PLACID WOOD W. TATHLINA

K-48

Drilling Authority No. 308
Date Issued 27-2-68

WELL NAME Placid Wood W. Tatalina K-48
FIELD Area:
LOCATION: Unit K Section 48 Grid 60-40-117-45
Latitude 60-37-36 Longitude 117-53-40
From Established Reference Marker

UWLR 60.62667 N Lat 117.89444 W. Long
UWI 300K486040117450

Rig Release Date: 10/3/68
Status P-A
Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
27-2-68	Application for a Drilling Authority.
April 26/68	Well Completion Data.
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
14-3-68	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No.
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells — Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells — Vitter's Method.
	M.P.R. — Oil — Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs. Large scale Small scale

NANR 52-90 (7-65)

Drilling Authority No. 308
Date Issued February 27, 1968

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

WELL COMPLETION DATA

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

Well name and number: Placid Wood W.Tathlina K-48

Permit No. 1526 Lease No. -

Kennell A. Wood, Nominee (Permittee, Licensee, Lessee) Exploratory Licence No. 1100

Placid Oil Company (Operator) Exploratory Licence No. 1157

Location: Unit K Section 48 Grid 60°40', 117°45'

Latitude 60° 37' 36" Longitude 117° 53' 40"

From Established Reference Marker - Shot Point #97, Line 9.

Universal Well Location Reference 60.62667°N. Lat., 117.89444°W. Long.

	DATE	DEPTH
Spudded	2/27/68	
Suspended		
Resumed Operations		
Finished Drilling	3/8/68	3311
Deepened		
Complete (gas/oil)		
Abandoned	3/10/68	3311
Rig released	3/10/68	3311

Pool(s) -

Interval(s) open to production -

Elevation: Gr. 951 K.B. 963

Rig No. 4

Drilling Contractor Guthrie McLaren

Contractor's Business Licence No. 18295

CASING RECORD

	Casing Size (inches)	Grade	Weight	Amount	Set at -	Sacks of Cement and Additives
1.	8-5/8	J-55	24#	152'	145'	125 sks + 4% CaCl
2.						
3.						
4.						
5.						
6.						

GEOLOGICAL TOPS	ELEVATION	
	Depths	Sub-Sea
Hay River Shale	1714	- 751
Slave Point	2767	-1804
Middle Devonian Dolomite	3032	-2069
Granite Wash	3237	-2274
Pre-Cambrian	3282	-2319

CORE RECORD

From	To	Rec.	From	To	Rec.
3033	3093	60			

LOG RECORD

Run No.	Type of Log	From	To
1	BHC-Sonic-GR-Caliper	3308	146
1	Dual Induction LL	3307	147

IAND 52-90(2) (3-67)

CEMENTING RECORD (Plug, Squeeze, etc.)

Date	From	To	Remarks
3/11/68	2750	3311	200 sks cement
3/11/68	95	195	60 sks cement + 4% CaCl2. Felt at 90'
3/11/68	Surface		5 sacks cement

PERFORATING RECORD (Bullet, Jet)

Date	From	To	Remarks

SERVICING RECORD (Acidizing, Fracing, etc.)

Date	From	To	Remarks

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.B.H.P.	F.S.I.B.H.P.	I.F.B.H.P.	F.F.B.H.P.	I.H.P.	F.H.P.	REMARKS
1	3/9/68	Middle Devonian	3030	3311	60	30	30	1322	1322	1299	1322	1505	1490	Rec. 120' drilling fluid 2630' black sulphurous salt water
2	3/10/68	Slave Point	2750	2920	30	30	30	725	213	86	116	1380	1346	Rec. 210' drilling mud (badly contaminated with sulphur and salt water and heavily congealed)

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks
C68-3454-2	Water	3030	3311	DST #1	1350' above tool
C68-3454-3	Water	3030	3311	DST #1	Top of tool
C68-3454-4	Water	2750	292	DST #2	Top of tool

PRESENT STATUS OF WELL

		(Interval.)
Oil		
Gas		(Interval.)
Dry	X	
Susp.		

Company: Placid Oil Company

Signed by: [signature]

Title: Production Superintendent

Date: April 26, 1968

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

File No.
Drilling Authority No. 308

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

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

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

Name and number of well: Placid Wood W.Tathlina K-48

Location: Unit K Section 48 Grid 60°40', 117°43'

Latitude 60° 37' 36" Longitude 117° 53' 40"

From Established Reference Marker

Universal Well Location Reference 60.62667°N. Lat., 117.89444°W. Long.

Permit No. 1526 Lease No.

Kerr-McGee Oil Industries Inc., Kerr-McGee Corp., Kerr-McGee Corp., Kerr-McGee Corp

File No.

Drilling Authority No. 308

INDIAN AND NORTHERN DEVELOPMENT

DEPARTMENT OF [redacted] AFFAIRS AND [redacted]

RESOURCE MANAGEMENT DIVISION

Application for a Drilling Authority

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

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

Name and number of well: Placid Wood W.Bathlina K-48

Location: Unit: K Section: 48 Grid: 60°40', 117°45'

Latitude: 60° 17' 36" Longitude: 117° 53' 40"

From Established Reference Marker:

Elevation: Ground: 805 K.B.: 817 feet above sea-level.

Well is expected to produce from: Granite Wash formation at a depth of about: 3400 feet.

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

Permit No.: 1526 Lease No.: Acreage: 31,445

Permittee, licensee, or lessee: Kerr all A. Wood, Montreal

Exploratory Licence No.: [redacted] 1100

Surface owned by Crown or: Crown

Petroleum and natural-gas rights owned by: (If allocated, indicate name and address of current and assignee.) Kerrell A. Wood, Montreal

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

Casing Size O.D. (inches)	Weight (Lb./Ft.)	Grade	Brand	New or Used	Estimated Depth	Sacks of Cement
1. 8-5/8	24	J-55	Mann	New	150	150
2. 5-1/2	14	J-55	Mann	New	3400	250
3.						
4.						
5.						

Expected water, gas, and oil horizons and type of control equipment: Devonian and Granite Wash to be controlled with blowout preventors and drilling mud.

Well will be drilled with (Rotary) Rig No. 4 by: Guthrie McLaren Drilling Ltd. (Drilling Contractor or company) (Cable)

Responsible agent of applicant:— Contractor's Business Licence No. 18295

At well: Jack Rosichuk At registered office: T. J. Harp

Address: At Rig Address: 860 Guinness House, Calgary

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

Dated at: Calgary this: 26th day of: February, 19 68.

Signed by: [signature] Company: Placid Oil Company

Title: Superintendent Operator's Licence No.: 1157

(For Resource Management Division use only)

APPROVED

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

The Company will submit to this office, on Tuesday of each week, the latest reports received by radio on the progress of the well.

Dated: 27th February 1968

Oil Conservation Engineer

Forms to be submitted to Oil Conservation Engineer, Calgary, Alberta.

NANR 52-90-1 (7-65)

UNIVERSAL WELL LOCATION REFERENCE: 60.62667° N. Lat. 117.89444° W. Long.

UNIQUE WELL IDENTIFIER: 300N86040117450

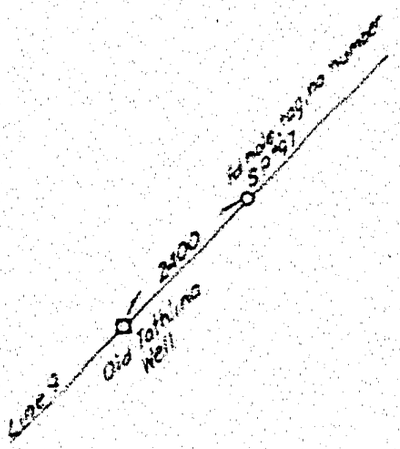
PRELIMINARY PLAN

PLACID WOOD W TATHLINA K-48

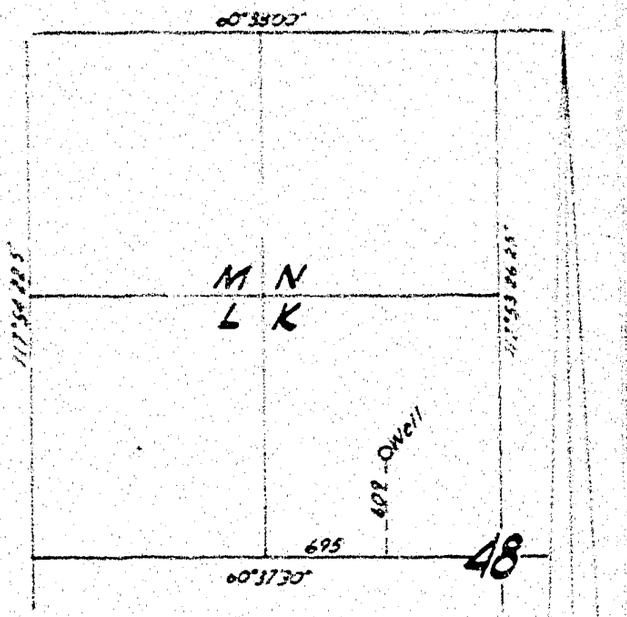
Unit K Section 48 Grid Area 60°40'; 117°45'

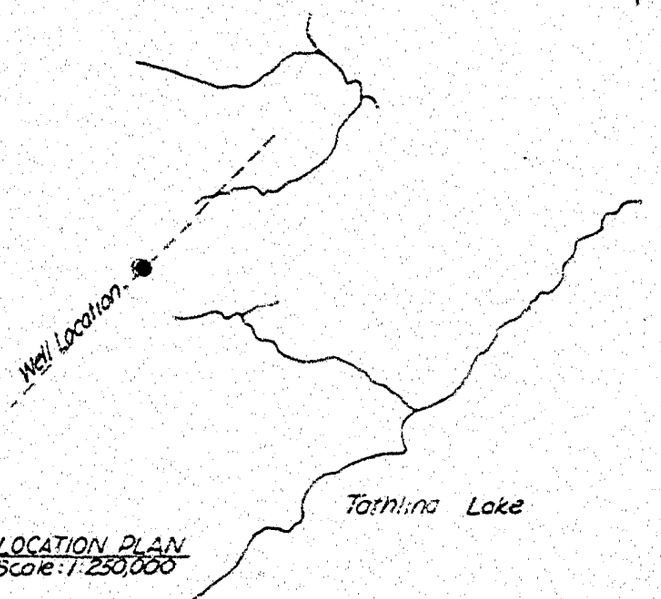
Latitude 60°37'36" Longitude 117°53'40"

NORTH WEST TERRITORIES



DETAIL
N.T.S.





LOCATION PLAN
Scale: 1:250,000

I certify that this plan is correct to the best of my knowledge and was completed on the 23rd day of February, 1968.

Dominion and Alberta Land Surveyor

Witness

MIDWEST SURVEYS CO. LTD.

ELEVATION: Ground

CO-ORDS: Well is located. 609'N. 695'E. of S.W. Cor. Unit K Sec. 48

Scale: 1000' = 1"
Triangulation Station: △
Well Location: ◎
Survey Monuments found shown thus: •
" " planted " " : ○
Portions referred to outlined:
Distances are in feet and decimals:

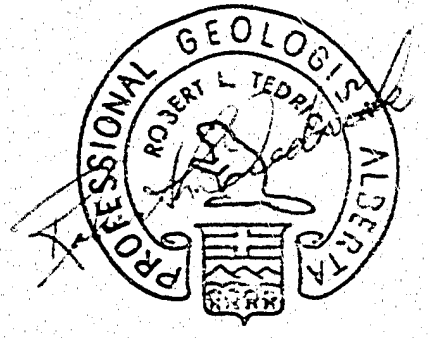
PLACID OIL COMPANY

C103-68

PLACID WOOD W. TATHLINA K-46

GEOLOGICAL & EVALUATION
MAY 24 1968
OTTAWA, CANADA
Dept. of Indian Affairs & Northern Development

PLACID WOOD W. TATHLINA K-48
K-48 60°40'N. 117°45'W.



April 5, 1968

Robert L. Tedrick Petroleums Ltd.,
1520-110th Avenue S.W.,
Calgary, Alberta.

R.L. Tedrick P. Geol.

CONTENTS

	Page
Section I - Summary of Well Data	1
Section II - Geological Summary	2
(a) Formation Tops	2
(b) Cored Intervals	2
(c) Core Description	2
(d) Sample Description	4
Section III - Engineering Summary	8
(a) Drill Stem Tests	8
(b) Casing Record	8
(c) Bit Record	8
(d) Mud Additives	9
(e) Deviation Record	9
(f) Abandonment Plugs	9
Section IV - Logs	9
Section V - Analyses	9
Section VI - Completion Summary	9
(a) Cementation Record	9

Section I - Summary of Well Data

(a) Well Name and Number - Placid Wood W. Tathlina K-48

(b) Permittee - W. A. Wood

(c) Operator - Placid Oil Co., 660 Guinness House, Calgary, Alberta.

(d) Location - K-48 60°40'N.: 117°45'W. Lat. 60°37'36" N. Long. 117°53'40" W.

(e) Permit - 1526

(f) Contractor - Guthrie McLaren Drilling Co., Rig No. 4, National T-12

(g) Drilling Authority - 308

(h) Classification - New field wildcat

(i) Elevations - Ground 951, Kelly Bushing 963

(j) Spudded - 2:30 a.m., February 27, 1968.

(k) Completed Drilling - 11:10 p.m., March 7, 1968.

(l) Total Depth - 3311

(m) Status - Drilled and abandoned

(n) Rig Released - 12:00 p.m., March 10, 1968

(o) Hole Size - 0' - 145' : 12 1/4"
145' - 3311' : 7 7/8"

(p) Casing - 152 feet of 8 5/8", 24 pound, J-55, STC casing @ 145' with 125 sacks cement + 4% $CaCl_2$

(q) Universal Well Location Reference -

Lat. 60.62667° N.
Long. 117.89444° W.

(r) Unique Well Identifier - 300K486040117450

Section II - Geological Summary

(a) Formation Tops

	Sample Top	E-log Top	Subsea
Devonian			
Trout River	Surface		+ 963
Hay River Shale	1730	1774	- 751
Slave Point	2770	2767	-1804
Middle Devonian Dolomite	3030	3032	-2069
Granite Wash	3240	3237	-2274
Precambrian	3260	3282	-2319

(b) Cored Intervals

Core No. 1 - Middle Devonian Dolomite - Cut 60 feet
Recovered 60 feet

(c) Core Description

Core No. 1 3033-3093 Cut 60' Recovered 60' Middle Devonian Dolomite

3033-3038 (5.0') Dolomite, mottled light gray and white, very fine crystalline, 30% algal material, 5-10% vug porosity with some drusy white dolomite crystals, up to 10% irregular argillaceous partings and "beds". No staining.

3038-3043 (5.0') Dolomite, light brown, very fine to fine crystalline, trace of poor vug porosity and poor intercrystalline porosity, no staining.

3043-3046.7 (3.7') Breccia, light gray, 2"-4" blocks of limestone with dolomitic lime cement in upper 1.7' and 2"-4" blocks of dolomite with dolomite cement in lower 2.0'. Rare white dolomite infill and fracture fill with numerous stylolite seams.

3046.7-3048 (1.3') Dolomite, light gray, microcrystalline, dense. Shows minor brecciation and scour and fill.

3048-3050.3 (2.3') Dolomite, light gray, microcrystalline blocks with occasional algal? material and white dolomite infill. Two inch band of poor vug porosity with light, scattered bleeding oil.

3050.3-3056.8 (6.5') Dolomite, light gray, microcrystalline, with rare patches of very fine crystalline material, poor patchy oil staining over a two foot interval at 3054.

3056.8-3070.2 (13.4') Limestone, light brown, microcrystalline, dense with rare stylolite seams.

3070.2-3082.7 (12.5) Limestone, dark brown, microcrystalline, dense with rare pockets of calcite crystals. At 3076.5' there is a 3" band of amphipora.

3082.7-3084.7 (2.0') Limestone, light brown, microcrystalline, dense with rare stylolite seams.

3084.7-3086.7 (2.0') Limestone, medium brown, microcrystalline with irregular dolomitized patches showing fair vug porosity and light oil staining.

3086.7-3088.5 (1.8') Limestone, light gray-brown, microcrystalline, with numerous stylolite seams.

3088.5-3093 (4.5') Dolomite, medium brown, microcrystalline, 5-10% vug porosity with drusy dolomite lining, no staining.

Coring Times in Minutes per Foot

3033-3034	13	min.
34- 35	10	"
35- 36	9	"
36- 37	9	"
37- 38	8	"
38- 39	8	"
39- 40	7	"
3040- 41	7	"
41- 42	8	"
42- 43	8	"
43- 44	8	"
44- 45	8	"
45- 46	11	"
46- 47	8	"
47- 48	7	"
48- 49	6	"
49- 50	6	"
3050-51	5	"
51- 52	5	"
52- 53	6	"
53- 54	7	"
54- 55	7	"
55- 56	7	"

56-	57	7 min.
57-	58	8 "
58-	59	7 "
59-	60	8 "
3060-	61	7 "
61-	62	8 "
62-	63	8 "
63-	64	8 "
64-	65	8 "
65-	66	9 "
66-	67	8 "
67-	68	9 "
68-	69	8 "
69-	70	8 "
3070-	71	8 "
71-	72	8 "
72-	73	9 "
73-	74	8 "
74-	75	8 "
75-	76	9 "
76-	77	8 "
77-	78	9 "
78-	79	9 "
79-	80	10 "
3080-	81	9 "
81-	82	9 "
82-	83	10 "
83-	84	9 "
84-	85	9 "
85-	86	10 "
86-	87	7 "
87-	88	7 "
88-	89	6 "
89-	90	6 "
3090-	91	6 "
91-	92	6 "
92-	93	6 "

(d) Sample Descriptions

0-70 Gravel, with Siltstone, light gray, slightly calcareous, with Limestone, light brown, microcrystalline, 5% calcareous rods and Shale, light gray, non-calcareous, micaceous.

70-290 Limestone, light brown, microcrystalline, with rare pods of blue-gray mottling (ostracodes), dense, trace of pyrite. At 150' less than 5% brachiopods and gastropods.

290-340 Limestone, light brown, microcrystalline, up to 10% sparry calcite, 5 to 10% brachiopod, gastropod, ostracode and crinoid fragments, dense with light patchy pyrobitumen, dense.

340-370 Limestone, as above with Siltstone, light gray, slightly calcareous.

370-490 Limestone, light brown, microcrystalline, rare fine grained intraclasts, less than 5% sparry calcite, dense, chalky in part. At 410' with Limestone, light brown, 80% fine intraclasts, 15% micrite, 5% sparry calcite.

490-580 Limestone, as above with Sandstone, very fine to fine grained, subrounded, poor sorting, slightly calcareous, argillaceous, tight. At 530' as above with Siltstone, light gray, slightly calcareous.

580-680 Limestone, light brown, microcrystalline, dense with rare organic fragments, and with Limestone, light brown to white, microcrystalline, dense. At 650' as above with rare crinoid fragments.

680-860 Limestone, light gray-brown, microcrystalline, very slightly argillaceous, dense with scattered Sandstone, light gray, very fine grained, subangular, poor sorting, slightly argillaceous.

860-980 Limestone, light brown, very fine crystalline, rare intraclasts, rare organic fragments with Sandstone, light gray, very fine grained, angular, poor sorting, argillaceous, calcareous cement, tight. At 870' as above with Siltstone, medium gray, argillaceous. Clastic content increases to 75% of sample below 930'.

980-1000 No sample.

1010-1200 Sandstone, Siltstone and Limestone as above.

1200-1210 No sample.

1210-1320 Shale, light gray, micaceous, with Shale, medium brown, micaceous and Siltstone, light gray, very argillaceous, slightly silty.

1320-1730 Limestone, light gray, very fine to fine crystalline, slightly argillaceous, rare fossil shadow with Sandstone, light gray, very fine grained, silty, calcareous, tight. Occasional Shale, light gray, slightly calcareous, fissile.

Devonian Hay River Formation

1730-2140 Shale, dark green, non-calcareous, with Shale, light gray, calcareous, micaceous, Sandstone, light gray, very fine grained, calcareous, tight and Siltstone, medium gray, non-calcareous, micaceous. At 1920' rare lenses? or beds of Limestone, medium gray, microcrystalline, dense.

2140-2410 Shale, dark green, non-calcareous, with Shale, red-brown, non-calcareous with Limestone, medium blue-gray, microcrystalline, dense with Sandstone, light gray, very fine grained, subrounded, poor sorting, slightly argillaceous, micaceous, tight.

2410-2420 No sample.

2420-2430 As above.

2430-2500 Shale, dark green, chloritic, with Shale, light gray, very slightly calcareous.

2500-2540 Shale, as above with Shale, black, non-calcareous and lenses? of Limestone, light brown, microcrystalline, dense.

2540-2755 Shale, black as above with Shale, light gray as above. At 2640' occasional beds? of Limestone, light brown, microcrystalline, with rare floating sand grains, and less than 5% pyrite crystals at 2730'.

2755-2770 Shale, black, non-calcareous, micaceous with Shale, gray-green, slightly calcareous, micaceous with Limestone, light gray, microcrystalline, chalky in part, less than 5% pyrite, rare brachiopods, dense.

Devonian Slave Point Formation

2770-2790 Limestone, medium brown, microcrystalline, dense, less than 5% brachiopods and are pockets of sparry calcite.

2790-2820 Limestone, light to medium brown, 80% fine intraclasts, 15% micrite, 5% organic fragments, less than 5% vug porosity, trace of live oil stain. At 2810' as above with 5-10% vug porosity.

2820-2855 Limestone, light brown, microcrystalline, chalky in part, dense.

2855-2890 Limestone, medium brown, microcrystalline, aphanitic, dense, with rare patch of sparry calcite.

2900-2915 Limestone, light to medium brown, 70% very fine intraclastic, 20% micrite, 10% sparry calcite, dense.

2915-2950 Limestone, light brown, microcrystalline, dense with rare pockets of sparry calcite.

2950-3000 Limestone, white to light brown, microcrystalline, dense, chalky in part.

3000-3010 Dolomite, medium brown, very fine crystalline, sucrosic, trace of intercrystalline porosity.

3010-3030 Limestone, light brown, microcrystalline, aphanitic, with Dolomite, light gray, microcrystalline, dense.

Middle Devonian Dolomite

3030-3033 Dolomite, medium brown, sucrosic, poor intercrystalline porosity with Limestone, light brown, very fine crystalline, sucrosic, poor intercrystalline porosity.

3033-3093 Core No. 1 - 3033-3056.8 Dolomite, poor intermittent porosity with rare staining.

3056.8-3093 Limestone and Dolomite, poor intermittent porosity with rare staining.

3093-3110 Dolomite, medium brown, very fine crystalline, less than 5% vug porosity, no stain.

3110-3160 Dolomite, light brown, very fine crystalline with 5-10% coarse white dolomite crystals (vug lining?), less than 5% pin-point vug porosity. At 3130' as above with 5-10% vug porosity.

3160-3220 Dolomite, light brown, very fine crystalline, dense with Dolomite, light gray-brown, microcrystalline, dense. At 3200' trace of sphalerite.

3220-3240 Dolomite, dark brown, micro to very fine crystalline, dense.

"Granite Wash"

3240-3260 Quartzite, fragments with less than 5% dolomite cement and 10 to 15% weathered feldspar, up to 5% pyrite.

Precambrian

3260-3311 Granite, quartz, pink feldspar, biotite and trace of hornblende.

(e) Deviation Record

Feet	Degrees
145	1
1220	1½
2114	1 3/8
2741	3
2932	3 1/8
3311	8

(f) Abandonment Plugs

Plug No. 1 3311-2750 with 200 sacks Portland Normal cement. Plug down at 11:50 a.m., March 10, 1968.

Plug No. 2 195- 95 with 60 sacks Portland Normal cement. Plug down at 3:45 p.m., March 10, 1968. Set at 90'.

Plug No. 3 Surface with 5 sacks Portland Normal cement.

Section IV - Logs

March 8, 1968 Dual Induction Laterolog
2" and 5" scales 3307'-147'
BHC - Sonic-Gamma Ray-Caliper
2" and 5" scales 3308'- 146'

Section V - Analyses

Following pages.

Section VI - Completion Summary

(a) Cementation Record

Plug No. 1 3311-2750 (Precambrian to Slave Point)
Plug No. 2 195- 95 (Trout River) Set at 90'
Plug No. 3 Surface Plug.

* (g) Lost Circulation: A negligible amount of fluid was lost to the Trout River Formation from 710' to 1012'. Mixed a batch of mud and sawdust which stopped lost circulation.

Section III - Engineering Summary

Field Readings of drill stem test figures are given.

(a) Drill Stem Tests

Drillstem Test No. 1 3030-3311 Middle Devonian
Bottom hole test with dual uphole packers.
Preflow 3 min. Strong air blow.
Initial Shut In - 30 min. Valve Open - 60 min.
Final Shut In - 30 min.
Recovered 120' of drilling fluid and 2630' of black, sulphurous, salt water.
I.H.P. - 1580 I.S.I. - 1321 I.F.P. - 1193
F.H.P. - 1437 F.S.I. - 1321 F.F.P. - 1321

Drillstem Test No. 2 2750-2920 Slave Point
Dual packer straddle by-pass test.
Preflow 5 min. Strong air blow decreasing steadily.
Initial Shut In - 30 min. Valve Open - 45 min.
Final Shut In - 30 min.
Recovered 210' of black, sulphurous, water-cut mud.
I.H.P. - 1380 I.S.I. - 739 I.F.P. - 83
F.H.P. - 1380 F.S.I. - 211 F.F.P. - 166

(b) Casing Record

Ran 5 joints - 152' of 8 5/8", 24#, J-55, STC casing. Landed at 145' and cemented with 125 sacks of Portland Normal cement plus 4% $CaCl_2$. Plug down at 3:00 p.m., February 28, 1968 with 925 p.s.i. Three barrels of returns at surface.

(c) Bit Record

Bit No.	Size	Make	Footage	Hours
1A	8¾	MHC	145	15
1B	12¼	53	145	15
1	7 7/8	ST1AG-J	1075	34½
2	7 7/8	ST1AG-J	894	24
3	7 7/8	ST3-J	627	20
4	7 7/8	SS1C-J	191	20½
5	7 7/8	H4NC-J	101	7½
C1	7 13/16	Diamond	60	8¾
6	7 7/8	X55R	218	21¾

(d) Mud Additives

Gel	-	26,700 lbs.
Caustic	-	300 lbs.
CMC	-	50 lbs.
Bicarbonate	-	200 lbs.
Sawdust	-	32 sacks

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

14240 - 118 AVENUE, EDMONTON, ALBERTA

Date Reported: March 28, 1968 Laboratory Report Number: C6R-3454-2

PLACID OIL COMPANY

KIND OF SAMPLE: Water

Date Received: March 1968

Interval: 3030' - 3311'

Method of Production: D.S.T. #1

Date Sampled: March 9, 1968

Sampled by: Lynes United Service Ltd.

Recovery: 120' drilling fluid, 2630' black sulphurous salt water.

Sample No. 1

Well: Tathlina K-48

Location: 60° 40' 117° 45'

Field: Placid Wood W.

Formation: Presquile

Sampled from: 1350' above tool

RESISTIVITY: 0.083 Ohm-Meters at 68°F.

CHLORIDE CONTENT: 49,420 Mg./l.

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS Lab No. C68-3454-3

Received: March 1968 Reported: March 28, 1968 Well: Location: W. Tathlina K-48 60° 40' 117° 45'

Operator: Placid Oil Company Field or Area: Placid Wood

Elev.: K.B. Grd. Zone/Formation: Presquile Sample Interval: 3030' - 3311'

Method of Production: D.S.T. #1 Sampled from: Top of tool Sampled by: Lynes United Services Ltd. Date. March 9, 1968

OTHER PERTINENT DATA Sample No. 2. Recovered: 120' drilling fluid, 2630' black sulphurous salt water.

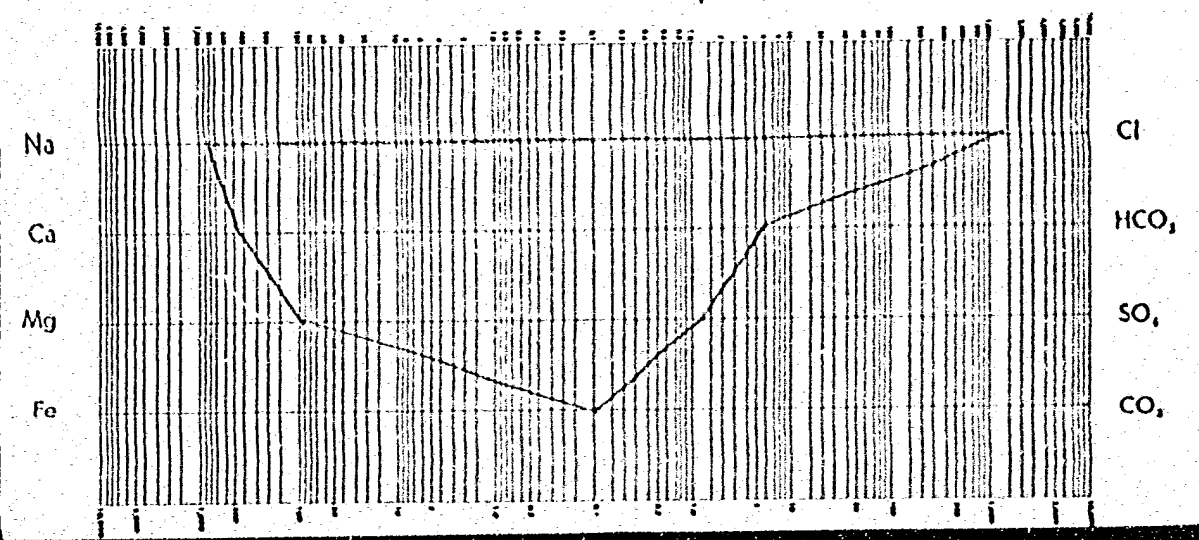
(Signed)

	Na	K	Ca	Mg					SO_4	Cl			CO_3	HCO_3		
Mg./L	20193		8931	1164					62	50100				350		
Meq./L	878.4		445.7	95.7					1.3	1412.8				5.7		
Meq. %	30.93		15.70	3.37					0.05	49.75				0.20		

Total Solids Mg/L: By Evaporation 81,540 Fe Present Specific Gravity 1.061 @60°F Observed pH 7.00 @ 70 °F

Calculated 80,800 After Ignition 72,548 H_2S Nil Refractive Index @25°C Resistivity 0.082 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions Sample as received was a black sulphurous water.

Filtered sample was clear with a light yellow discolouration.

CHEMICAL & GEOLOGICAL LABORATORIES LTD. WATER ANALYSIS Lab No. C68-3454-4

Received: March, 1968 Reported: March 28, 1968 Well: Location: W. Tathlina K-48 60° 40' 117° 45'

Operator: Placid Oil Company Field or Area: Placid Wood

Elev.: K.B. Grd. Zone/Formation: Slave Point Sample Interval: 2750' - 2920'

Method of Production: D.S.T. #2 Sampled from: Top of tool Sampled by: Lynes United Services Ltd. Date: March 9, 1968

OTHER PERTINENT DATA Sample No. 1. Recovered: 210' black sulphurous salt water and mud.

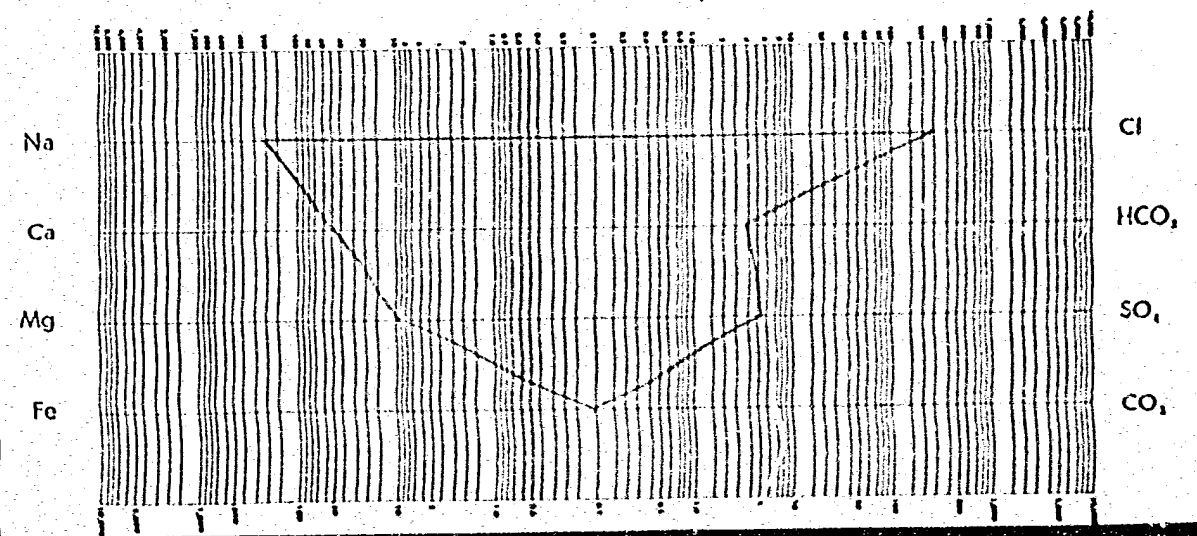
(Signed)

	Na	K	Ca	Mg					SO_4	Cl			CO_3	HCO_3		
Mg./L	5166		973	114					254	9700				240		
Meq./L	224.7		48.6	9.4					5.3	273.5				3.9		
Meq. %	39.74		8.60	1.66					0.94	48.37				0.69		

Total Solids Mg/L: By Evaporation 19,080 Fe Nil Specific Gravity 1.021 @60°F Observed pH 8.21 @ 70 °F

Calculated 16,447 After Ignition 15,948 H_2S Nil Refractive Index @25°C Resistivity 0.324 ohm meters @ 68 °F

Pattern Unit Meq./L



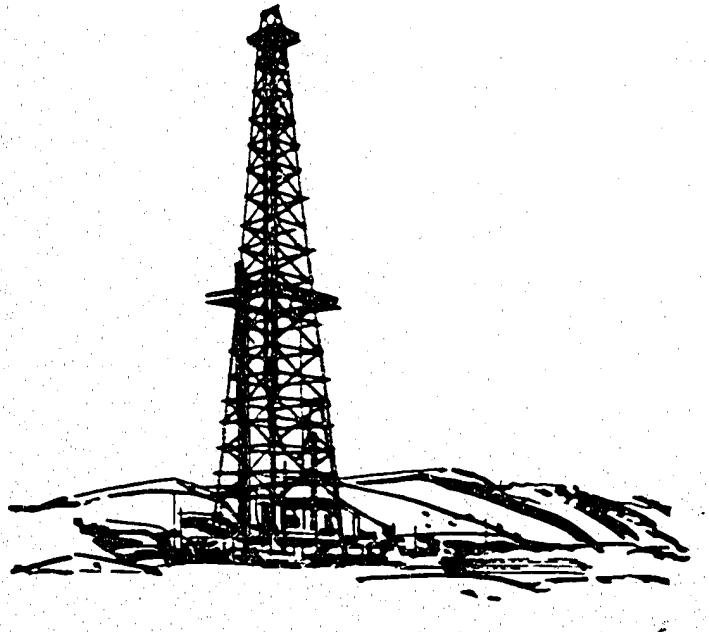
Remarks and Conclusions Sample as received was a black muddy water.

Filtered sample (filter press) was colourless and clear.

LYNES

BRIGHT NAME IN THE OIL PATCH

Inflatable Sealing Element Packers

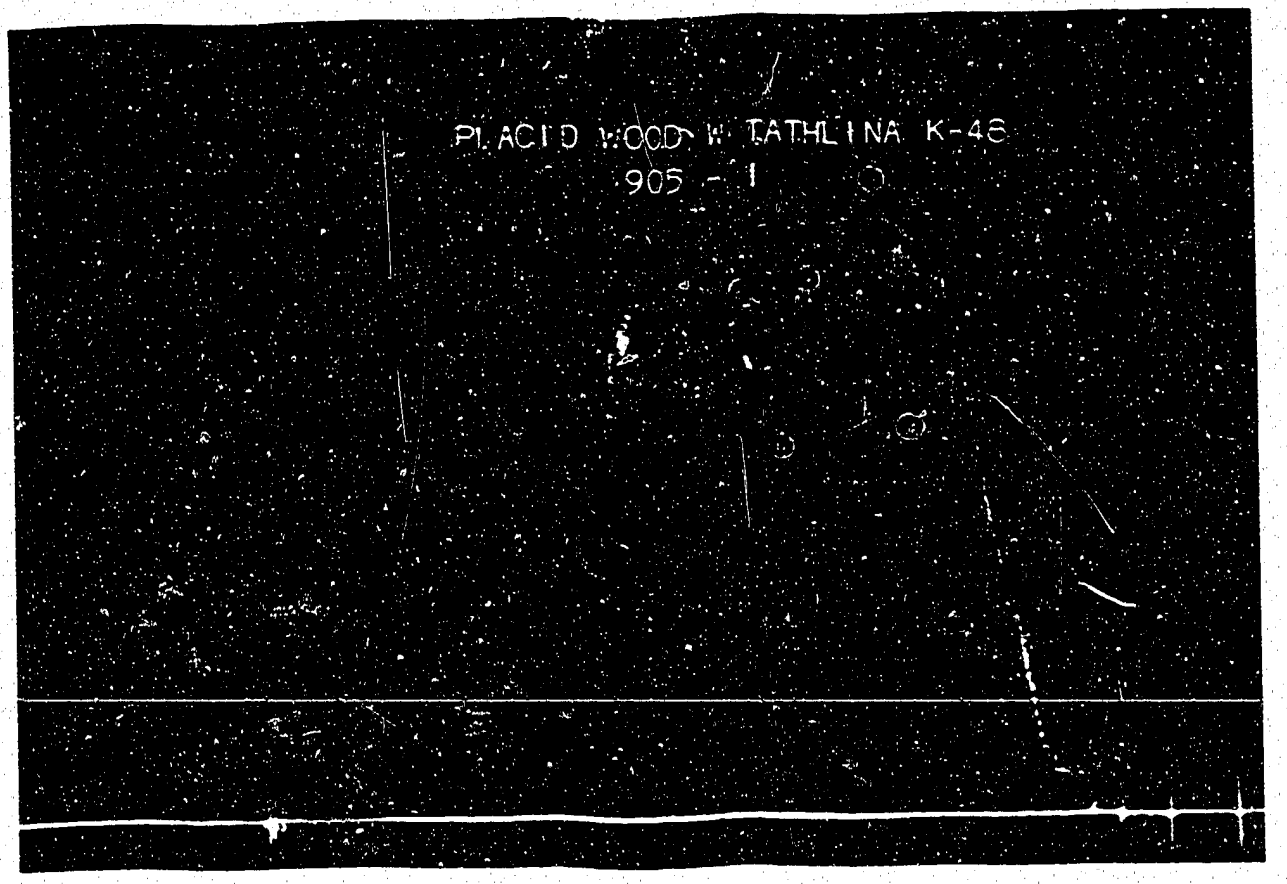


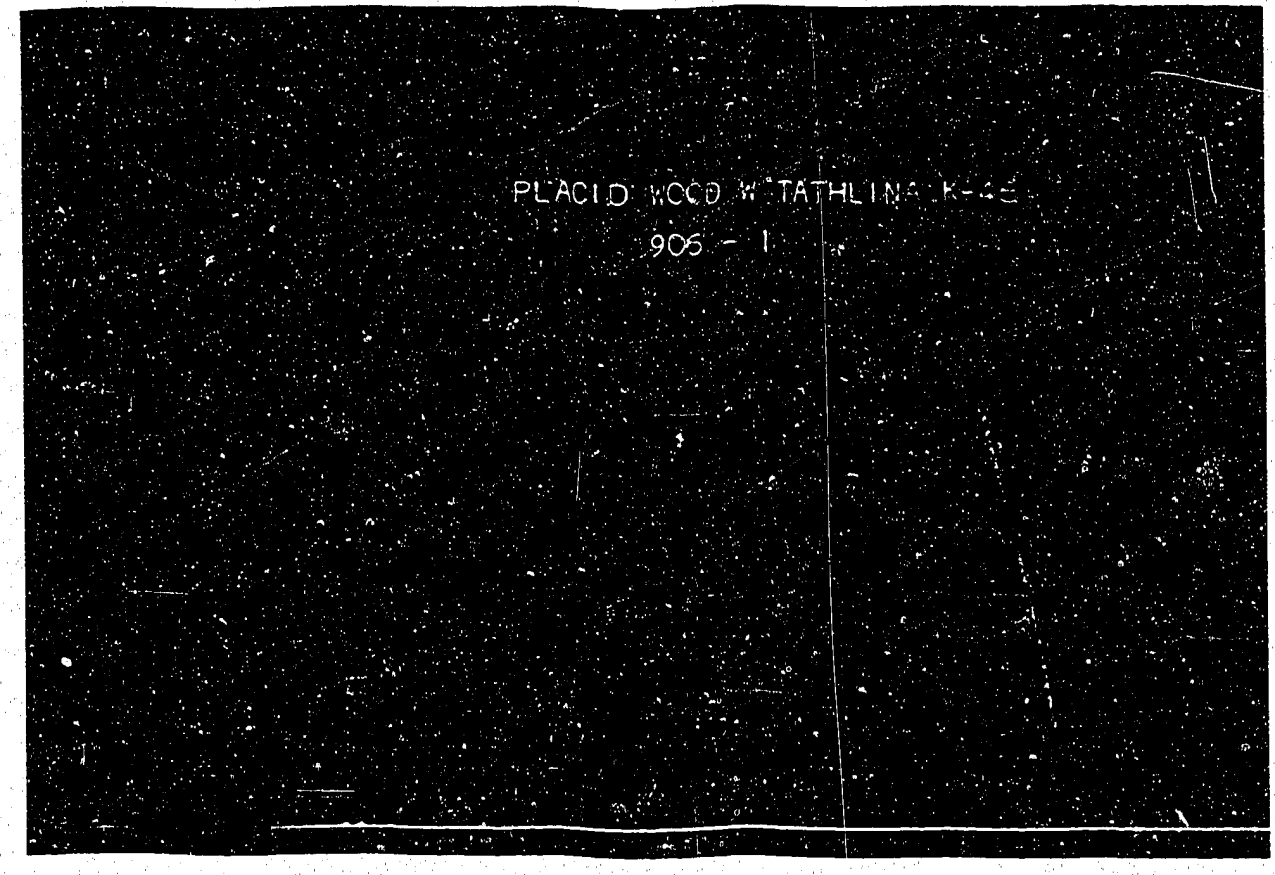
Formation Testing
Service Report

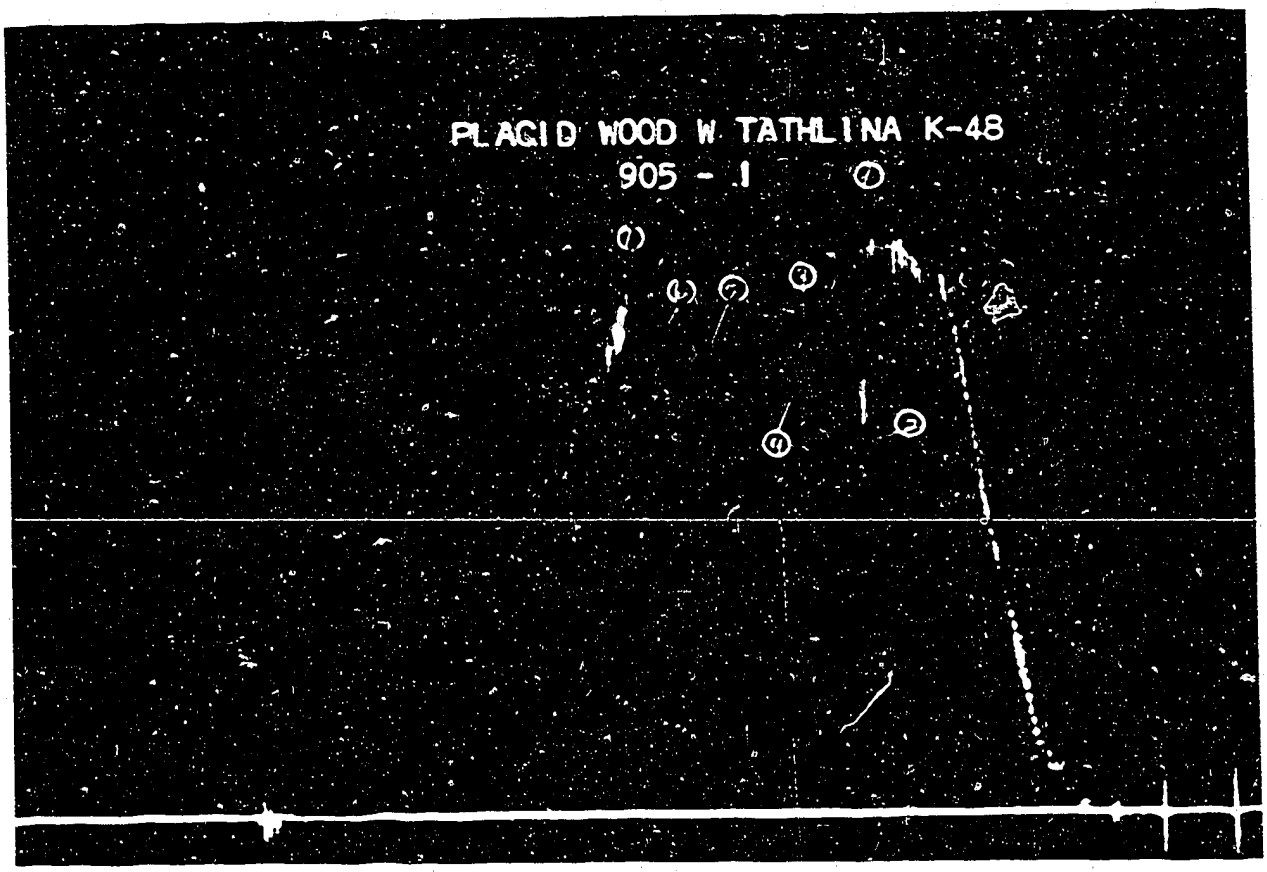
Placid Oil Company

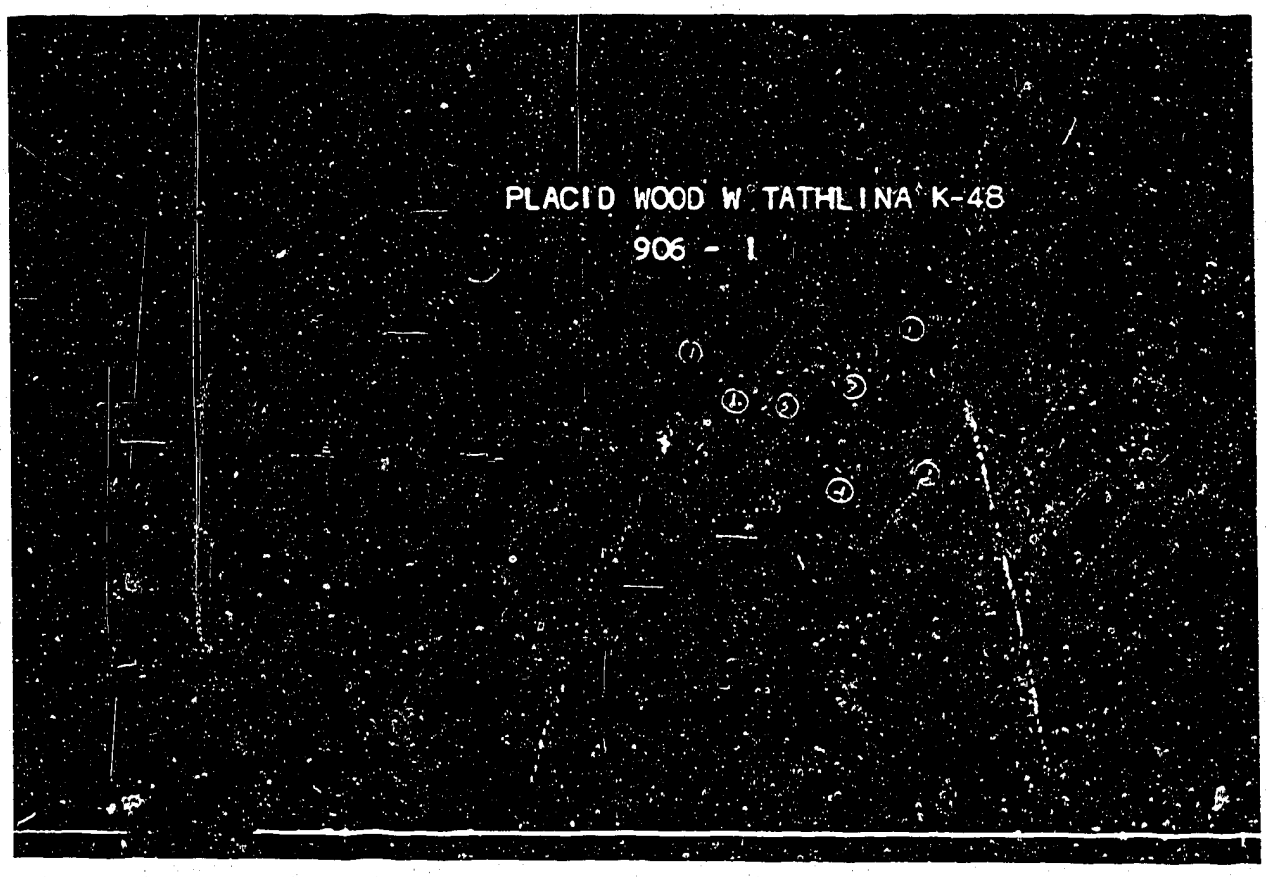
PLACID WOOD W TATHLINA KWS NSO-40-W1170-451 Test No. 1

March 9, 1968
Date of Test


PLACID WOOD W. TATHLINA K-46
905 - 1


PLACID WOOD W. TATHLINA K-46
906 - 1


PLACID WOOD W TATHLINA K-48
905 - 1


PLACID WOOD W TATHLINA K-48
906 - 1

TEST DATA	Test No. 1	Lynes Test No. 1	
Formation	Frequile	T.D. 3311	Ft.
Interval Tested	3030	Ft. to 3311	Ft.
Feet of Net Pay Tested	281		Ft.
Type of Test	Dual Bottomhole		
Cushion	Nil	Amount -	Ft.
Started in Hole at	1040	Hrs. Tool Open at 1302	Hrs.
Pre-Flow	3	Mins. Initial Shut-in 30	Mins.
Final Flow	60	Mins. Final Shut-in 30	Mins.
Remarks			

Strong Initial Puff.

Blow: Stong air blow remaining steady and decreasing slightly during last fifteen minutes of flow period.

GAS BLOW MEASUREMENTS

Measured with

Time	Surface Choke	Reading - Inches	Cubic Feet/Day

RECOVERY

TOTAL FLUID RECOVERED 2750 Ft. Consisting of:

120 Ft. of Drilling Fluid

2630 Ft. of Black Sulphurous salt water.

Ft. of

Ft. of

Test was/was not Reversed Circulated

Oil Recovery Degrees A.P.I. Water Specific Gravity

GENERAL INFORMATION	
Company	Placid Oil Company
Address	560 Guinness House
	Calgary, Alberta
Well Name	PLACID WOOD W TATHLINA
Well Number	K-48 N60-40-W117°-45'
K.B. Elevation	963
Area	Kakisa River Province N.W.T.
Company Rep.	S. Rosichuck
Tester	D. Ray
Contractor	Guthrie McLaren Rig No. 4
Ticket No.	4477 Date March 9, 1968
Service Reports To	5-Above address.

MUD AND HOLE DATA			
Mud Type	Gel-Chemical		
Weight	9.8	Viscosity 95	Water Loss 8.9
Filter Cake	2/32"	Bottom Hole Temperature	
Drill Pipe Size	4½" F.H.	Weight	1660
Drill Collars	4½" H.90	I.D. 2 7/8"	Feet Run
Main Hole or Casing Size	7/8"		
Rathole or Liner Size	Nil	No. of Feet -	
Bottom Hole Choke Size	¼"		
Surface Choke Size	-		
Packer Rubber Size	7"		

REMARKS

PRESSURE READINGS	Inside X	Outside	Inside	Outside X	Inside	Outside	Inside	Outside
Recorder No.	905		906					
Capacity	2700		3050					
Depth	3031		3036					
1. INITIAL HYDROSTATIC	1500		1505					
2. PRE-FLOW	1031		1246					
3. INITIAL SHUT-IN	1319		1322					
4. INITIAL FLOW	1197		1299					
5. FINAL FLOW	1319		1322					
6. FINAL SHUT-IN	1319		1322					
7. FINAL HYDROSTATIC	1486		1490					

Placid Oil Company — Company

PLACID WOOD W TATHLINA K-48 N60-40-W117°-45' — Well Name and Description

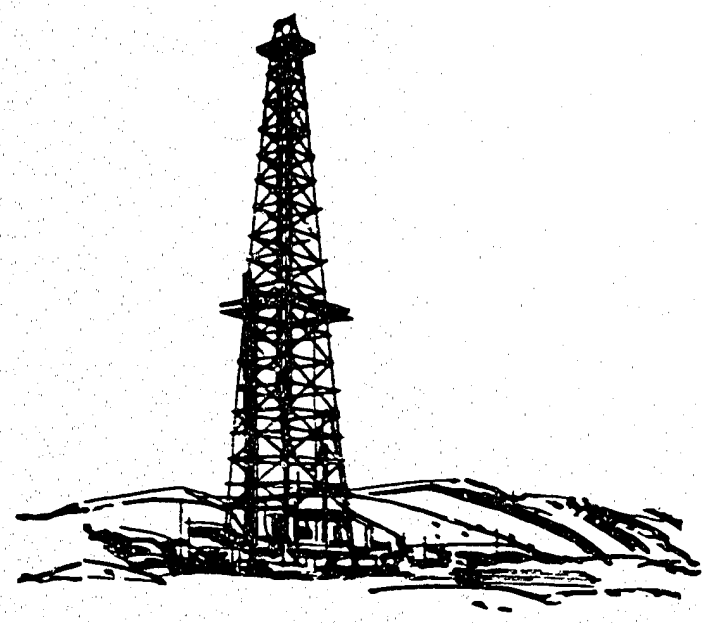
1 — Test No.

March 9, 1968 — Date of Test

LYNES

BRIGHT NAME IN THE OIL PATCH

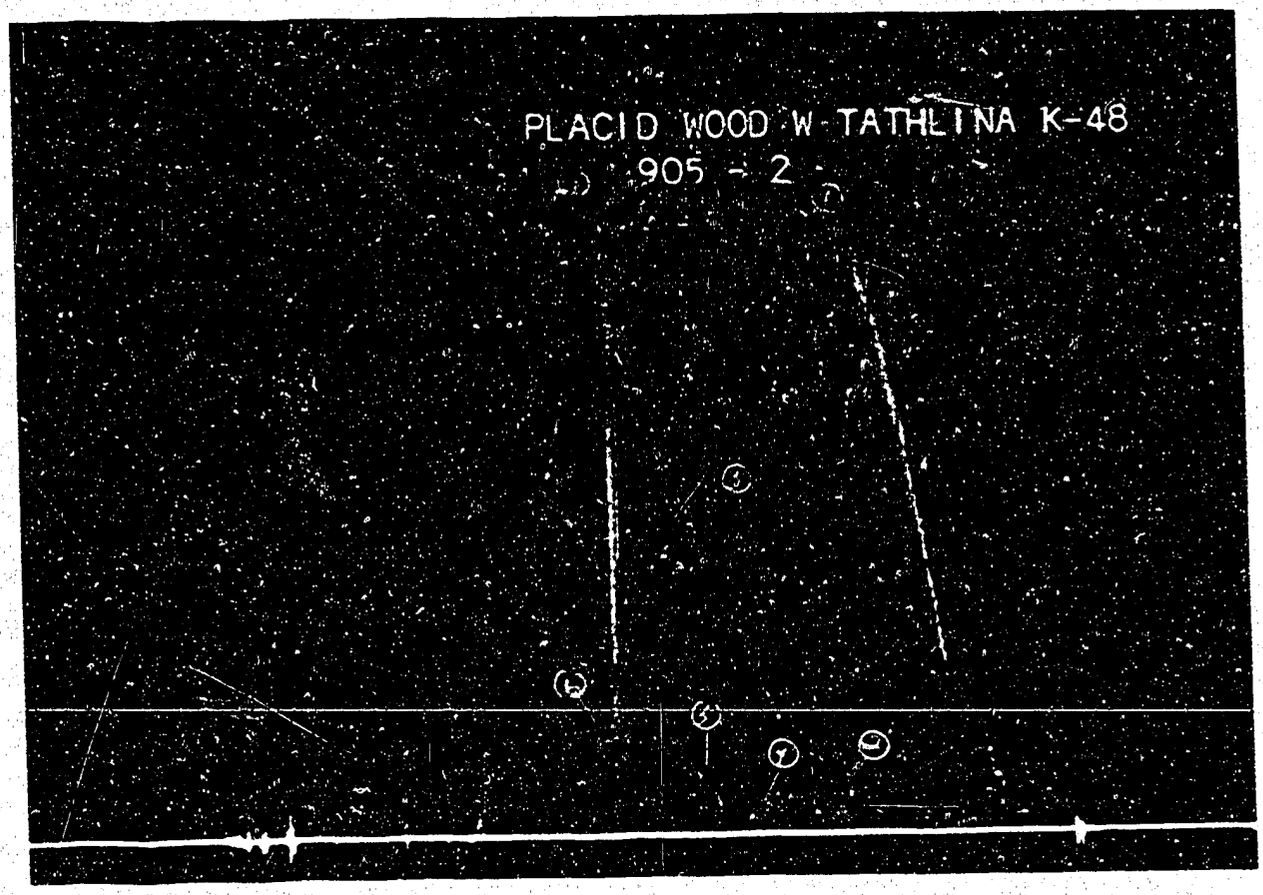
Inflatable Sealing Element Packers

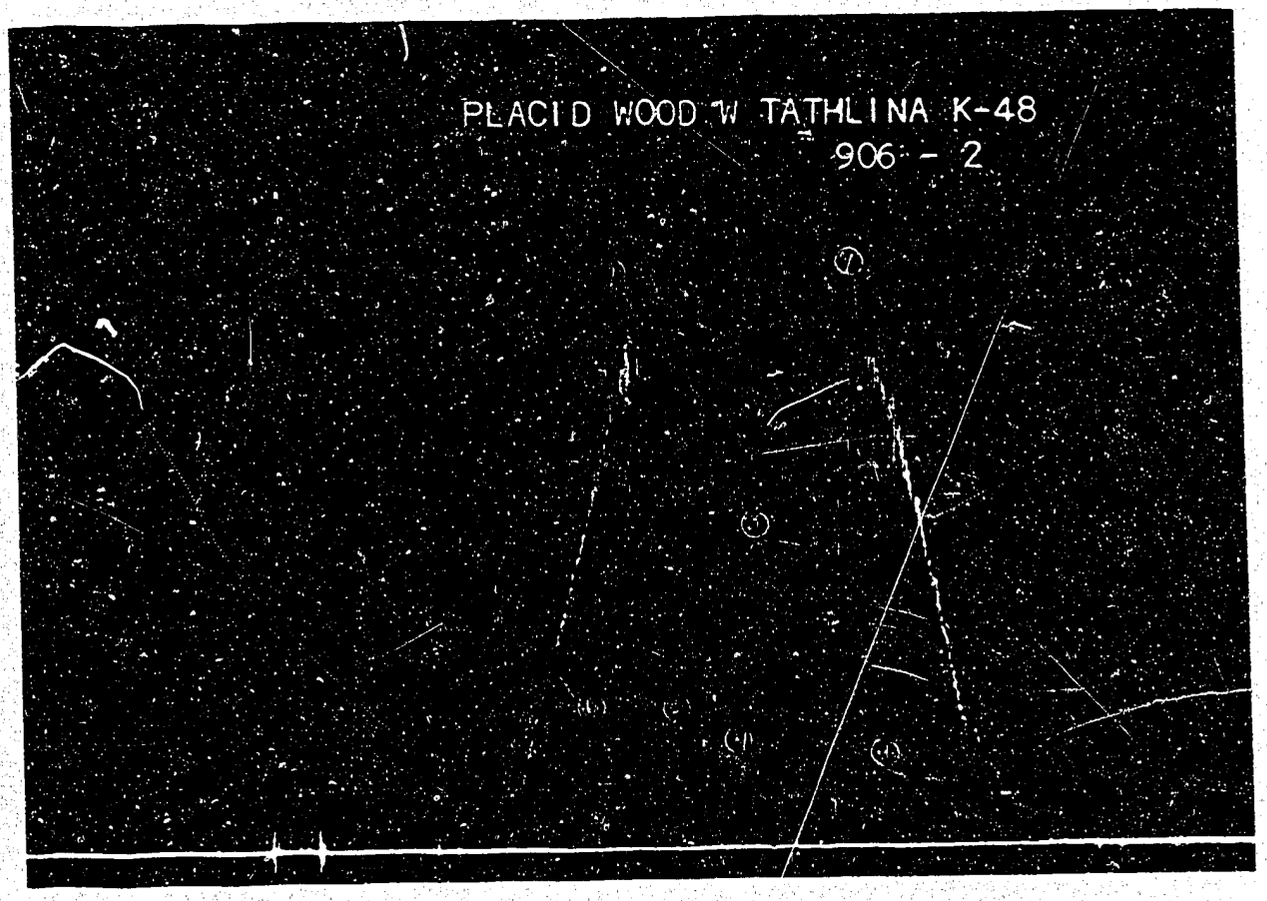


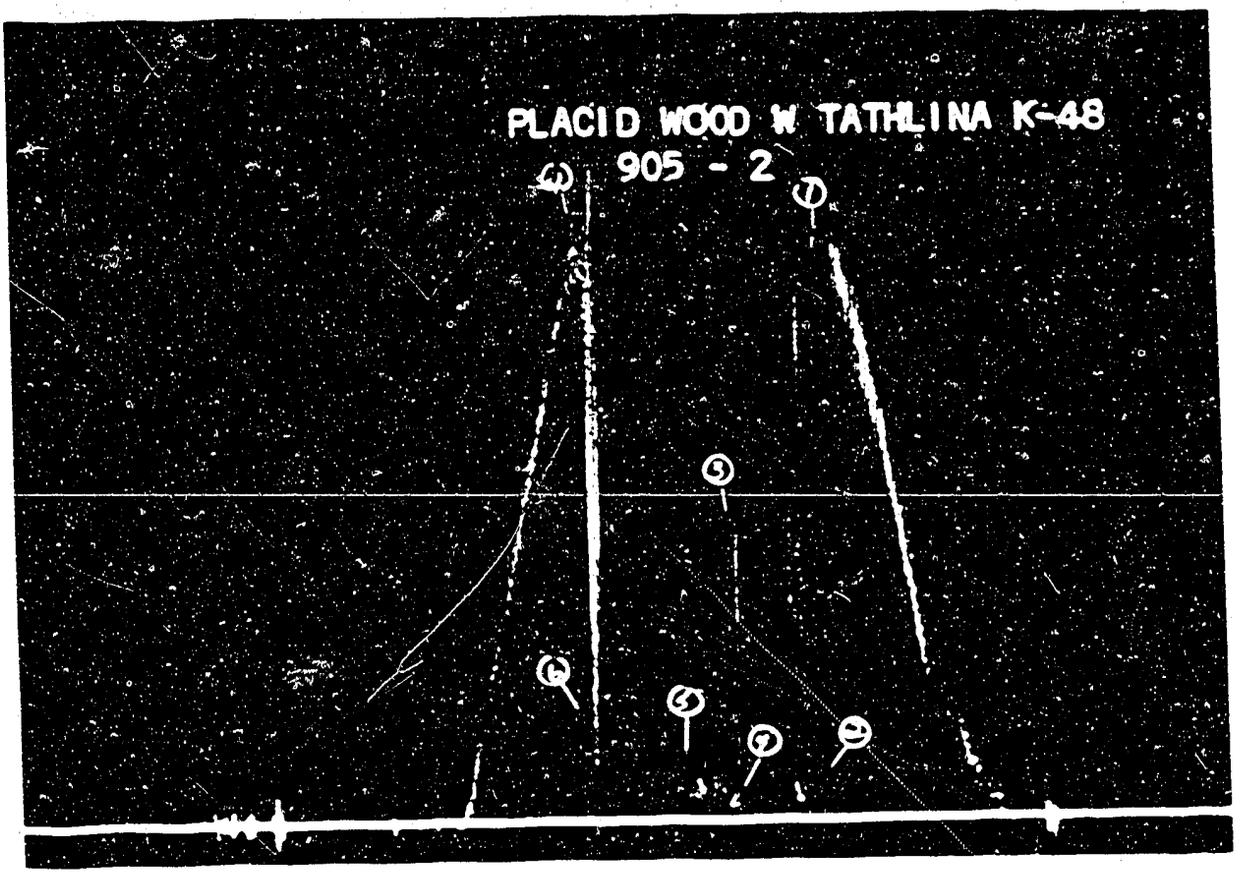
Formation Testing
Service Report

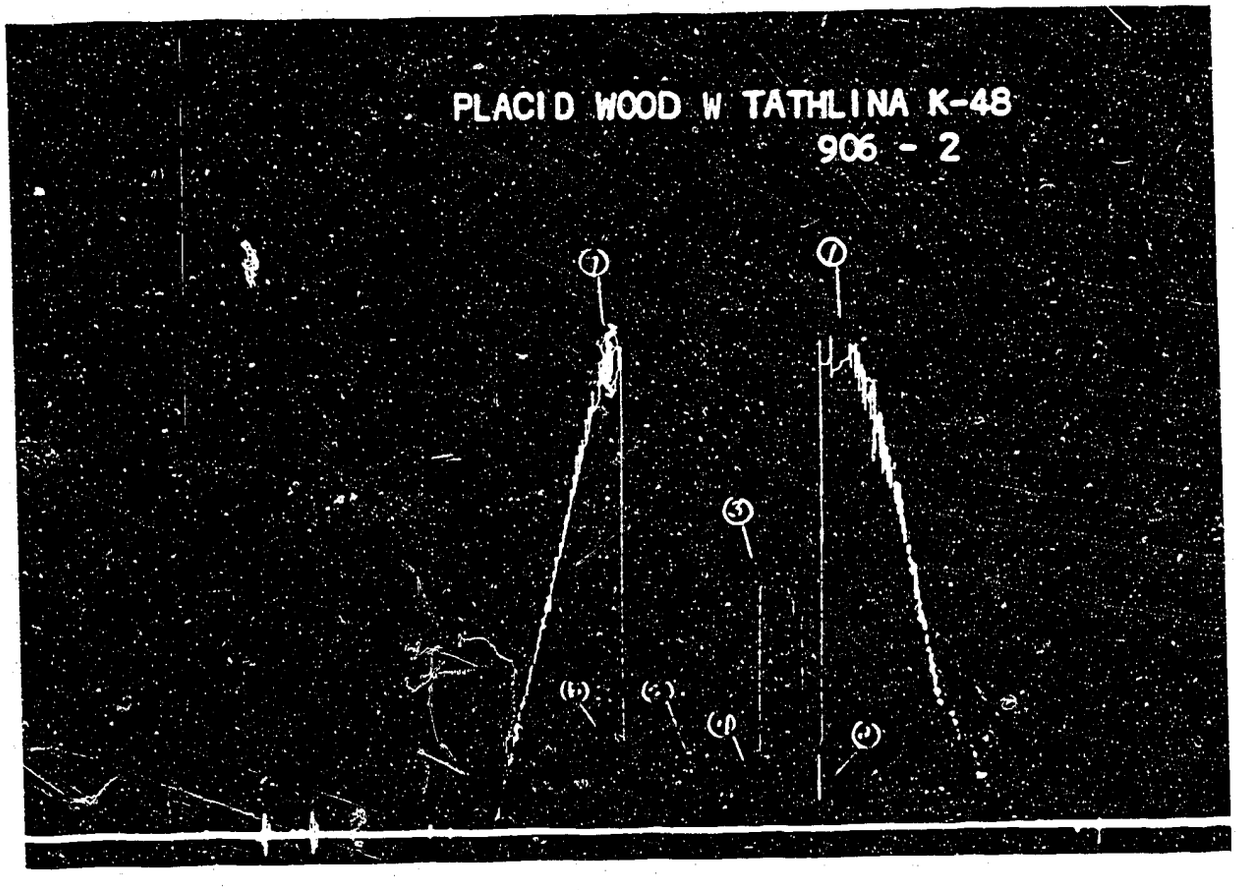
Placid Oil Company

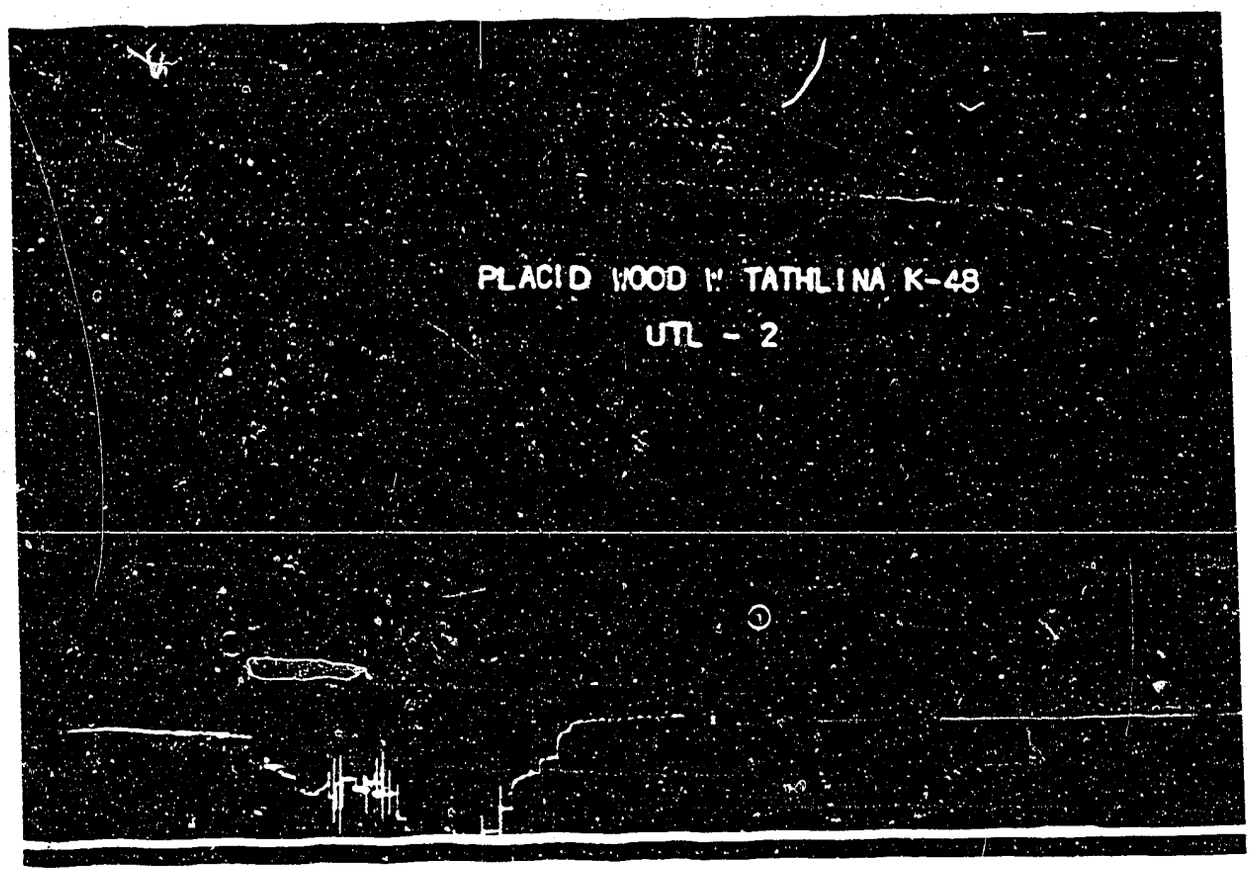
PLACID WOOD W TATHLINA K-4R N60-40-W117°-45' 2 March 19, 1968

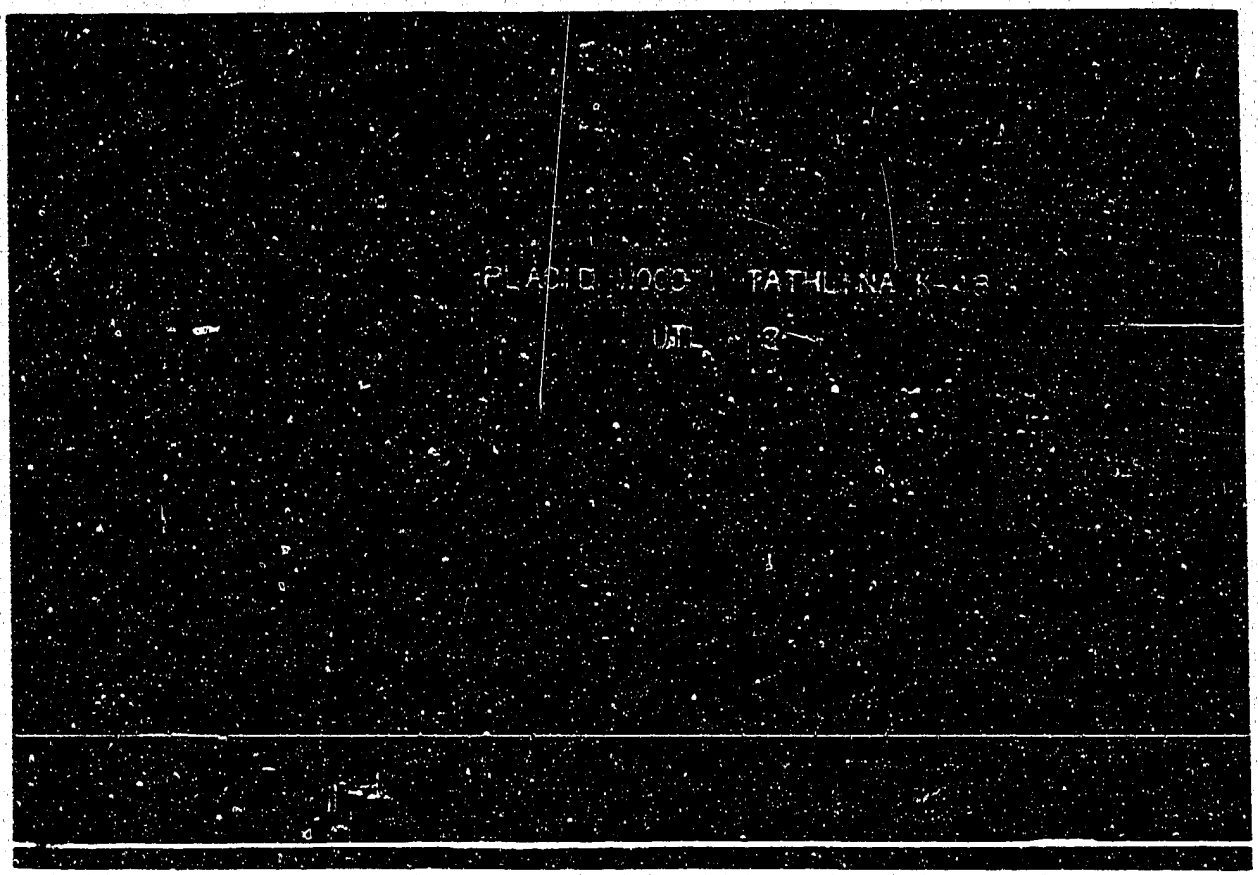

PLACID WOOD W TATHLINA K-48
905 - 2


PLACID WOOD W TATHLINA K-48
906 - 2


PLACID WOOD W TATHLINA K-48
905 - 2


PLACID WOOD W TATHLINA K-48
906 - 2


PLACID WOOD N. TATHLINA K-48
UTL - 2


PLACID WOOD TATHLINA K-
UT 2

TEST DATA						GENERAL INFORMATION	
Test No.	2	Lynes Test No.	1				
Formation	Slave Point	T.D.	3311	Ft.	Company	Placid Oil Company	
Interval Tested	2750	Ft. to	2920	Ft.	Address	860 Guinness House	
Feet of Net Pay Tested	170			Ft.		Calgary, Alberta	
Type of Test	Conventional Dual Straddle						
Cushion	Nil	Amount	–	Ft.	Well Name	PLACID WOOD W TATHLINA	
Started in Hole at	2115	Hrs. Tool Open at	2325	Hrs.	Well Number	K48-N60-40-W117°-45'	
Pre-flow	5	Mins. Initial Shut-in	30	Mins.	K.B. Elevation	963	
Final Flow	30	Mins. Final Shut-in	30	Mins.	Area	Kakisa Creek	Province N.W.T.
Remarks					Company Rep.	S. Rosichuck	
					Tester	Dave Ray	
					Contractor	Guthrie McClaren	Rig No. 4
					Ticket No.	4578	Date March 10, 1968
Blow	Good initial puff, Strong air blow slowly decreasing after fifteen minutes.				Service Reports To	S-Above address.	

MUD AND HOLE DATA					
Mud Type	Gel-Chemical				
Weight	9.8	Viscosity	95	Water Loss	8.9
Filter Cake	2/32	Bottom Hole Temperature			
Drill Pipe Size	4½" F.H.			Weight	1660
Drill Collars	4½" H.90	I.D.	2 7/8"	Feet Run	300
Main Hole or Casing Size			7 7/8"		
Turnhole or Liner Size			Nil	No. of Feet	–
Bottom Hole Choke Size			¼"		
Surface Choke Size			–		
Packer Rubber Size			7"		

GAS BLOW MEASUREMENTS			
Measured with			
Time	Surface Choke	Reading - Inches	Cubic Feet/Day

REMARKS	Test successful.

RECOVERY	
TOTAL FLUID RECOVERED	210 Ft. Consisting of:
210 Ft. of	Drilling mud (badly contaminated
Ft. of	with sulphur and salt water and
Ft. of	heavily concealed.)
Ft. of	
Test was/was not Reverse Circulated	Not
Oil Recovery Degrees A.P.I.	– Water Specific Gravity –

PRESSURE READINGS	Inside X	Outside	Inside	Outside X	Inside	Outside X	Inside	Outside
Recorder No.	905		906		UTL			
Capacity	2700		3050		5000			
Depth	2733		2737		2751			

1. INITIAL HYDROSTATIC	1377	1380	1398	
2. PRE-FLOW	54	89		
3. INITIAL SHUT-IN	720	725		
4. INITIAL FLOW	52	86		
5. FINAL FLOW	67	116		
6. FINAL SHUT-IN	214	213		
7. FINAL HYDROSTATIC	1342	1346	1388	

Placid Oil Company — Company
PLACID WOOD W TATHLINA K-48 N60-40-W117°-45' — Well Name and Description
2 — Test No.
March 10, 1968 — Date of Test

72 968

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Lease Well Name: Placid WOOD W TATHLINA K-48 | Location: 60° 40' 117° 00' Lsd. Sec. Twp. Rge. W. M. | Date: MAR 71 68

Weather Condition: -15° COLD | Road Condition: ROUGH | Nearest Town: HAY RIVER | Water - Source | Miles Hauled | Pumped | Camp Distance from Rig | Reason for Extra L. Plant

OPERATOR: PLACID OIL CO.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: O.R. Clark

Rig No. DWKS | Drill Pipe: String No. / Size | Joint Type Thd. | O.D.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.			
2.			
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Up & Dismantle			
Drilling Actual			
Reaming			
Conditioning Mud & Circulating			
Trips			
Lubricate Rig			
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other			
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals			

TIME SUMMARY (Office Use Only)

Day Work			
Hrs. W/DP			
Hrs. WO/DP			
Hrs. Standby			
Total Day Work			

WIRE LINE RECORD

Reel No.

No. of Lines Size

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut

Cumulative Ton Mi. or Trips

No. of Days From Spud

Cumulative Rotating Hrs.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	Stands D.P.	Ft.	Bit No.	
	Singles D.P.	Ft.	Size	
	D.C. I.D. O.D.	Ft.	Mfg.	
	D.C. I.D. O.D.	Ft.	Type	
	Stb. Body O.D.	Ft.	Nozzle No. / Size	
	Stb. Body O.D.	Ft.	Ser. No.	
	Rmr. Body O.D.	Ft.	Depth Out	
	Subs O.D.	Ft.	Depth In	
	Bit or C.B.	Ft.	Total Ftg.	
	Kelly Down	Ft.	Total Hr. Run	
	Total	Ft.	Cond. of Bit	
	Wt. of String	Lbs.	Reamer No.	
	Pipe in Hole	Jts.	Reamer Type	
	Pipe on Racks	Jts.	MATERIAL CHARGED TO OPERATOR	
	Total Pipe on Lease	Jts.		

MUD RECORD

Time				
Weight				
Visc.-Sec.				
W.L.-C.C.				
FL TR. CK.				
PH				
SD. Cont. %				
Pressure Gradient				

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record | Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00	5.00							~~Move Rig~~ Rig up on New Location

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	Stands D.P.	Ft.	Bit No.	
	Singles D.P.	Ft.	Size	
	D.C. I.D. O.D.	Ft.	Mfg.	
	D.C. I.D. O.D.	Ft.	Type	
	Stb. Body O.D.	Ft.	Nozzle No. / Size	
	Stb. Body O.D.	Ft.	Ser. No.	
	Rmr. Body O.D.	Ft.	Depth Out	
	Subs O.D.	Ft.	Depth In	
	Bit or C.B.	Ft.	Total Ftg.	
	Kelly Down	Ft.	Total Hr. Run	
	Total	Ft.	Cond. of Bit	
	Wt. of String	Lbs.	Reamer No.	
	Pipe in Hole	Jts.	Reamer Type	
	Pipe on Racks	Jts.	MATERIAL CHARGED TO OPERATOR	
	Total Pipe on Lease	Jts.		

MUD RECORD

Time				
Weight				
Visc.-Sec.				
W.L.-C.C.				
FL TR. CK.				
PH				
SD. Cont. %				
Pressure Gradient				

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record | Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
								Move Rig & Rigging Up On New Loc

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	Stands D.P.	Ft.	Bit No.	
	Singles D.P.	Ft.	Size	
	D.C. I.D. O.D.	Ft.	Mfg.	
	D.C. I.D. O.D.	Ft.	Type	
	Stb. Body O.D.	Ft.	Nozzle No. / Size	
	Stb. Body O.D.	Ft.	Ser. No.	
	Rmr. Body O.D.	Ft.	Depth Out	
	Subs O.D.	Ft.	Depth In	
	Bit or C.B.	Ft.	Total Ftg.	
	Kelly Down	Ft.	Total Hr. Run	
	Total	Ft.	Cond. of Bit	
	Wt. of String	Lbs.	Reamer No.	
	Pipe in Hole	Jts.	Reamer Type	
	Pipe on Racks	Jts.	MATERIAL CHARGED TO OPERATOR	
	Total Pipe on Lease	Jts.		

MUD RECORD

Time				
Weight				
Visc.-Sec.				
W.L.-C.C.				
FL TR. CK.				
PH				
SD. Cont. %				
Pressure Gradient				

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record | Depth | Dev. | Direction | Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
								Move Rig and Rigging up on New Location

GEOLOGICAL BRANCH ... 1971 DS MAR ...

No. 967

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Lease / Well Name: PLACID WOOD W.T.ATH LINK

Location: Lsd. 48 Sec. 60 Twp. 40 Rge. 17 W. 6 Om.

Date: March 10 1968

Weather Condition: COLD -15° | Road Conditions: ROUGH | Nearest Town: HAY RIVER | Water - Source / Miles Hauled / Pumped | Camp Distance from Rig / Reason for Extra L. Plant

OPERATOR: Placid Oil Co.

SIGNATURE OF OPERATOR'S REPRESENTATIVE: J Rosenke

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: O.B. Clark

Rig No. 4 DWKS T-12 | Drill Pipe String No. — Size 4½ | Tool Joint 5¾ O.D. | Type Thd. F.H.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-150B	12
2.	G. DENVER.	FD-FXD	10
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
8⅝		H 24 J 55	6	170	1230	1465	

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual			
Reaming			
Conditioning Mud & Circulating			
Trips			
Lubricate Rig			
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
~~Running Casing~~ & Cementing	2	2 11/2	
Waiting on Cement			1 3/4
Drill Stem Test			
Other		5 3/4	1/4
Fishing			

COMPLETION WORK

A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals		8	8

TIME SUMMARY (Office Use Only)

Day Work
Hrs. W/DP
Hrs. WO/DP
Hrs. Standby
Total Day Work

WIRE LINE RECORD

Reel No.
No. of Lines — Size
Feet Slipped
Feet Cut Off
Present Length
Ton Mi. or Trips Since Last Cut
Cumulative Ton Mi. or Trips
No. of Days From Spud
Cumulative Rotating Hrs.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD	
	Stands D.P.	Ft.	Bit No.		Time	
	Singles D.P.	Ft.	Size		Weight	
	D.C.		Mfg.		Visc.-Sec.	
	I.D. O.D.	Ft.	Type		W.L.-C.C.	
	D.C.		Nozzle No.		FL TR. CK.	
	I.D. O.D.	Ft.	Nozzle Size		PH	
	Stb. Body O.D.	Ft.	Ser. No.		SD. Cont. %	
	Stb. Body O.D.	Ft.	Depth Out		Pressure Gradient	
	Rmr. Body O.D.	Ft.	Depth In			
	Subs O.D.	Ft.	Total Ftg.		Mud & Chemicals Added	
	Bit or C.B.	Ft.	Total Hr. Run		Type / Amt. / Type / Amt.	
	Kelly Down	Ft.	Cond. of Bit			
	Total	Ft.	Reamer No.			
Wt. of String		Lbs.	Reamer Type			
Pipe in Hole		Jts.	MATERIAL CHARGED TO OPERATOR			
Pipe on Racks		Jts.				
Total Pipe on Lease		Jts.			Driller: L. SUTHERLY.	

FOOTAGE: From / To / Ftge. | DR-D RM-R Core-C | Core No. | FORMATION (SHOW CORE RECOVERY) | Rotary RPM | Wt. on Bit 1000 Lbs. | Pump Press | Pump No. 1: Liner Size / S.P.M. | Pump No. 2: Liner Size / S.P.M. | Method Run SGL-S Par'el-P Com'd-C

Deviation Record: Depth / Dev. / Direction | Depth / Dev. / Direction | Depth / Dev. / Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	1:30							WELLHEAD TEST.
1:30	4:00							TRIP OUT WITH PROVER
4:00	6:00							LAYDOWN PACKER & LOAD OUT.
6:00	8:00							RUN IN CASING. LAY DOWN CASING

RAN PLUG #1 FROM 2750-3311 WITH 200 SKS. CEMENT. Plug Down AT 11:50 AM March 10/68.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD	
	Stands D.P.	Ft.	Bit No.		Time	
	Singles D.P.	Ft.	Size		Weight	
	D.C.		Mfg.		Visc.-Sec.	
	I.D. O.D.	Ft.	Type		W.L.-C.C.	
	D.C.		Nozzle No.		FL TR. CK.	
	I.D. O.D.	Ft.	Nozzle Size		PH	
	Stb. Body O.D.	Ft.	Ser. No.		SD. Cont. %	
	Stb. Body O.D.	Ft.	Depth Out		Pressure Gradient	
	Rmr. Body O.D.	Ft.	Depth In			
	Subs O.D.	Ft.	Total Ftg.		Mud & Chemicals Added	
	Bit or C.B.	Ft.	Total Hr. Run		Type / Amt. / Type / Amt.	
	Kelly Down	Ft.	Cond. of Bit			
	Total	Ft.	Reamer No.			
Wt. of String		Lbs.	Reamer Type			
Pipe in Hole		Jts.	MATERIAL CHARGED TO OPERATOR			
Pipe on Racks		Jts.				
Total Pipe on Lease		Jts.			Driller	

FOOTAGE: From / To / Ftge. | DR-D RM-R Core-C | Core No. | FORMATION (SHOW CORE RECOVERY) | Rotary RPM | Wt. on Bit 1000 Lbs. | Pump Press | Pump No. 1: Liner Size / S.P.M. | Pump No. 2: Liner Size / S.P.M. | Method Run SGL-S Par'el-P Com'd-C

Deviation Record: Depth / Dev. / Direction | Depth / Dev. / Direction | Depth / Dev. / Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:30	½						LAY Down Collars
8:30	10:30	2						Run in Pipe To Cement Pickup 11 Joints
10:30	12:00	1½						Rig up To Cement & Cement Plug #1
12:00	3:00	3						Pull Ten Stands And Lay Down Pipe
3:00	3:15	¼						Cement Plug #2
3:15	4:00	¾						Lay Down Pipe

Ran Plug #2 From 95-195 With 60 Sks. Cement Plus 4% CAC. Plug Down @ 3:45 PM - March 10/68

CHECK Plug #2 - AT 90'.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD	
	Stands D.P.	Ft.	Bit No.		Time	
	Singles D.P.	Ft.	Size		Weight	
	D.C.		Mfg.		Visc.-Sec.	
	I.D. O.D.	Ft.	Type		W.L.-C.C.	
	D.C.		Nozzle No.		FL TR. CK.	
	I.D. O.D.	Ft.	Nozzle Size		PH	
	Stb. Body O.D.	Ft.	Ser. No.		SD. Cont. %	
	Stb. Body O.D.	Ft.	Depth Out		Pressure Gradient	
	Rmr. Body O.D.	Ft.	Depth In			
	Subs C.D.	Ft.	Total Ftg.		Mud & Chemicals Added	
	Bit or C.B.	Ft.	Total Hr. Run		Type / Amt. / Type / Amt.	
	Kelly Down	Ft.	Cond. of Bit			
	Total	Ft.	Reamer No.			
Wt. of String		Lbs.	Reamer Type			
Pipe in Hole		Jts.	MATERIAL CHARGED TO OPERATOR			
Pipe on Racks		Jts.				
Total Pipe on Lease		Jts.			Driller: Jack Wenger	

FOOTAGE: From / To / Ftge. | DR-D RM-R Core-C | Core No. | FORMATION (SHOW CORE RECOVERY) | Rotary RPM | Wt. on Bit 1000 Lbs. | Pump Press | Pump No. 1: Liner Size / S.P.M. | Pump No. 2: Liner Size / S.P.M. | Method Run SGL-S Par'el-P Com'd-C

Deviation Record: Depth / Dev. / Direction | Depth / Dev. / Direction | Depth / Dev. / Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	11:45	7¾						W.O.C. [redacted]
11:45	12:00	¼						FEEL Plug # 2 @ 90'

No. 966

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Lease / Well Name: PLACID WOOD W. TATHLINA

Location: K-Lsd. 48 Sec. 60 Twp. 40 Rge. 17 W 00 M.

Date: MAR. 9 1968

Weather Condition: -20° STORMY | Road Conditions: FAIR | Nearest Town: HAY RIVER | Water – Source: CREEK | Miles Hauled: 6 | Pumped: | Camp Distance from Rig: 200' | Reason for Extra L. Plant: STANDBY

OPERATOR: PLACID OIL CO.

Rig No. 4 | DWKB T-12

Drill Pipe String: No. | Size 4½

Tool Joint: 5 3/4" O.D. | Type Thd. F.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE: A Mowatt

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: O.R. le Lark

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-150-B	12"
2.	Ge-Emsco	Fa-F10	10"
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
8 5/8"		24 J-55	6	170	12.30	145	

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual			
Reaming			
Conditioning Mud & Circulating	1		
Trips	4 1/4	3	
Lubricate Rig		1/4	
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test		2 1/4	
Other	2 3/4	2 1/2	
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	

TIME SUMMARY (Office Use Only)

Day Work	
Hrs. W/DP	
Hrs. WO/DP	
Hrs. Standby	
Total Day Work	

WIRE LINE RECORD

Reel No.	
No. of Lines / Size	
Feet Slipped	
Feet Cut Off	
Present Length	
Ton Mi. or Trips Since Last Cut	
Cumulative Ton Mi. or Trips	
No. of Days From Spud	
Cumulative Rotating Hrs.	

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
44	Stands D.P.	2750.32 Ft.	Bit No.	R.R.
	Singles D.P.	Ft.	Size	7 7/8
18	D.C. 3 7/8 6 1/4 I.D. O.D.	525.33 Ft.	Mfg.	SEC
	D.C. I.D. O.D.	Ft.	Type	MHN-GJ
	Stb. Body O.D.	Ft.	Nozzle No. / Size	
	Stb. Body O.D.	Ft.	Ser. No.	
	Rmr. Body O.D.	Ft.	Depth Out	
	Subs O.D.	Ft.	Depth In	
	Bit or C.B.	2.95 Ft.	Total Ftg.	
	Kelly Down	32.40 Ft.	Total Hr. Run	
	Total	3311.00 Ft.	Cond. of Bit	
Wt. of String		76,000 Lbs.	Reamer No.	
Pipe in Hole		84 Jts.	Reamer Type	
Pipe on Racks		23 Jts.	MATERIAL CHARGED TO OPERATOR	
Total Pipe on Lease		111 Jts.		

MUD RECORD

Time	5 35
Weight	9.8
Visc.-Sec.	95
W.L.-C.C.	8.9
FL TR. CK.	2/32
PH	9.5
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: Jack Wingin

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3311						—	—	1000	6"	65			

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	2 45	2 3/4						WAIT ON ORDERS
2 45	4 45	2						RUN IN W/BIT
4 45	5 45	1						CIRC. HOLE FOR TEST
5 45	8 00	2 1/4						HOIST OUT

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	Stands D.P.	Ft.	Bit No.	
	Singles D.P.	Ft.	Size	
	D.C. I.D. O.D.	Ft.	Mfg.	
	D.C. I.D. O.D.	Ft.	Type	
	Stb. Body O.D.	Ft.	Nozzle No. / Size	
	Stb. Body O.D.	Ft.	Ser. No.	
	Rmr. Body O.D.	Ft.	Depth Out	
	Subs O.D.	Ft.	Depth In	
	Bit or C.B.	Ft.	Total Ftg.	
	Kelly Down	Ft.	Total Hr. Run	
	Total	Ft.	Cond. of Bit	
Wt. of String	76	Lbs.	Reamer No.	
Pipe in Hole		Jts.	Reamer Type	
Pipe on Racks		Jts.	MATERIAL CHARGED TO OPERATOR	
Total Pipe on Lease	111	Jts.		

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: L.E. SWEEZEY

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3311													

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
5 00	8 15							BIC SERVICE BOPS CHECKED.
8 15	9 00							WAIT ON TESTER.
9 00	10 30							MAKE UP PACKER.
10 30	10 45							WORK ON AIR.
10 45	1 00							RUN IN WITH PACKER PICK UP 7 JOINTS PIPE.
1 00	3 15							WEHL ON TEST.
3 15	4 00							TRIP OUT W. PACKER.

RAN D.S.T. # 1 IN THE MIDDLE DEVONIAN DOLOMITIC FORMATION. 3030-3311
I.S.I-30 MIN V.O-60 MIN F.S.I-30 MIN GOOD STRONG AIR BLOW. DECREASING
LAST 15 MIN FLOW PERIOD RECOVERED 1500' OF MUD 2630' OF BLACK SULPHUROUS SALTY
WATER. I.H.P. 1580 F.S.I-1321 F.F.-1193 F.F.-1321 F.H.P.-1437

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	Stands D.P.	Ft.	Bit No.	
	Singles D.P.	Ft.	Size	
	D.C. I.D. O.D.	Ft.	Mfg.	
	D.C. I.D. O.D.	Ft.	Type	
	Stb. Body O.D.	Ft.	Nozzle No. / Size	
	Stb. Body O.D.	Ft.	Ser. No.	
	Rmr. Body O.D.	Ft.	Depth Out	
	Subs O.D.	Ft.	Depth In	
	Bit or C.B.	Ft.	Total Ftg.	
	Kelly Down	Ft.	Total Hr. Run	
	Total	Ft.	Cond. of Bit	
Wt. of String		Lbs.	Reamer No.	
Pipe in Hole		Jts.	Reamer Type	
Pipe on Racks		Jts.	MATERIAL CHARGED TO OPERATOR	
Total Pipe on Lease		Jts.		

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: Bernie Lacoste

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 00	4 15	1/4						RIG SERVICE
4 15	6 00	1 3/4						RUN TEST NO 1 W/
6 00	9 15	3 1/4						HANDLE TOOL MAKE UP TEST NO 2
9 15	11 00	1 3/4						RUN IN TEST NO 2
11 00	12 00	1						TO MAKE UP CHECK SAMPLES RUN TEST

RAN D.S.T. # 2 IN THE SLAVE POINT FORMATION 2750-2920 I.S.I-30 MIN
V.O-45 MINS F.S.I-30 MINS GOOD STRONG AIR BLOW DECREASING END
OF TEST. RECOVERED 210' OF BLACK SULPHUROUS SALTY WATER,
CONTAMINATED WITH DRILLING MUD.
I.H.P. 1380 I.S.I-739 F.S.I-211 I.F.-83 F.F.-166 F.H.P.-1380

No. 965

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Lease Well Name: PLACID WOOD W. TATHLINA — Date: MAR. 8 1968

Location: K Lsd. 48 Sec. 60 Twp. 40 Rge. 17 W 00 M.

Weather Condition: MCLD Road Conditions: FAIR — Nearest Town: HAY RIVER — Water - Source: CREEK Miles Hauled: 6 Pumped: — Camp Distance from Rig: 200' Reason for Extra L. Plant: STANDBY

OPERATOR: PLACID OIL CO.

Rig No. 4 — DWKS 1-12

Drill Pipe String: No. — Size 4½ — Tool Joint 5 3/4 O.D. — Type Thd. F.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: D. R. Leland

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-150-B	12"
2.	C. DENVER	FO-FXO	10"
3.			

LAST CASING / TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSC. HD.	Set at	Remarks
8 5/8		24# J55	6	170	12.33	145	

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual			
Reaming			
Conditioning Mud & Circulating	4 1/2		
Trips	3 1/4	1/2	
Lubricate Rig	1/4	1/2	1/4
Deviation Survey	1/4		
Test B.O.P.			
Cut Off Drilling Line			
~~Repair~~ WOR Rig			7 3/4
Coring			
Wire Line Logging		4 1/2	
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other		3	
Fishing			
COMPLETION WORK: A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

TIME SUMMARY (Office Use Only)

Day Work

Hrs. W/DP

Hrs. WO/DP

Hrs. Standby

Total Day Work

WIRE LINE RECORD

Reel No.

No. of Lines — Size

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut

Cumulative Ton Mi. or Trips

No. of Days From Spud

Cumulative Rotating Hrs.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
24	Stands D.P.	2750.32 Ft.	Bit No.	6
	Singles D.P.	Ft.	Size	7 7/8
18	D.C. 2 7/8 I.D. 6 1/4 O.D.	525.33 Ft.	Mfg.	H.W
			Type	455R
	D.C. I.D. O.D.	Ft.	Nozzle No.	3
			Nozzle Size	1-16 2-14
1	Stb. Body O.D.	6.40 Ft.	Ser. No.	92608
	Stb. Body O.D.	Ft.	Depth Out	3311
1	Rmr. Body O.D.	5.08 Ft.	Depth In	3093
1	Subs Shock O.D.	11.35 Ft.	Total Ftg.	518
1	Bit ~~or C.B.~~ Stb	2.95 Ft.	Total Hr. Run	31 3/4
	Kelly Down	9.57 Ft.	Cond. of Bit	
	Total	3311 Ft.	Reamer No.	
Wt. of String		76000 Lbs.	Reamer Type	
Pipe in Hole		88 Jts.	MATERIAL CHARGED TO OPERATOR	
Pipe on Racks		23 Jts.		
Total Pipe on Lease		111 Jts.		

MUD RECORD

Time	1 00	4 00
Weight	9.8	9.8
Visc.-Sec.	80	95
W.L.-C.C.		8.6
FL TR. CK.	2/32	2/32
PH	9.5	9.5
SD. Cont. %		
Pressure Gradient		

Mud & Chemicals Added

Type	Amt.	Type	Amt.
CEL	16 bgs		

Driller: Jack Wenger

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'l-P Com'd-C
3311						—	—	6	6"	64	6"		

Deviation Record: Depth 3300' — Dev. — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	12 00	1/4						Rig Serv. 4 B.O.P. Ck.
12 15	12 30	1/4						Survey
12 30	1 15	3/4						Dummy Trip
1 15	5 30	4 1/4						Circ. Cond. Mud For Logging (WAIT ON LOG TRUCK)
5 30	8 00	2 1/2						Hoist & Measure To Log

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
24	Stands D.P.	2750.32 Ft.	Bit No.	
	Singles D.P.	Ft.	Size	
18	D.C. 2 7/8 I.D. 6 1/4 O.D.	525.33 Ft.	Mfg.	
			Type	
	D.C. I.D. O.D.	Ft.	Nozzle No.	
			Nozzle Size	
1	Stb. Body O.D.	6.40 Ft.	Ser. No.	
1	Stb. Body O.D.	5.08 Ft.	Depth Out	
1	Rmr. Body O.D.	2.95 Ft.	Depth In	
1	Subs O.D.	11.35 Ft.	Total Ftg.	
	Bit or C.B.	Ft.	Total Hr. Run	
	Kelly Down	9.57 Ft.	Cond. of Bit	
	Total	3311.00 Ft.	Reamer No.	
Wt. of String		Lbs.	Reamer Type	
Pipe in Hole		Jts.	MATERIAL CHARGED TO OPERATOR	
Pipe on Racks		Jts.		
Total Pipe on Lease	111	Jts.		

MUD RECORD

Time		
Weight		
Visc.-Sec.		
W.L.-C.C.		
FL TR. CK.		
PH		
SD. Cont. %		
Pressure Gradient		

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: L. SWEEZEY

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'l-P Com'd-C
	3311												

Deviation Record: Depth — Dev. — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00	8 15	1/4						TRIP OUT TO L.C. LAY DOWN SHOCK, REAMR, STABILIZER
8 15	8 30	1/4						RIG SERVICE
8 30	9 00	1/2						RIG UP LOGGERS
9 00	1 30	4 1/2						LOGGING
1 30	2 00	1/2						LOAD OUT LOGGING TRUCK
2 00	4 00	2						WAIT ON ORDERS
								CHANGED OIL IN ALL EM MOTORS & LIGHT PLANT.
								SERVICED AIR CLEANERS & AIR COMPRESSER

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
24	Stands D.P.	2750.32 Ft.	Bit No.	
	Singles D.P.	Ft.	Size	
18	D.C. 2 7/8 I.D. 6 1/4 O.D.	525.33 Ft.	Mfg.	
			Type	
	D.C. I.D. O.D.	Ft.	Nozzle No.	
			Nozzle Size	
	Stb. Body O.D.	Ft.	Ser. No.	
	Stb. Body O.D.	Ft.	Depth Out	
	Rmr. Body O.D.	Ft.	Depth In	
	Subs O.D.	2.95 Ft.	Total Ftg.	
	Bit or C.B.	Ft.	Total Hr. Run	
	Kelly Down	32.40 Ft.	Cond. of Bit	
	Total	3311.00 Ft.	Reamer No.	
Wt. of String	76.00	Lbs.	Reamer Type	
Pipe in Hole	88	Jts.	MATERIAL CHARGED TO OPERATOR	
Pipe on Racks	23	Jts.		
Total Pipe on Lease	111	Jts.		

MUD RECORD

Time		
Weight		
Visc.-Sec.		
W.L.-C.C.		
FL TR. CK.		
PH		
SD. Cont. %		
Pressure Gradient		

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: Bernie Bacon

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'l-P Com'd-C
	3311												

Deviation Record: Depth — Dev. — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4 00	4 15	1/4						RIG SERVICE
4 15	12 00	7 3/4						WAIT ON ORDERS
								RAN B.H.C. SONIC-CALIPER 3308-146
								DUAL INDUCTION LATEROLOG
								3307-146

No. 964

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Lease Well Name: PLACID WOOD W. FOOTHILLS K-48 | Date: MAR. 7 1968

Location: K Lsd. 48 Sec. 60 Twp. 40 Rge. 17 W. 0 M. | Weather Condition: +15° CLOUD | Road Conditions: FAIR | Nearest Town: HAY RIVER | Water - Source: CREEK | Miles Hauled: 6 | Pumped: | Camp Distance from Rig: 200 | Reason for Extra L. Plant: STANDBY

OPERATOR: PLACID OIL CO.

Rig No. 4 DWKS T-12 | Drill Pipe String: No. | Size 4½ | Tool Joint 5 3/4 O.D. | Type Thd. F.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: O. R. Clark

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-150-B	12"
2.	C. DENVER	FO-FKO	10"
3.			

LAST CASING TUBING OR LINER	Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
	8 5/8		24# J-55 ST	6	170	12.30	134.5	

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	7	7¾	7
Reaming	½		
Conditioning Mud & Circulating			¾
Trips	¼		
Lubricate Rig	¼	¼	¼
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other			
Fishing			

COMPLETION WORK

A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

TIME SUMMARY (Office Use Only)

Day Work			
Hrs. W/DP			
Hrs. WO/DP			
Hrs. Standby			
Total Day Work			

WIRE LINE RECORD

Reel No.

No. of Lines Size

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut

Cumulative Ton Mi. or Trips

No. of Days From Spud

Cumulative Rotating Hrs.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			
41	Stands D.P.	2581.36 Ft.	Bit No.	6	Time	2:00	5:00	7:00
1	Singles D.P.	31.67 Ft.	Size	7 7/8	Weight	9.8	9.8	9.7
18	D.C. 2 2/3 I.D. 6¼ O.D.	525.33 Ft.	Mfg.	Hughes	Visc.-Sec.	68	62	61
			Type	X55R	W.L.-C.C.	7.8	7.8	8.1
	D.C. I.D. O.D.	Ft.	Nozzle No.	3	FL TR. CK.	2/32	2/32	2/32
			Size	5-16 3-18	PH	9.5	9.5	9.5
1	Stb. Body 6 1/4 O.D.	6.40 Ft.	Ser. No.	92008	SD. Cont. %			
1	Stb. Body Shock O.D.	11.35 Ft.	Depth Out		Pressure Gradient			
1	Rmr. Body O.D.	5.08 Ft.	Depth In	3093				
	Subs O.D.	Ft.	Total Ftg.	62	Mud & Chemicals Added			
	Bit or Stb. 7 7/8	2.95 Ft.	Total Hr. Run	7	Type	Amt.	Type	Amt.
	Kelly Down	10.44 Ft.	Cond. of Bit	1N	CEL-	1300#		
	Total	3155 Ft.	Reamer No.		SAWDUST	10 SKS		
Wt. of String	75,000 Lbs.		Reamer Type					
Pipe in Hole	83 Jts.		MATERIAL CHARGED TO OPERATOR					
Pipe on Racks	28 Jts.							
Total Pipe on Lease	111 Jts.				Driller	Jack Wenger		

FOOTAGE From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	S.P.M.	Pump No. 2 Liner Size	S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3093	3155	62	D			60	25	600	6 5/8	64	6"		S
3033	3093	60	R.										

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼						FINISH RUN ON RIG SERV & B.O.P. Ck.
12:15	12:30	¼						REAM CORE HOLE
12:30	1:00	½						DRILLING
1:00	8:00	7						
								LOOSEING MUD TO FORMATION

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			
43	Stands D.P.	2656.32 Ft.	Bit No.	6	Time	8:00	11:30	2:00
	Singles D.P.	Ft.	Size	7 7/8	Weight	9.7	9.7	9.7
16	D.C. 2 2/3 I.D. 6¼ O.D.	525.33 Ft.	Mfg.	Hw	Visc.-Sec.	58	85	73
			Type	X55R	W.L.-C.C.			9.0
	D.C. I.D. O.D.	Ft.	Nozzle No.	2-18	FL TR. CK.			3/32
			Size	1-16	PH			9.5
1	Stb. Body 6 1/4 O.D.	6.40 Ft.	Ser. No.	92008	SD. Cont. %			
1	Stb. Body Shock O.D.	11.35 Ft.	Depth Out		Pressure Gradient			
1	Rmr. Body O.D.	5.08 Ft.	Depth In	3093				
	Subs O.D.	Ft.	Total Ftg.	156	Mud & Chemicals Added			
1	Bit or Stb. 7 7/8	2.95 Ft.	Total Hr. Run	14 3/4	Type	Amt.	Type	Amt.
	Kelly Down	11.07 Ft.	Cond. of Bit	4 in	GEL	500		
	Total	3349 Ft.	Reamer No.		CAUSTIC	#50		
Wt. of String	31,000 Lbs.		Reamer Type		SAWDUST	10 SKS		
Pipe in Hole	86 Jts.		MATERIAL CHARGED TO OPERATOR					
Pipe on Racks	95 Jts.							
Total Pipe on Lease	111 Jts.				Driller	L. SWEETZER		

FOOTAGE From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	S.P.M.	Pump No. 2 Liner Size	S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3155	3249	94				65	35	600	6"	62	6"		

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	9:45	1¾						DRILLING
9:45	10:00	¼						RIG SERVICE BOPS CHECKED.
10:00	4:00	6						DRILLING.
								LOOSEING MUD FORMATION.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			
44	Stands D.P.	2750.32 Ft.	Bit No.	6	Time	5	8:00	11:00
	Singles D.P.	Ft.	Size	7 7/8	Weight	9.7	9.7	9.7
18	D.C. 2 2/3 I.D. 6¼ O.D.	525.33 Ft.	Mfg.	Hughes	Visc.-Sec.	62	60	60
			Type	X55R	W.L.-C.C.			
	D.C. I.D. O.D.	Ft.	Nozzle No.	1-2	FL TR. CK.			
			Size	16-18	PH			
	Stb. Body 6¼ O.D.	6.40 Ft.	Ser. No.	92003	SD. Cont. %			
	Stb. Body Shock O.D.	11.35 Ft.	Depth Out	3311	Pressure Gradient			
	Rmr. Body O.D.	5.08 Ft.	Depth In	3093				
	Subs O.D.	Ft.	Total Ftg.	218	Mud & Chemicals Added			
	Bit or Stb. 7 7/8	2.95 Ft.	Total Hr. Run	21¾	Type	Amt.	Type	Amt.
	Kelly Down	9.62 Ft.	Cond. of Bit		Gel	700		
	Total	3311.00 Ft.	Reamer No.					
Wt. of String	76000 Lbs.		Reamer Type					
Pipe in Hole	88 Jts.		MATERIAL CHARGED TO OPERATOR					
Pipe on Racks	23 Jts.							
Total Pipe on Lease	111 Jts.				Driller	Beanie Sack.		

FOOTAGE From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	S.P.M.	Pump No. 2 Liner Size	S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3249	3311	62	D			65	35	600	6	60			

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	7:00	3						DRILLING
7:00	7:15	¼						RIG SERVICE
7:15	11:15	4						DRILLING.
11:15	12:00	¾						CIRC & CLEAN TUBULARS

No. 963

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Lease Well Name: PLACID WOOD W. TATHLINA K-42 Date: MAR. 6 1968

Location: K Lsd. 48 Sec. 68 Twp 40 Rge 17 W. 00 M.

Weather Condition: + 20° Road Conditions: MUDDY Nearest Town: HAY RIVER Water - Source: CREEK Miles Hauled: 6 Pumped: Camp Distance from Rig: 100 Reason for Extra Move: STANDBY

OPERATOR: PLACID OIL CO.

Rig No. 4 DWKS T-12

Drill Pipe String: No. — Size 4½

Tool Joint: 5¾ O.D. Type Thd. F.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: O. R. Clark

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-150-B	12"
2.	G. DENVER	FD-FXD	10"
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
8 5/8		24# J55	6	170	12-30	145	

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	13¾		
Reaming			
Conditioning Mud & Circulating	1		
Trips	3¾		4½
Lubricate Rig	¼	¼	¼
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
W.O.R. Repair Rig			¼
Coring		7	1¼
Wire Line Logging DLS Core			¾
Running Casing & Cementing Core BBL			½
Waiting on Cement			
Drill Stem Test			
Other	1¼	¾	½
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

TIME SUMMARY (Office Use Only)

Day Work

Hrs. W/DP

Hrs. WO/DP

Hrs. Standby

Total Day Work

WIRE LINE RECORD

Reel No.

No. of Lines Size

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut

Cumulative Ton Mi. or Trips

No. of Days From Spud

Cumulative Rotating Hrs.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
39	Stands D.P.	2435.25	Ft.
1	Singles D.P.	31.30	Ft.
	D.C. I.D. O.D.		Ft.
18	D.C. 2 7/8 I.D. 6¼ O.D.	525.33	Ft.
1	Stb. Body 6¼ O.D.	6.40	Ft.
1	Stb. Stock Body O.D.	11.35	Ft.
	Rmr. Body O.D.		Ft.
1	Subs BT.S. O.D.	2.75	Ft.
	Bit or C.B.		Ft.
	Kelly Down	20.80	Ft.
	Total	3033.00	Ft.
Wt. of String		72,000	Lbs.
Pipe in Hole		79	Jts.
Pipe on Racks		32	Jts.
Total Pipe on Lease		111	Jts.

BIT RECORD

Bit No.	5
Size	7 7/8
Mfg.	SEC.
Type	M4NGJ
Nozzle No.	3
Nozzle Size	2-14 1-16
Ser. No.	907163
Depth Out	3033
Depth In	2932
Total Ftg.	101
Total Hr. Run	7½
Cond. of Bit	2-2-I
Reamer No.	
Reamer Type	

MATERIAL CHARGED TO OPERATOR

MUD RECORD

	1st	2nd	3rd
Time	1 PM	2 PM	3 PM
Weight	9.5	9.5	9.5
Visc.-Sec.	54	60	62
W.L.-C.C.	9.	9.	9.
FL TR. CK.	9.5	9.5	9.5
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
CEL-	180#		

Driller: Jack Wenger

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-F Com'd-C
3016	3033	17	D			75	40	600	6"	65	6"		S

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	12 15	¼						RIG SERV. & B.O.P.
12 15	2 00	1¾						DRILLING
2 00	3 00	1						CIRC. FOR CORING
3 00	5 00	2						HOIST TO CORE
5 00	6 12	1¼						PICK UP & MAKE UP CORE BBL.
6 12	8 00	1¾						RUN IN W/ CORE BBL.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
39	Stands D.P.	2435.25	Ft.
1	Singles D.P.	15.00	Ft.
	D.C. I.D. O.D.		Ft.
18	D.C. 2 7/8 I.D. 6½ O.D.	525.33	Ft.
	D.C. Core 6¾ I.D. O.D.	72.05	Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
	Subs O.D.		Ft.
	Bit or C.B. Sub	2.95	Ft.
	Kelly Down	31.79	Ft.
	Total	3082	Ft.
Wt. of String		74000	Lbs.
Pipe in Hole		78	Jts.
Pipe on Racks		33	Jts.
Total Pipe on Lease		111	Jts.

BIT RECORD

Bit No.	CORE #1
Size	7 13/16
Mfg.	CHRISTENSEN
Type	A
Nozzle No.	
Nozzle Size	
Ser. No.	EC 2801
Depth Out	
Depth In	3033
Total Ftg.	49
Total Hr. Run	7
Cond. of Bit	
Reamer No.	
Reamer Type	

MATERIAL CHARGED TO OPERATOR

MUD RECORD

Time	11:30	12:00	2:00
Weight	9.1	9.7	
Visc.-Sec.	95	100	
W.L.-C.C.	9.2		
FL TR. CK.	2/32		
PH	9.5		
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: L. SWEETEY

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3033	3082	49	CORE	1		90	16 20	1000	6		6		S

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	815	¼						RIG SERVICE BOP'S CHECKED.
815	900	¾						LAY DOWN SINGLE PICK UP PUP JOINT. CIRC.
900	400	7						CUT CORE NO 1.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
39	Stands D.P.	2435.25	Ft.
1	Singles D.P.	31.67	Ft.
17	D.C. 2 7/8 I.D. 6¼ O.D.	525.33	Ft.
	D.C. Core 6¾ I.D. O.D.	72.05	Ft.
	Stb. Body O.D.	5.00	Ft.
	Stb. Body O.D.		Ft.
	Rmr. Body O.D.		Ft.
	Subs O.D.		Ft.
	Bit or C.B. Sub	2.95	Ft.
	Kelly Down	31.79	Ft.
	Total	3093	Ft.
Wt. of String		74000	Lbs.
Pipe in Hole		79	Jts.
Pipe on Racks		32	Jts.
Total Pipe on Lease		111	Jts.

BIT RECORD

Bit No.	6A	6
Size	7 13/16	7 7/8
Mfg.		Hugh
Type	D	J55R
Nozzle No.		1-7
Nozzle Size		16-18
Ser. No.	EC 2801	92669
Depth Out	3093	
Depth In	3033	3033
Total Ftg.	60	
Total Hr. Run	8¼	
Cond. of Bit		
Reamer No.		
Reamer Type		

MATERIAL CHARGED TO OPERATOR

MUD RECORD

Time	5		
Weight	9.9		
Visc.-Sec.	55		
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: Bernie Jacob

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
3082	3093	11	C			90	20	1000	6	43			

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	5:15	1¼						CORING
5:15	5:30	¼						RIG SERVICE
5:30	8:00	2½						PULL OUT OF HOLE
8:00	8:45	¾						HANDLE CORE
8:45	9:00	¼						WAIT ON ORDERS
9:00	9:30	½						LAY CORE BBL DOWN
9:30	10:00	½						PICK SUCCK SUB & REMER & STABILIZER
10:00	12:00	2						RUN IN HOLE WITH BIT NO 6

No. 962

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Lease / Well Name: PLACID WOOD W TATHLINA
Location: K Lsd. 48 Sec. 60 Twp. 40 Rge. 117 W. 00 M.
Date: MAR. 5 1968
Weather Condition: WARM F 50° Road Conditions: MUDDY
Nearest Town: HAY RIVER Water - Source: 6 CREEK Camp Distance from Rig: 300
Miles Hauled: 6 Pumped: — Reason for Extra L. Plant: STANDBY

OPERATOR: PLACID OIL CO.
Rig No.: 4 DWKS 1-12
Drill Pipe String: No. — Size —
Tool Joint: 3 3/4 O.D. Type Thd.: F.H

SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: O.R. Lelark.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-150-B	12"
2.	G. DENVER	FD-FXO	18"
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No. Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
8 3/4		24# J-55	6	170	12.30	185	

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	7 3/4	6 1/4	5 3/4
Reaming			
Conditioning Mud & Circulating			
Trips		1/2	2
Lubricate Rig	1/4	1/4	1/4
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other			
Fishing			

COMPLETION WORK

A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Total	8	8	8

TIME SUMMARY (Office Use Only)

Day Work			
Hrs. W/DP			
Hrs. WO/DP			
Hrs. Standby			
Total Day Work			

WIRE LINE RECORD

Reel No.
No. of Lites — Size
Feet Slipped
Feet Cut Off
Present Length
Ton Mi. or Trips Since Last Cut
Cumulative Ton Mi. or Trips
No. of Days From Spud
Cumulative Rotating Hrs.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
37	Stands D.P.	2308.99 Ft.
	Singles D.P.	Ft.
	D.C.	
	I.D. O.D.	Ft.
16	D.C. 2 1/4 6 1/4 I.D. O.D.	525.33 Ft.
1	Stb. Body O.D.	6.40 Ft.
1	Stb. Shock Body O.D.	11.35 Ft.
	Rmr. Body O.D.	Ft.
	Subs O.D.	Ft.
1	Bit ~~Sub~~ G.B.	2.95 Ft.
	Kelly Down	29.00 Ft.
	Total	2883 Ft.
Wt. of String	70,000	Lbs.
Pipe in Hole	74	Jts.
Pipe on Racks	37	Jts.
Total Pipe on Lease	111	Jts.

BIT RECORD

Bit No.	4	
Size	7 7/8	
Mfg.	REED	
Type	SS16J	
Nozzle No.	3	
Nozzle Size	2-14 1-16	
Ser. No.	46476	
Depth Out		
Depth In	2741	
Total Ftg.	142	
Total Hr. Run	14 1/4	
Cond. of Bit	IN	
Reamer No.		
Reamer Type		

MATERIAL CHARGED TO OPERATOR

MUD RECORD

Time	12.00	3.00	6.00
Weight	9.9	9.7	9.8
Visc.-Sec.	50	51	53
W.L.-C.C.	8.9	9.1	9.1
FL TR. CK.	2/32	2/32	2/32
PH	9.2	9.5	9.5
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
Gel-	800#		
Caustic	100#		

Driller: Jack Wenger

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2818	2883	65	D			75	40	1500	6"	65	6"		S

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	12 15	1/4						Rig Serv. + B.O.P. ck.
12 15	8 00	7 3/4						Drilling

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
38	Stands D.P.	2371.86 Ft.
	Singles D.P.	Ft.
	D.C.	
	I.D. O.D.	Ft.
18	D.C. 2 1/4 6 1/4 I.D. O.D.	575.33 Ft.
1	Stb. Body O.D.	6.40 Ft.
1	Stb. Shock Body O.D.	11.35 Ft.
	Rmr. Body O.D.	Ft.
	Subs O.D.	Ft.
1	Bit ~~Sub~~ G.B.	2.95 Ft.
	Kelly Down	14.01 Ft.
	Total	3932 Ft.
Wt. of String	70 000	Lbs.
Pipe in Hole	76	Jts.
Pipe on Racks	35	Jts.
Total Pipe on Lease	111	Jts.

BIT RECORD

Bit No.	4	
Size	7 7/8	
Mfg.	REED	
Type	SS16J	
Nozzle No.	2-18	
Nozzle Size	1-16	
Ser. No.	46476	
Depth Out	3932	
Depth In	2714	
Total Ftg.	191	
Total Hr. Run	20 1/2	
Cond. of Bit		
Reamer No.		
Reamer Type		

MATERIAL CHARGED TO OPERATOR

MUD RECORD

Time	8.00	11.00	
Weight	9.7	9.7	
Visc.-Sec.	51	50	
W.L.-C.C.	BH	80	
FL TR. CK.	2/32	~~2/32~~	
PH	9.5	~~9.5~~	
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: SWEEZEY

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2883	2932	49				75	40	700	6"	64	6"		

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
2690	3 1/2°							

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8.00	9.30	1 1/2						DRILLING
9.30	9.45	1/4						RIG SERVICE BOPS CHECKED
9.45	2.30	4 3/4						DRILLING
2.30	4.00	1 1/2						TRIP FOR BIT.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
39	Stands D.P.	2435.25 Ft.
	Singles D.P.	Ft.
	D.C.	
	I.D. O.D.	Ft.
18	D.C. 2 1/8 6 1/4 I.D. O.D.	525.33 Ft.
	D.C.	
	I.D. O.D.	Ft.
1	Stb. Body O.D.	6.40 Ft.
1	Stb. Shock Body O.D.	11.35 Ft.
	Rmr. Body O.D.	Ft.
	Subs O.D.	Ft.
1	Bit ~~Sub~~ G.B.	2.95 Ft.
	Kelly Down	34.72 Ft.
	Total	3016 Ft.
Wt. of String	72000	Lbs.
Pipe in Hole	78	Jts.
Pipe on Racks	33	Jts.
Total Pipe on Lease	111	Jts.

BIT RECORD

Bit No.	5	
Size	7 7/8	
Mfg.	SEC.	
Type	M4NGS	
Nozzle No.	1-2	
Nozzle Size	16-18	
Ser. No.	967163	
Depth Out		
Depth In	2932	
Total Ftg.	84	
Total Hr. Run	5 3/4	
Cond. of Bit		
Reamer No.		
Reamer Type		

MATERIAL CHARGED TO OPERATOR

MUD RECORD

Time	6.00	8.00	10.00
Weight	9.9	9.9	9.9
Visc.-Sec.	42	48	53
W.L.-C.C.	-	8.6	8.6
FL TR. CK.	-	2/32	2/32
PH	-	9.5	9.5
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
Hel Caustic	2400 50		

Driller: Bernie Hacek

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2932	3016	84	D			75	40	700	6"	67			

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
9.00	4.15	1/4						RIG SERVICE
4.15	4.45	1/2						FINISH OUT
4.45	6.00	1 1/4						RUN IN WITH BIT NO 6
6.00	6.15	1/4						PICK UP SINGLES CLEAN TO BOTTOM
6.15	12.00	5 3/4						DRILLING

No. 961

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Lease Well Name: PLACID WOOD W. TOTILLIUM K&R

Location — Lsd. 48 Sec. 60 Twp. 40 Rge. 17 W. 0.0 M.

Date: MAR. 4 1968

Weather Condition: F25° WARM | Road Conditions: MUDDY | Nearest Town: HAY RIVER | Water - Source | Miles Hauled: 6 | Pumped | Camp Distance from Rig: 200 | Reason for Extra L. Plant: STANDBY

OPERATOR: PLACID OIL CO.

Rig No. 4 | DWKS T-12 | Drill Pipe String No. | Size 4½ | Tool Joint 5¾ O.D. | Type Thd. F.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: O.R. Solank

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-250-B	12"
2.	C-DENVER	FO-FIO	10"
3.			

LAST CASING TUBING OR LINER	Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
	8 5/8	24 #55		6	770	12.30	145	

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	7½	4¼	6½
Reams			
Conditioning Mud & Circulating			
Trips		3	1
Lubricate Rig	¼	¼	¼
Deviation Survey	¼	¼	
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			¼
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other		¼	
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

TIMES SUMMA (Office Use Only)

Day Work	
Hrs. W/DP	
Hrs. WO/DP	
Hrs. Standby	
Total Day Work	

WIRE LINE RECORD

Reel No.	
No. of Lines	Size
Feet Slipped	
Feet Cut Off	
Present Length	
Ton Mi. or Trips Since Last Cut	
Cumulative Ton Mi. or Trips	
No. of Days From Spud	
Cumulative Rotating Hrs.	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
34	Stands D.P.	2121.39 Ft.
	Singles D.P.	Ft.
16	D.C. 3 7/8 I.D. 6¼ O.D.	464.29 Ft.
	D.C. I.D. O.D.	Ft.
1	Stb. Body 6¼ O.D.	6.40 Ft.
1	Stb. Body O.D.	11.35 Ft.
	Rmr. Body O.D.	Ft.
1	Subs 7/8 O.D.	2.62 Ft.
1	Bit or C.B.	2.95 Ft.
	Kelly Down	28.00 Ft.
	Total	2636.37 Ft.
Wt. of String	62000	Lbs.
Pipe in Hole	68	Jts.
Pipe on Racks	43	Jts.
Total Pipe on Lease	111	Jts.

BIT RECORD

Bit No.	3	
Size	7 7/8	
Mfg.	REED	
Type	ST3J	
Nozzle No.	3	
Nozzle Size	2-18 1-16	
Ser. No.	176589	
Depth Out		
Depth In	2114	
Total Ftg.	523	
Total Hr. Run	15 3/4	
Cond. of Bit	1N	
Reamer No.		
Reamer Type		

MATERIAL CHARGED TO OPERATOR

MUD RECORD

Time	2 PM	4 PM	7 PM
Weight	9.4	9.4	9.5
Visc.-Sec.	38	41	38
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
GEL -	160#		

Driller: Jack Wenger

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2431	2637	206	D			80-110	30-35	800	6"	78	6"		S

Deviation Record: Depth 2575 | Dev. 3° | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 PM	12 15	¼						RIG SERV. & B.O.P. ck.
12 15	5 PM	4¾						DRILLING
5 PM	5 15	¼						SURVEY
5 15	8 PM	2¾						DRILLING

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
35	Stands D.P.	2215.58 Ft.
1	Singles D.P.	Ft.
16	D.C. I.D. O.D.	464.29 Ft.
	D.C. I.D. O.D.	Ft.
1	Stb. Body O.D.	11.35 Ft.
1	Stb. Body O.D.	2.62 Ft.
1	Rmr. Body O.D.	6.40 Ft.
	Subs O.D.	Ft.
1	Bit or C.B.	2.95 Ft.
	Kelly Down	38.56 Ft.
	Total	2741 Ft.
Wt. of String	62000	Lbs.
Pipe in Hole	71	Jts.
Pipe on Racks	40	Jts.
Total Pipe on Lease	111	Jts.

BIT RECORD

Bit No.	3	4
Size	7 7/8	7 7/8
Mfg.	REED	REED
Type	ST3-J	SS16J
Nozzle No.	2-18	2-19
Nozzle Size	1-16	1-16
Ser. No.	176589	464176
Depth Out	2741	
Depth In	2114	2741
Total Ftg.	627	
Total Hr. Run	20	
Cond. of Bit		
Reamer No.		
Reamer Type		

MATERIAL CHARGED TO OPERATOR

MUD RECORD

Time	9 AM	11 AM	3 PM
Weight	9.6	9.7	
Visc.-Sec.	38	44	
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
GEL #	500		

Driller: L. SWEETEY

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2637	2741	104				90	25	850	6	74			

Deviation Record: Depth ~~2575~~ | Dev. | Direction | Depth 2680 | Dev. 3¾° | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
800	815	¼						DRILLING
815	845	½						RIG SERVICE BOPS CHECKED Lay Down WASHED PIPE
845	1115	2½						DRILLING
1115	1130	¼						SURVEY
1130	100	1½						DRILLING
100	245	1¾						TRIP FOR BIT. STRAP OUT
245	400	1¼						Run IN MAKE STABILIZER ON TOP NO 2 Collar

MEASURED COLLARS 46.3.71 — TALLY 464.29 — DIFF .38 — CORR MADE

MEASURED P. PE 2216.13 — TALLY 2214.94 — DIFF 1.19 — CORR MADE

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.		
36	Stands D.P.	2347.24 Ft.
	Singles D.P.	Ft.
3	D.C. I.D. O.D.	220.33 Ft.
	D.C. I.D. O.D.	Ft.
1	Stb. Body O.D.	11.35 Ft.
1	Stb. Body O.D.	6.40 Ft.
	Rmr. Body O.D.	Ft.
1	Subs O.D.	2.95 Ft.
	Bit or C.B.	Ft.
	Kelly Down	24.72 Ft.
	Total	2818.00 Ft.
Wt. of String	68000	Lbs.
Pipe in Hole	72	Jts.
Pipe on Racks	39	Jts.
Total Pipe on Lease	111	Jts.

BIT RECORD

Bit No.	4	
Size	7⅞	
Mfg.	REED	
Type	SS16J	
Nozzle No.	2 - 1	
Nozzle Size	18-16	
Ser. No.	464176	
Depth Out		
Depth In	2741	
Total Ftg.	77	
Total Hr. Run	6½	
Cond. of Bit		
Reamer No.		
Reamer Type		

MATERIAL CHARGED TO OPERATOR

MUD RECORD

Time	6:00 PM	8:00 PM	11:00 PM
Weight	9.9	9.9	9.9
Visc.-Sec.	46	48	50
W.L.-C.C.	12.4	8.8	8.8
FL TR. CK.	2/32	2/32	2/32
PH	8.0	8.0	8.0
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
Gel	1000		
CMC	150		
Caustic	100#		

Driller: Bernie Stack

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2741	2818	77	D			80	38	800	6½	74			S
						75	40	600	6½	65			S

Deviation Record: Depth | Dev. | Direction | Depth | Dev. | Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼						RIG SERVICE
4:15	5:15	1						RUN IN HOLE
5:15	6:30	1¼						2) REAMING
6:30	6:45	¼						FIX AIR LEAK
6:45	12:00	5¼						DRILLING

MAR 12 1968

No 960

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Lease Well Name PLACID WOOD W. TATHLINA K-48
Location K Lsd. 48 Sec. 60 Twp. 40 Rge. 17 W. 00M.
Date MAR. 3 1960
Weather Condition WARM Road Conditions MUDDY
Nearest Town HAY RIVER Water - Source ____ Miles Hauled 6 Pumped ____
Camp Distance from Rig 200' Reason for Extra L. Plant STANDBY

OPERATOR: PLACID OIL CO.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: D.R. Clark

Rig No. 4 DWKS T-12

Drill Pipe String: No. ____ Size 4½

Tool Joint 5¾ O.D. Type Thd. F.H.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	T-150-B	12"
2.	G- DENVER	FO-FXO	10"
3.			

LAST CASING TUBING OR LINER	Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
	8 5/8		24-555	6	170	12:30	145	

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	7 3/4	3 3/4	7 1/4
Reaming			
Conditioning Mud & Circulating			
Trips		2 1/2	
Lubricate Rig	1/4	1/4	1/4
Deviation Survey		1/4	1/2
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other		1 1/4	
Fishing			

COMPLETION WORK: A. Perforating; B. ____ing Trips; C. Swabbing; D. Testing; E. Additional

Totals	8	8	8

TIME SUMMARY (Office Use Only)

Day Work
Hrs. W/DP
Hrs. WO/DP
Hrs. Standby
Total Day Work

WIRE LINE RECORD

Reel No.
No. of Lines Size
Feet Slipped
Feet Cut Off
Present Length
Ton Mi. or Trips Since Last Cut
Cumulative Ton Mi. or Trips
No. of Days From Spud
Cumulative Rotating Hrs.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
24	Stands D.P.	1495.60 Ft.
1	Singles D.P.	30.82 Ft.
16	D.C. 2 7/8 I.D. 6 1/4 O.D.	464.29 Ft.
	D.C. I.D. O.D.	Ft.
1	Stb. Body 5 10/16 O.D.	11.35 Ft.
1	Stb. Body 6 1/4 O.D.	6.40 Ft.
	Rmr. Body O.D.	Ft.
1	Subs X/O O.D.	2.12 Ft.
1	Bit or Sub. 3 7/8 O.D.	2.95 Ft.
	Kelly Down	29.88 Ft.
	Total	2042 Ft.
Wt. of String	53,000	Lbs.
Pipe in Hole	49	Jts.
Pipe on Racks	62	Jts.
Total Pipe on Lease	111	Jts.

BIT RECORD		
Bit No.	2	
Size	7 7/8"	
Mfg.	REED	
Type	STJA-6	
Nozzle No.	3	
Nozzle Size	2-16 1-16	
Ser. No.	176159	
Depth Out		
Depth In	1220	
Total Ftg.	822	
Total Hr. Run	21 1/4	
Cond. of Bit	1N	
Reamer No.		
Reamer Type		

MATERIAL CHARGED TO OPERATOR

MUD RECORD			
Time	1:00	3:00	7:00
Weight	9.4	9.4	9.6
Visc.-Sec.	37	39	39
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
GEL-	2800#		

Driller Jack Wenger

FOOTAGE From	To	Fge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
1750	2042	292	D			100	30-35	500	6"	78	6"		S

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12 00	12 15	1/4						Rig Serv. + B.O.P. ck.
12 15	7 00	7 3/4						Drilling

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
26	Stands D.P.	1651.14 Ft.
1	Singles D.P.	Ft.
16	D.C. 2 7/8 I.D. 6 1/4 O.D.	464.29 Ft.
	D.C. I.D. O.D.	Ft.
C	Stb. Shock Body O.D.	11.35 Ft.
1	Stb. 6 1/4 Body O.D.	6.40 Ft.
1	Rmr. X6 Body O.D.	2.61 Ft.
	Subs O.D.	Ft.
	Bit or Sub. 3 7/8 O.D.	2.95 Ft.
	Kelly Down	13.47 Ft.
	Total	2152 Ft.
Wt. of String	56,000	Lbs.
Pipe in Hole	53	Jts.
Pipe on Racks	58	Jts.
Total Pipe on Lease	111	Jts.

BIT RECORD		
Bit No.	2	3
Size	7 7/8	7 7/8
Mfg.	REED	REED
Type	STJA-6	STJ-3
Nozzle No.	3	2-8
Nozzle Size	2-16 1-16	1-16
Ser. No.	176159	176589
Depth Out	2114	
Depth In	1220	2114
Total Ftg.	894	38
Total Hr. Run	19 1/4	1
Cond. of Bit		
Reamer No.		
Reamer Type		

MATERIAL CHARGED TO OPERATOR

MUD RECORD			
Time	9:00	12:00	
Weight	9.6		
Visc.-Sec.	36		
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
GEL	4000		

Driller L. SWEEZEY.

FOOTAGE From	To	Fge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2042	2114	72				90	30	600	6"	78	6		S
2114	2152	38											

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	2022	1 3/4°							

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	1/4						Rig Serv. + B.O.P. ck.
8:15	8:30	1/4						Drilling
8:30	8:45	1/4						Run Survey
8:45	11:15	2 1/2						Drilling
11:15	12:45	1 1/2						Trip for Bit.
12:45	1:30	3/4						Clean All Tanks
1:30	2:30	1						Run in with Bit.
2:30	3:00	1/2						Displace Hole with Mud
3:00	4:00	1						Drilling

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
	Stands D.P.	1872.56 Ft.
	Singles D.P.	31.60 Ft.
	D.C. I.D. O.D.	464.29 Ft.
	D.C. I.D. O.D.	Ft.
1	Stb. Shock Body O.D.	11.35 Ft.
	Stb. Body O.D.	6.40 Ft.
	Rmr. Body O.D.	2.62 Ft.
	Subs O.D.	Ft.
	Bit or Sub. O.D.	2.95 Ft.
	Kelly Down	39.25 Ft.
	Total	2431 Ft.
Wt. of String	60,000	Lbs.
Pipe in Hole	61	Jts.
Pipe on Racks	50	Jts.
Total Pipe on Lease	111	Jts.

BIT RECORD	
Bit No.	3
Size	7 7/8
Mfg.	REED
Type	STJ-3
Nozzle No.	2-1
Nozzle Size	18-16
Ser. No.	DG589
Depth Out	
Depth In	2114
Total Ftg.	317
Total Hr. Run	8 1/4
Cond. of Bit	
Reamer No.	
Reamer Type	

MATERIAL CHARGED TO OPERATOR

MUD RECORD			
Time	5:00	8:00	11:00
Weight	9.0	9.2	9.3
Visc.-Sec.	37	35	35
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
Gel	900		

Driller Bernie Jacob

FOOTAGE From	To	Fge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
2152	2431	279	D			100	30	700	6 1/2	77	6		S

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	2335	2 7/8°		2399	2 3/4°				

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	1/4						Rig Service
4:15	8:30	4 1/4						Drilling
8:30	8:45	1/4						Survey
8:45	11:45	3						Drilling
11:45	12:00	1/4						Survey

No. 959

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Lease Well Name: PLACID WOOD W TATHLINA K48 — Location: K48-60-40-117-00 — Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Date: MARCH 2 1968

Weather Condition: WARM — Road Conditions: MUDDY — Nearest Town: HAY RIVER — Water - Source: CREEK — Miles Hauled: 6 — Pumped: ___ — Camp Distance from Rig: 2 CC FT. — Reason for Extra L. Plant: STANDBY

OPERATOR: PLACID OIL COMPANY

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: D.R. Lelark

Rig No. 4 — DWKS 1-12

Drill Pipe String: No. 111 Size 4½ — Tool Joint 5½ O.D. — Type Thd. FH

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C 150	12
2.	C DENVER	FO-FLO	10
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
8 5/8		24 555	6	170	12.30	146	

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	3½	6¾	6¾
Reaming			
Conditioning Mud & Circulating			
Trips	3½	½	
Lubricate Rig	¼	¼	¼
Deviation Survey	¼	½	¾
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other	½		¼
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

TIME SUMMARY (Office Use Only)

Day Work
Hrs. W/DP
Hrs. WO/DP
Hrs. Standby
Total Day Work

WIRE LINE RECORD

Reel No.
No. of Lines — Size
Feet Slipped
Feet Cut Off
Present Length
Ton Mi. or Trips Since Last Cut
Cumulative Ton Mi. or Trips
No. of Days From Spud
Cumulative Rotating Hrs.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
11	Stands D.P.	689.63 Ft.
	Singles D.P.	Ft.
16	D.C. I.D. O.D.	464.29 Ft.
	D.C. I.D. O.D.	Ft.
	Stb. Body O.D.	6.40 Ft.
	Stb. Stuck Body O.D.	11.36 Ft.
	Rmr. Body O.D.	5.05 Ft.
	Subs O.D.	2.62 Ft.
	Bit or C.B.	2.95 Ft.
	Kelly Down	34.43 Ft.
	Total	1220 Ft.
Wt. of String	95000 Lbs.	
Pipe in Hole	22 Jts.	
Pipe on Racks	89 Jts.	
Total Pipe on Lease	111 Jts.	

BIT RECORD

Bit No.	1
Size	7 7/8
Mfg.	REED
Type	STR. 6
Nozzle No.	2 - 1
Nozzle Size	18 - 16
Ser. No.	196169
Depth Out	1220
Depth In	146
Total Ftg.	1074
Total Hr. Run	34¾
Cond. of Bit	
Reamer No.	
Reamer Type	

MATERIAL CHARGED TO OPERATOR

MUD RECORD

Time	12:00	4:00	7:00
Weight		8.8	
Visc.-Sec.		28	
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: Bernie Lacek

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
1012	1220	208	D			120	30	600	6½	76			

Deviation Record: Depth 1066 — Dev. 1½° — Direction

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼						RIG SERVICE
12:15	12:45	½						DRILLING
12:45	1:00	¼						SERVEY
1:00	1:30	½						CLEAN MUD TANKS
1:30	4:30	3						DRILLING
4:30	5:30	1						PULL OUT OF HOLE
5:30	9:00	2½						LAY REAMER DOWN 4 ONE WASHED OVER - RAN COLLARS IN HOLE
								CHANGE STABILIZER RUBBER AND PUT IN BETWEEN THE FIRST AND SECOND COLLAR

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
16	Stands D.P.	999.99 Ft.
1	Singles D.P.	31.70 Ft.
16	D.C. I.D. 6¼ O.D.	464.29 Ft.
	D.C. I.D. O.D.	Ft.
	Stb. Stuck Body O.D.	11.35 Ft.
	Stb. Body 6¾ O.D.	6.40 Ft.
	Rmr. Body O.D.	Ft.
	Subs O.D.	2.62 Ft.
	Bit or C.B. 5¾	2.95 Ft.
	Kelly Down	40.00 Ft.
	Total	1558.00 Ft.
Wt. of String	48,000 Lbs.	
Pipe in Hole	32 Jts.	
Pipe on Racks	78 Jts.	
Total Pipe on Lease	111 Jts.	

BIT RECORD

Bit No.	2
Size	7¾
Mfg.	REED
Type	STIAG
Nozzle No.	3 - 16
Nozzle Size	1 - 16
Ser. No.	176159
Depth Out	
Depth In	1220
Total Ftg.	338
Total Hr. Run	6¼
Cond. of Bit	1 NO
Reamer No.	
Reamer Type	

MATERIAL CHARGED TO OPERATOR

MUD RECORD

Time	10	12	3
Weight	8.3	8.7	8.6
Visc.-Sec.	28	28	28
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
WATER			

Driller: Jack Wenger

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
1220	1558	338	D			90	30	600	6	78	6		5

Deviation Record: Depth 1266' — Dev. 1¼° — Direction 1420

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	1°							

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	9:00	¼						RIG SERV. 48 O.P.C.
8:15	8:45	½						RUN IN
8:45	9:15	½						DRILLING
9:15	9:30	¼						SURVEY
9:30	12:30	3						DRILLING
12:30	12:45	¼						SURVEY
12:45	4:00	3¼						DRILLING

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR	
20	Stands D.P.	1249.82 Ft.
	Singles D.P.	Ft.
16	D.C. I.D. 6¼ O.D.	464.29 Ft.
	D.C. I.D. O.D.	Ft.
	Stb. Stuck Body O.D.	11.35 Ft.
	Stb. Body 6¾ O.D.	6.40 Ft.
	Rmr. Body O.D.	Ft.
	Subs O.D.	2.62 Ft.
	Bit or C.B.	2.95 Ft.
	Kelly Down	12.79 Ft.
	Total	1750 Ft.
Wt. of String	52000 Lbs.	
Pipe in Hole	40 Jts.	
Pipe on Racks	71 Jts.	
Total Pipe on Lease	111 Jts.	

BIT RECORD

Bit No.	2
Size	7¾
Mfg.	REED
Type	STIAG
Nozzle No.	2 - 18
Nozzle Size	1 - 16
Ser. No.	176159
Depth Out	
Depth In	1220
Total Ftg.	530
Total Hr. Run	13½
Cond. of Bit	Bear.
Reamer No.	
Reamer Type	

MATERIAL CHARGED TO OPERATOR

MUD RECORD

Time	4:00	7:00	10:00
Weight	8.6	8.8	8.9
Visc.-Sec.	28	30	32
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Conc. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
Gyp.	4000		
WATER.			

Driller: L. SWEETEY

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
1558	1750	192	D			90	30	450	6	78	6		5

Deviation Record: Depth 1683 — Dev. 1½° — Direction

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:15	¼						RIG SERVICE
4:15	4:45	½						DRILLING
4:45	5:00	¼						CLEAN SUCTION TANK. MIX MUD.
5:00	9:45	4¾						DRILLING
9:45	10:30	¾						SERVEY EBH - STUCK
10:30	12:00	1½						DRILLING.

No. 958

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Lease Well Name: PLACID HUSKY WAINWRIGHT 48-60-40-117-W4M
Location — Lsd. — Sec. — Twp. — Rge. — W. — M.
Date: MARCH 1 1965

Weather Condition: +25° WARM | Road Conditions: FAIR | Nearest Town: HAY RIVER | Water - Source: CREEK | Miles Hauled: — | Pumped: — | Camp Distance from Rig: 200 FT | Reason for Extra L. Plant: STAND

OPERATOR: PLACID OIL COMPANY

Rig No. 4 DWKS T12 | Drill Pipe String No. III Size 4½ | Tool Joint Type Thd. 5½ O.D. FH

SIGNATURE OF OPERATOR'S REPRESENTATIVE: J Kendrick

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: O.R. Clark.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C 150	12
2.	G DENVER	FX-FXS	10
3.			

	Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
LAST CASING	8⅝		24 J55	6	170	12'3.0	145	
TUBING OR LINER								

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	7¾	7¼	7¼
Reaming			
Circulating Mud & Conditioning			
Trip			
Lubricate Rig	¼	¼	¼
Deviation Survey		½	¼
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Drill Stem Test			
Other			¼
Fishing		¼	
COMPLETION WORK: A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

TIME SUMMARY (Office Use Only)

Day Work	
Hrs. W/DP	
Hrs. WO/DP	
Hrs. Standby	
Total Day Work	

WIRE LINE RECORD

Reel No.
No. of Lines — Size
Feet Slipped
Feet Cut Off
Present Length
Ton Mi. of Trips Since Last Cut
Cumulative Ton Mi. of Trips
No. of Days From Spud
Cumulative Rotating Hrs.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	Stands D.P.	Ft.	Bit No.	1
	Singles D.P.	Ft.	Size	7⅞
12	D.C. I.D. O.D.	353.70 Ft.	Mfg.	REED
	D.C. I.D. O.D.	Ft.	Type	STIA-C
	Stb. Body O.D.	6.40 Ft.	Nozzle No.	2 - 1
	Stb. Sheet Body Sect. O.D.	11.35 Ft.	Nozzle Size	8 - 16
	Rmr. Body O.D.	5.05 Ft.	Ser. No.	176153
	Subs O.D.	2.62 Ft.	Depth Out	~~245~~
	Bit or C.B.	2.95 Ft.	Depth In	145
	Kelly Down	27.87 Ft.	Total Ftg.	265
	Total	410 Ft.	Total Hr. Run	16½
Wt. of String	32,000	Lbs.	Cond. of Bit	
Pipe in Hole	0	Jts.	Reamer No.	
Pipe on Racks	111	Jts.	Reamer Type	
Total Pipe on Lease	111	Jts.	MATERIAL CHARGED TO OPERATOR	

MUD RECORD			
Time	8:00	4:00	7:00
Weight	8.3	8.3	8.3
Visc.-Sec.	28	28	28
W.L.-C.C.	—		
FL TR. CK.	—		
PH	—		
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: Bernie Bocek.

FOOTAGE From	To	Fage.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
260	410	150				110	20,000	500	6½	85			

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼						RIG SERVICE
12:15	8:00	7¾						DRILLING.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
3	Stands D.P.	187.07 Ft.	Bit No.	1
—	Singles D.P.	Ft.	Size	7⅞
16	D.C. I.D. 6¼ O.D.	464.29 Ft.	Mfg.	REED
	D.C. I.D. O.D.	Ft.	Type	STIA-C
	Stb. Body 6¼ O.D.	6.40 Ft.	Nozzle No.	3
	Stb. Sheet Body O.D.	11.35 Ft.	Nozzle Size	2-18 1-16
	Rmr. Body 6¼ O.D.	5.05 Ft.	Ser. No.	176158
	Subs 4½ O.D.	2.62 Ft.	Depth Out	
	Bit 3⅞ C.B.	2.95 Ft.	Depth In	745
	Kelly Down	30.80 Ft.	Total Ftg.	565
	Total	710. Ft.	Total Hr. Run	23¾
Wt. of String	40,000	Lbs.	Cond. of Bit	IN
Pipe in Hole	6	Jts.	Reamer No.	
Pipe on Racks	105	Jts.	Reamer Type	
Total Pipe on Lease	111	Jts.	MATERIAL CHARGED TO OPERATOR	

MUD RECORD			
Time	8:00	10:00	2:00
Weight	8.4	8.4	8.4
Visc.-Sec.	28	28	28
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: Jack Wenger

FOOTAGE From	To	Fage.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
410	710	300	D			110	35	500	6"	75	6"		5
						120	35	500	6"	78	6"		

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	560	2¾	~~S~~	670	2°				

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼						RIG SERV. & B.O.P. ck.
8:15	12:15	4						DRILLING
12:15	12:30	¼						SURVEY
12:30	3:30	3						DRILLING 7⅞ HOLE
3:30	3:45	¼						SURVEY
3:45	4:00	¼						DRILLING

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
8	Stands D.P.	501.80 Ft.	Bit No.	1
—	Singles D.P.	Ft.	Size	7⅞
16	D.C. I.D. 6¼ O.D.	464.29 Ft.	Mfg.	REED
	D.C. I.D. O.D.	Ft.	Type	STIAC
	Stb. Body 6¼ O.D.	6.40 Ft.	Nozzle No.	3
	Stb. Sheet Body O.D.	11.35 Ft.	Nozzle Size	2-18 1-16
	Rmr. Body 6¼ O.D.	5.05 Ft.	Ser. No.	176158
	Subs 4½ O.D.	2.62 Ft.	Depth Out	
	Bit 3⅞ C.B.	2.95 Ft.	Depth In	745
	Kelly Down	19.00 Ft.	Total Ftg.	867
	Total	1012 Ft.	Total Hr. Run	31
Wt. of String	43,000	Lbs.	Cond. of Bit	IN
Pipe in Hole		Jts.	Reamer No.	
Pipe on Racks		Jts.	Reamer Type	
Total Pipe on Lease	111	Jts.	MATERIAL CHARGED TO OPERATOR	

MUD RECORD			
Time	4:00	6:00	11:00
Weight	8.4	8.4	8.8
Visc.-Sec.	28	28	28
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
12 SKS SAWDUST			

Driller: Jack Wenger

FOOTAGE From	To	Fage.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
~~710~~	~~890~~		D			120	35	550	6"	78	6"		5
710	1012	302	D										

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction
	870	1¾°							

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:30	½						DRILLING
4:30	4:45	¼						RIG SERV. & B.O.P. ck.
4:45	5:00	¼						REPLACE SUCTION ON DESANDER
5:00	8:45	3¾						DRILLING
8:45	9:00	¼						SURVEY
9:00	12:00	3						DRILLING

LOOSEING FLUID TO FORMATION

No. 957

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Lease Well Name: PLACID CWOD W. TAPHOUSE K-48-60-10 117-60

Location: Lsd. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Date: FEB 29 1968

Weather Condition: 30 WARM | Road Conditions: WET | Nearest Town: HAY RIVER | Water-Source: CREEK | Miles Hauled: 6 | Pumped: ___ | Camp Distance from Rig: 200 ft | Reason for Extra L. Plant: STANDBY

OPERATOR: PLACID OIL COMPANY

Rig No.: DWKS 712

Drill Pipe String: No. 111 | Size 4½

Tool Joint: 5½ O.D. | Type Thd. FH

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: O.R. Clark

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C 150	12
2.	6 DENVER	FA-FDA	
3.	F		

LAST CASING / TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
8 5/8		24 J55	6	170	12-3"	145	

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual		5	7¾
Reaming			
Conditioning Mud & Circulating			
Trips			
Lubricate Rig			¼
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Stem Test			
Other		4	
Fishing		8	8

COMPLETION WORK

A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals			

TIME SUMMARY (Office Use Only)

Day Work	
Hrs. W/DP	
WO/DP	
Hrs. Standby	
Total Day Work	

WIRE LINE RECORD

Reel No.

No. of Lines ___ Size

Feet Slipped

Feet Cut Off

Present Length

Tons Mi. or Trips Since Last Cut

Cumulative Tons Mi. or Trips

No. of Days From Spud

Cumulative Rotating Hrs.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	Stands D.P.	Ft.	Bit No.	
	Singles D.P.	Ft.	Size	
	D.C. I.D. O.D.	Ft.	Mfg.	
			Type	
	D.C. I.D. O.D.	Ft.	Nozzle No. / Size	
	Stb. Body O.D.	Ft.	Ser. No.	
	Stb. Body O.D.	Ft.	Depth Out	
	Rmr. Body O.D.	Ft.	Depth In	
	Subs O.D.	Ft.	Total Ftg.	
	Bit or C.B.	Ft.	Total Hr. Run	
	Kelly Down	Ft.	Cond. of Bit	
	Total	Ft.	Reamer No.	
Wt. of String		Lbs.	Reamer Type	
Pipe in Hole		Jts.	MATERIAL CHARGED TO OPERATOR	
Pipe on Racks		Jts.		
Total Pipe on Lease		Jts.		

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: Bernie Hack

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	2:00	2						HEAD UP.
2:00	2:30	½						PRESS UP BLIND RAMS. OK. AT 1000 PSI
2:30	3:00	½						RIG UP TO DRILL MOUSE HOLE
3:00	4:00	1						DRILL & MOUSE HOLE
4:00	8:00	4						WORK ON PUMP, TO PUMP WATER BACK IN TANKS FROM SUMP

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	Stands D.P.	Ft.	Bit No.	1
	Singles D.P.	Ft.	Size	7 7/8
3	D.C. 6¼ I.D. O.D.	84.50 Ft.	Mfg.	REED
			Type	STIA-G
	Stb. 6¼ Body O.D.	6.40 Ft.	Nozzle No.	3
	Stb. 10 Body O.D.	2.62 Ft.	Size	28 1-16
	Rmr. 6¼ Body O.D.	6.05 Ft.	Ser. No.	176158
	Stock O.D.	11.35 Ft.	Depth Out	
	Bit or C.B. 508	2.95 Ft.	Depth In	145
	Kelly Down	39.93 Ft.	Total Ftg.	7
	Total	162.1 Ft.	Total Hr. Run	1
Wt. of String	50,000	Lbs.	Cond. of Bit	1N
Pipe in Hole	0	Jts.	Reamer No.	
Pipe on Racks	111	Jts.	Reamer Type	
Total Pipe on Lease	111	Jts.	MATERIAL CHARGED TO OPERATOR	

MUD RECORD

Time	2:00
Weight	8.3
Visc.-Sec.	28
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: Jack Wenger

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
145	152	7	D			110	5,000	400	6"	75	C		5

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	10:00	2						PRESS UP PIPE RAMS & HYDRIL. OK AT 1000 PSI
10:00	10:30	½						DIG MOUSE HOLE
10:30	11:00	½						WELD SPROCKET ON MOUSE HOLE DIGGER
11:00	12:30	1½						DIGG MOUSE HOLE
12:30	1:30	1						RUN IN, PICK UP REAMER & STABILIZER
1:30	2:00	½						WORK ON #2 SUCTION
2:00	3:00	1						DRILLING CEMENT, PLUG, & SHOE
3:00	4:00							DRILLING 7 7/8" HOLE

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	Stands D.P.	Ft.	Bit No.	1
	Singles D.P.	Ft.	Size	7 7/8
7	D.C. 6¼ I.D. O.D.	204.08 Ft.	Mfg.	REED
			Type	STIA-G-J
	D.C. I.D. O.D.	Ft.	Nozzle No.	3 3-16 1-16
	Stb. 6¼ Body O.D.	6.40 Ft.	Ser. No.	176158
	Stb. Stock Body O.D.	11.35 Ft.	Depth Out	
	Rmr. 6¼ Body O.D.	5.05 Ft.	Depth In	145
	Subs 10 O.D.	2.62 Ft.	Total Ftg.	115
	Bit or C.B. 508	2.95 Ft.	Total Hr. Run	8 3/4
	Kelly Down	28.55 Ft.	Cond. of Bit	1N
	Total	260.00 Ft.	Reamer No.	
Wt. of String	20,000	Lbs.	Reamer Type	
Pipe in Hole	0	Jts.	MATERIAL CHARGED TO OPERATOR	
Pipe on Racks	101	Jts.		
Total Pipe on Lease	111	Jts.		

MUD RECORD

Time	6:00	8:00	10:00
Weight	8.3	8.3	8.3
Visc.-Sec.	28	28	28
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
BICARBONATE OF SODA	200		

Driller: Less Sweezey

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
152	260	108	D			110	20,000	400	6"	76	6		5

Deviation Record

Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2:00	4:15	¼						RIG SERV. & B.O.P. ck
4:15	12:00	7¾						DRILLING

No. 956

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Lease Well Name PLACID GRIFFEN TWINNIE WELL — Date FEB 28 1967

Location — Lsd. ~~Rng~~ — Sec. — Twp. — Rge. — W. — M. — 6-60-20W/17-60

Weather Condition B5 WARM — Road Conditions FAIR — Nearest Town HALKIRK — Water - Source CREEK — Miles Hauled 6 — Pumped — Camp Distance from Rig 200 FT. — Reason for Extra L. Plant STANDBY

OPERATOR: PLACID OIL COMPANY

SIGNATURE OF OPERATOR'S REPRESENTATIVE: J. Rasmussen

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: D. R. Clark

Rig No. DWKS — Drill Pipe String No. III Size 4½ — Tool Joint 5 3/4 O.D. Type Thd. FH

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL C-150-B	C-150	12
2.	G DENVER D-700	F.E.	10
3.	~~F. E.~~		

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
8 5/8		24 - J55	6	170	1230	145	

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down	~~1½~~		
Drilling Actual			
Reaming	7	3	
Conditioning Mud & Circulating		1/4	
Trips	1/2	1/2	
Lubricate Rig	1/4	1/4	
Deviation Survey	1/4		
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing		2	
Waiting on Cement		2	~~8~~
Stem Test			
Other			
Fishing			

COMPLETION WORK

A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	6	8	8

TIME SUMMARY (Office Use Only)

Day Work

Hrs. W/DP

WO/DP

Hrs. Standby

Total Day Work

WIRE LINE RECORD

Reel No.

No. of Lines — Size

Feet Slipped

Feet Cut Off

Present Length

Ton Mi. or Trips Since Last Cut

Cumulative Ton Mi. or Trips

No. of Days From Spud

Cumulative Rotating Hrs.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	Stands D.P.		Ft.
	Singles D.P.		Ft.
3	D.C. I.D. O.D.	97.62	Ft.
2	D.C. I.D. O.D.	60.15	Ft.
	Stb. Body O.D.		Ft.
	Stb. Body O.D.	2.95	Ft.
	Rmr. Body O.D.		Ft.
	Subs Shock O.D.	11.35	Ft.
	Bit or C.B.	2.62	Ft.
	Kelly Down	38.93	Ft.
	Total	~~118~~ 116	Ft.

Wt. of String 5600 Lbs. — Pipe in Hole 6 Jts. — Pipe on Racks 111 Jts. — Total Pipe on Lease 111 Jts.

BIT RECORD

Bit No.	2
Size	12¼
Mfg.	SEC ~~REED~~
Type	S-3
Nozzle No.	
Nozzle Size	
Ser. No.	908241
Depth Out	
Depth In	0
Total Ftg.	118
Total Hr. Run	7
Cond. of Bit	
Reamer No.	
Reamer Type	

MATERIAL CHARGED TO OPERATOR

MUD RECORD

Time	1.00	3.00	7.00
Weight	9.2	9.2	9.2
Visc.-Sec.	46	46	49
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller Bernie Jack

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
0	118	118	R			120	5UK.	200	6½	26	6		S

Deviation Record: Depth 144 — Dev. 1° — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼						SURVEY
12:15	12:30	¼						RIG SERVICE
12:30	1:00	½						PULL OUT TO CHANGE BITS 8 3/4 to 12¼
1:00	8:00	7						REAM.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	Stands D.P.		Ft.
	Singles D.P.		Ft.
4	D.C. I.D. O.D.	114.89	Ft.
	D.C. Shock I.D. O.D.	11.35	Ft.
	Stb. Body O.D.	2.95	Ft.
	Stb. Body O.D.	2.62	Ft.
	Rmr. Body O.D.		Ft.
	Subs O.D.		Ft.
	Bit or C.B.		Ft.
	Kelly Down	13.89	Ft.
	Total	145	Ft.

Wt. of String 5,000 Lbs. — Pipe in Hole 0 Jts. — Pipe on Racks 111 Jts. — Total Pipe on Lease 111 Jts.

BIT RECORD

Bit No.	2
Size	12¼
Mfg.	SEC
Type	S-3
Nozzle No.	
Nozzle Size	
Ser. No.	908241
Depth Out	145
Depth In	0
Total Ftg.	145
Total Hr. Run	10
Cond. of Bit	
Reamer No.	
Reamer Type	

MATERIAL CHARGED TO OPERATOR

MUD RECORD

Time			
Weight			
Visc.-Sec.			
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
118	145	27	R			120	5UK.	200	6½	26	6		S

Deviation Record: Depth — Dev. — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	12:15	¼						
8:00	8:15	¼						RIG SERVICE
8:15	11:15	3						REAM
11:15	11:30	¼						CIRC.
11:30	12:00	½						PULL OUT TO RUN CASING & LAY DOWN S.S.
12:00	1:00	1						RIG UP & RUN 6 JTS. 8⅝" CSG.
1:00	2:00	1						CIRC. & CEMENT CSG.
2:00	4:00	2						[redacted], D.C. CELLAR

RAN 6 JTS. (170') OF 8⅝ 24# J-55 STC CSG. LANDED ON BTM AT 145 K.B. CEMENTED WITH 125 SKS. CEMENT PLUS 4% CACL2 PLUG DOWN AT 2.00 PM FEB 28/68. WITH 925# PSI. HAD 3 BARRELS CEMENT RETURNS AT SURFACE

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		
	Stands D.P.		Ft.
	Singles D.P.		Ft.
4	D.C. 6¼ I.D. O.D.	114.89	Ft.
	D.C. Shock I.D. O.D.	11.35	Ft.
	Stb. Body O.D.	2.95	Ft.
	Stb. Body O.D.	2.62	Ft.
	Rmr. Body O.D.		Ft.
	Subs O.D.		Ft.
	Bit or C.B.		Ft.
	Kelly Down	13.89	Ft.
	Total	145	Ft.

Wt. of String 5,000 Lbs. — Pipe in Hole 0 Jts. — Pipe on Racks 111 Jts. — Total Pipe on Lease 111 Jts.

BIT RECORD

Bit No.	
Size	
Mfg.	
Type	
Nozzle No.	
Nozzle Size	
Ser. No.	
Depth Out	
Depth In	
Total Ftg.	
Total Hr. Run	
Cond. of Bit	
Reamer No.	
Reamer Type	

MATERIAL CHARGED TO OPERATOR

MUD RECORD

Time			
Weight			
Visc.-Sec.			
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C
145													

Deviation Record: Depth — Dev. — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	6:00	2						[redacted]. D.C. CELLAR CUT OFF
								CONDUCTOR PIPE & CASING
6.00	8.00	2						WELD ON CASING BOWL
8.00	12.00	4						INSTALL & HEAD UP BOPS

No. 955

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Lease Well Name PLACID ~~Crested~~ TATHLINA LK
Location — Lsd. ~~48~~ 60° 40' 117° 00' Sec. — Twp. — Rge. — W. — M.

Date FEB 27 1966

Weather Condition O.D. T/0° Road Conditions FAIR Nearest Town HAY RIVER Water - Source CREEK Miles Hauled 6 Pumped — Camp Distance from Rig 200 FT Reason for Extra L. Plant STANDBY

OPERATOR: PLACID OIL COMPANY

Rig No. 4 DWKS RAT T-12 | Drill Pipe String No. 111 Size 4½ | Tool Joint 5 3/4 O.D. Type Thd. F.H.

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: O.R. Lelak

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C 150 B	12
2.	GARDNER DENVER	FO FXO	10
3.			

LAST CASING TUBING OR LINER

Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual	5½	16½	3
Reaming			
Conditioning Mud & Circulating			
Trips		¼	¼
Lubricate Rig			
Deviation Survey		½	
Test B.O.P.			
Cut-Off Drilling Line			
Repair Rig		¾	
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Stem Test			
Other	2½		4¾
Fishing			
COMPLETION WORK A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals	8	8	8

TIME SUMMARY (Office Use Only)

Day Work
Hrs. W/DP
WO/DP
Hrs. Standby
Total Day Work

WIRE LINE RECORD

Reel No.
No. of Lines Size
Feet Slipped
Feet Cut Off
Present Length
Ton Mi. or Trips Since Last Co.
Cumulative Ton Mi. or Trips
No. of Days From Spud
Cumulative Rotating Hrs.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	Stands D.P.	Ft.	Bit No.	1
	Singles D.P.	Ft.	Size	8 3/4
1	D.C. 2 23 6¼ I.D. O.D.	3039 Ft.	Mfg.	EDECO
	D.C. I.D. O.D.	Ft.	Type	MHC
	Stb. Body O.D.	Ft.	Nozzle No. / Size	
	Stb. Body O.D.	Ft.	Ser. No.	62041
	Rmr. Body O.D.	Ft.	Depth Out	
	Sub O.D.	262 Ft.	Depth In	0
	Bit or C.B.	295 Ft.	Total Ftg.	70
	Kelly Down	3404 Ft.	Total Hr. Run	5½
	Total	70. Ft.	Cond. of Bit	
Wt. of String		Lbs.	Reamer No.	
Pipe in Hole		Jts.	Reamer Type	
Pipe on Racks		Jts.	MATERIAL CHARGED TO OPERATOR	
Total Pipe on Lease	111	Jts.		

MUD RECORD

Time	3:00	6:00	
Weight			
Visc.-Sec.	45	50	
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.
GEL	3600		

Driller: H. SWEET 25 4

FOOTAGE From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	S.P.M.	Pump No. 2 Liner Size	S.P.M.	Method Run SGL-S Par'el-P Com'd-C
0	70	70	D			45		200	6	75	6		5

Deviation Record: Depth — Dev. — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	100	1						FINISH RAT HOLE.
100	230	1½						MIX MUD.
230	800	5½						DRILL 8¾ PILOT HOLE.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	Stands D.P.	Ft.	Bit No.	1
	Singles D.P.	Ft.	Size	8 3/4
3	D.C. I.D. O.D.	87.62 Ft.	Mfg.	EDECO
	D.C. I.D. O.D.	Ft.	Type	MHC
	Stb. Body O.D.	Ft.	Nozzle No. / Size	
	Stb. Body O.D.	Ft.	Ser. No.	62041
	Rmr. Body O.D.	Ft.	Depth Out	
	Subs O.D.	2.62 Ft.	Depth In	0
	Bit or C.B.	2.95 Ft.	Total Ftg.	122
	Kelly Down	31.81 Ft.	Total Hr. Run	2.
	Total	125.00 Ft.	Cond. of Bit	
Wt. of String	3000	Lbs.	Reamer No.	
Pipe in Hole	6	Jts.	Reamer Type	
Pipe on Racks	111	Jts.	MATERIAL CHARGED TO OPERATOR	
Total Pipe on Lease	111	Jts.		

MUD RECORD

Time	9:00	12:00	3:00
Weight			
Visc.-Sec.	42	45	45
W.L.-C.C.			
FL TR. CK.			
PH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: Bernie Hood

FOOTAGE From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	S.P.M.	Pump No. 2 Liner Size	S.P.M.	Method Run SGL-S Par'el-P Com'd-C
70	125	55	D			120	6	300	6½	75	6		5

Deviation Record: Depth 75' — Dev. 1° — Direction 105 — Depth 1° — Dev. — Direction — Depth — Dev. — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	8:15	¼						RIG SERVICE
8:15	10:15	2.						DRILLING
10:15	10:30	¼						SERVEY
10:30	11:45	1¼						DRILLING
11:45	12:00	¼						WELD ON CONDUCTOR BARREL
12:00	1:30	1½						DRILLING
1:30	1:45	¼						SERVEY
1:45	2:30	¾						DRILLING.
2:30	3:00	½						WELD ON CONDUCTOR BARREL
3:00	4:00	1						DRILLING

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	Stands D.P.	Ft.	Bit No.	1-A
	Singles D.P.	Ft.	Size	8¾
2	D.C. I.D. O.D.	87.62 Ft.	Mfg.	EDECO
	D.C. I.D. O.D.	Ft.	Type	MHC
	Stb. Shock Body O.D.	11.35 Ft.	Nozzle No. / Size	CONV.
	Stb. Body O.D.	Ft.	Ser. No.	62041
	Rmr. X/O Body O.D.	2.62 Ft.	Depth Out	145
	Subs Bit S.S.	2.95 Ft.	Depth In	0
	Bit or C.B.	Ft.	Total Ftg.	145
	Kelly Down	40.40 Ft.	Total Hr. Run	15
	Total	145.00 Ft.	Cond. of Bit	1-1
Wt. of String	5,000	Lbs.	Reamer No.	
Pipe in Hole	—	Jts.	Reamer Type	
Pipe on Racks	111	Jts.	MATERIAL CHARGED TO OPERATOR	
Total Pipe on Lease	111	Jts.		

MUD RECORD

Time	4:30	10:00	
Weight			
Visc.-Sec.	45	50	
W.L.-C.C.			
FL TR. CK.			
FH			
SD. Cont. %			
Pressure Gradient			

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller: Jack Wenger

FOOTAGE From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	S.P.M.	Pump No. 2 Liner Size	S.P.M.	Method Run SGL-S Par'el-P Com'd-C
125	145	20	D			90-150	5,000	250	6"	75	6¾		

Deviation Record: Depth — Dev. — Direction — Depth — Dev. — Direction — Depth — Dev. — Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	4:30	½						DRILLING 8¾" HOLE
4:30	9:15	4¾						REPAIR CONDUTOR BARREL
9:15	9:20	¼						RUN IN
9:30	12:00	2½						DRILLING 8¾" HOLE

No. 954

GUTHRIE McLAREN Drilling Ltd.

DAILY DRILLING REPORT

Lease Well Name PLACID ~~Operated~~ W3W4 TATHLINA LK
~~Farm~~ K45 60° ~~Lease~~ 117° 00'
Location — Lsd. — Sec. — Twp. — Rge. — W. — M.

Date FEB. 26 1968

Weather Condition MILD | Road Conditions GOOD | Nearest Town HAY RIVER | Water - Source CREEK | Miles Hauled — | Pumped — | Camp Distance from Rig 200 FT | Reason for Extra L. Plant STANDBY

OPERATOR: PLACID OIL Co.

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: O. P. Clark.

Rig No. 4 DWKS ART T-12 | Drill Pipe String No. 111 Size 4½ | Tool Joint Type Thd. F.H. 5¾ O.D.

PUMPS

No.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-150 B	12
2.	GARDNER DENVER	FO-FXO	10
3.			

	Size	Make	Wt. & Gr.	No Joints	Feet	RKB. to CSG. HD.	Set at	Remarks
LAST CASING								
TUBING								
OR LINER								

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
Rig Up & Tear Down			
Drilling Actual			
Reaming			
Conditioning Mud & Circulating			
Trips			
Lubricate Rig			
Deviation Survey			
Test B.O.P.			
Cut Off Drilling Line			
Repair Rig			
Coring			
Wire Line Logging			
Running Casing & Cementing			
Waiting on Cement			
Stem Test			
Other			
Fishing			

COMPLETION WORK

A. Perforating			
B. Tubing Trips			
C. Swabbing			
D. Testing			
E. Additional			
Totals			

TIME SUMMARY (Office Use Only)

Day Work			
Hrs. W/DP			
WO/DP			
Hrs. Standby			
Total Day Work			

WIRE LINE RECORD

Reel No.
No. of Lines Size
Feet Slipped
Feet Cut Off
Present Length
Ton Mi. or Trips Since Last Cut
Cumulative Ton Mi. or Trips
No. of Days From Spud
Cumulative Rotating Hrs.

MORNING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	Stands D.P.	Ft.	Bit No.	
	Singles D.P.	Ft.	Size	
	D.C. I.D. O.D.	Ft.	Mfg.	
	D.C. I.D. O.D.	Ft.	Type	
	Stb. Body O.D.	Ft.	Nozzle No. / Size	
	Stb. Body O.D.	Ft.	Ser. No.	
	Rmr. Body O.D.	Ft.	Depth Out	
	Subs O.D.	Ft.	Depth In	
	Bit or C.B.	Ft.	Total Ftg.	
	Kelly Down	Ft.	Total Hr. Run	
	Total	Ft.	Cond. of Bit	
Wt. of String		Lbs.	Reamer No.	
Pipe in Hole		Jts.	Reamer Type	
Pipe on Racks		Jts.	MATERIAL CHARGED TO OPERATOR	
Total Pipe on Lease		Jts.		

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller L. SWEETZEY

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
								MOVE RIG RIG UP.

DAY TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	Stands D.P.	Ft.	Bit No.	
	Singles D.P.	Ft.	Size	
	D.C. I.D. O.D.	Ft.	Mfg.	
	D.C. I.D. O.D.	Ft.	Type	
	Stb. Body O.D.	Ft.	Nozzle No. / Size	
	Stb. Body O.D.	Ft.	Ser. No.	
	Rmr. Body O.D.	Ft.	Depth Out	
	Subs O.D.	Ft.	Depth In	
	Bit or C.B.	Ft.	Total Ftg.	
	Kelly Down	Ft.	Total Hr. Run	
	Total	Ft.	Cond. of Bit	
Wt. of String		Lbs.	Reamer No.	
Pipe in Hole		Jts.	Reamer Type	
Pipe on Racks		Jts.	MATERIAL CHARGED TO OPERATOR	
Total Pipe on Lease		Jts.		

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller Bernie Lacek

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
								MOVE RIG & RIG UP.

EVENING TOUR

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD	
	Stands D.P.	Ft.	Bit No.	
	Singles D.P.	Ft.	Size	
	D.C. I.D. O.D.	Ft.	Mfg.	
	D.C. I.D. O.D.	Ft.	Type	
	Stb. Body O.D.	Ft.	Nozzle No. / Size	
	Stb. Body O.D.	Ft.	Ser. No.	
	Rmr. Body O.D.	Ft.	Depth Out	
	Subs O.D.	Ft.	Depth In	
	Bit or C.B.	Ft.	Total Ftg.	
	Kelly Down	Ft.	Total Hr. Run	
	Total	Ft.	Cond. of Bit	
Wt. of String		Lbs.	Reamer No.	
Pipe in Hole		Jts.	Reamer Type	
Pipe on Racks		Jts.	MATERIAL CHARGED TO OPERATOR	
Total Pipe on Lease		Jts.		

MUD RECORD

Time	
Weight	
Visc.-Sec.	
W.L.-C.C.	
FL TR. CK.	
PH	
SD. Cont. %	
Pressure Gradient	

Mud & Chemicals Added

Type	Amt.	Type	Amt.

Driller Jack Wenger

FOOTAGE

From	To	Ftge.	DR-D RM-R Core-C	Core No.	FORMATION (SHOW CORE RECOVERY)	Rotary RPM	Wt. on Bit 1000 Lbs.	Pump Press	Pump No. 1 Liner Size	Pump No. 1 S.P.M.	Pump No. 2 Liner Size	Pump No. 2 S.P.M.	Method Run SGL-S Par'el-P Com'd-C

Deviation Record	Depth	Dev.	Direction	Depth	Dev.	Direction	Depth	Dev.	Direction

Hour Started	Hour Stopped	Elapsed Time	A	B	C	D	Acc. D.T.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8 00 AM	9 00 P.M	13						MOVE RIG & RIG UP
9 00 P.M	12 00	3						RE BARLING RAT HOLE

GOVT OF NWT 1968 FEB 28 AM