARKS AND INJURIES:	
BOP Tested _____ DRILLER: _____ CONTRACTOR'S TIME _____ CO's. TIME _____ MUD RECORD WT. VISC. W.L. F.C. BIT WT. M TABLE RPM PUMP SPM PRESS DEPTH DEG. 6 P.M. <u>8.9</u> <u>20160</u> <u>46</u> <u>700</u> <u>4732</u> 8 P.M. <u>8.9</u> <u>15180</u> <u>46</u> <u>700</u> 10 P.M. <u>8.8</u> <u>15180</u> <u>46</u> <u>700</u> 12 P.M. <u>8</u> <u>15180</u> <u>46</u> <u>700</u>											4-12 TOUR FROM <u>1323</u> TO <u>1542</u> FOOTAGE <u>219</u> HRS. <u>7 1/2</u> TALLY No. <u>11</u> STANDS _____ SINGLE <u>1</u> D.C.'s <u>520.32</u> BIT RECORD BIT No. <u>1</u> MAKE <u>FEED</u> TYPE <u>ST3</u> JET SIZE <u>2-17-13</u> SERIAL <u>76303</u> FROM <u>1323</u> TO <u>1542</u> FOOTAGE <u>219</u> HRS. <u>7 1/2</u>											REMARKS AND INJURIES:	
LINER SIZE: <u>5/8</u> STROKE <u>14</u> MUD & CHEMICALS LBS. Added: <u>6600</u> KIND: <u>GEL 66 sacs</u> <u>44 lbs</u> <u>BENEX 24 sacs</u> <u>150</u> <u>CELL-X 3 sacs</u>											4-12 TOUR FROM <u>1323</u> TO <u>1542</u> FOOTAGE <u>219</u> HRS. <u>7 1/2</u> TALLY No. <u>11</u> STANDS _____ SINGLE <u>1</u> D.C.'s <u>520.32</u> BIT RECORD BIT No. <u>1</u> MAKE <u>FEED</u> TYPE <u>ST3</u> JET SIZE <u>2-17-13</u> SERIAL <u>76303</u> FROM <u>1323</u> TO <u>1542</u> FOOTAGE <u>219</u> HRS. <u>7 1/2</u>											REMARKS AND INJURIES:	

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
 RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: W. J. Smith APPROVED: _____

No. _____ DAILY TIME SHEET 1-35
Well FOUR COLL 17276 (REV. 11/68)

[illegible]

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: Al H APPROVED: 284

TOOL PUSHER

RIG FUEL CONSUMPTION _____ GALS. BOILER FUEL CONSUMPTION _____ GALS. WIRELINE TON MILE _____ TOOL PUSHER *[Signature]* APPROVED: _____

MOBIL OIL CANADA, LTD.
CASING AND CEMENTING REPORT

3-38 (REV. 4/67)

WELL NAME MOBIL A SIMPSON 11-70 DATE JAN 31/71

LOCATION L3 61°-59'-57.5" N, SEC 122°-27'-58.4" W, TWP 122°-27'-58.4" W, RGE 122°-27'-58.4" W, W 122°-27'-58.4" W

CASING (LIST IN ORDER RUN)

SIZE	WT	GRADE	THREADS NO.	TYPE	NEW OR USED	NO. JOINTS	LENGTH TOTAL
1 <u>8 7/8</u>	<u>24</u>	<u>5.55</u>	<u>9</u>	<u>2nd</u>	<u>NEW</u>	<u>13</u>	<u>117.80</u>
2							
3							
4							
5							
6							
7					<u>Flashed</u>		<u>4.65</u>

KB ELEVATION

KB
ROTARY TABLE

KB TO FLANGE

CASING FLANGE

TYPE

MFGR

SIZES

WP

TOTAL CASING ON THE LEASE BEFORE STARTING
CASING REMAINING ON THE LEASE AFTER RUNNING
TOTAL CASING RUN
LENGTH UP FROM KB ON LANDING JOINT

CASING LANDED AT 418'
BUDED BOTTOM AT 161' KB PIPE LANDED 22 FEET OFF BOTTOM

SCRATCHERS TYPE MFGR INTERVAL MFGR
CENTRALIZERS TYPE MFGR INTERVAL MFGR
FLOAT COLLAR AT LENGTH MFGR TYPE WELDED LOCKED
FLOAT SHOE AT LENGTH MFGR TYPE WELDED LOCKED
STAGE COLLAR AT LENGTH MFGR TYPE WELDED LOCKED

CEMENT SERVICE COMPANY TRUCK MODEL HHP

TYPE	ADDITIVES	CU FT	SACKS	SLURRY WT.	MUD WT	HOLE SIZES
1 <u>Oilwell</u>	<u>2.5% Cell</u>	<u>304</u>	<u>15.5</u>		<u>9.4</u>	<u>TO DRILLER</u>
2						<u>TO LCG</u>
3						<u>TO CASING</u>
4						<u>CALIPER USED YES NO</u>

TESTED YES NO HOW TEMP. TYPE

TIMES
FINISH CIRCULATING AM START CASING 11 AM CASING IN 7:30 PM CIRCULATE CASING AM
RIG TO CEMENT AM START MIXING 7:15 AM FINISH MIXING AM START DISPLACING 7:50 AM PLUG DOWN 9:00 PM
PUMPING TIME 65 MIN CASING VOLUME 26.8 BBLS AVERAGE PUMPING RATE 52 BBL/MIN CASING LANDED AM
HOW

PRESSURES
BREAK CIRCULATION PSI CIRCULATING PSI FINAL PUMPING PSI BUMPED PLUG PSI FLOAT HELD YES NO

REMARKS (DESCRIBE HOW PIPE WAS WORKED AND ANY PROBLEMS DURING JOB) STATE COMPOSITION OF DRY CEMENT, WATER AND SLURRY SAMPLES

No returns on 1st cement for recommended w/152 hrs Oilwell Cement.
THIS REPORT WAS MADE UP FROM THE LIMITED INFORMATION
AVAILABLE ON THE JOB REPORT.

SIGNATURE

MOBIL OIL CANADA, LTD.
PIPE TALLY FORM

SHEET NO. ONE

NB THIS IS A "THREADS OFF" TALLY

DATE FEB 1 - 1971WELL NAME M-514 FT SIMPSON M-70LOCATION LB SEC, TWP SEC, RGE SEC, W SEC H

JOINTS	TO	SIZE	GRADE	WT	THREADS
13	418	SIZE 8 1/2	GRADE LKW	WT 24	THREADS 5 END - STEEL
JOINTS	TO	SIZE	GRADE	WT	THREADS
JOINTS	TO	SIZE	GRADE	WT	THREADS
JOINTS	TO	SIZE	GRADE	WT	THREADS
JOINTS	TO	SIZE	GRADE	WT	THREADS
JOINTS	TO	SIZE	GRADE	WT	THREADS
JOINTS	TO	SIZE	GRADE	WT	THREADS

	FT	10TH	FT	10TH	FT	10TH	FT	10TH	FT	10TH	FT	10TH	FT	10TH	TOTALS
1	32	46	33	04	1	00	SHOE								
2	32	27	32	97	1	45	Collar								
3	30	65	32	23											
4	31	64													
5	32	18													
6	32	15													
7	32	85													
8	31	91													
9	30	97													
10	32	08													
TOTAL	319	176	98	24	2	45	Total	920	45						

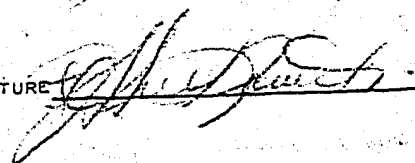
1															
2															
3															
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3															
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5															
6															
7															
8															
9															
10															
TOTAL															

NB: ON CASING TALLY THE FIRST JOINT LENGTH INCLUDES FLOAT AND SHOE
FIRST 10 JOINTS TO BE RUN IN ORDER TALLIED

HANDLED @ 418 K.B.

SIGNATURE



No. _____ DAILY TIME SHEET 129
(REV. 1/4/60)

No. 4

Approved _____ Date _____

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____
RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

DAILY DRILLING REPORT

DATE *Jan 30/71*

No. 2 DAILY TIME SHEET 139

Woll MOBILE A-3 (REV. 11/60)

No. 3

FIELD or AREA: FT Simpson

WELL NAME & No. MOBILE Fr Simpson A-3

3 CONTRACTOR KANTING OIL WELL DRILL. RIG No. 2

Approved _____ Date _____

[illegible]

CASING TESTED TO: _____ PSI. MIN. _____ FORMATION TESTED _____ PSI. MIN. _____ EQUIPMENT FAILURES _____ TIME LOST _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: _____ APPROVED: _____

No. 1

Approved _____ Date _____

RIG FUEL CONSUMPTION _____ GALS BOILER FUEL CONSUMPTION _____ GALS WIRELINE TON MILE _____ TOOL PUSHER: J. HULKOVIK APPROVED: _____