

BRIGGS TROUT RIVER
NO. 2.

Drilling Authority No.

Date Issued

WELL NAME Briggs Trout River No. 2

FIELD Wildcat

Area: Trout Lake

LOCATION: Unit

Section

Grid

Latitude 60°57'09" N.

Longitude 120°13'38" W.

From Established Reference Marker

Rig Release Date: 23-2-60

Status D & A

Information Release Date 23-2-62

CHANGE OF NAME:

DATE RECEIVED	INDEX
	Application for a Drilling Authority. Well Completion Data. Well History Report. Application to Amend a Drilling Authority. Application to change a Well Name. Application to Abandon a Well or Suspend Drilling. Application to Alter Condition of a Well. Well History Supplement. Well Completion Data. Work-over Report No. Application to Commingle Production before Measurement. Approval to Commingle Production before Measurement. Application to Amend Approval No. to Commingle Production before Measurement. Application for M.F.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.

60° 57' 09"
120° 18' 38"
FORM "B"

Chief

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
NORTHERN ADMINISTRATION BRANCH
RESOURCES DIVISION

62.

For the period from Feb. 6/60
to Feb. 23/60

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

Permit No. 903

Name of well Briggs Trout River No. 2 Lease No.
Registered owner D. Todd Briggs Drilling Company Cathrie McLaren
Location 60° 57' 09" N. Lat. 120° 18' 38" W. Long.
Survey description, if available
Elevation: Ground 1062 Last previous depth 3670
Kelly bushing 1074 Present depth 0
Spudded February 6, 1960 Finished drilling Feb. 21 Rig Released
February 23, 1960

Deviations from vertical 120' - 1/4°, 240' - 1/2°, 330' - 1/2°, 440' - 1/2°, 740' - 1°, 1480' - 2/3°, 1980' - 1 1/2°, 2495' - 1 1/2°, 2780' - 2°, 3368' - 2°, 3670' - 1 1/2°.

CASING RECORD

Date	Size O.D.	Weight lbs/ft	Grade	Set at feet	Sacks Cement	Top of Cement
Feb. 8/60	8 5/8"	24.0	J-55	452	275	Surface
1						
2						
3						
4						

TUBING RECORD

Size	Wt. Lbs/foot	Grade	Amount	Landed Depth	Remarks
Wellhead		(Manufacturer)	(Size)	(Series)	

Status of well on completion of drilling Dry

Producing Zone and formation

Cord intervals

#1 - 3270-3298 - 281

Interval logged: E-log . 452-3664 Other logs . Sonic . 450-3660 . . .

R-log . . 14-3656

M-log

Velocity log

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

DRILL STEM TESTS

[illegible]

(If space insufficient, attach further sheet)

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

Perforations Bullet.

Shootings

Hydraulic fracturing

Chemical treatment

Date initial production tests

Initial production data

Pumping or flowing

Plug back

Other

.

.

.

.

.

CEMENT PLUGS SET

<u>Date</u>	<u>Plug set at</u>	<u>Sacks cement</u>	<u>Method</u>	<u>Top found at</u>
.				
.	3520-3670	50	Halliburton	
.	3075-3300	75	"	3075
.	380-500	50	"	380
.	Surface	5		

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

Cores will be stored at Ray River, N.W.T.

Core analysis (was made) of the Intervals
(to be made)

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

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

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

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

ADDITIONAL DETAILS AND COMMENTS

.

.

.

.

.

Signed. J.B. Marshall Address 1007 - 4th Ave, S.W.
for J.C. Sproule & Associates

Date May 12, 1960

(To be submitted in triplicate in accordance with Sections
63, 69, 70 and 71, of the Territorial Oil and Gas Regulations
to the Oil Conservation Engineer at Calgary, Alberta.)

CANADA

NORTHERN ADMINISTRATION BRANCH

RESOURCE DIVISION

ABANDON

NOTICE OF INTENTION TO

05

a Well

~~DISCOVER DO NOT TALK~~

(Strike out operation which does not apply)

In accordance with Sections 48 & 49 of the Territorial Oil and Gas Regulations, notice is hereby given of our intention to

... ~~ABANDON~~ ... the well named ~~BRIDGE~~ TROUT RIVER, NO. 2... on Oil

Permit No. 908. .
and Gas

Registered in the name of

D. TOLD BRIDGES, Nonline Account.

Depth 3,670 . . feet. Elevation above sea level: Ground surface . 1,071 . . . ft.

Ground surface . 1.071 . . . n.

Depth 3,670 . . feet. Elevation above sea level:
Kelly bushing . 1,083 . . ft.

Kelly bushing . 1,083 . . . ft.

Location . 60° 57' 09" N. Lat. 120° 18' 32" W. Long.

3 1/2 miles (W. of S. boundary) of (Permit No. 903)
(S. of N. boundary) of (Lease No.)
2 miles (W. of E. boundary) of (Permit No. 903)
(E. of W. boundary) of (Lease No.)

. 3 1/2 miles . (~~Prof. S. ...~~) (Permit No. . 903)

(S. of N. boundary) of (.....)

2. (W. of E. boundary) of (Permit No. 903)

() ()

Survey description, if available

CASING RECORD

[illegible]

OIL, GAS AND WATER

[illegible]

Oil fromfeet tofeet Fromfeet to feet with
 sacks cement

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

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

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

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

Surface and bottom plugs:

1. from ~~3000~~ ³⁶⁷⁰ feet to ~~3075~~ ³⁵¹⁰ feet with . ~~75~~ ⁵⁰ .sacks cement.
2. from ~~300~~ ³⁰⁰ feet to ~~400~~ ⁴⁰⁰ feet with . ~~60~~ ⁶⁰ .sacks cement.
3. from ~~300~~ ^{SURFACE PLUG} feet with . ~~5~~ ⁵ .sacks cement.
- ~~FEBRUARY 23, 1960~~ ^{5,870}

Date of last operation ~~MD~~ Total depth ~~3000~~ ^{SURFACE}

Nature of liquid left in well Level from surface
on suspension or abandonment

~~XXXXXXXX~~

~~INDUCTION~~ - electric log, microlog.

will be

The following logs run
~~CAMEL~~ ^{CAMEL} ~~LOG~~ ^{LOG}.

Produced from zone and
on abandonment of a well which has been on production.

Present condition of well in addition to above

On abandonment or suspension of drilling we shall comply with Sections 68, 49 and 70 of the Regulations.

Program of operation not included above

Responsible ~~operator~~ ^{owner} of permittee or lessee in charge of operations ~~W.H.I.~~ ^{N.W.I.}

At well ~~A.M. HLOYD~~ Postal address ~~17 First National Bank Bldg.~~ ^{17 First National Bank Bldg.}

~~DALLAS, 2, Texas, U.S.A.~~ ^{DALLAS, 2, Texas, U.S.A.}

At registered office Postal address

It is understood that if changes in this Notice of Intention become necessary ~~will~~ ^{will} promptly notify you. ~~JANUARY~~ ^{FEBRUARY} 60.

dated at this day of ~~1960~~ ¹⁹⁶⁰

Signed by ~~S.R.L. HARDING, P. Eng.~~ ^{S.R.L. HARDING, P. Eng.}
J. C. SPROULE & ASSOCIATES.

This program is approved subject to the following provisions

... *conforming to approval given 27th February*

... *15th March 1960*

Date

... *B.H. Jones*

Oil Conservation Engineer

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

FORM "A"

C A N A D A

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

NORTHERN ADMINISTRATION BRANCH

RESOURCES DIVISION

NOTICE OF INTENTION TO BEGIN DRILLING OPERATIONS

~~XXX~~

~~TO CARRY OUT A STRUCTURE TEST PROGRAM~~
~~XX~~

In accordance with Section 58 of the Territorial Oil and Gas Regulations, notice is hereby given of our intention to begin drilling a well on Oil and Gas Permit No. 903 . . . registered in the name of Lease No.

D. TODD BRIGGS FORTUNE ACCOUNT

TYPE OF WELL:

Wildcat

~~Development~~

Expected total depth 3600' feet, in the Watt Mountain formation of . . Devonian age.

The well will be located at 60°57'09" N. Lat. 120°18'32" W. Long.

. (~~XXXXXXXXXXXX~~) (Permit No.)
3 1/2 miles (S. of N. boundary) of (~~XXXXXXXX~~)
2 . . miles (W. of E. boundary) of (Permit No.)
(~~XXXXXXXXXXXX~~) (~~XXXXXXXX~~)

Survey description of Location, if known

.
Approximate surface elevation of . 1,070 feet above sea level.

Name of well . BRIGGS TROUT RIVER NO. 2

Type of drilling rig . ROTARY

Expected date of commencement . FEBRUARY 14th, 1960.

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

Size O.D. Inches	Weight lbs/ft	Grade	Brand	New or Used	Estimated Depth	Sacks of Cement
1. <u>8 5/8</u> . .	<u>24</u> . .	<u>J-55</u> .	<u>Mannington</u>	<u>New</u> . .	<u>225</u> .	<u>175</u> . .
2.						
3.						

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

3300'. Controlled by sand program and blowout prevention equipment.

An electric log ^{will} be run ^{will} Other logs be run
~~XXXXXXXX~~ ~~XXXXXXXX~~

STRUCTURE TEST PROGRAM

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

..... N. Latitudes

.....W. Longitudes

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

Name and address of drilling contractor **GUTHRIE McLAVER DRILLING LTD.**

Responsible agents of permittee or lessee in charge of operation:

At well . . . **APT. WHITING** Postal address **HAY RIVER, N. W. T.** . . .

At registered
office **A. M. LLOYD** Postal address **1117 FIRST NATIONAL BANK BLDG.,
DALLAS, 2, TEXAS, U. S. A.**

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

Dated at CALGARY this 30th day of JANUARY 1960.

Signed by J. C. Sproule
J. C. SPROULE & ASSOCIATES

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

3706 February 1960
Date

Oil Conservation Engineer.

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

GEOLOGICAL REPORT
BRIGGS TROUT RIVER NO. 2
NORTHWEST TERRITORIES

J. G. SPROULE & ASSOCIATES
GEOLOGICAL & EXPLORATION CONSULTANTS

1009 FOURTH AVENUE WEST
CALGARY - ALBERTA

TELEPHONE
AMHERST 2 7851

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LOGS - Schlumberger Induction-Electrical Log	In Pocket
Sonic Log	
Gamma Ray-Neutron	
Formation Tester	
Visual Well Log	

SUMMARY OF PERTINENT WELL DATA

Well Name Briggs Trout River No. 2
Location: Latitude 60° 57' 09" N.
Longitude 120° 18' 38" W.
Elevation: Ground 1062'
K.B. 1074'
Total Depth: Driller 3670'
Schlumberger 3669'
Operator: A.M. Lloyd for D. Todd Briggs Nominee Account,
Northwest Territories
Technical Supervision: J.C. Sproule & Associates,
Norman Soul, Geologist
Drilling Contractor: Guthrie McLaren Drilling Ltd.
Spudded: February 6, 1960
Completed: February 23, 1960
Status: Dry and abandoned

Core Summary: Core No. 1 3270'-3298' Recovery 28'

<u>Drilling Data:</u>	<u>Hole Size</u>	<u>From</u>	<u>To</u>
	12 1/4"	Surface	456'
	7 7/8"	456'	3670'

Deviation Surveys

70'	1/3°	1480'	2/3°
120'	1/4°	1980'	1 1/2°
240'	1/2°	2495'	1 1/2°
330'	1/2°	2780'	2°
440'	1/2°	3368'	2°
740'	1°	3670'	1 1/2°
980'	1°		

Casing:

Surface Casing - 14 joints of 8 5/8" x 24 lb. J-55 new Mannesmann casing. Total length 439.46 feet including Larkin Float Shoe. Cemented by Halliburton with 275 sacks construction cement and 7 sacks calcium chloride at 452.36 feet K.B. Plug down at 3:00 A.M., February 8, 1960. Good returns of cement to surface.

Summary of Formation Tests:

Schlumberger Formation Tester - February 22, 1960.
 Test depth 3259' Slave Point. Tool open 15 minutes
 39 seconds. Shut in 17 minutes. Recovered 110 cc
 mud filtrate. Hydrostatic pressure 1915 psi. Shut
 in pressure 1475 psi.

Logs:

Schlumberger Intercorrelation-Electrical Log 452'-3664'
 Sonic Log 3 ft. spacing 450'-3660'
 1 ft. spacing 3136'-3656'
 Gamma Ray-Neutron 14'-3660'

Abandonment Plugs:

Plug No. 1 3670'-3520' 50 sacks
 Plug No. 2 3500'-3075' 75 sacks Felt
 Plug No. 3 500'-380' 60 sacks Felt

Geological Markers:

<u>Age</u>	<u>Formation or Marker</u>	<u>Depth Feet</u>	<u>Elevation Feet</u>
Cretaceous		90	984
Upper Devonian	Wabamun	210	864
	Trout River	760	314
	Grumbler	930	144
	Island River Limestone	140	-326
	Simpson	1475	-401
Middle Devonian	Muskeg-Keg River	2207	-2133
Total Depth		3670	-2596

DAILY CHRONOLOGICAL WELL REPORT

Well Name: Briggs Trout River No. 2

Location: Latitude 60° 57' 09" N.
Longitude 120° 18' 38" W.

(Operations ending 12 midnight)

<u>Date</u>	<u>Total Depth Feet</u>	<u>Progress Feet</u>	<u>Days</u>	<u>Remarks</u>
Feb. 6	100	88	1	Guthrie McLaren Rig No. 2 spudded in at 11:00 A.M. Drilled 9" hole to 100 feet. Reaming to 12 1/4".
Feb. 7	456	356	2	Reamed 12 1/4" hole to 100 feet and continued drilling to 456 feet at 7:00 P.M. Made trip and conditioned hole. Pulled out of hole.
Feb. 8	456	0	3	Ran 14 joints of 8 5/8" x 24 lb. casing and circulated one hour. Cemented 437.46 feet x 8 5/8" casing at 452' K.B. with 275 sacks and 2% calcium chloride by Halliburton. Plug down at 3:00 A.M. Standing cemented.
Feb. 9	535	79	4	Installed blow-out preventors. Cemented around top of surface casing. Circulated in hole with warm mud. Pressured up casing to 700 psi for 15 minutes. Drilled cement and shoe at 8:00 P.M. Drilling 7 7/8" hole with Bit No. 1.
Feb. 10	837	302	5	Drilled to 730' with Bit No. 1 with 10 drill collars at 4:00 P.M. Drilling with Bit No. 2 and 13 drill collars.
Feb. 11	1167	330	6	Drilled to 1100' with Bit No. 2 at 7:45 P.M. Drilling with Bit No. 3.
Feb. 12	1650	483	7	Drilled to 1650' with Bit No. 3 at 11:15 P.M. Making trip for new bit.
Feb. 13	2140	490	8	Drilling with Bit No. 4.
Feb. 14	2563	423	9	Drilled to 2160' with Bit No. 4 at 1:45 A.M. Drilling with Bit No. 5.
Feb. 15	3000	437	10	Drilled to 2780' with Bit No. 5 at 10:15 A.M. and measured out of hole. Drilling with Bit No. 6.

<u>Date</u>	<u>Total Depth Feet</u>	<u>Progress Feet</u>	<u>Days</u>	<u>Remarks</u>
Feb. 16	3270	270	11	Drilled to 3270' with Bit No. 6 at 8:45 P.M. Circulated sample. Running in with magnet.
Feb. 17	3343	73	12	Finished trip with magnet. Ran in with core barrel and cut Core No. 1 from 3270' to 3298' from 7:15 A.M. to 2:00 P.M. Recovered core and laid down core barrel. Reamed rathole to 7 7/8" from 5:30 P.M. to 7:0 P.M. and continued drilling with Bit No. 7.
Feb. 18	3494	141	13	Drilled to 3467' with Bit No. 7 at 6:00 P.M. Circulated sample. Drilling with Bit No. 8.
Feb. 19	3548	64	14	Drilled to 3526' with Bit No. 8 at 9:30 A.M. Drilled to 3548' with Bit No. 9 at 10:15 P.M. Making trip for new bit (reached contract depth 3500' at 2:30 A.M.).
Feb. 20	3607	59	15	Drilled to 3607' with Bit No. 10 at 9:45 P.M. Making trip for new bit.
Feb. 21	3670 T.D.	63	16	Drilled to 3670' total depth with Bit No. 11 at 2:00 P.M. Pulled out to run logs. Logging from 4:45 P.M.
Feb. 22	3670 T.D.	0	17	Finished logging. Ran Schlumberger Formation Tester at 3259'. Out of hole at 9:00 A.M. Laid down drill collars. Ran in open-ended to bottom and circulated one hour. Ran Plug No. 1 from 3670' to 3520' with 50 sacks. Plug in place at 2:10 P.M. Ran Plug No. 2 with bottom at 3300' with 75 sacks. Plug in place at 3:00 P.M. Felt Plug No. 2 at 3075' at 11:00 P.M. Laying down drill pipe.
Feb. 23	3670 T.D.	0	18	Ran Plug No. 3 with bottom at 500' with 60 sacks. Plug in place at 1:00 A.M. Laid down blow-out preventors. Felt Plug No. 3 at 380' at 8:15 A.M. Laying down drill pipe and tearing out. Rig released at 10:00 A.M.

BIT RECORDWell Name: Briggs Trout River No. 2Location: Latitude 60° 57' 09" N.
Longitude 120° 18' 38" W.

<u>Bit No.</u>	<u>Make</u>	<u>Type</u>	<u>Size</u>	<u>Depth</u>		<u>Footage</u>	<u>Hours</u>
				<u>From</u> <u>Feet</u>	<u>To</u> <u>Feet</u>		
1	Hughes	OSC-3	9"	0	40	40	3
1A	Hughes	OSC-3	12 1/4"	40	49	9	2
1B	Hughes	OSC-3	9"	49	60	11	2 1/2
1C	Hughes	OSC-2	9"	60	100	40	4 1/4
1D	Hughes	OSC-3	12 1/4"	100	330	230	11 1/4
1E	Hughes	OSC-3	12 1/4"	330	456	126	4 1/4

All re-runs used on surface hole

1	Reed	YT1	7 7/8"	456	730	274	19
2	Reed	YT1	7 7/8"	730	1100	370	24 1/2
3	Reed	YT1	7 7/8"	1100	1650	550	25
4	Reed	YT3	7 7/8"	1650	2160	510	23 1/2
5	Reed	YT3	7 7/8"	2160	2780	620	26 3/4
6	Reed	YT3	7 7/8"	2780	3270	490	30 1/4
6A	Diamond	CL1	6 1/8"	3270	3298	28	7 3/4
7	Reed	YT	7 7/8"	3298	3467	167	23 1/2
8	Reed	YS1	7 7/8"	3467	3526	59	10 3/4
9	Reed	YT	7 7/8"	3526	3548	22	8 3/4
10	Reed	YS1	7 7/8"	3548	3607	59	19 1/4
11	Reed	YS1	7 7/8"	3607	3670	63	13

MUD RECORD

Well Name: BRIDGE Trout River No. 2

Location: Latitude 60° 57' 09" N.
Longitude 120° 32' 38" W.

Date	Total Depth Feet	Av. Wt. lb/US gal.	Av. Visc. Seconds	Av. Water Loss cc in 30 min.	Additives
Feb. 6	100	9.2	59	-	Gel 480 lb; Quick- gel 800 lb; caustic 50 lb.
Feb. 7	456	10.0	41	-	Quick-gel 550 lb.
Feb. 8	-	-	-	-	-
Feb. 9	535	9.5	61	10.0	Gel 2500 lb; caustic 150 lb; spersene 150 lb; bicarb 600 lb.
Feb. 10	837	10.1	92	5.6	Gel 2100 lb; My-lo- jel 350 lb; spersene 200 lb; caustic 200 lb.
Feb. 11	1167	10.2	104	5.0	Gel 1600 lb; my-lo- jel 250 lb; spersene 150 lb; caustic 250 lb.
Feb. 12	1650	10.2	94	5.8	Gel 900 lb; My-lo-jel 400 lb; Spersene 100 lb; Caustic 100 lb.
Feb. 13	2140	10.6	108	5.1	Gel 500 lb; My-lo-jel 400 lb; Spersene 150 lb; Caustic 150 lb.
Feb. 14	2563	10.8	128	4.8	Gel 900 lb; My-lo-jel 600 lb; Spersene 200 lb; Caustic 20 lb.

<u>Date</u>	<u>Total Depth Feet</u>	<u>Av. Wt. lb/US gal.</u>	<u>Av. Visc. Seconds</u>	<u>Av. Water Loss cc in 30 min.</u>	<u>Additives</u>
Feb. 15	3000	10.9	94	5.2	Gel 1100 lb; My-lo-jel 500 lb; Spersene 150 lb; Caustic 100 lb; Driscose 100 lb.
Feb. 16	3270	11.0	94	4.8	Gel 1300 lb; My-lo-jel 450 lb; Spersene 250 lb; Caustic 250 lb.
Feb. 17	3343	10.7	130	4.8	Gel 1500 lb; My-lo-jel 200 lb; Spersene 250 lb; Caustic 250 lb.
Feb. 18	3484	10.8	124	5.0	Gel 1300 lb; My-lo-jel 300 lb; Spersene 100 lb; Caustic 100 lb.
Feb. 19	3548	10.8	130	4.4	Gel 900 lb; My-lo-jel 300 lb; Spersene 150 lb; Caustic 100 lb.
Feb. 20	⁰ 3607	10.8	147	4.4	Gel 1600 lb; My-lo-jel 350 lb; Spersene 250 lb; Caustic 300 lb.
Feb. 21	3670 T.D.	10.7	217	4.2	Gel 500 lb; My-lo-jel 150 lb; Spersene 200 lb; Caustic 200 lb.

SURFACE CASING

Well Name: Briggs Trout River No. 2

Location: Latitude 60° 57' 09" N.
Longitude 120° 18' 38" W.

Casing 8 5/8" x 24# J-55 New casing

Tally	1	32.53	
	2	31.77	
	3	31.55	
	4	30.71	
	5	32.54	
	6	31.36	
	7	30.50	
	8	31.72	
	9	31.54	
	10	29.13	
	11	31.65	
	12	28.84	
	13	32.29	
	14	31.28	
	15	1.90	Float shoe
		<u>439.36</u>	

Total depth of hole	456' K.B.
Size of hole	12 1/4"
Depth casing set	452.36
Amount of cement	275 sacks
Additions to cement	2% calcium chloride
Service Company	Halliburton Oil Well Cementing Company
Date and time of completion	3:00 A.M. February 8, 1960
Cement circulated to surface	
Kelly Bushing to ground level	12'

TIME DRILLING RECORDWell Name: Briggs Trout River No. 2Location: Latitude 60° 57' 09" N.
Longitude 120° 18' 38" W.

<u>Depth</u> <u>Feet</u>	<u>Time in Minutes</u>
	<u>One Foot Drilling Time</u>

320-3210	3, 3, 3, 2, 2, 4, 2, 4, 5, 5
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3210-3220	5, 6, 6, 5, 5, 5, 5, 9, 8, 7
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3220-3230	9, 6, 7, 7, 8, 6, 3, 8, 7, 6
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3230-3240	6, 7, 8, 7, 7, 6, 6, 6, 6, 7
-----------	---------------------------------

3240-3250	6, 6, 6, 5, 6, 7, 12, 6, 9, 6
-----------	----------------------------------

3250-3260	8, 7, 6, 8, 6, 7, 6, 7, 5, 6
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3260-3270	6, 6, 7, 7, 5, 7, 7, 6, 5, 6
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	<u>One Foot Coring Time</u>
3270-3280	15, 15, 12, 13, 14, 13, 15, 15, 14, 15

3280-3290	12, 11, 14, 13, 14, 13, 12, 12, 11, 11
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3290-3298	12, 13, 12, 10, 11, 12, 15, 14
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	<u>One Foot Drilling Time</u>
3298-3300	3, 4

3300-3310	5, 6, 7, 6, 7, 7, 6, 7, 6, 6
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<u>Depth</u> <u>Feet</u>	<u>Time in Minutes</u>
-----------------------------	------------------------

3310-3320	5, 6, 6, 6, 6, 7, 7, 6, 7, 7
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3320-3330	6, 6, 5, 7, 7, 7, 6, 7, 7, 7
-----------	---------------------------------

3330-3340	6, 7, 6, 6, 8, 7, 7, 7, 6, 6
-----------	---------------------------------

3340-3350	7, 7, 7, 7, 7, 8, 7, 8, 8, 7
-----------	---------------------------------

3350-3360	8, 8, 8, 8, 7, 8, 6, 7, 7, 7
-----------	---------------------------------

3360-3370	5, 9, 7, 6, 7, 7, 7, 7, 8, 7
-----------	---------------------------------

3370-3380	7, 5, 6, 7, 6, 7, 8, 8, 7, 7
-----------	---------------------------------

3380-3390	7, 7, 6, 8, 7, 7, 7, 7, 7, 7
-----------	---------------------------------

3390-3400	7, 8, 8, 8, 7, 8, 8, 8, 9, 7
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3400-3410	9, 9, 9, 8, 9, 7, 8, 7, 8, 9
-----------	---------------------------------

	<u>One Foot Drilling Time</u>
3410-3420	8, 6, 8, 8, 8, 9, 8, 9, 8, 10

3420-3430	9, 9, 8, 9, 8, 5, 7, 7, 7, 9
-----------	---------------------------------

3430-3440	10, 10, 10, 9, 9, 11, 12, 9, 11, 10
-----------	--

Depth Time in Minutes
Feet

3440-3450 10, 10, 8, 8, 8,
 3, 10, 9, 9, 9

3450-3460 9, 10, 9, 9, 10,
 10, 9, 11, 10, 10

3460-3467 10, 12, 13, 11, 13,
 11, 15

New Bit

3467-3470 6, 8, 8

3470-3480 9, 10, 8, 6, 7,
 9, 8, 9, 9, 8

3480-3490 7, 8, 8, 9, 7,
 10, 12, 8, 10, 10

3490-3500 10, 11, 9, 8, 8,
 9, 7, 11, 10, 11

3500-3510 10, 9, 10, 10, 10,
 12, 12, 11, 11, 10

3510-3520 11, 13, 13, 12, 13,
 13, 13, 17, 17, 21

3520-3526 19, 21, 17, 20, 20, 21

New Bit

3526-3530 8, 13, 12, 16

One Foot Drilling Time

3530-3540 15, 12, 14, 21, 18,
 22, 23, 22, 25, 24

3540-3548 28, 24, 28, 24, 25,
 26, 33, 29

New Bit

3548-3550 21, 7

3550-3560 8, 10, 11, 11, 12,
 10, 13, 12, 14, 13

3560-3570 13, 14, 15, 14, 17,
 17, 19, 20, 21, 12

Depth Time in Minutes
Feet

3570-3580 18, 22, 18, 20, 15,
 19, 21, 34, 20, 17

3580-3590 20, 21, 23, 20, 18,
 22, 20, 22, 27, 22

3590-3600 26, 21, 20, 22, 19,
 19, 24, 21, 24, 25

3600-3607 26, 22, 25, 25, 23,
 22, 21

New Bit

3607-3610 11, 11, 12

3610-3620 13, 10, 10, 13, 10,
 10, 12, 11, 12, 11

3620-3630 10, 10, 10, 10, 9,
 10, 10, 11, 11, 10

3630-3640 11, 11, 12, 12, 12,
 12, 12, 11, 10, 11

3640-3650 11, 12, 11, 11, 11,
 11, 12, 10, 8, 9

3650-3660 10, 9, 10, 10, 10,
 10, 12, 11, 10, 13

3660-3670 13, 14, 17, 16, 15,
 14, 16, 14, 19, 20

3670-3671T.D. 15

SAMPLE DESCRIPTIONWell Name: Briggs Trout River No. 2Location: Latitude 60° 57' 09" N.
Longitude 120° 18' 38" W.Elevation: 1074' K.B.

<u>Depth</u> <u>Feet</u>	<u>Description</u>
Surface- 90	Gravel, consisting of pebbles of granite and limestone.
<u>CRETACEOUS</u>	
90-150	Shale, greyish brown and medium to dark grey, soft, fissile, non-calcareous.
150-160	Shale, dark grey, containing fish scales and other fish remains.
160-170	Shale, dark grey, soft, fissile, non-calcareous.
170-180	Shale, medium to dark grey, silty, containing finely disseminated pyrite.
180-210	Ironstone bands, brown, dense, hard, calcareous; Shale, dark grey, soft, fissile, micromicaceous in part.
<u>UPPER DEVONIAN</u>	
<u>Wabamun Group</u>	
210-300	Shale, green, calcareous and non-calcareous; Shale, light brown to reddish brown, slightly calcareous, very soft, fissile; Shale, dark grey, non-calcareous.
300-370	Shale, green, calcareous, soft, fissile; Minor shale, brown, calcareous.
370-440	Shale, greenish grey, calcareous, soft, fissile.
440-450	Limestone, cream to tan, dense to microcrystalline, highly fossiliferous, pyritic, reefoidal, silty in part.
450-610	Limestone, cream coloured, dense, fossiliferous, clean, reefoidal, abundant calcite veins.

<u>Depth</u> <u>Feet</u>	<u>Description</u>
61-640	Limestone, buff to light brown, dense, clean.
640-670	Limestone, cream coloured, dense to microcrystalline, coral structures.
670-70	Limestone, buff, microgranular, fossiliferous, sandy, fair to good porosity, some scattered lead oil-staining, reefoidal (potential oil reservoir).
700-740	Limestone, light buff, dense to microgranular, reefoidal.
740-760	Limestone, consisting of black pellets in a buff, microgranular matrix and limestone, buff, microgranular, sandy.

Trent River Formation

760-790	Limestone, buff, dense to microcrystalline and microgranular, silty to sandy; minor interbedded greyish green calcareous siltstone.
790-820	Limestone, light buff to buff, dense, hard, silty; Limestone, light brown, microgranular to microcrystalline, silty.
820-830	Limestone, buff, granular, sandy.
830-870	Limestone, buff, dense to microcrystalline and microgranular, silty.
870-930	Sandstone, light grey and light greenish grey, very fine-grained to fine-grained, glauconitic, calcareous, hard and tight; Minor siltstone, greyish green to green, non-calcareous to slightly calcareous; Minor shale, green, non-calcareous.

Grumbler Formation

930-950	Limestone, cream coloured, dense to microcrystalline, silty and sandy in part, with interbedded sandstone, greenish grey, fine-grained, calcareous, poor to fair porosity.
950-1020	Limestone, cream coloured, dense to microcrystalline, soft, chalky in part, reefoidal.
1020-1030	Siltstone, green and greenish grey, calcareous; base of reef limestone at top.
1030-1040	Sandstone, greyish green, very fine-grained, calcareous.
1040-1050	Siltstone, greyish green, calcareous, abundant coral fragments.

<u>Depth Feet</u>	<u>Description</u>
1050-1060	Sandstone, greenish grey, very fine-grained, calcareous, glauconitic, grading into siltstone, as above.
1060-1070	Limestone, greenish grey, microgranular, very silty to sandy.
1070-1150	Limestone, buff to greenish grey, fragmental, very sandy to silty, slightly glauconitic, fossiliferous grading into siltstone and very fine-grained sandstone, greyish green, glauconitic, calcareous with partings of green, calcareous shale.
1150-1190	Siltstone, green, argillaceous, calcareous, micromicaceous with interbedded shale, green, silty, calcareous and limestone, greenish grey, silty.
1190-1200	Shale, dark green, slightly calcareous to non-calcareous.
1200-1210	Interbedded siltstone, green, calcareous, limestone, greenish grey, silty, and shale, dark green, as above.
1210-1220	Shale, dark green, non-calcareous, with siltstone and limestone, as above.
1220-1230	Shale, dark green, non-calcareous; Shale, brown to reddish brown, non-calcareous.
1230-1390	Shale, dark green, non-calcareous to slightly calcareous; Sandstone, greenish grey, very fine-grained, calcareous at 1330'.
1390-1400	Limestone, grey to brownish grey, microgranular to fragmental, silty, argillaceous, fossiliferous, pyritic; Shale, green, non-calcareous.

Island River Limestone

1400-1440	Limestone, cream coloured to buff, dense to fragmental, fossiliferous, scattered excellent porosity, reefoidal.
1440-1480	Limestone, grey to buff, microcrystalline to fossiliferous, fragmental, reefoidal with interbedded shale, dark green, non-calcareous.
1480-1490	Limestone, buff to cream coloured, dense to cryptocrystalline, fossiliferous.

Simpson Formation 1475' E-log

1490-1530	Shale, dark grey, dark greenish grey and dark greyish brown, non-calcareous.
1530-1540	Shale, brown, non-calcareous, silty in part.

<u>Depth</u> <u>Feet</u>	<u>Description</u>
1540-1640	Interbedded shale, green, dark grey and brown, non-calcareous with minor bands of siltstone and very fine grained sandstone, greyish green, calcareous.
1640-1670	Shale, brown and green, non-calcareous.
1670-2180	Shale, dark grey, dark greenish grey, green and brown, non-calcareous, with minor thin bands of sandstone, greyish green, very fine-grained, calcareous and siltstone, greyish green, calcareous.
2180-2200	Shale, dark green, silty, slightly calcareous.
2200-2240	Interbedded siltstone, green, slightly calcareous and shale, as above.
2240-2260	Shale, dark green, slightly calcareous.
2260-2340	Shale, green, brown and brownish grey, non-calcareous.
2340-2360	Shale, green, slightly calcareous.
2360-2450	Shale, green and brown, slightly calcareous.
2450-2560	Interbedded siltstone, green, calcareous and shale, green, slightly calcareous.
2560-2630	Shale, green, non-calcareous; minor brown shale.
2630-2760	Shale, dark green, calcareous to non-calcareous, silty in part.
2760-2780	Limestone, buff, cryptocrystalline.
2780-2790	Siltstone, green, calcareous.
2790-2890	Shale, green, non-calcareous.
2890-2910	Shale, green and brown, slightly calcareous.
2910-3060	Shale, green, non-calcareous.
3060-3140	Interbedded brown and green shale, non-calcareous.
3140-3175	Shale, green, calcareous.
3175-3180	Shale, green and brown, non-calcareous.
3180-3205	Shale, dark brown to black, bituminous, pyritic at 3195'.

<u>Depth</u> <u>Feet</u>	<u>Description</u>
<u>MIDDLE DEVONIAN</u>	
<u>Muskeg-Keg River Formation 3207' E-log</u>	
3205-3270	Limestone, grayish white, dense to cryptocrystalline, chalky in part, traces of coral structures, slightly fossiliferous.
3270-3298	Corei - Limestone, as above.
3298-3340	Limestone, as above.
3340-3360	Limestone, grey to buff, dense to microcrystalline, fragmental in part.
3360-3370	Limestone, buff to light brown, microcrystalline to fragmental, fossiliferous.
3370-3410	Limestone, grayish white to buff and light brown, microcrystalline to fragmental, fossiliferous.
3410-3415	Limestone, grayish white to buff, microcrystalline, fragmental and dense, chalky.
3415-3420	Limestone, light buff to light brown, dense to fossiliferous, fragmental, reefoidal.
3420-3425	Limestone, buff to light brown, mottled, dense to cryptocrystalline.
3425-3440	Limestone, buff to dark brown, mottled, dense to cryptocrystalline, argillaceous, irregular bituminous partings; brecciated appearance.
3440-3445	Limestone, dark brown, bituminous, dense to microgranular, calcite-filled fractures.
3445-3520	Limestone, buff to dark brown, mottled, dense to microcrystalline to granular, bituminous, argillaceous, probably breccia; calcite-filled fractures.
3520-3530	Limestone, brown to dark brown, bituminous, hard, dense to cryptocrystalline.
3530-3540	Chert, black, dense, dolomitic, very hard; Limestone, dark brown, microcrystalline, bituminous, very hard.
3540-3560	Limestone, buff to brown, mottled, microcrystalline and granular, argillaceous, bituminous, probably a breccia.
3560-3570	Limestone, dark brown, dense, bituminous, very hard, and limestone, as above, brecciated.

<u>Depth</u> <u>Feet</u>	<u>Description</u>
3570-3585	Limestone, buff, fragmental, and buff to dark brown, mottled, argillaceous and bituminous, dense to microcrystalline.
3585-3590	Limestone, dark brown, microcrystalline, bituminous, argillaceous.
3590-3610	Limestone, brown and dark brown, mottled, fragmental, fossiliferous, bituminous.
3610-3615	Limestone, buff, fragmental, chalky in part, fossiliferous.
3615-3650	Limestone, buff to dark brown, mottled, fragmental, argillaceous, bituminous, fossiliferous, brecciated.
3650-3655	Limestone, dark brown, hard, dense, bituminous and limestone, as above; probably a breccia.
3655-3660	Limestone, buff, hard, dense to microgranular, bituminous, argillaceous, and limestone, as above; brecciated relationships; Dolomite, dark brown, microcrystalline, bituminous, argillaceous.
3660-3670	Limestone, buff, granular, and limestone, dark brown, dense to microcrystalline and finely crystalline, bituminous, argillaceous.

GEOLOGICAL AND ENGINEERING SUMMARY

Well Name: Briggs Trout River No. 2

Location: Latitude 60° 57' 09" N.
Longitude 120° 18' 38" W.

Briggs Trout River No. 2 is located 11 1/2 miles northeast of Briggs Trout River No. 1 and 12 miles south of Briggs Turkey Lake No. 1, both of which were drilled in 1958. The well was drilled as a stratigraphic test on Oil and Gas Permit No. 903 registered in the name of D. Todd Briggs.

The Trout River No. 1 well indicated the presence of a porous section of Middle Devonian limestone between 3800 feet and 390 feet but no test was obtained due to poor hole conditions. The same section was found to be absent in the Turkey Lake No. 1 well and there appeared to be possibilities of encountering an up-dip porosity pinch-out between the two wells. The location of Trout River No. 2 was based on seismic interpretations.

The stratigraphic section in the No. 2 well is similar to that in Trout River No. 1. The top of the Middle Devonian limestone was reached at 3207 feet which is 192 feet structurally higher than in No. 1. The section consists of 210 feet of greyish white to light brown fossiliferous limestone for the most part dense and chalky. A Schlumberger formation test was made at 3259 feet with negative results. The well was carried down to 3670 feet to a point just above the dolomite encountered in Trout River No. 1 at 4200 feet. No porous zones were encountered and after logging the well was plugged and abandoned.

Norman Soul
Norman Soul, P. Eng.

S.R.L. Harding
S.R.L. Harding, P. Eng.

1009 - 4th Avenue S.W.,
Calgary, Alberta,
April 26, 1960.

Art W. Latham
Company Representative
B. H. Holbrook
Tool Pusher

GUTHRIE McLAREN DRILLING LTD.

Well No. *Trout Creek 2 #*

Date *Feb. 23rd / 60*

Lsd. Sec. Twp. Rge. W.

Drilled From To Hole Made

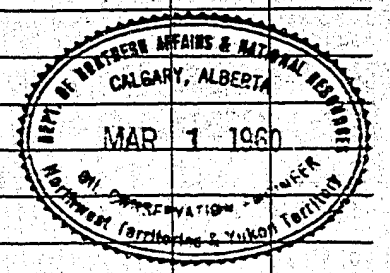
Bit No.	No. Stds.	Length	Bit No.	No. Stds.	Length	Bit No.	No. Stds.	Length
Serial No.	No. D.C.'s	Length	Serial No.	No. D.C.'s	Length	Serial No.	No. D.C.'s	Length
Bit Size		Length	Bit Size		Length	Bit Size		Length
Bit Type		Length	Bit Type		Length	Bit Type		Length
Dr. from	Kelly in		Dr. from	Kelly in		Dr. from	Kelly in	
Dr. to	TOTAL		Dr. to	TOTAL		Dr. to	TOTAL	
Cored from	D.C.O.D. Top	Hrs. On Bottom	Cored from	D.C.O.D. Top	Hrs. On Bottom	Cored from	D.C.O.D. Top	Hrs. On Bottom
Cored to	D.C.I.D. Top	Hrs. Off Bottom	Cored to	D.C.I.D. Top	Hrs. Off Bottom	Cored to	D.C.I.D. Top	Hrs. Off Bottom
Reamed from	Pipe Size	Trip Time	Reamed from	Pipe Size	Trip Time	Reamed from	Pipe Size	Trip Time
Reamed to	C.S.G. Set at	Serv. Time	Reamed to	C.S.G. Set at	Serv. Time	Reamed to	C.S.G. Set at	Serv. Time
Total Bit Footage	C.S.G. Size	Rep. Time	Total Bit Footage	C.S.G. Size	Rep. Time	Total Bit Footage	C.S.G. Size	Rep. Time
Bit Hrs.	Pipe in Hole	Jts.	Bit Hrs.	Pipe in Hole	Jts.	Bit Hrs.	Pipe in Hole	Jts.
Table R.P.M.	Pipe on Racks	Jts.	Table R.P.M.	Pipe on Racks	Jts.	Table R.P.M.	Pipe on Racks	Jts.

Depth	Deviation	Total Pipe on Lease	Jts.	Yesterday	Depth	Deviation	Total Pipe on Lease	Jts.
Depth	Deviation			Consumption	Depth	Deviation		
Depth	Deviation				Depth	Deviation		
Depth	Deviation				Depth	Deviation		

Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
12						Liner Size	Liner Size	8							Liner Size	Liner Size
1						Water-Loss	Filter Cake	9							Water-Loss	Filter Cake
2								10								
3								11								
4								12								
5						Mud Added Sacks		1							Mud Added Sacks	
6						Chemicals Added-Lbs.		2							Chemicals Added-Lbs.	
7								3								

CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR
Driller <i>H. D. FORD</i>	Core Bit <i>Serial</i>	Driller <i>J. L. GIBBS 9 HRS</i>	Core Bit <i>Serial</i>	Driller <i>D. CLARK 9 HRS</i>	Core Bit <i>Serial</i>
Derrickman <i>A. M. BROWN</i>	Reaming Bit <i>Serial</i>	Derrickman <i>J. SPEARS 9 HRS</i>	Reaming Bit <i>Serial</i>	Derrickman <i>H. H. GILKIN 9 HRS</i>	Reaming Bit <i>Serial</i>
Cat Headman <i>L. DUFFERIN</i>	Core Cutters SF. HF.	Cat Headman <i>N. M. BROWN 9 HRS</i>	Core Cutters SF. HF.	Cat Headman <i>D. TINDALL 9 HRS</i>	Core Cutters SF. HF.
Rotary Helper <i>R. H. BROWN</i>	Swab Cups	Rotary Helper <i>L. S. THELAND</i>	Swab Cups	Rotary Helper <i>E. S. BROWN 9 HRS</i>	Swab Rubbers
Fireman <i>D. MACKAY</i>		Fireman <i>L. DUFFERIN</i>		Fireman <i>H. RUCCIE 9 HRS</i>	
Leaseman		Leaseman <i>J. GERARDT 9 HRS</i>		Leaseman	

REMARKS	FROM	TO	REMARKS	FROM	TO	REMARKS	FROM	TO
RUN IN HOLE 50 RUN PLUG 3	1200	1215	FEEL Plug # 3	8:00	8:15	FEELING NOT	8:00	8:15
Rig up + RUN PLUG 3 #	1215	1200	LAY DOWN 1 1/2" PIPE	8:15	8:45			
PLUG 3 DOWN AT 100 AM. W/ 60 SAK			FEELING NOT PLUG	8:45	11:00			
INLAND CON. CEMENT PLUG 2 1/2"								
CAL. CHLORIDE. PLUG FROM 500-400								
NO. O.P.	100	500						
LAYED DOWN PLUG # 3			Found Plug # 3 AT 380 K.B.					
1000 900 1100 1100			Rig Released 10:00 AM					



Arthur J. H. H. H.
Company Representative
W. H. H. H.
Tool Pusher

GUTHRIE McLAREN DRILLING LTD.

Date Feb 22nd / 60

Well No. Inter River 2 #

Lsd. _____ Sec. _____ Twp. _____ Rge. _____ W. _____

Drilled From _____ To _____ Hole Made _____

Bit No.		No. Stds.	Length	Bit No.		No. Stds.	Length	Bit No.		No. Stds.	Length
Serial No.		No. D.C.'s	Length	Serial No.		No. D.C.'s	Length	Serial No.		No. D.C.'s	Length
Bit Size			Length	Bit Size			Length	Bit Size			Length
Bit Type			Length	Bit Type			Length	Bit Type			Length
Dr. from		Kelly in =		Dr. from		Kelly in =		Dr. from		Kelly in =	
Dr. to		TOTAL =		Dr. to		TOTAL =		Dr. to		TOTAL =	
Cored from		D.C.O.D. Top <u>64</u>	Hrs. On Bottom	Cored from		D.C.O.D. Top	Hrs. On Bottom	Cored from		D.C.O.D. Top	Hrs. On Bottom
Cored to		D.C.I.D. Top <u>274</u>	Hrs. Off Bottom	Cored to		D.C.I.D. Top	Hrs. Off Bottom	Cored to		D.C.I.D. Top	Hrs. Off Bottom
Reamed from		Pipe Size <u>4 1/2</u>	Trip Time	Reamed from		Pipe Size	Trip Time	Reamed from		Pipe Size	Trip Time
Reamed to		C.S.G. Set at <u>452</u>	Serv. Time	Reamed to		C.S.G. Set at	Serv. Time	Reamed to		C.S.G. Set at	Serv. Time
Total Bit Footage		C.S.G. Size <u>8 5/8</u>	Rep. Time	Total Bit Footage		C.S.G. Size	Rep. Time	Total Bit Footage		C.S.G. Size	Rep. Time
Bit Hrs.		Pipe in Hole	Jts.	Bit Hrs.		Pipe in Hole	Jts.	Bit Hrs.		Pipe in Hole	Jts.
Table R.P.M.		Pipe on Racks	Jts.	Table R.P.M.		Pipe on Racks	Jts.	Table R.P.M.		Pipe on Racks	Jts.

Depth	Deviation	Total Pipe on Lease	Jts.	Depth	Deviation	Total Pipe on Lease	Jts.	Depth	Deviation	Total Pipe on Lease	Jts.
Depth	Deviation			Depth	Deviation			Depth	Deviation		
Depth	Deviation			Depth	Deviation			Depth	Deviation		
Depth	Deviation			Depth	Deviation			Depth	Deviation		

Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
12						Liner Size <u>7 1/2 x 11</u>	Liner Size	8									4								
1						Water-Loss	Filter Cake	9									5								
2								10									6								
3								11									7								
4								12									8								
5						Mud Added Sacks		1									9								
6						Chemicals Added Lbs.		2									10								
7								3									11								

CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR
Driller <u>H. BARNFORD</u>	Core Bit	Driller <u>E. LACASSE</u>	Core Bit	Driller <u>D. CLARK</u>	Core Bit
Derrickman <u>A. L. ADAMS</u>	Reaming Bit	Derrickman <u>W. T. HANCOCK</u>	Reaming Bit	Derrickman <u>H. H. CLARK</u>	Reaming Bit
Cat Headman <u>F. DUPERON</u>	Core Cutters SF. HF.	Cat Headman <u>N. B. BERTON</u>	Core Cutters SF. HF.	Cat Headman <u>D. TINDALL</u>	Core Cutters SF. HF.
Rotary Helper <u>C. HOOKER</u>	Swab Cups	Rotary Helper <u>R. WILKINS</u>	Swab Cups	Rotary Helper <u>E. S. BESTON</u>	Swab Cups
Fireman <u>D. MACKAY</u>		Fireman <u>L. DUPERON</u>		Fireman <u>H. BURGIE</u>	
Leaseman		Leaseman <u>J. C. BARNETT</u>		Leaseman	

REMARKS	FROM	TO	REMARKS	FROM	TO	REMARKS	FROM	TO
Logging	12:00	8:00	SEAL-PIE	8	8:15	W.O.C	4:00	10:00
By Schlumberger			LOGGING TAPPING AT SAME	8:15	9:00	RUN IN AND FEEL PLUG #2	10:00	11:00
Sonic Log			W.O. ORDERS	9	10	PULL OUT LAY DOWN PIPE	11:00	12:00
Gamma Ray Neutron			LAY DOWN PIPE	10	11			
Induction E. Log			RUN IN PICK UP 13 SINGLES	11	12:45			
SAMPLE			CIRC. HOLE	12:45	1:45			
Formation Test #1 By Schlumberger			Plug #1 3670-3520 50 Sx			FOUND PLUG #2 @ 3075		
3259 Rec Water Filtrate only			Down 2T. 2:15 P.M.					
S.I.P. 1475			Plug #2 3300-3150 75 Sx					
H.P. 1915			2 1/2 PLC #2 Down 2T. 3:00 P.M.					
			Run Plug #1 and 2	1:45	2:45			
			LAY DOWN 13 JTS PULL OUT	2:45	3:00			

Company Representative

GUTHRIE McLAREN DRILLING LTD.

Well No. Trout River 2nd

Lsd. Sec. Twp. Rge. W.

Tool Pusher

Date Feb 21 55 / 60

Drilled From 3607 To 3644 Hole Made 37

Drilled From 3644 To 3670 Hole Made 26

Drilled From To 3610 Hole Made

Bit No.	11	No. Stds.	54	Length	3766.54	Bit No.	11	No. Stds.	54	Length	3266.54	Bit No.		No. Stds.	54	Length	3266.54
Serial No.	N 183473	No. D.C.'s	13	Length	36408	Serial No.	N 183473	No. D.C.'s	13	Length	36408	Serial No.		No. D.C.'s	13	Length	36408
Bit Size	7 7/8			Length		Bit Size	7 7/8			Length		Bit Size				Length	
Bit Type	Y 51			Length		Bit Type	Y 51			Length		Bit Type				Length	
Dr. from	4607	Kelly in ==		13.38		Dr. from	4607	Kelly in ==		39.38		Dr. from		Kelly in ==		39.38	
Dr. to	3644	TOTAL ==		3644.00		Dr. to	3620	TOTAL ==		3670.00		Dr. to		TOTAL ==		3670.00	
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 1/4	Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	5 3/4	Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	
Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom	3 1/4	Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom	2 1/4	Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom	
Reamed from		Pipe Size	4 1/2	Trip Time		Reamed from		Pipe Size	4 1/2	Trip Time		Reamed from		Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	452	Serv. Time		Reamed to		C.S.G. Set at	452	Serv. Time		Reamed to		C.S.G. Set at	452	Serv. Time	
Total Bit Footage	37	C.S.G. Size	8 5/8	Rep. Time		Total Bit Footage	63	C.S.G. Size	8 5/8	Rep. Time		Total Bit Footage		C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.	7 1/4	Pipe in Hole	108	Jts.	Diesel Fuel Meter Reading	Bit Hrs.	13	Pipe in Hole	108	Jts.	REMARKS:	Bit Hrs.		Pipe in Hole		Jts.	REMARKS:
Table R.P.M.	80	Pipe on Racks	27	Jts.	Today 5-6	Table R.P.M.	80	Pipe on Racks	27	Jts.	Fuel 5-4	Table R.P.M.		Pipe on Racks		Jts.	Fuel 4'70"

Depth		Deviation		Total Pipe on Lease		Yesterday		Depth		Deviation		Total Pipe on Lease		Today		Depth		Deviation		Total Pipe on Lease		Today				
Depth		Deviation		Total Pipe on Lease		Consumption		Gals.		Depth		Deviation		Total Pipe on Lease		Depth		Deviation		Total Pipe on Lease		Today				
Depth		Deviation		Total Pipe on Lease						Depth		Deviation		Total Pipe on Lease		Depth		Deviation		Total Pipe on Lease		Today				
Depth		Deviation		Total Pipe on Lease						Depth		Deviation		Total Pipe on Lease		Depth		Deviation		Total Pipe on Lease		Today				
Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
12	10.1	207	66	750	1/2		7 1/4 x 1 1/4		8	10.8	213	65	750	1/2		7 1/4 x 1 1/4		4								
1	10.4	197	66	750	1/2				9	10.8	209	65	750	1/2				5								
2	10.8	203	66	750	1/2		4.4	2 1/32	10	10.8	204	65	750	1/2		4.2	2 1/32	6								
3	10.8	197	66	750	1/2		4.2	2 1/32	11	10.8	196	65	750	1/2				7								
4	10.8	195	66	750	1/2		4.3	2 1/32	12	10.8	190	65	750	1/2				8								
5	10.8	201	66	750	1/2		Mud Added Sacks		1	10.7	198	65	750	1/2		Mud Added Sacks	300# Maggel	9							Mud Added Sacks	
6	10.8	196	66	750	1/2		Chemicals Added Lbs.	CAUSTIC 100#	2	10.7	207	65	750	1/2		Chemicals Added Lbs.	50# Maggel	10							Chemicals Added Lbs.	
7	10.8	209	66	750	1/2			SPERSENF 100#	3							100# Sperse NF Caustic		11								

CREW			MATERIALS CHARGED TO OPERATOR			CREW			MATERIALS CHARGED TO OPERATOR			CREW			MATERIALS CHARGED TO OPERATOR		
Driller	J. BARNFORD		Core Bit		Serial	Driller	F. LACASSE		Core Bit		Serial	Driller	G. LIPKIN		Core Bit		Serial
Derrickman	H. G. BOURNAR		Reaming Bit		Serial	Derrickman	W. JOHNSON		Reaming Bit		Serial	Derrickman	H. HUNTER		Reaming Bit		Serial
Headman	E. D. DUPERON		Core Cutters SF, HF		Core Catchers SF, HF	Cat Headman	W. BERNSTEINER		Core Cutters SF, HF		Core Catchers SF, HF	Cat Headman			Core Cutters SF, HF		Core Catchers SF, HF
Barry Helper	E. H. COLLAK		Swab Cups		Swab Rubbers	Rotary Helper	R. WILKINS		Swab Cups		Swab Rubbers	Rotary Helper	D. TINDALL		Swab Cups		Swab Rubbers
Rotary Helper						Rotary Helper						Rotary Helper					
Fireman	D. MACKEY					Fireman	L. DUPERON					Fireman	H. BOCCE				
Leaseman						Leaseman	J. C. GARRANT					Leaseman					

[illegible]

Arthur D. Dilling
Company Representative

GUTHRIE McLAREN DRILLING LTD.

Well No. Trout River #2

Date Feb. 20 / 60

Lsd. _____ Sec. _____ Twp. _____ Rge. _____ W. _____

Tool Pusher

Drilled From 3548 To 3570 Hole Made 22

Drilled From 3570 To 3593 Hole Made 23

Drilled From 3593 To 3607 Hole Made 141

Bit No.	10	No. Stds.	52-5	Length	3176.07
Serial No.	N 82836	No. D.C.'s	13	Length	364.08
Bit Size	7 7/8			Length	
Bit Type	V51			Length	
Dr. from	3548	Kelly in =		29.85	
Dr. to	3570	TOTAL =		3570.00	
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	2
Cored to		D.C.I.D. Top	2 1/4	Hrs. Off Bottom	6
Reamed from		Pipe Size	4 1/2	Trip Time	1
Reamed to		C.S.G. Set at	4 1/2	Serv. Time	14
Total Bit Footage	22	C.S.G. Size	8 5/8	Rep. Time	3/4
Bit Hrs.	6	Pipe in Hole	105	Jts.	
Table R.P.M.	80	Pipe on Racks	30	Jts.	

Depth	Deviation	Total Pipe on Lease	135	Jts.	Yesterday
Depth	Deviation				Consumption
Depth	Deviation				Gals.
Depth	Deviation				

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
12							7 1/4 x 1 1/4	
1							Liner Size 6 3/4	
2	10.9	145	66	750	3/4	✓	4.6	7/32
3	10.9	143	66	750	3/4	✓	4.6	7/32
4	10.9	140	66	750	3/4	✓		
5	10.9	136	66	750	3/4	✓	Mud Added Sacks Mac 4 1/2 #400	
6	10.9	130	66	750	3/4	✓	Chemicals Added Lbs.	
7	10.9	127	66	750	3/4	✓		

Driller	Core Bit	Serial	Reaming Bit	Serial	Core Cutters SF. HF.	Core Catchers SF. HF.	Swab Cups	Swab Rubbers
Driller <u>C. CLARK</u>	Core Bit	Serial	Reaming Bit	Serial	Core Cutters SF. HF.	Core Catchers SF. HF.	Swab Cups	Swab Rubbers
Derrickman <u>H. HUGLIAN</u>								
Headman <u>D. FINDALL</u>								
Rotary Helper								
Fireman <u>H. BUCKLE</u>								
Leaseman								

REMARKS	FROM	TO
SERVIC REPAIR SNAP UP LINE	12.00	
E CHAIN		1.00
RUN IN	1.00	2.00
DRILLING	2.00	8.00

Bit No.	10	No. Stds.	53	Length	5206.56
Serial No.	N 82836	No. D.C.'s	13	Length	364.08
Bit Size	7 7/8			Length	
Bit Type	V51			Length	
Dr. from	3548	Kelly in =		2236	
Dr. to	3593	TOTAL =		3593.00	
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	
Cored to		D.C.I.D. Top	2 1/4	Hrs. Off Bottom	
Reamed from		Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	4 1/2	Serv. Time	
Total Bit Footage	45	C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.	13 3/4	Pipe in Hole	106	Jts.	
Table R.P.M.	80	Pipe on Racks	29	Jts.	

Depth	Deviation	Total Pipe on Lease	135	Jts.	Yesterday
Depth	Deviation				Consumption
Depth	Deviation				Gals.
Depth	Deviation				

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
8	10.8	92	66	750	1/2		7 1/4 x 1 1/4	
9	10.8	105	66	750	1/2		Liner Size 6 3/4	
10	10.8	176	66	750	1/2			
11	10.8	191	66	750	1/2	✓	5.0	2/32
12	10.8	157	66	750	1/2		3.8	2/32
1	10.8	147	66	750	1/2		4.4	2/32
2	10.8	130	66	750	1/2		Mud Added Sacks MACCUBEL 750	
3	10.8	127	66	750	1/2		Chemicals Added Lbs. MACCUBEL 300	

Driller	Core Bit	Serial	Reaming Bit	Serial	Core Cutters SF. HF.	Core Catchers SF. HF.	Swab Cups	Swab Rubbers
Driller <u>H. BARNARD</u>	Core Bit	Serial	Reaming Bit	Serial	Core Cutters SF. HF.	Core Catchers SF. HF.	Swab Cups	Swab Rubbers
Derrickman <u>A. LAMBERN</u>								
Cat Headman <u>L. DEPERON</u>								
Rotary Helper <u>H. HUGLIAN</u>								
Fireman <u>D. MACKEY</u>								
Leaseman <u>J. GERROLD</u>								

REMARKS	FROM	TO
SERVICE W.P.G.	8.00	8.15
D RICKIN 9 7 3/8 HOLE	8.15	4.00

Bit No.	10	No. Stds.	53	Length	3206.56
Serial No.	N 82836	No. D.C.'s	13	Length	364.08
Bit Size	7 7/8			Length	
Bit Type	V51			Length	
Dr. from	3548	Kelly in =		36.36	
Dr. to	3607	TOTAL =		3607.00	
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	5 1/2
Cored to		D.C.I.D. Top	2 1/4	Hrs. Off Bottom	2 1/2
Reamed from		Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	4 1/2	Serv. Time	
Total Bit Footage	59	C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.	19 1/4	Pipe in Hole	106	Jts.	
Table R.P.M.	80	Pipe on Racks	29	Jts.	

Depth	Deviation	Total Pipe on Lease	135	Jts.	Yesterday
Depth	Deviation				Consumption
Depth	Deviation				Gals.
Depth	Deviation				

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
4	10.8	125	66	750	3/4	✓	7 1/4 x 1 1/4	
5	11	137	11	11			Liner Size 6 3/4	
6	11	154	11	11	3/4			
7	11	158	11	11	1/4		5	7/32
8	11	151	11	11			4.4	7/32
9	11	147	11	11	3/4		Mud Added Sacks 500 Macgrogol	
10							Chemicals Added Lbs. 150 Macgrogol	
11							100 + Macgrogol 101 Squared	

Driller	Core Bit	Serial	Reaming Bit	Serial	Core Cutters SF. HF.	Core Catchers SF. HF.	Swab Cups	Swab Rubbers
Driller <u>E. LAPATSE</u>	Core Bit	Serial	Reaming Bit	Serial	Core Cutters SF. HF.	Core Catchers SF. HF.	Swab Cups	Swab Rubbers
Derrickman <u>W. THOMSON</u>								
Cat Headman <u>A. DEPERON</u>								
Rotary Helper <u>A. WILKINS</u>								
Fireman <u>L. DEPERON</u>								
Leaseman								

REMARKS	FROM	TO
SERV. P.C.	4	4.15
DRILLING	4.15	9.45
Trip For Bit	9.45	12.00

Company Representative

GUTHRIE McLAREN DRILLING LTD.

Well No. BRIGGS TROUT RIVER #2

Lsd. Sec. Twp. Rge. W.

Tool Pusher

Date Feb. 19/60

Drilled From 3484 To 3523 Hole Made 39

Drilled From 3523 To 3526 Hole Made 13

Drilled From 3536 To 3548 Hole Made 12

Bit No.	8	No. Stds.	52	Length	3145.73	Bit No.	8	No. Stds.	52	Length	3145.73	Bit No.	9	No. Stds.	52	Length	3145.73	Bit No.	9	No. Stds.	52	Length	3145.73
Serial No.	Y082821	No. D.C.'s	13	Length	364.08	Serial No.	Y082821	No. D.C.'s	13	Length	364.08	Serial No.	Y082821	No. D.C.'s	13	Length	364.08	Serial No.	Y082821	No. D.C.'s	13	Length	364.08
Bit Size	7 7/8			Length		Bit Size	7 7/8			Length		Bit Size	7 7/8			Length		Bit Size	7 7/8			Length	
Bit Type	Y51			Length		Bit Type	Y51			Length		Bit Type	Y51			Length		Bit Type	Y51			Length	
Dr. from	3467	Kelly in =			13.19	Dr. from	3467	Kelly in =			13.19	Dr. from	3467	Kelly in =			13.19	Dr. from	3467	Kelly in =			13.19
Dr. to	3523	TOTAL =			3523.00	Dr. to	3523	TOTAL =			3523.00	Dr. to	3523	TOTAL =			3523.00	Dr. to	3523	TOTAL =			3523.00
Corrd from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 1/4	Corrd from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 1/4	Corrd from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 1/4	Corrd from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 1/4
Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom	14	Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom	14	Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom	14	Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom	14
Reamed from		Pipe Size	4 1/2	Trip Time		Reamed from		Pipe Size	4 1/2	Trip Time		Reamed from		Pipe Size	4 1/2	Trip Time		Reamed from		Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	452	Serv. Time	14	Reamed to		C.S.G. Set at	452	Serv. Time	14	Reamed to		C.S.G. Set at	452	Serv. Time	14	Reamed to		C.S.G. Set at	452	Serv. Time	14
Total Bit Footage	56	C.S.G. Size	85 1/8	Rep. Time		Total Bit Footage	59	C.S.G. Size	85 1/8	Rep. Time		Total Bit Footage	59	C.S.G. Size	85 1/8	Rep. Time		Total Bit Footage	59	C.S.G. Size	85 1/8	Rep. Time	
Bit Hrs.	10	Pipe in Hole	104	Jts.		Bit Hrs.	1034	Pipe in Hole	104	Jts.		Bit Hrs.	1034	Pipe in Hole	104	Jts.		Bit Hrs.	1034	Pipe in Hole	104	Jts.	
Table R.P.M.	80	Pipe on Racks	31	Jts.		Table R.P.M.	80	Pipe on Racks	31	Jts.		Table R.P.M.	80	Pipe on Racks	31	Jts.		Table R.P.M.	80	Pipe on Racks	31	Jts.	
												REMARKS: CHECKED											

Depth	Deviation	Total Pipe on Lease 135 Jts.	Yesterday	Depth	Deviation	Total Pipe on Lease 135 Jts.	BOPS OPEN	Depth	Deviation	Total Pipe on Lease 135 Jts.
Depth	Deviation		Consumption	Gals.	Depth	Deviation	WOLF BK	Depth	Deviation	
Depth	Deviation				Depth	Deviation	PLECKED	Depth	Deviation	
Depth	Deviation				Depth	Deviation	KELLEY COCK	Depth	Deviation	

Deviation										Depth									
Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit. Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size		Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit. Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	
12	10.8	11.5	66	750	3/4		Liner Size 63/4			8	10.9	10.5	66	750	3/4		Liner Size 63/4		
1	10.8	11.1	66	750	3/4		Water-Loss	Filter Cake	PH	9	10.9	9.8	66	750	3/4		Water-Loss	Filter Cake	PH
2	10.8	10.8	66	750	3/4		4.6	3/32	13	10						5.0	3/32	12.0	
3	10.8	10.5	66	750	3/4		4.8	3/32	13	11									
4	10.8	10.9	66	750	3/4		4.4	3/32	13	12									
5	10.9	11.8	66	750	3/4		Mud Added Sacks			1							Mud Added Sacks		
6	10.9	12.0	66	750	3/4		Chemicals Added Lbs.			2	10.7	12.0	66	750	3/4		Chemicals Added Lbs.		
7	11	10.5	66	750	3/4					3	10.4	13.0	66	750	3/4				

CREW			MATERIALS CHARGED TO OPERATOR			CREW			MATERIALS CHARGED TO OPERATOR			CREW			MATERIALS CHARGED TO OPERATOR		
Driller	D. CLARK		Core Bit		Serial	Driller	H. BARNARD		Core Bit		Serial	Driller	L. KARSSE		Core Bit		Serial
Derriekman	H. HUFFMAN		Reaming Bit		Serial	Derriekman	D. M. BARNARD		Reaming Bit		Serial	Derriekman	W. J. HANSEN		Reaming Bit		Serial
Headman			Core Cutters SF. HF.		Core Catchers SF. HF.	Cat. Headman	D. M. BARNARD		Core Cutters SF. HF.		Core Catchers SF. HF.	Cat. Headman	D. SEARSTREIER		Core Cutters SF. HF.		Core Catchers SF. HF.
Rotary Helper	D. TINDALL		Swab Cups		Swab Rubbers	Rotary Helper	C. H. COWLES		Swab Cups		Swab Rubbers	Rotary Helper	R. W. HANSEN		Swab Cups		Swab Rubbers
Rotary Helper						Rotary Helper						Rotary Helper					
Fireman	H. BUCKLE					Fireman	D. MACKAY					Fireman	L. DUFFEY				
Leaseman						Leaseman	J. GEMERSON					Leaseman					

[illegible]

Well No. BRIGGS TRIBUTARY #2

Lsd. _____ Sec. _____ Twp. _____ Rge. _____ W. _____

Date FEB 11 1966

Drilled From 3343 To 3405 Hole Made 62

Drilled From 3405 To 3458 Hole Made 55

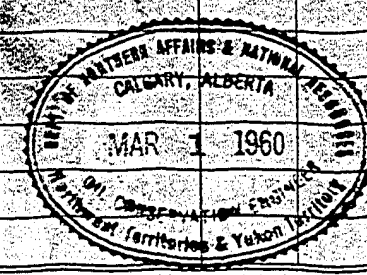
Drilled From 3458 To 3484 Hole Made 26

Bit No.	7	No. Stds.	50	Length	3025.14	Bit No.	7	No. Stds.	51	Length	8085.96
Serial No.	095823	No. D.C.'s	13	Length	364.05	Serial No.	095823	No. D.C.'s	13	Length	364.05
Bit Size	7 7/8			Length		Bit Size	7 7/8			Length	
Bit Type	VT			Length		Bit Type	VT			Length	
Dr. from	3298	Kelly in =	15 78			Dr. from	3298	Kelly in =	33.96		
Dr. to	3405	TOTAL =	3405.00			Dr. to	3405	TOTAL =	3484.00		
Cored from		D.C.O.D. Top	1 1/4	Hrs. On Bottom	7 1/2	Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	4
Cored to		D.C.L.D. Top	2 7/8	Hrs. Off Bottom	1/2	Cored to		D.C.L.D. Top	2 7/8	Hrs. Off Bottom	4
Reamed from	3270	Pipe Size	4 1/2	Trip Time		Reamed from	3270	Pipe Size	4 1/2	Trip Time	
Reamed to	3298	C.S.G. Set at	452	Serv. Time		Reamed to	3298	C.S.G. Set at	452	Serv. Time	
Total Bit Footage	135	C.S.G. Size	8 5/8	Rep. Time		Total Bit Footage	160	C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.	14	Pipe in Hole	100	Jts.	Diesel Fuel Meter Reading	Bit Hrs.	31 1/2	Pipe in Hole	102	Jts.	REMARKS:
Table R.P.M.	95	Pipe on Racks	35	Jts.	Today 4' 7"	Table R.P.M.	100	Pipe on Racks	33	Jts.	REMARKS:

Depth	Deviation	Total Pipe on Lease	Jts.	Yesterday	Depth	Deviation	Total Pipe on Lease	Jts.	Depth	Deviation	Total Pipe on Lease	Jts.
3368	2°	135					135		OK. KELLEY			
Depth	Deviation			Consumption	Gals.	Depth	Deviation		LOCAL OK			
Depth	Deviation					Depth	Deviation		PAUL LI-G			
Depth	Deviation					Depth	Deviation					

Deviation										Deviation									
Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size		Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	
12	10.9	10	66	700	3/4		7 1/4 X 1 1/4			8	10.8	101	66	700	3/4		7 1/4 X 1 1/4		
							Liner Size 6 3/4										Liner Size 6 3/4		
1	10.9	107	66	700	3/4		Water-Loss	Filter Cake	PH	9	10.8	104	66	700	3/4		Water-Loss	Filter Cake	PH
2	10.9	103	66	700	3/4		4.2	2/32	13	10	10.8	99	66	700	3/4		5.0	2/32	13.0
3	10.9	98	66	700	3/4		4.6	3/32	13	11	10.8	109	66	700	3/4		4.9	2/32	13.0
4	10.9	100	66	700	3/4		4.4	3/32	13	12	10.8	110	66	700	3/4		4.1	2/32	13.0
5	10.9	103	66	700	3/4		Mud Added Sacks 4.2 800#			1	10.8	109	66	700	3/4		Mud Added Sacks 4.2 800#		
6	10.9	101	66	700	3/4		Chemicals Added Lbs. 7.5 500#			2	10.8	146	66	700	3/4		Chemicals Added Lbs. 6.5 500#		
7	10.8	104	66	700	3/4		SPERSE 500#			3	10.8	158	66	700	3/4		SPERSE 500#		

CREW			MATERIALS CHARGED TO OPERATOR			CREW			MATERIALS CHARGED TO OPERATOR			CREW			MATERIALS CHARGED TO OPERATOR		
Driller	D. CHALK	Core Bit	Serial	Driller	H. B. A. F. O. R. N.	Core Bit	Serial	Driller	E. K. A. S. S. E.	Core Bit	Serial	Driller	E. K. A. S. S. E.	Core Bit	Serial		
Derrickman	W. M. A. N. S. O. N.	Reaming Bit	Serial	Derrickman	H. B. A. F. O. R. N.	Reaming Bit	Serial	Derrickman	W. M. A. N. S. O. N.	Reaming Bit	Serial	Derrickman	W. M. A. N. S. O. N.	Reaming Bit	Serial		
Headman	W. M. A. N. S. O. N.	Core Cutters SF. HF.	Core Catchers SF. HF.	Headman	H. B. A. F. O. R. N.	Core Cutters SF. HF.	Core Catchers SF. HF.	Headman	W. M. A. N. S. O. N.	Core Cutters SF. HF.	Core Catchers SF. HF.	Headman	W. M. A. N. S. O. N.	Core Cutters SF. HF.	Core Catchers SF. HF.		
Rotary Helper	D. T. W. A. N. S. O. N.	Swab Cups	Swab Rubbers	Rotary Helper	H. B. A. F. O. R. N.	Swab Cups	Swab Rubbers	Rotary Helper	R. W. I. L. K. I. N. S.	Swab Cups	Swab Rubbers	Rotary Helper	R. W. I. L. K. I. N. S.	Swab Cups	Swab Rubbers		
Rotary Helper	F. S. A. T. T. E. R. T. O. N.			Rotary Helper	H. B. A. F. O. R. N.			Rotary Helper	R. W. I. L. K. I. N. S.			Rotary Helper	R. W. I. L. K. I. N. S.				
Fireman	L. B. O. R. C. E.			Fireman	H. B. A. F. O. R. N.			Fireman	L. D. P. E. R. A. G. N. I.			Fireman	L. D. P. E. R. A. G. N. I.				
Leaseman	L. B. O. R. C. E.			Leaseman	H. B. A. F. O. R. N.			Leaseman	L. D. P. E. R. A. G. N. I.			Leaseman	L. D. P. E. R. A. G. N. I.				

[illegible]

GUTHRIE MCLAREN DRILLING LTD.

Well No. BRICK TROUT RIVER #2

Lsd. _____ Sec. _____ Twp. _____ Rge. _____ W. _____

Company Representative

Date FEB 17 1960

CORED
Drilled From 3270 To 3272 Hole Made 2
Tool Pusher
Drilled From 3272 To 3298 Hole Made 28
Drilled From 3298 To 3343 Hole Made 45
Reamed 3270 3298

Bit No.	<u>6A</u>	No. Stds.	<u>47</u>	Length	<u>2842.41</u>	Bit No.	<u>6A</u>	No. Stds.	<u>47-5</u>	Length	<u>2873.77</u>	Bit No.	<u>7</u>	No. Stds.	<u>49</u>	Length	<u>2965.55</u>
Serial No.		No. D.C.'s	<u>13</u>	Length	<u>364.08</u>	Serial No.		No. D.C.'s	<u>13</u>	Length	<u>364.08</u>	Serial No.	<u>095821</u>	No. D.C.'s	<u>13</u>	Length	<u>364.08</u>
Bit Size	<u>6 1/8</u>	Core BBL		Length	<u>35.70</u>	Bit Size	<u>6 1/8</u>	Core BBL		Length	<u>35.70</u>	Bit Size	<u>7 1/8</u>			Length	
Bit Type	<u>DCI</u>			Length		Bit Type	<u>DCI</u>			Length		Bit Type	<u>VT</u>			Length	
Dr. from		Kelly In		<u>29.81</u>		Dr. from		Kelly In		<u>24.95</u>		Dr. from	<u>3298</u>	Kelly In		<u>13.57</u>	
Dr. to		TOTAL		<u>3272.00</u>		Dr. to		TOTAL		<u>3298.00</u>		Dr. to	<u>3343</u>	TOTAL		<u>3343.00</u>	
Cored from	<u>3270</u>	D.C.O.D. Top	<u>6 1/4</u>	Hrs. On Bottom	<u>34</u>	Cored from	<u>3270</u>	D.C.O.D. Top	<u>6 1/4</u>	Hrs. On Bottom	<u>34</u>	Cored from		D.C.O.D. Top	<u>6 1/4</u>	Hrs. On Bottom	<u>5</u>
Cored to	<u>3272</u>	D.C.I.D. Top	<u>278</u>	Hrs. Off Bottom		Cored to	<u>3298</u>	D.C.I.D. Top	<u>278</u>	Hrs. Off Bottom	<u>24</u>	Cored to		D.C.I.D. Top	<u>274</u>	Hrs. Off Bottom	<u>3</u>
Reamed from		Pipe Size	<u>4 1/2</u>	Trip Time		Reamed from		Pipe Size	<u>4 1/2</u>	Trip Time		Reamed from	<u>3270</u>	Pipe Size	<u>4 1/2</u>	Trip Time	
Reamed to		C.S.G. Set at	<u>452</u>	Serv. Time		Reamed to		C.S.G. Set at	<u>452</u>	Serv. Time		Reamed to	<u>3298</u>	C.S.G. Set at	<u>452</u>	Serv. Time	
Total Bit Footage	<u>2</u>	C.S.G. Size	<u>8 5/8</u>	Rep. Time		Total Bit Footage	<u>28</u>	C.S.G. Size	<u>8 5/8</u>	Rep. Time		Total Bit Footage	<u>73</u>	C.S.G. Size	<u>8 5/8</u>	Rep. Time	
Bit Hrs.	<u>3/4</u>	Pipe in Hole	<u>94</u>	Jts.		Bit Hrs.	<u>7 3/4</u>	Pipe in Hole	<u>95</u>	Jts.		Bit Hrs.	<u>6 1/2</u>	Pipe in Hole	<u>97</u>	Jts.	
Table R.P.M.	<u>70</u>	Pipe on Racks	<u>41</u>	Jts.		Table R.P.M.	<u>80</u>	Pipe on Racks	<u>40</u>	Jts.		Table R.P.M.	<u>90</u>	Pipe on Racks	<u>37</u>	Jts.	
		Today						Today						Today			
Depth		Deviation				Depth		Deviation				Depth		Deviation			
Depth		Deviation				Depth		Deviation				Depth		Deviation			
Depth		Deviation				Depth		Deviation				Depth		Deviation			

R.P.M.										Total Pipe on Lease 135 Jts.										Total Pipe on Lease 135 Jts.										Total Pipe on Lease 135 Jts.									
Depth		Deviation		Consumption		Gals.		Depth		Deviation		Consumption		Gals.		Depth		Deviation		Consumption		Gals.		Depth		Deviation		Consumption		Gals.									
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CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR
Driller <u>D. CLARK</u>	Core Bit <u>Serial</u>	Driller <u>H. BARNARD</u>	Core Bit <u>Serial</u>	Driller <u>L. JACOBSE</u>	Core Bit <u>Serial</u>	Driller <u>L. JACOBSE</u>	Core Bit <u>Serial</u>
Derrickman <u>H. HUCULAK</u>	Reaming Bit <u>Serial</u>	Derrickman <u>ALYBURNER</u>	Reaming Bit <u>Serial</u>	Derrickman <u>W. THOMSON</u>	Reaming Bit <u>Serial</u>	Derrickman <u>W. THOMSON</u>	Reaming Bit <u>Serial</u>
Rotary Helper <u>V. TINDALL</u>	Core Cutters SF HF	Rotary Helper <u>E. DUPERREON</u>	Core Cutters SF HF	Rotary Helper <u>N. BEAR STREISER</u>	Core Cutters SF HF	Rotary Helper <u>N. BEAR STREISER</u>	Core Cutters SF HF
Fireman <u>H. BURCIE</u>	Swab Rubbers	Fireman <u>D. MACKAY</u>	Swab Rubbers	Fireman <u>L. DUPERREON</u>	Swab Rubbers	Fireman <u>L. DUPERREON</u>	Swab Rubbers
		Leaseman <u>S. BERBERAND</u>		Leaseman <u>S. BERBERAND</u>		Leaseman <u>S. BERBERAND</u>	

REMARKS	FROM	TO	REMARKS	FROM	TO	REMARKS	FROM	TO
SERU RIG	12.00	12.15	SERVICE RIG	8.00	8.15	SERV. P.C.	11	11.15
RUN IN WITH MAGNET	12.15	12.45	Q CORING	8.15	8.30	LAY DOWN Q CORE HBL	11.15	11.30
CLEAN OUT TO BOTTOM	12.45	1.00	PULL OUT WITH CORE	8.30	8.45	RUN IN	11.30	11.45
WORK ON PUMP MOTORS	1.00	2.30	HANDLE CORE	8.45	9.00	REAMING RAT HOLE TO 178	11.45	12.00
WORK MAGNET ON BOTTOM	2.30	2.45				DRILLING	12.00	12.15
PULL OUT WITH MAGNET	2.45	4.00						
PICK UP MAKE CORE BBL	4.00	4.45						
RUN IN WITH CORE BBL	4.45	6.00						
TIGHT SPOTS LAST 5 SINGLES	6.00							
PJT KELLY ON WORK TO BOTTOM		7.15						
Q CORING	7.15	8.00						

Company Representative

GUTHRIE McLAREN DRILLING LTD.

Well No. TROUT RIVER # 2 BRIGGS

Lsd. Sec. Twp. Rge. W.

Date FEB. 16/60

Drilled From 3000 To 3118 Hole Made 118

Drilled From 3118 To 3229 Hole Made 111

Drilled From 3229 To 3270 Hole Made 41

Bit No.	101007	No. Stds.	45	Length	2721.44	Bit No.	101007	No. Stds.	47	Length	2842.41	Bit No.	6	No. Stds.	47-5	Length	2873.27
Serial No.	101007	No. D.C.'s	13	Length	364.08	Serial No.	101007	No. D.C.'s	13	Length	364.08	Serial No.	101007	No. D.C.'s	13	Length	364.08
Bit Size	7 7/8			Length		Bit Size	7 7/8			Length		Bit Size	7 7/8			Length	
Bit Type	VT3			Length		Bit Type	VT3			Length		Bit Type	VT3			Length	
Dr. from	2780	Kelly in =			32.48	Dr. from	2780	Kelly in =			32.51	Dr. from	2780	Kelly in =			32.65
Dr. to	3118	TOTAL =			3118.00	Dr. to	3229	TOTAL =			3229.00	Dr. to	3220	TOTAL =			3270.00
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 3/4	Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 3/4	Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	4 1/2
		D.C.I.D. Top	2 7/8	Hrs. Off Bottom	1 1/2			D.C.I.D. Top	2 7/8	Hrs. Off Bottom	1 1/2			D.C.I.D. Top	2 7/8	Hrs. Off Bottom	3 1/2
Cored to		Pipe Size	4 1/2	Trip Time		Cored to		Pipe Size	4 1/2	Trip Time		Cored to		Pipe Size	4 1/2	Trip Time	
Reamed from		C.S.G. Set at	452	Serv. Time		Reamed from		C.S.G. Set at	452	Serv. Time		Reamed from		C.S.G. Set at	452	Serv. Time	
Reamed to		C.S.G. Size	8 5/8	Rep. Time		Reamed to		C.S.G. Size	8 5/8	Rep. Time		Reamed to		C.S.G. Size	8 5/8	Rep. Time	
Total Bit Footage	338					Total Bit Footage	447					Total Bit Footage	490				
Bit Hrs.	18	Pipe in Hole	90 Jts.	Diesel Fuel Meter Reading		Bit Hrs.	25 3/4	Pipe in Hole	Jts.	REMARKS:		Bit Hrs.	30 1/4	Pipe in Hole	95 Jts.	REMARKS:	
Table R.P.M.	110	Pipe on Racks	45 Jts.	Today	81	Table R.P.M.	110	Pipe on Racks	Jts.	645 3/4		Table R.P.M.	110	Pipe on Racks	40 Jts.		

Total Pipe on Lease 135 Jts.										Total Pipe on Lease 135 Jts.										Total Pipe on Lease 135 Jts.																																												
Depth					Deviation					Yesterday					Consumption					Gals.					Depth					Deviation					Checked BOPS					Depth					Deviation					2 KELLEY ROCK					Depth					Deviation				
Depth					Deviation																				Depth					Deviation															Depth					Deviation														
Depth					Deviation																				Depth					Deviation															Depth					Deviation														
No.	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size																													
12	10.9	85	66	700	1/3	✓	7 1/4 x 14	6 3/4	8	11.0	95	66	700	1/2	✓	7 1/4 x 14	6 3/4	4	11.1	115	66	700	1/2	✓	7 1/4 x 14	6 3/4	4	11.1	115	66	700	1/2	✓	7 1/4 x 14	6 3/4																													
1	10.9	87	66	700	1/3	✓	Water-Loss	Filter Cake	9	11.0	103	66	700	1/2	✓	Water-Loss	Filter Cake	5	11.1	111	66	700	1/2	✓	Water-Loss	Filter Cake	5	11.1	111	66	700	1/2	✓	Water-Loss	Filter Cake																													
2	10.9	86	66	700	1/3	✓	5.2	2/32	10	10.9	105	66	700	1/2	✓	3.4	2/32	6	11.1	109	66	700	1/2	✓	5.2	2/32	6	11.1	109	66	700	1/2	✓	5.2	2/32																													
3	11	100	66	700	1/3	✓	5.0	3/32	11	10.9	104	66	700	1/2	✓	4.2	3/32	7	11	100	66	700	1/2	✓	4.2	3/32	7	11	100	66	700	1/2	✓	4.2	3/32																													
4	11	96	66	700	1/3	✓	4.8	2/32	12	11.0	118	66	700	1/2	✓	5.1	2/32	8	11	95	66	700	1/2	✓	4.8	2/32	8	11	95	66	700	1/2	✓	4.8	2/32																													
5	10.9	84	66	700	1/3	✓	Mud Added Sacks	1000	1	11.0	117	66	700	1/2	✓	Mud Added Sacks	1000	9	11	94	66	700	1/2	✓	Mud Added Sacks	1000	9	11	94	66	700	1/2	✓	Mud Added Sacks	1000																													
6	10.8	65	66	700	1/3	✓	Chemicals Added Lbs.	SPERSENE #150	2	11.0	116	66	700	1/2	✓	Chemicals Added Lbs.	SPERSENE #150	10	11	94	66	700	1/2	✓	Chemicals Added Lbs.	SPERSENE #150	10	11	94	66	700	1/2	✓	Chemicals Added Lbs.	SPERSENE #150																													
7	11	80	66	700	1/2	✓	Chemicals Added Lbs.	SPERSENE #150	3	11.0	114	66	700	1/2	✓	Chemicals Added Lbs.	SPERSENE #150	11	11	94	66	700	1/2	✓	Chemicals Added Lbs.	SPERSENE #150	11	11	94	66	700	1/2	✓	Chemicals Added Lbs.	SPERSENE #150																													

CREW			MATERIALS CHARGED TO OPERATOR			CREW			MATERIALS CHARGED TO OPERATOR			CREW			MATERIALS CHARGED TO OPERATOR		
Driller	O. GUARA		Core Bit		Serial	Driller	H. B. M. FORD		Core Bit		Serial	Driller	E. L. LASS		Core Bit		Serial
Derrickman	H. HUCULAK		Reaming Bit		Serial	Derrickman	A. L. M. BERNER		Reaming Bit		Serial	Derrickman	W. Johnson		Reaming Bit		Serial
Cat Headman			Core Cutters SF. HF		Core Catchers SF. HF	Cat Headman	E. D. PIERSON		Core Cutters SF. HF		Core Catchers SF. HF	Cat Headman	W. B. RESTATER		Core Cutters SF. HF		Core Catchers SF. HF
Rotary Helper	D. J. DALL		Swab Cups		Swab Rubbers	Rotary Helper	E. H. HUCULAK		Swab Cups		Swab Rubbers	Rotary Helper	R. Wilkins		Swab Cups		Swab Rubbers
Mary Helper	F. S. BRESTON					Rotary Helper						Rotary Helper					
Fireman	H. B. P. G. E.					Fireman	U. M. A. K. E. Y.					Fireman	L. D. P. E. R. S. O. N.				
Leaseman						Leaseman	W. G. B. A. R. R. A. N. D. L.					Leaseman					

[illegible]

Company Representative

GUTHRIE McLAREN DRILLING LTD.

Well No. BRIGGS TRIBUT RIVER #2

Lsd. Sec. Twp. Rge. W.

Date FEB 14 1960

Tool Pusher

Drilled From 5563 To 2738 Hole Made 175

Drilled From 27.58 To 28.35 Hole Made 97

Drilled From 2835 To 3000 Hole Made 165

[illegible][illegible][illegible][illegible]

REMARKS	FROM	TO	REMARKS	FROM	TO	REMARKS	FROM	TO
SERV. RIG	1200	1215	SERVICE RIG	800	815	SERV. RIG	11	11
DRILLING	1215	8:00	DRILLING 7 ³ / ₈ HOLE	815	1005	DRILLING	11:15	12
			DROPPED SURVEY	1015	1030			
			TRIP IN EW BIC + STRAP PIPE	1030	120			
			DRILLING 7 ³ / ₈ HOLE	130	400			
			PIPE TALLY 2312.54					
			" MEASURE 2312.58 IN CORRECTION					
			DAMPED SAND TRAP					
			BROKE D. C. GDD FROM					
			Tap.					

Company Representative

GUTHRIE McLAREN DRILLING LTD.

Well No. RIGGS TROUT RIVER #2

Date FEB 14 / 60

Lsd. Sec. Twp. Rge. W.

Drilled From 2140 To 2190 Hole Made 50

Drilled From 2190 To 2378 Hole Made 198

Drilled From 2378 To 2563 Hole Made 185

Bit No.	4	5	No. Stds.	29-5	Length	1786.25
Serial No.	896079	096084	No. D.C.'s	13	Length	366.13
Bit Size	7 7/8	7 7/8			Length	
Bit Type	VT3	VT3			Length	
Dr. from	1150	5160	Kelly in =			37.12
Dr. to	2160	2190	TOTAL =			2190.00
Cored from			D.C.O.D. Top	1 1/4	Hrs. On Bottom	3
Cored to			D.C.I.D. Top	2 7/8	Hrs. Off Bottom	5
Reamed from			Pipe Size	4 1/2	Trip Time	
Reamed to			C.S.G. Set at	452	Serv. Time	
Total Bit Footage	510	30	C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.	23 1/2	1 1/2	Pipe in Hole	Jts.	Diesel Fuel Meter Reading	
Table R.P.M.	120	120	Pipe on Racks	Jts.	Today	

Bit No.	8		No. Stds.	33	Length	199878
Serial No.	096084		No. D.C.'s		Length	6663
Bit Size	7 7/8				Length	
Bit Type	VT3				Length	
Dr. from	2160		Kelly in =			1259
Dr. to	2378		TOTAL =			2378.00
Cored from			D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 3/4
Cored to			D.C.I.D. Top	2 7/8	Hrs. Off Bottom	4
Reamed from			Pipe Size	4 1/2	Trip Time	
Reamed to			C.S.G. Set at	452	Serv. Time	
Total Bit Footage	218		C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.	9 1/4		Pipe in Hole	66	Jts.	REMARKS:
Table R.P.M.	120		Pipe on Racks	69	Jts.	CHECKED BORS

Bit No.	5		No. Stds.	36	Length	2180.81
Serial No.	096084		No. D.C.'s	13	Length	366.63
Bit Size	7 7/8				Length	
Bit Type	VT3				Length	
Dr. from	2160		Kelly in =			15.56
Dr. to	2563		TOTAL =			2563.00
Cored from			D.C.O.D. Top	6 1/4	Hrs. On Bottom	2 3/4
Cored to			D.C.I.D. Top	2 7/8	Hrs. Off Bottom	1 1/4
Reamed from			Pipe Size	4 1/2	Trip Time	
Reamed to			C.S.G. Set at	452	Serv. Time	
Total Bit Footage	403		C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.	17		Pipe in Hole	72	Jts.	REMARKS:
Table R.P.M.	120		Pipe on Racks	63	Jts.	CHECK B.O.P.S

Depth	Deviation	Total Pipe on Lease	Jts.	Yesterday	
Depth	Deviation			Consumption	Gals.
Depth	Deviation				
Depth	Deviation				
Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit. Gauge
12	11.10	66	700	1/2	
1	11.10	66	700	1/2	
2					
3					
4	10.85	66	700	1/2	
5	10.87	66	700	1/2	
6	10.89	66	700	1/2	
7	10.89	66	700	1/2	

Depth	Deviation	Total Pipe on Lease	Jts.	Yesterday	
Depth	Deviation			Consumption	Gals.
Depth	Deviation				
Depth	Deviation				
Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit. Gauge
8	10.89	66	700	1/2	
9	10.89	66	700	1/2	
10	10.89	66	700	1/2	
11	10.89	66	700	1/2	
12	10.89	66	700	1/2	

Depth	Deviation	Total Pipe on Lease	Jts.	Yesterday	
Depth	Deviation			Consumption	Gals.
Depth	Deviation				
Depth	Deviation				
Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit. Gauge
4	10.8	150	65	1/2	
5	10.8	148	11	700	3/4
6	11.1	136	11	15	3/4
7	11.0	130	11	11	Full
8	11.1	106	11	4	3/4
9	11	84	11	11	3/4
10	10.9	85	11	11	3/4
11	10.8	88	11	11	3/4

CREW	MATERIALS CHARGED TO OPERATOR
Driller: H. CLARK	Core Bit: Serial
Derrickman: H. HUGHES	Reaming Bit: Serial
Cat Headman: F. HUGHES	Core Cutters: SF, HF
Rotary Helper: F. HUGHES	Swab Rubbers
Fireman: H. HUGHES	
Leaseman: H. HUGHES	

CREW	MATERIALS CHARGED TO OPERATOR
Driller: H. CLARK	Core Bit: Serial
Derrickman: H. HUGHES	Reaming Bit: Serial
Cat Headman: F. HUGHES	Core Cutters: SF, HF
Rotary Helper: F. HUGHES	Swab Rubbers
Fireman: H. HUGHES	
Leaseman: H. HUGHES	

CREW	MATERIALS CHARGED TO OPERATOR
Driller: F. HUGHES	Core Bit: Serial
Derrickman: H. HUGHES	Reaming Bit: Serial
Cat Headman: F. HUGHES	Core Cutters: SF, HF
Rotary Helper: F. HUGHES	Swab Rubbers
Fireman: H. HUGHES	
Leaseman: H. HUGHES	

REMARKS	FROM	TO
SERV RIG	12:00	12:15
DRILLING	12:15	14:15
PULL OUT FOR BIT	14:15	2:45
SLIP LINE	2:45	3:15
RUN IN	3:15	4:45
DRILLING	4:45	7:00
CHANGE COARSE NECK PACKING	7:00	8:00
8 STDS		
DRILLING		

REMARKS	FROM	TO
SERV RIG	8:00	8:15
DRILLING	8:15	12:00

REMARKS	FROM	TO
SERV RIG	4	4:15
DRILLING	4:15	9:15
RUN SCARF	9:15	9:30
DRILLING	9:30	12:00

Tool Pusher

Well No. BORERS TRAIT RIVER²

Lsd. Sec. Twp. Rge. W.

Drilled From 2085- To 2140 Hole Made 125-

Company Representative

Tool Pusher

GUTHRIE McLAREN DRILLING LTD.

Well No. BRECK'S Trout R. # 2

Lsd. Sec. Twp. R. W.

Drilled From 1167 To 1372 Hole Made 205

Drilled From 1372 To 1485 Hole Made 113

Drilled From 1485 To 1650 Hole No. 165

Bit No.	3	No. Stds.	16	Length	969.32	Bit No.	3	No. Stds.	18	Length	1089.84	Bit No.	5	No. Stds.	20	Length	1271.89
Serial No.	995341	No. D.C.'s	13	Length	366.63	Serial No.	995341	No. D.C.'s		Length	366.63	Serial No.	995341	No. D.C.'s	13	Length	366.63
Bit Size	7 3/4			Length		Bit Size	7 7/8			Length		Bit Size	7 7/8			Length	
Bit Type	YT1			Length		Bit Type	YT1			Length		Bit Type	YT1			Length	
Dr. from	1100	Kelly in =			36.05	Dr. from	1100	Kelly in =			28.53	Dr. from	1100	Kelly in =			12.48
Dr. to	1322	TOTAL =			1372.00	Dr. to	1485	TOTAL =			1485.00	Dr. to	1650	TOTAL =			1650.00
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 3/4	Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 3/4	Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7
Cored to		D.C.L.D. Top	2 3/4	Hrs. Off Bottom	9 1/4	Cored to		D.C.L.D. Top	2 7/8	Hrs. Off Bottom	14	Cored to		D.C.L.D. Top	2 7/8	Hrs. Off Bottom	1
Reamed from		Pipe Size	4 1/2	Trip Time		Reamed from		Pipe Size	4 1/2	Trip Time		Reamed from		Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	452	Serv. Time		Reamed to		C.S.G. Set at	452	Serv. Time		Reamed to		C.S.G. Set at	452	Serv. Time	
Total Bit Footage	272	C.S.G. Size	8 7/8	Rep. Time		Total Bit Footage	485	C.S.G. Size	8 5/8	Rep. Time		Total Bit Footage	550	C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.	10 1/4	Pipe in Hole	32	Jts.	Diesel Fuel Meter Reading	Bit Hrs.	18	Pipe in Hole	36	Jts.	REMARKS:	Bit Hrs.	25	Pipe in Hole	41	Jts.	REMARKS:
Table R.P.M.	130	Pipe on Racks	105	Jts.	Today 5 feet	Table R.P.M.	130	Pipe on Racks	99	Jts.	CHECK BOP	Table R.P.M.	130	Pipe on Racks	93	Jts.	CHECK BOP

Depth	Deviation	Total Pipe on Lease 135 Jts.	Yesterday	Depth	Deviation	Total Pipe on Lease 135 Jts.	P KELLY COCK	Depth 1480	Deviation 2 1/2"	Total Pipe on Lease 135 Jts.	FUEL 4-2
Depth	Deviation		Consumption	Gals.	Depth	Deviation		Depth	Deviation		
Depth	Deviation				Depth	Deviation	FUEL 4' 3"	Depth	Deviation		
Depth	Deviation				Depth	Deviation		Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pres-sure	Pit. Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pres-sure	Pit. Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pres-sure	Pit. Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	
2	10.1	80	66	550	1/2	✓	Liner Size 7 1/4 x 1 1/4	Liner Size 6 3/4	8	10.4	77	66	600	3/4	✓	Liner Size 7 1/4 x 1 1/4	Liner Size 6 3/4	4	10.2	83	65	600	1/4	✓	Liner Size 7 1/4 x 1 1/4	Liner Size 6 3/4	
1	10.2	80	66	550	1/2	✓	Water-Loss	Filter Cake	PH	9	10.1	75	66	600	3/4	✓	Water-Loss	Filter Cake	5	10.2	86	65	600	1/4	✓	Water-Loss	Filter Cake
2	10.2	113	66	550	1/2	✓	6.2	2/32	12.5	10	10.1	73	66	600	3/4	✓	2.6	2/32	6	10.2	87	65	600	1/4	✓	5.6	2/32
3	10.3	120	66	600	1/2	✓	5	2/32	12.5	11	10.2	69	66	600	3/4	✓	8.6	2/32	7	10.2	106	65	600	1/4	✓	4.4	2/32
4	10.3	91	66	600	1/2	✓				12	10.5	63	66	600	3/4	✓	5.8	2/32	8	10.4	102	65	600	1/4	✓	5.8	2/32
5	10.2	81	66	600	1/2	✓	Mud Added Sacks 400# M/Acrogel		1	10.5	63	66	600	3/4	✓	Mud Added Sacks 400# M/Acrogel		9	10.4	97	65	600	1/4	✓	Mud Added Sacks M/L-L-O-SH 150		
6	10.2	79	66	600	1/2	✓	Chemicals Added Lbs. 150# M/L-L-O-SH		2	10.5	63	66	600	3/4	✓	Chemicals Added Lbs. M/L-L-O-SH 100#		10	10.4	94	65	600	1/4	✓	Chemicals Added Lbs. M/L-L-O-SH 150#		
7	10.2	78	66	600	3/4	✓			3	10.5	65	66	600	1/2	✓	SPURBLENT 100#		11									

Crew	MATERIALS CHARGED TO OPERATOR	Crew	MATERIALS CHARGED TO OPERATOR	Crew	MATERIALS CHARGED TO OPERATOR
Driller J. LA-RASSE	Core Bit	Driller D. CLARK	Core Bit	Driller H. AMFORD	Core Bit
Derrickman W. TOLSON	Reaming Bit	Derrickman H. FULTON	Reaming Bit	Derrickman A. CHAMBERLIN	Reaming Bit
Cat Headman N. REISCHNER	Core Cutters SF HF	Cat Headman	Core Cutters SF HF	Cat Headman E. LOPFERMAN	Core Cutters SF HF
Rotary Helper R. WILLIAMS	Swab Cups	Rotary Helper P. TINDALL	Swab Cups	Rotary Helper C. H. MORRAN	Swab Cups
Fireman	Swab Rubbers	Rotary Helper E. SIBBLESTON	Swab Rubbers	Rotary Helper	Swab Rubbers
Taxseman L. OUFERMAN		Fireman H. BOGGE		Fireman D. MACKAY	
		Leaseman		Leaseman	

[illegible]

Company Representative

GUTHRIE McLAREN DRILLING LTD.

Well No. BREE'S TRAIL RIVER #2

Tool Punched

Date FEB 11/68

Lsd. Sec. Twp. Rge. W.

Drilled From 937 To 965 Hole Made 128

Drilled From 965 To 1065 Hole Made 100

Drilled From 1065 To 1163 Hole Made 102

Bit No.	2	No. Stds.	9-2	Length	576.79	Bit No.	2	No. Stds.	11	Length	668.83	Bit No.	2	3	No. Stds.	13	Length	787.69
Serial No.	045070	No. D.C.'s	13	Length	366.63	Serial No.	045070	No. D.C.'s	13	Length	366.63	Serial No.	081036	995341	No. D.C.'s	13	Length	366.63
Bit Size	7 7/8			Length		Bit Size	7 7/8			Length		Bit Size	7 7/8	7 7/8			Length	
Bit Type	VTI			Length		Bit Type	VTI			Length		Bit Type	VTI	VTI			Length	
Dr. from	730	Kelly in =			21.58	Dr. from	730	Kelly in =			32.04	Dr. from	730	1100	Kelly in =			12.68
Dr. to	965	TOTAL =			965.00	Dr. to	1065	TOTAL =			1065.00	Dr. to	1800	1167	TOTAL =			1167.00
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	3 3/4	Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	2 1/2	Cored from			D.C.O.D. Top	6 1/4	Hrs. On Bottom	6
Cored to		D.C.I.D. Top	2 3/4	Hrs. Off Bottom	14	Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom	1/2	Cored to			D.C.I.D. Top	2 7/8	Hrs. Off Bottom	2
Reamed from		Pipe Size	11 1/2	Trip Time		Reamed from		Pipe Size	4 1/2	Trip Time		Reamed from			Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	452	Serv. Time		Reamed to		C.S.G. Set at	452	Serv. Time		Reamed to			C.S.G. Set at	452	Serv. Time	
Total Bit Footage	235	C.S.G. Size	8 5/8	Rep. Time		Total Bit Footage	335	C.S.G. Size	8 5/8	Rep. Time		Total Bit Footage	370	67	C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.	13 1/2	Pipe in Hole	19	Jts.	Diesel Fuel Meter Reading	Bit Hrs.	21	Pipe in Hole	22	Jts.	REMARKS:	Bit Hrs.	24 1/2	24	Pipe in Hole	26	Jts.	REMARKS:
Table R.P.M.	130	Pipe on Racks	116	Jts.	Today P11	Table R.P.M.	130	Pipe on Racks	113	Jts.	CHECKED BOPS	Table R.P.M.	130	180	Pipe on Racks	109	Jts.	CAS 21

Depth	Deviation	Total Pipe on Lease	135 Jts.	Yesterday	Depth	9.90	Deviation	1°	Total Pipe on Lease	135 Jts.	E KELLY ROCK	Depth	Deviation	Total Pipe on Lease	135 Jts.	FUEL 2-10
Depth	Deviation			Consumption	Gals.	Depth		Deviation			DK	Depth	Deviation			
Depth	Deviation					Depth		Deviation				Depth	Deviation			
Depth	Deviation					Depth		Deviation			FUEL 503 GAL	Depth	Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	
12	80.1	8.0	66	575	1/2		7/4 x 14		8	10.2	6.5	66	575	1/2		7/4 x 14		
							Liner Size 6 3/4									Liner Size 6 3/4		
1	11	76	11	11	11		Water-Loss	Filter Cake	PH	9	10.2	6.3	66	575	1/2	Water-Loss	Filter Cake	PH
2	10.2	73	66	11	1/2		6.2	7/32	12.5	10	10.2	6.0	66	575	1/2	5.5	7/32	12.5
3	11	72	11	575	1/2					11	10.2	6.4	66	575	1/2	5.8	7/32	12
4	10.2	73	66	11	11					12	10.2	7.3	66	575	1/2	5	7/32	13.0
5	11	71	11	11	1/2		Mud Added Sacks			1	10.2	6.6	66	575	1/2	Mud Added Sacks		
6	10.5	71	66	575	11		Chemicals Added Lbs. 100#	SPERSENE		2	10.2	5.2	66	575	1/2	Chemicals Added Lbs. 50#	SPERSENE	
7	11	70	11	11	1/2		100#	Caustic		3	10.2	5.0	66	575	3/4	50#	Caustic	

CREW			MATERIALS CHARGED TO OPERATOR			CREW			MATERIALS CHARGED TO OPERATOR			CREW			MATERIALS CHARGED TO OPERATOR		
Driller	F. LARSEN		Core Bit	Serial		Driller	D. CLARK		Core Bit	Serial		Driller	H. DANFORD		Core Bit	Serial	
Derrickman	G. THURSON		Reaming Bit	Serial		Derrickman	H. HUFFMAN		Reaming Bit	Serial		Derrickman	W. MURDERER		Reaming Bit	Serial	
Cat Headman	N. BEARSTADT		Core Cutters SF. HF.	Core Catchers SF. HF.		Cat Headman			Core Cutters SF. HF.	Core Catchers SF. HF.		Cat Headman	F. MURKIN		Core Cutters SF. HF.	Core Catchers SF. HF.	
Rotary Helper	R. WILSON		Swab Cups	Swab Rubbers		Rotary Helper	D. TINDALL		Swab Cups	Swab Rubbers		Rotary Helper	C. H. CLEAK		Swab Cups	Swab Rubbers	
Rotary Helper						Rotary Helper	E. SIBBESTON					Rotary Helper					
Fireman	L. A. PEARSON					Fireman	H. BOCCIE					Fireman	D. MACHEY				
Leaseman						Leaseman						Leaseman					

[illegible]

Company Representative

GUTHRIE McLAREN DRILLING LTD.

Well No. B.P.C.s Trout River 2

Tool Pallet

Date FEB 10/60

Lsd. Sec. Twp. Pge. W.

Drilled From 535 To 554 Hole Made 119

Drilled From 654 To 730 Hole Made 76

Drilled From 750 To 857 Hole Made 107

Bit No.	1	No. Stds.	5-5	Length	334.76
Serial No.	994996	No. D.C.'s	10	Length	282.97
Bit Size	7 7/8			Length	
Bit Type	YT			Length	
Dr. from	456	Kelly in			36.27
Dr. to	654	TOTAL			654.00
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 3/4
Cored to		D.C.I.D. Top	2 1/4	Hrs. Off Bottom	1/4
Reamed from		Pipe Size	6 1/2	Trip Time	
Reamed to		C.S.G. Set at	452	Serv. Time	
Total Bit Footage	198	C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.	11 3/4	Pipe in Hole	11	Jts.	Diesel Fuel Meter Reading
Table R.P.M.	150	Pipe on Racks	126	Jts.	Today 2 1/2

Bit No.	1	No. Stds.	7	Length	425.44
Serial No.	994996	No. D.C.'s		Length	383.97
Bit Size	7 7/8			Length	
Bit Type	VT			Length	
Dr. from	456	Kelly in =			31.59
Dr. to	730	TOTAL =			730.00
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 1/4
Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom	3 1/4
Reamed from		Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	452	Serv. Time	
Total Bit Footage	274	C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.	19	Pipe in Hole	14	Jts.	REMARKS:
Table R.P.M.	150	Pipe on Back	133		CHECKED

Bit No.	2	No. Stds.	7-5	Length	125510
Serial No.	085030	No. D.C.'s	13	Length	36663
Bit Size	7 7/8			Length	
Bit Type	VT1			Length	
Dr. from	730	Kelly in =			
Dr. to	837	TOTAL =			1495
Cored from		D.C.O.D. Top	6 3/4	Hrs. On Bottom	5 3/4
Cored to		D.C.I.D. Top	12 1/4	Hrs. Off Bottom	2 1/4
Reamed from		Pipe Size	11 1/2	Trip Time	
Reamed to		C.S.G. Set at	1152	Serv. Time	
Total Bit Footage	107	C.S.G. Size	8 3/4	Rep. Time	
Bit Hrs.	5 3/4	Pipe in Hole	15	Jts.	REMARKS:
Table					

Depth	Deviation	Total Pipe on Lease / 37 Jts	Yesterday
Depth	Deviation		Consumption Gals.
Depth	Deviation		
Depth	Deviation		

Depth	Deviation	Total Pipe on Lease	137 Jts.	COCK & FIRE EXTINGUISHERS
Depth	Deviation			
Depth	Deviation			
Depth	Deviation			

R.P.M.	100		Pipe on Racks	120	Jts.	GAS 28"
Depth	740	Deviation	19a	Total Pipe on Lease	135	Jts. FUEL 21"
Depth		Deviation				
Depth		Deviation				

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit. Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
12	9.5	38	66	250	1/3		2 1/4" X 1 1/4"	
1	9.5	48	66	250	1/3		6 3/4"	
2	9.6	60	66	250	1/3		Water Loss	Filter Cake
3	9.7	58	66	250	1/3		13	3 1/2"
4	9.8	56	66	250	1/3		9	3 1/2"
5	9.9	54	66	250	1/3		Mud Added Sacks	PH
6	9.9	53	66	250	1/3		800# Magacel	
7	10	51	66	250	1/3		Chemicals Added Lbs.	150# Alginate

Time	Wt.	Via	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
8	102	48	66	250	1/3		7 1/4 x 1 1/4	
9	102	54	66	325	1/3		Liner Size 6 3/4	Liner Size
10	102	67	66	325	1/3		Water Loss	Filter Cake
11	102	69	66	325	1/3		8"	7/32
12	102	77	66	325	1/3		7.8	7/32
1	102	72	66	325	1/3		9	7/32
2	102	66	66	325	1/3		Mud Added Sacks	7.6 580
3	102	39	66	325	1/3		Chemicals Added Lbs	100 8 1/2 pints

Depth		Deviation						
Time	Wt.	Vls.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
4		RIP					7 1/4 x 1 1/4	
5		FDR					6 3/4	
6	10.1	63	66	575	1/3	✓	9.1	2/32
7	10.1	59	66	575	1/3	✓	5.6	2/32
8	10.1	50	66	575	1/2	✓	5.6	2/32
9	10.1	110	66	575	1/3		Mud Added Sacks	MABCCOFEI 800
10	10.1	112	66	575	1/2		Chemicals Added/Lbs	24-50-50-200-4
11							24-50-50-200-4	1000

CREW		MATERIALS CHARGED TO OPERATOR	
Driller	F. LACASSE	Core Bit	Serial
Derrickman	W. LAFRANCO	Reaming Bit	Serial
Shot Headman	N. HERRING	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	R. WILKINS	Swab Clips	Swab Rubbers
Rotary Helper			
Fireman	L. DEPERON		
Leaseman			

CREW		100 E. 10th St.	
Driller	D. C. ORK	Core Bit	Serial
Derrickman	H. HINDENBERG	Reaming Bit	Serial
Cat Headman		Core Cutters SF, HF	Core Catchers SF, HF
Rotary Helper	D. TINDALL	Swab Cups	Swab Rubbers
Rotary Helper	E. SUBBASTON		
Fireman	H. BURGE		
Leaseman			

10/1/92	6653			SPARSENF 100 #
CREW			MATERIALS, CHARGE TO OPERATOR	
Driller	H. BARNFORD		Core Bit	Serial
Derrickman	J. B. BURNETT		Reaming Bit	Serial
Cat Headman	J. D. PETERSON		Core Cutters SF/HF	Core Catchers SF/HF
Rotary Helper	C. H. BURKAK		Swab Cups	Swab Rubbers
Rotary Helper				
Fireman	D. MCKEY			

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Company Representative

GUTHRIE McLAREN DRILLING LTD.

Well No. BRICE'S TRACT LATE #2

Lsd. Sec. Twp. Rge. W.

Tool Pusher

Date FEB 9/60

Drilled From _____	To _____	Hole Made _____	Drilled From _____	To _____	Hole Made _____	Drilled From <u>456</u>	To <u>595</u>	Hole Made <u>79</u>
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Bit No.		No. Stds.	Length	Bit No.		No. Stds.	Length	Bit No.	1	No. Stds.	3-3	Length	21286
Serial No.		No. D.C.'s	Length	Serial No.		No. D.C.'s	Length	Serial No.	994991	No. D.C.'s	10	Length	28797
Bit Size			Length	Bit Size			Length	Bit Size	7 7/8			Length	
Bit Type			Length	Bit Type			Length	Bit Type	V.T.			Length	
Dr. from		Kelly In ==		Dr. from		Kelly In ==		Dr. from	1456	Kelly In ==			3917
Dr. to		TOTAL ==		Dr. to		TOTAL ==		Dr. to	535	TOTAL ==			53500
Cored from		D.C.O.D. Top D.C.I.D. Top	Hrs. On Bottom Hrs. Off Bottom	Cored from		D.C.O.D. Top D.C.I.D. Top	Hrs. On Bottom Hrs. Off Bottom	Cored from		D.C.O.D. Top	6 1/2	Hrs. On Bottom	
Cored to				Cored to				Cored to		D.C.I.D. Top	9 7/8	Hrs. Off Bottom	
Reamed from		Pipe Size	Trip Time	Reamed from		Pipe Size	Trip Time	Reamed from		Pipe Size	14 1/2	Trip Time	
Reamed to		C.S.G. Set at	Serv. Time	Reamed to		C.S.G. Set at	Serv. Time	Reamed to		C.S.G. Set at	1452	Serv. Time	
Total Bit Footage		C.S.G. Size	Rep. Time	Total Bit Footage		C.S.G. Size	Rep. Time	Total Bit Footage	79	C.S.G. Size	8578	Rep. Time	
Bit Hrs.		Pipe in Hole	Jts.	Bit Hrs.		Pipe in Hole	Jts.	REMARKS:	4	Pipe in Hole		Jts.	REMARKS:
Table R.P.M.		Pipe on Racks	Jts.	Table R.P.M.		Pipe on Racks	Jts.		150	Pipe on Racks		Jts.	EAS P...

Depth	Deviation	Total Pipe on Lease	Jts.	Yesterday	Depth	Deviation	Total Pipe on Lease	Jts.		Depth	Deviation	Total Pipe on Lease	Jts.	PLUT 23
Depth	Deviation			Consumption	Gals.	Depth	Deviation			Depth	Deviation			
Depth	Deviation					Depth	Deviation			Depth	Deviation			
Depth	Deviation					Depth	Deviation			Depth	Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	
12							Liner Size	Liner Size	8							Liner Size	Liner Size	4							Liner Size	Liner Size	
1							Water Loss	Filter Cake	PH	9						Water Loss	Filter Cake	PH	5						Water Loss	Filter Cake	PH
2									10									6	9.4	33	64	200	1/3		22	2/32	9
3									11									7	9.4	32	54	200	1/3		16	2/32	10.5
4									12									8	9.2	41	54	300	1/3		10	2/32	12.5
5							Mud Added Sacks		1							Mud Added Sacks		9	9.5	51	66	300	1/3		Mud Added Sacks	MARCOCEL 2500	
6							Chemicals Added Lbs.		2							Chemicals Added Lbs.		10	9.5	63	66	300	1/2	✓	Chemicals Added Lbs.	CAUSTIC 150 #	
7									3									11	9.5	61	66	300	1/2	✓		SPERSENF 150 #	

CREW			MATERIALS CHARGED TO OPERATOR			CREW			MATERIALS CHARGED TO OPERATOR			CREW			MATERIALS CHARGED TO OPERATOR		
Driller	F. LAKESE		Core Bit		Serial	Driller	D. CLARK 9 HRS		Core Bit		Serial	Driller	H. BARNARD 9 HRS		Core Bit		Serial
Derrickman	W. JOHNSON		Reaming Bit		Serial	Derrickman	H. HUCKLE		Reaming Bit		Serial	Derrickman	A. W. M. BARNER 9 HRS		Reaming Bit		Serial
Cat Headman	R. B. MASTAINE		Core Cutters SF. HF		Core Catchers SF. HF	Cat Headman	F. DUPERON 9 HRS		Core Cutters SF. HF		Core Catchers SF. HF	Cat Headman	F. DUPERON 9 HRS		Core Cutters SF. HF		Core Catchers SF. HF
Rotary Helper	R. WILKINS		Swab Cups		Swab Rubbers	Rotary Helper	D. TINDALL 9 HRS		Swab Cups		Swab Rubbers	Rotary Helper	C. HULLERAK 9 HRS		Swab Cups		Swab Rubbers
Rotary Helper						Rotary Helper	F. SIBBESTON 9 HRS					Rotary Helper					
Fireman	J. DUPERON					Fireman	H. BUCCIE					Fireman	D. MACKAY				
Leaseman						Leaseman	J. WEBERAND					Leaseman					

[illegible]

Art W. Dilling
Company Representative

GUTHRIE MCLAREN DRILLING LTD.

Well No. *Briggs Trout River #2*

Date *FEB 8 / 60*

Lsd. _____ Sec. _____ Twp. _____ Rge. _____ W. _____

Tool Pusher

Drilled From _____ To *456* Hole Made *0* Drilled From _____ To *456* Hole Made *0* Drilled From _____ To *456* Hole Made *0*

Bit No.		No. Stds.	Length	Bit No.		No. Stds.	Length	Bit No.		No. Stds.	Length
Serial No.		No. D.C.'s	Length	Serial No.		No. D.C.'s	Length	Serial No.		No. D.C.'s	Length
Bit Size			Length	Bit Size			Length	Bit Size			Length
Bit Type			Length	Bit Type			Length	Bit Type			Length
Dr. from		Kelly in		Dr. from		Kelly in		Dr. from		Kelly in	
Dr. to		TOTAL		Dr. to		TOTAL		Dr. to		TOTAL	
Cored from		D.C.O.D. Top	Hrs. On Bottom	Cored from		D.C.O.D. Top	Hrs. On Bottom	Cored from		D.C.O.D. Top	Hrs. On Bottom
Cored to		D.C.I.D. Top	Hrs. Off Bottom	Cored to		D.C.I.D. Top	Hrs. Off Bottom	Cored to		D.C.I.D. Top	Hrs. Off Bottom
Reamed from		Pipe Size	Trip Time	Reamed from		Pipe Size	Trip Time	Reamed from		Pipe Size	Trip Time
Reamed to		C.S.G. Set at	Serv. Time	Reamed to		C.S.G. Set at	Serv. Time	Reamed to		C.S.G. Set at	Serv. Time
Total Bit Footage		C.S.G. Size	Rep. Time	Total Bit Footage		C.S.G. Size	Rep. Time	Total Bit Footage		C.S.G. Size	Rep. Time
Bit Hrs.		Pipe in Hole	Jts.	Bit Hrs.		Pipe in Hole	Jts.	Bit Hrs.		Pipe in Hole	Jts.
Table R.P.M.		Pipe on Racks	Jts.	Table R.P.M.		Pipe on Racks	Jts.	Table R.P.M.		Pipe on Racks	Jts.

Depth	Deviation	Total Pipe on Lease	Jts.	Yesterday	Depth	Deviation	Total Pipe on Lease	Jts.	Depth	Deviation	Total Pipe on Lease	Jts.
Depth	Deviation			Consumption	Depth	Deviation			Depth	Deviation		
Depth	Deviation				Depth	Deviation			Depth	Deviation		
Depth	Deviation				Depth	Deviation			Depth	Deviation		

Time	Wt.	Via	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Via	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Via	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
12							Liner Size	Liner Size	8							Liner Size	Liner Size	4							Liner Size	Liner Size
1							Water-Loss	Filter Cake	9							Water-Loss	Filter Cake	5							Water-Loss	Filter Cake
2									10									6								
3									11									7								
4									12									8								
5							Mud Added Sacks		1							Mud Added Sacks		9							Mud Added Sacks	
6							Chemicals Added Lbs.		2							Chemicals Added Lbs.		10							Chemicals Added Lbs.	
7									3									11								

CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR
Driller <i>E. K. Cope</i>	Core Bit Serial	Driller <i>D. CLARK</i>	Core Bit Serial	Driller <i>H. BARNFORD</i>	Core Bit Serial	Driller <i>H. BARNFORD</i>	Core Bit Serial
Derrickman <i>W. Johnson</i>	Reaming Bit Serial	Derrickman <i>H. HUGULAR</i>	Reaming Bit Serial	Derrickman <i>ALAN BURNER</i>	Reaming Bit Serial	Derrickman <i>ALAN BURNER</i>	Reaming Bit Serial
Cat Headman <i>N. Kerschner</i>	Core Cutters SF HF	Cat Headman	Core Cutters SF HF	Cat Headman <i>P. DUPERON</i>	Core Cutters SF HF	Cat Headman <i>P. DUPERON</i>	Core Cutters SF HF
Rotary Helper <i>B. Williams</i>	Swab Cups	Rotary Helper <i>D. TINDALL</i>	Swab Cups	Rotary Helper <i>C. HARRISON</i>	Swab Cups	Rotary Helper <i>C. HARRISON</i>	Swab Cups
Rotary Helper	Swab Rubbers	Rotary Helper <i>E. SIBBESTON</i>	Swab Rubbers	Rotary Helper	Swab Rubbers	Rotary Helper	Swab Rubbers
Fireman <i>L. DUPERON</i>		Fireman <i>H. BURGIE</i>		Fireman <i>D. MACKAY</i>		Fireman <i>D. MACKAY</i>	
Leaseman		Leaseman <i>J. GERBRANDT</i>		Leaseman		Leaseman	

REMARKS	FROM	TO	REMARKS	FROM	TO	REMARKS	FROM	TO
<i>Run Casing</i>	<i>12</i>	<i>14</i>	<i>W.O.C</i>	<i>9:00</i>	<i>4:00</i>	<i>W.O.C</i>	<i>400</i>	<i>800</i>
<i>Circ & Work Casing</i>	<i>14</i>	<i>230</i>				<i>NIIPLE up BOPS</i>	<i>700</i>	<i>1200</i>
<i>Work Casing While Cementing</i>								
<i>Bump Plug</i>	<i>3</i>	<i>00</i>						
<i>W.O.C</i>	<i>3</i>	<i>8:00</i>						
<i>Run 14 STs 439.46 1-55 24.48 8.58</i>								
<i>NEW MANNINGMAN CASING</i>								
<i>Set at 452 R.B</i>								
<i>Cemented By Howco 275 Sax</i>								
<i>CONST. CEMENT AND 2% CALCIUM CHLORIDE</i>								
<i>Plug down 3:00 A.M.</i>								
<i>Good returns.</i>								

Company Representative

GUTHRIE McLAREN DRILLING LTD.

Well No. Briggs Trout River #2

Lsd. Sec. Twp. Rge. W.

Date FEB 7/60

Tool Pusher

Drilled From 100 To 250 Hole Made 150

Drilled From 250 To 440 Hole Made 190

Drilled From 440 To 456 Hole Made 16

Bit No.	213	No. Stds.	1	Length	60.79	Bit No.	28	4A	No. Stds.	4	Length	242.97	Bit No.	21A	No. Stds.	4	Length	242.97	
Serial No.	RR	No. D.C.'s	6	Length	169.65	Serial No.	RR	RR	No. D.C.'s	6	Length	169.65	Serial No.	RR	No. D.C.'s	6	Length	169.65	
Bit Size	12 1/4		506	Length	1.50	Bit Size	12 1/4	12 1/4	BIT & SUR		Length	2.50	Bit Size	12 1/4		BIT & SUR		Length	2.50
Bit Type	OSC-3			Length		Bit Type	OSC-3	OSC-3			Length		Bit Type	OSC-3			Length		
Dr. from	100	Kelly in =			18.06	Dr. from	100	330	Kelly in =			24.88	Dr. from	330			Kelly in =		40.88
Dr. to	250	TOTAL =			250.00	Dr. to	330	440	TOTAL =			440.00	Dr. to	456			TOTAL =		456.00
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 1/4	Cored from			D.C.O.D. Top		Hrs. On Bottom		Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom		
Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom	3 1/4	Cored to			D.C.I.D. Top		Hrs. Off Bottom		Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom		
Reamed from	49	Pipe Size	4 1/2	Trip Time		Reamed from	49		Pipe Size		Trip Time		Reamed from		Pipe Size	4 1/2	Trip Time		
Reamed to	100	C.S.G. Set at		Serv. Time		Reamed to	100		C.S.G. Set at		Serv. Time		Reamed to		C.S.G. Set at		Serv. Time		
Total Bit Footage	201	C.S.G. Size		Rep. Time		Total Bit Footage	230	110	C.S.G. Size		Rep. Time		Total Bit Footage	126	C.S.G. Size		Rep. Time		
Bit Hrs.	7 3/4	Pipe in Hole	Jts.	Diesel Fuel Meter Reading		Bit Hrs.	11 1/4	23 1/4	Pipe in Hole	Jts.	REMARKS:		Bit Hrs.	4 1/4	Pipe in Hole	Jts.	REMARKS:		
Table R.P.M.	120	Pipe on Racks	Jts.	Today Fuel	4 feet	Table R.P.M.	140	140	Pipe on Racks	Jts.			Table R.P.M.	140	Pipe on Racks	Jts.			

Depth	120	Deviation	1/4"	Total Pipe on Lease	Jts.	Yesterday		Depth	330	Deviation	1/2"	Total Pipe on Lease	Jts.		Depth	440	Deviation	1/2"	Total Pipe on Lease	Jts.
Depth	240	Deviation	1/2"			Consumption	Gals.	Depth		Deviation					Depth		Deviation			
Depth		Deviation						Depth		Deviation					Depth		Deviation			

Time	Wt.	Via	Pump Stroke	Pump Pres. sure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Via	Pump Stroke	Pump Pres. sure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Via	Pump Stroke	Pump Pres. sure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
12	9.2	48	66	-	1/4		7 1/4 X 1 1/4	6 3/4	8	8.7	67	66	200	1/4		7 1/4 X 1 1/4	6 3/4	4	10.1	52	66	375	1/4		7 1/4 X 1 1/4	6 3/4
1	9.2	59	66	-	1/4				9	9.7	70	66	200	1/4				5	10.1	50	66	375	1/4			
2	9.2	53	66	-	1/4				10	9.7	57	66	200	1/4				6	10.0	50	66	375	1/4			
3	9.3	57	66	-	1/4				11	9.7	53	66	400	1/4				7	10.0	50	66	375	1/4			
4	9.3	71	66	-	1/4				12	9.7	56	66	400	1/4				8	10.0	47	66	375	1/4			
5	9.4	80	66	-	1/4				1	9.7	62	66	400	1/4				9	10.0	49	66	375	1/4			
6	9.4	81	66	-	1/4				2	10.1	58	66	400	1/4				10	10.1	49	66	375	1/4			
7	9.5	83	66	300	1/4				3	10.1	52	66	400	1/4				11								

CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR
Driller: L. J. JARVIS	Core Bit: Serial: 1140	Driller: O. CLARK	Core Bit: Serial: 1140	Driller: H. BARNFORD	Core Bit: Serial: 1140	Driller: H. BARNFORD	Core Bit: Serial: 1140
Derrickman: J. JARVIS	Reaming Bit: Serial: 1140	Derrickman: H. H. CULLEN	Reaming Bit: Serial: 1140	Derrickman: J. JARVIS	Reaming Bit: Serial: 1140	Derrickman: J. JARVIS	Reaming Bit: Serial: 1140
Cat. Headman: N. BERTS	Core Cutter: SF. HF. 1140	Cat. Headman: H. H. CULLEN	Core Cutter: SF. HF. 1140	Cat. Headman: J. JARVIS	Core Cutter: SF. HF. 1140	Cat. Headman: J. JARVIS	Core Cutter: SF. HF. 1140
Rotary Helper: R. WILKINS	Swab Cups: 1140	Rotary Helper: D. T. NALL	Swab Cups: 1140	Rotary Helper: J. JARVIS	Swab Cups: 1140	Rotary Helper: J. JARVIS	Swab Cups: 1140
Fireman: L. JARVIS	Swab Rubbers: 1140	Fireman: H. BUGGIE	Swab Rubbers: 1140	Fireman: D. MACKAY	Swab Rubbers: 1140	Fireman: D. MACKAY	Swab Rubbers: 1140
Leaseman: L. JARVIS		Leaseman: J. BERRANDT		Leaseman: J. BERRANDT		Leaseman: J. BERRANDT	

REMARKS	FROM	TO	REMARKS	FROM	TO	REMARKS	FROM	TO
SEALED RIG	12	12:15	SERV. R.C.	8:00	8:15	RUN SURVEY	11:00	11:15
REPAIRING TO 12 1/4	12:15	2:00	DRILLING	8:15	11:45	TRIP TO CON. HOLE	11:15	11:50
DRILLING	2	3:00	RUN SURVEY PULL OUT & CHANGE BITS	11:45	12:45	DRILLING 12 1/4 HOLE	11:50	12:00
RUN SURVEY	3:00	3:15	DRILLING	12:45	3:30	CERC HOLE	12:00	12:30
DRILLING	3:15	7:15	WORK OUT MUD RING	3:30	4:00	TRIP TO CON. HOLE	12:30	8:15
RUN SURVEY	7:15	7:30				CERC HOLE WAIT FOR	8:15	
DRILLING	7:30	8:00				HALLABARTON		11:00
						PULL OUT RUN CASING	11:00	12:00

Well No. Briggs Trout River #2

Date Feb 5/60

Lsd. Sec. Twp. Rge. W.

Too Pusher

[illegible]

Bit No.			No. Stds.	Length	Bit No.			No. Stds.	Length	Bit No.			No. Stds.	Length	
Serial No.			No. D.C.'s	Length	Serial No.			No. D.C.'s	Length	Serial No.			No. D.C.'s	Length	
Bit Size				Length	Bit Size				Length	Bit Size				Length	
Bit Type				Length	Bit Type				Length	Bit Type				Length	
Dr. from			Kelly in ==		Dr. from			Kelly in ==		Dr. from			Kelly in ==		
Dr. to			TOTAL ==		Dr. to			TOTAL ==		Dr. to			TOTAL ==		
Cored from			D.C.O.D. Top	Hrs. On Bottom	Cored from			D.C.O.D. Top	Hrs. On Bottom	Cored from			D.C.O.D. Top	Hrs. On Bottom	
Cored to			D.C.I.D. Top	Hrs. Off Bottom	Cored to			D.C.I.D. Top	Hrs. Off Bottom	Cored to			D.C.I.D. Top	Hrs. Off Bottom	
Reamed from			Pipe Size	Trip Time	Reamed from			Pipe Size	Trip Time	Reamed from			Pipe Size	Trip Time	
Reamed to			C.S.G. Set at	Serv. Time	Reamed to			C.S.G. Set at	Serv. Time	Reamed to			C.S.G. Set at	Serv. Time	
Total Bit Footage			C.S.G. Size	Rep. Time	Total Bit Footage			C.S.G. Size	Rep. Time	Total Bit Footage			C.S.G. Size	Rep. Time	
Bit Hrs.			Pipe in Hole	Jts.	Diesel Fuel Meter Reading	Bit Hrs.		Pipe in Hole	Jts.	REMARKS:	Bit Hrs.		Pipe in Hole	Jts.	REMARKS:
Table R.P.M.			Pipe on Racks	Jts.	Today	Table R.P.M.		Pipe on Racks	Jts.		Table R.P.M.		Pipe on Racks	Jts.	

Depth	Deviation	Total Pipe on Lease	Jts.	Yesterday		Depth	Deviation	Total Pipe on Lease	Jts.		Depth	Deviation	Total Pipe on Lease	Jts.	
Depth	Deviation			Consumption	Gals.	Depth	Deviation				Depth	Deviation			
Depth	Deviation					Depth	Deviation				Depth	Deviation			
						Depth	Deviation				Depth	Deviation			

Deviation										Deviation										
Depth	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Depth	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	
12								Liner Size	Liner Size	8								Liner Size	Liner Size	
1								Water-Loss	Filter Cake	PH	9							Water-Loss	Filter Cake	PH
2											10									
3											11									
4											12									
5								Mud Added Sacks			1							Mud Added Sacks	35 GEL	
6								Chemicals Added Lbs.			2							Chemicals Added Lbs.		
7											3									

CREW			MATERIALS CHARGED TO OPERATOR			CREW			MATERIALS CHARGED TO OPERATOR			CREW			MATERIALS CHARGED TO OPERATOR		
Driller	H. BARNFORD		Core Bit		Serial	Driller	E. LACASSE		Core Bit		Serial	Driller	V. CLARK		Core Bit		Serial
Derrickman			Reaming Bit		Serial	Derrickman	W. JOHNSON		Reaming Bit		Serial	Derrickman	H. MCDONALD		Reaming Bit		Serial
Cat Headman	F. DWYER		Core Cutters SF. HF.		Core Catchers SF. HF.	Cat Headman	N. BERGSTADT		Core Cutters SF. HF.		Core Catchers SF. HF.	Cat Headman			Core Cutters SF. HF.		Core Catchers SF. HF.
Rotary Helper	R. HOLLAR		Swab Cups		Swab Rubbers	Rotary Helper	M. WILKINS		Swab Cups		Swab Rubbers	Rotary Helper	D. TINDALL		Swab Cups		Swab Rubbers
Rotary Helper						Rotary Helper						Rotary Helper					
Fireman	D. MAREY					Fireman	L. DUNN					Fireman	H. BUCKLE				
Leaseman						Leaseman	J. GILMAN	12 HRS WORK ON MUD LINE				Leaseman					

[illegible]

Lsd. Sec. Twp. Rge. W.

Date FEB. 27/60

Tool Pusher

Drilled From _____ To _____ Hole Made _____	Drilled From _____ To _____ Hole Made _____	Drilled From _____ To _____ Hole Made _____
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Bit No.			No. Stds.	Length	Bit No.			No. Stds.	Length	Bit No.			No. Stds.	Length
Serial No.			No. D.C.'s	Length	Serial No.			No. D.C.'s	Length	Serial No.			No. D.C.'s	Length
Bit Size				Length	Bit Size				Length	Bit Size				Length
Bit Type				Length	Bit Type				Length	Bit Type				Length
Dr. from			Kelly in ==		Dr. from			Kelly in ==		Dr. from			Kelly in ==	
Dr. to			TOTAL ==		Dr. to			TOTAL ==		Dr. to			TOTAL ==	
Cored from			D.C.O.D. Top	Hrs. On Bottom	Cored from			D.C.O.D. Top	Hrs. On Bottom	Cored from			D.C.O.D. Top	Hrs. On Bottom
Cored to			D.C.I.D. Top	Hrs. Off Bottom	Cored to			D.C.I.D. Top	Hrs. Off Bottom	Cored to			D.C.I.D. Top	Hrs. Off Bottom
Reamed from			Pipe Size	Trip Time	Reamed from			Pipe Size	Trip Time	Reamed from			Pipe Size	Trip Time
Reamed to			C.S.G. Set at	Serv. Time	Reamed to			C.S.G. Set at	Serv. Time	Reamed to			C.S.G. Set at	Serv. Time
Total Bit Footage			C.S.G. Size	Rep. Time	Total Bit Footage			C.S.G. Size	Rep. Time	Total Bit Footage			C.S.G. Size	Rep. Time
Bit Hrs.			Pipe in Hole	Jts.	Diesel Fuel Meter Reading	Bit Hrs.		Pipe in Hole	Jts.	REMARKS:	Bit Hrs.		Pipe in Hole	Jts.
Table R.P.M.			Pipe on Racks	Jts.	Today	Table R.P.M.		Pipe on Racks	Jts.		Table R.P.M.		Pipe on Racks	Jts.

Depth		Deviation		Total Pipe on Lease		Jts.		Yesterday		Depth		Deviation		Total Pipe on Lease		Jts.		Depth		Deviation		Total Pipe on Lease		Jts.	
Depth	Deviation							Consumption	Gals.	Depth	Deviation							Depth	Deviation						
Depth	Deviation									Depth	Deviation							Depth	Deviation						
Depth	Deviation									Depth	Deviation							Depth	Deviation						

Deviation							Deviation							Deviation							Deviation							
Depth	Wt.	Via.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Via.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Via.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size		
12							Liner Size	Liner Size	8							Liner Size	Liner Size	4								Liner Size	Liner Size	
1							Water-Loss	Filter Cake	PH	9						Water-Loss	Filter Cake	PH	5							Water-Loss	Filter Cake	PH
2										10									6									
3										11									7									
4										12									8									
5							Mud Added Sacks			1						Mud Added Sacks			9							Mud Added Sacks		
6							Chemicals Added Lbs.			2						Chemicals Added Lbs.			10							Chemicals Added Lbs.		
7										3									11									

CREW		MATERIALS CHARGED TO OPERATOR		CREW		MATERIALS CHARGED TO OPERATOR		CREW		MATERIALS CHARGED TO OPERATOR	
Driller	H. B. FORD 9 HRS	Bit	Serial	Driller	F. LACASSE 9 HRS	Core Bit	Serial	Driller	D. CLARK 9 HRS	Bit	Serial
Derrickman	A. M. BURNETT 9 HRS	Reaming Bit	Serial	Derrickman	G. JOHNSON 9 HRS	Reaming Bit	Serial	Derrickman	H. H. CULLEN 9 HRS	Reaming Bit	Serial
Cat Headman	F. DWYER 9 HRS	Cat Catchers SF. HF.	Core Catchers SF. HF.	Cat Headman	N. BEARSTRICKER 9 HRS	Cat Catchers SF. HF.	Core Catchers SF. HF.	Cat Headman	D. TINDALL 9 HRS	Cat Catchers SF. HF.	Core Catchers SF. HF.
Rotary Helper	O. H. CULLEN 9 HRS	Cups	Swab Rubbers	Rotary Helper	R. WILKINS 9 HRS	Cups	Swab Rubbers	Rotary Helper	D. TINDALL 9 HRS	Cups	Swab Rubbers
Rotary Helper				Rotary Helper				Rotary Helper			
Fireman	D. MACKEY 9 HRS			Fireman	L. DUFFY 10 HRS			Fireman	H. BOBBIE 16 HRS		
				Leaseman	J. G. FERRARANT 9 HRS			Leaseman			

[illegible]

Company Representative

Date FEB 3rd 1960

Lsd. Sec. Twp. Rge. W.

Tool Pusher

<u>Drilled From</u>	<u>To</u>	<u>Hole Made</u>	<u>Drilled From</u>	<u>To</u>	<u>Hole Made</u>	<u>Drilled From</u>	<u>To</u>	<u>Hole Made</u>
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Depth	Deviation	Total Pipe on Lease	Jts.	Yesterday	Depth	Deviation	Total Pipe on Lease	Jts.		Depth	Deviation	Total Pipe on Lease	Jts.	
Depth	Deviation			Consumption	Gals.	Depth	Deviation			Depth	Deviation			
Depth	Deviation					Depth	Deviation			Depth	Deviation			
Depth	Deviation					Depth	Deviation			Depth	Deviation			

CREW		MATERIALS CHARGED TO OPERATOR		CREW		MATERIALS CHARGED TO OPERATOR		CREW		MATERIALS CHARGED TO OPERATOR	
Driller	H. B. AMFOLD	16 hrs	Serial	Driller	F. LACASSE	16 HRS	Serial	Driller	W. CLARK	10 HRS	Serial
Derrickman	A. V. M. BARNETT	16 hrs	Serial	Derrickman	W. JOHNSON	16 HRS	Serial	Derrickman	H. H. CLARK	10 HRS	Serial
Headman	E. DUPERRON	16 hrs	Core Cutters SF. HF.	Cat Headman	W. BEASTMAIER	10 HRS	Core Cutters SF. HF.	Cat Headman			Core Cutters SF. HF.
Rotary Helper	C. HEWLEK	16 hrs	Swab Rubbers	Rotary Helper	R. WILKINS	10 HRS	Swab Rubbers	Rotary Helper	D. TINDALL	10 HRS	Swab Rubbers
Rotary Helper				Rotary Helper				Rotary Helper			
Fireman	D. MACEY	13 hrs		Fireman	E. DUPERRON	13 HRS		Fireman	H. BURGIE	10 HRS	
Leaseman				Leaseman	L. E. H. COINT	15 HRS		Leaseman			

[illegible]

Company Representative

GUTHRIE McLAREN DRILLING LTD.

Well No. B-1995 Trail River # 2

Lsd. Sec. Twp. Rge. W.

Tool Pusher

Date FEB 9nd/60

Drilled From To Hole Made

Drilled From To Hole Made

Drilled From To Hole Made

Bit No.			No. Stds.	Length	Bit No.			No. Stds.	Length	Bit No.			No. Stds.	Length	
Serial No.			No. D.C.'s	Length	Serial No.			No. D.C.'s	Length	Serial No.			No. D.C.'s	Length	
Bit Size				Length	Bit Size				Length	Bit Size				Length	
Bit Type				Length	Bit Type				Length	Bit Type				Length	
Dr. from			Kelly in ==		Dr. from			Kelly in ==		Dr. from			Kelly in ==		
Dr. to			TOTAL ==		Dr. to			TOTAL ==		Dr. to			TOTAL ==		
Cored from			D.C.O.D. Top	Hrs. On Bottom	Cored from			D.C.O.D. Top	Hrs. On Bottom	Cored from			D.C.O.D. Top	Hrs. On Bottom	
Cored to			D.C.I.D. Top	Hrs. Off Bottom	Cored to			D.C.I.D. Top	Hrs. Off Bottom	Cored to			D.C.I.D. Top	Hrs. Off Bottom	
Reamed from			Pipe Size	Trip Time	Reamed from			Pipe Size	Trip Time	Reamed from			Pipe Size	Trip Time	
Reamed to			C.S.G. Set at	Serv. Time	Reamed to			C.S.G. Set at	Serv. Time	Reamed to			C.S.G. Set at	Serv. Time	
Total Bit Footage			C.S.G. Size	Rep. Time	Total Bit Footage			C.S.G. Size	Rep. Time	Total Bit Footage			C.S.G. Size	Rep. Time	
Bit Hrs.			Pipe in Hole	Jts.	Diesel Fuel Meter Reading	Bit Hrs.		Pipe in Hole	Jts.	REMARKS:	Bit Hrs.		Pipe in Hole	Jts.	REMARKS:
Table R.P.M.			Pipe on Racks	Jts.	Today	Table R.P.M.		Pipe on Racks	Jts.		Table R.P.M.		Pipe on Racks	Jts.	

Depth	Deviation	Total Pipe on Lease	Jts.	Yesterday	Depth	Deviation	Total Pipe on Lease	Jts.	Depth	Deviation	Total Pipe on Lease	Jts.
Depth	Deviation			Consumption	Gals.	Depth	Deviation		Depth	Deviation		
Depth	Deviation					Depth	Deviation		Depth	Deviation		
Depth	Deviation					Depth	Deviation		Depth	Deviation		
Depth	Deviation					Depth	Deviation		Depth	Deviation		

Depth	Deviation													No. 1													No. 2													
Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size			No. 2 Pump Size			Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size			No. 2 Pump Size			Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size			No. 2 Pump Size				
12							Liner Size			Liner Size			8								Liner Size			Liner Size			4								Liner Size			Liner Size		
1							Water-Loss		Filter-Cake		PH		9								Water-Loss		Filter-Cake		PH		5								Water-Loss		Filter-Cake		PH	
2													10														6													
3													11														7													
4													12														8													
5							Mud Added Sacks						1								Mud Added Sacks						9								Mud Added Sacks					
6							Chemicals Added Lbs.						2								Chemicals Added Lbs.						10								Chemicals Added Lbs.					
7													3														11													

CREW		MATERIALS CHARGED TO OPERATOR		CREW		MATERIALS CHARGED TO OPERATOR		CREW		MATERIALS CHARGED TO OPERATOR	
Driller	H DUMFORD 16 HRS	Serial		Driller	F LACASSE 16 HRS	Core Bit		Driller	D CLARK 16 HRS	Core Bit	
Derrickman	A LYNDEN 16 HRS	Serial		Derrickman	W JOHNSON 9 HRS	Core Bit		Derrickman	H HUCKLAR 9 HRS	Core Bit	
Cat Headman	F DUMFORD 16 HRS	Core Catchers SF, HF		Cat Headman	N BERTSTRAND 12 HRS	Core Catchers SF, HF		Cat Headman	H HUCKLAR 9 HRS	Core Catchers SF, HF	
Rotary Helper	E HUCKLAR 16 HRS	Swab Rubbers		Rotary Helper	R WILKINS 12 HRS	Swab Rubbers		Rotary Helper	D TINDAL 12 HRS	Swab Rubbers	
Rotary Helper				Rotary Helper				Rotary Helper			
Fireman	D. MACK 16 HRS			Fireman	L O'DEERAN 16 HRS			Fireman	H BUCKY 16 HRS		
Leaseman				Leaseman	J GERBANDT 16 HRS			Leaseman			

[illegible]