GPD NOEL MILLS LAKE
L-41

Drilling Authority No. 305
Date Issued 19-2-68

WELL NAME GPD NOEL MILLS LAKE L-41
FIELD Area:
LOCATION: Unit L Section 41 Grid 61-50-11 7-00
Latitude 61-40-38.94 Longitude 117-08-~~58.78~~ 57.77
From Established Reference Marker

UWLR 61.67~~72~~48 117.14~~96~~53
UWI 300L41615011 7000

Rig Release Date: 26/2/68
Status D+A
~~Information Release Date~~

CHANGE OF NAME:

DATE RECEIVED	INDEX
19-2-68	~~Application for a Drilling Authority.~~
May 14/68	Well Completion Data.
	Well History Report.
May 16/68	Application to Amend a Drilling Authority.
	Application to change a Well Name.
May 17/68	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. 305
Date Issued 16th February 1968

CANADA

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: GPD NORI Willie Lake L-41

Permit No. 4497 Lease No.

Northern Oil Explorers Ltd. (Permittee, Licensee, Lessee) Exploratory Licence No. 1088

Great Plains Development Company of Canada, Ltd. (Operator) Exploratory Licence No. 1049

Location: Unit L Section 41 Grid 61° 50' 117° 00'

Latitude 61° 40' 38.94" Longitude 117° 08' 59.77"

From Established Reference Marker B.M. #66-T-213

Universal Well Location Reference Lat. 61.67748° N Long 117.14993° W

	DATE	DEPTH
Spudded	Feb. 18/68	
Suspended		
Resumed Operations		
Finished Drilling	Feb. 24/68	
Deepened		
Complete (gas/oil)		
Abandoned	Feb. 25/68	1081
Rig released	Feb. 26/68	1081

Pool(s)

Interval(s) open to production

Elevation: Gr. 707' K.B. 710'

Rig No. 1

Drilling Contractor Baldwin & Knoll Ltd.

Contractor's Business Licence No. A11155

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Set at —	Sacks of Cement and Additives
1. 7"	J-55	20#	328.36	324.36	125 sacks + 2% $CaCl_2$
2.					
3.					
4.					
5.					
6.					

GEOLOGICAL TOPS	ELEVATION Depths	ELEVATION Sub-Sea
Hay River	Surface	+711
Lonely Bay	842	-131
Chinchaga	1010	-299

CORE RECORD

From	To	Rec.	From	To	Rec.

LOG RECORD

Run No.	Type of Log	From	To
1	Induction Electrical	1080	327
1	Borehole Compensated-Sonic	1078	327
1	Formation Density	1079	327

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

CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Bullet, Jet)				SERVICING RECORD (Acidizing, Fracing, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
Feb. 19	0	324.36	Surface Casing. Cemented using 125 sacks plus 2% $CaCl_2$								
Feb. 25	Bottom		Plug #1 10 sacks on bottom								
Feb. 25	375	275	Plug #2 30 sacks + 2% $CaCl_2$. Felt @ 275'								
Feb. 26	0	3	Plug #3 surface plug 5 sacks								

Plate was welded on top and identification marker erected.

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

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks

PRESENT STATUS OF WELL

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

Company Great Plains Development Company of Canada, Ltd.

Signed by D. L. Gingerick

Title Production Superintendent

Date May 14, 1968

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

File No. 305
Drilling Authority No.

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: GPD HOKI Mills Lake L-41

Location: Unit: L Section: 41 Grid: 61° 30' 117° 00'

Latitude: 61° 40' 38.94" Longitude: 117° 08' 35.38"

From Established Reference Marker: 857' North and 1156 East of SW corner Unit L Sec. 4

Universal Well Location Reference: Lat. 61.67748° N, Long 117.14993° W

Permit No. 4497 Lease No.

Northern Oil Explorers Ltd.
(Permittee, Licensee, Lessee)

Date of commencement of proposed program: February 24, 1968

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at
Gas at
Water at
Total Depth: 1081 Date of last operations: February 26, 1968
Present condition of well

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. 7"	20#	328.36	324.36	125 sacks + 2% $CaCl_2$	
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
Plug 1	Bottom	Chinchaga	10	
Plug 2	375' - 275'	Hay River Shale	30 Sk.	
Plug 3	3' below ground level	Surface	5 sks.	

The following logs have been run: Induction Electrical, Borehole Compensated Sonic Log, Formation Density Log
Other operations proposed: Nil

Operations to be carried out by: Great Plains Contractor Licence No. A11155
Address: 736 - 8th Avenue S.W., Calgary, Alta. Address: 6820 - 103rd St., Edmonton, Alta.
Responsible Agent in field: G. M. Hunter
Dated at: Calgary this 27 Day of February 19 68
Signed by: K. M. Lehto
Title: Drilling Superintendent Company: Great Plains Development Company of Canada Ltd.
Operator's Exploratory Licence No. 1049

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

(For RESOURCE MANAGEMENT DIVISION use only)

APPROVAL

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

Confirming oral approval given by Mr. B.H.J. Thoms on the 25th of February 1968.

Dated 17th May, 19 68

Oil Conservation Engineer

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

IAND 52-90 (5) (3-67)

File No.

Drilling Authority No. 305

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

RESOURCE MANAGEMENT DIVISION

Application to Amend a Drilling Authority

This application, in triplicate, must be submitted and approved before commencing operations. If the well location is changed, this application must be accompanied where required, with a plan of survey approved by the Surveyor General.

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made to amend Drilling Authority No. 305, concerning

GPD NOEL MILLS LAKE L-41

(Name and Number of Well)

The following amendments are required:

CHANGE OF LOCATION

FROM — Lat. 61° 40' 38.44" N.

Long. 117° 08' 58.78" W.

TO — Lat. 61° 40' 38.94" N.

Long. 117° 08' 59.77" W.

Reasons for the amendments:

Survey dated the 8th of February 1968 by Midwest Surveys Co. Ltd.

Dated at Calgary, this fourteenth day of May, 19 68

Signed by [signature]

Title Production Superintendent

Company Great Plains Development Company of Canada, Ltd.

(For Resource Management Division use only)

APPROVED

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

UNIVERSAL WELL LOCATION REFERENCE: Lat. 61.67748° N.

Long. 117.14993° W.

Date 16th May, 19 68

[signature]

Oil Conservation Engineer

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

IAND 52-90-3 (3-67)

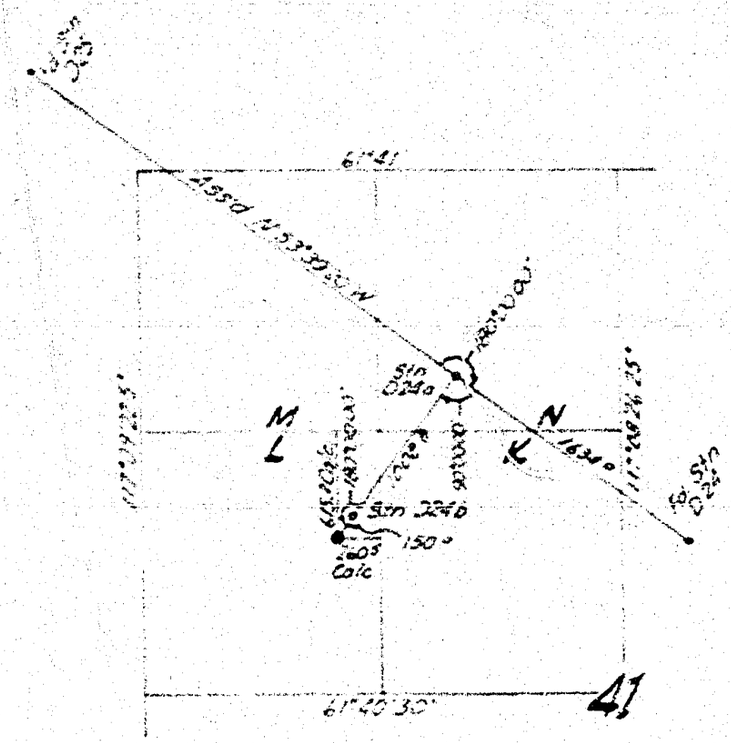
FINAL PLAN

GPD NOEL MILLS LAKE

L41 61-50, 117-00

Latitude 61°40'38."94 Longitude 117°08'59."77

NORTHWEST TERRITORIES



Scale 1000' to 1"

CO-ORDINATE TABLE

UTM Values Scale Factor .99991 Ref Mer 117°00'

Station	Bearing	Distance	North	East
D24			22,441,274.7	-24,043.4
D24a	N 53°39'20"W	1634.0	22,442,243.3	-25,359.5
D24b	S 36°20'40"W	1008.8	22,441,430.7	-25,957.4
Well Loc	S 36°20'40"W	150.0	22,441,309.9	-26,046.3

Surveyed February 8, 1968
Certified Correct

H. J. Falkenberg
Alberta Land Surveyor

NOTE:
1. Distances are in feet and decimal and are check chained.
2. Survey Traverse originated from baseline at Fort Providence.

ELEVATION: 701 Ground

DATUM: BM # 66-T-113
Elev. = 684.400

GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.

M. M. Lehto

V. L. Griganiek P. Eng.

Prepared by:
MIDWEST SURVEYS CO. LTD.

C34-68

Drilling Authority No. 305

Project No.

File No.

UNIQUE WELL IDENTIFIER - 300L41615011

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
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: GPD NOEL MILLS LAKE L-41

Location: Unit L Section 41 Grid 61° 50'; 117° 00'

Latitude 61° 40' 38.44" Longitude 117° 08' 58.78"

From Established Reference Marker 857' North and 1,156 East of S.W. corner Unit L, Sec. 4

Universal Well Location Reference ~~Lat. 61.67734° N., Long. 117.14966° W.~~

Elevation: Ground 702 K.B. 711 feet above sea-level.

Well is expected to produce from Lonely Bay Formation formation at a depth of about 840 feet. Expected total final depth 1,450

Area assigned to well

(for Oil Conservation Engineer's use only)

Permit No. 4497 Lease No. Acreage 60,622

Permittee, licensee, or lessee Northern Oil Explorers Ltd.

Exploratory Licence No. 1088

Surface owned by Crown or Crown

(If alienated submit name and address of owner and occupant.)

Petroleum and natural-gas rights owned by Northern Oil Explorers Ltd.

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

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Sacks of Cement
1. 7"	20#	J-55	new	150	60 sacks
2.					
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment Surface casing will control water or gas in the glacial drift; hydrostatic pressure of the mud column and 6" x 900 series B.O.P.'s to control all formations below surface casing.

Well will be drilled with Rotary Rig No. 1 by Baldwin & Knoll Ltd.
(Drilling Contractor or company)

Edmonton, Alberta.

Responsible agent of applicant:— Contractor's Business Licence No. A 11155

At well G. M. Hunter At registered office 6820 - 103rd Street

Address 736 - 8th Ave. S.W., Calgary Address Edmonton, Alberta.

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

Dated at Calgary, this 16th day of February 19 68.

Signed by [signature] Company Great Plains Development Company of Canada Ltd.

Title Drilling Superintendent Operator's Licence No. 1098

(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 16th February 19 68 [signature]
Oil Conservation Engineer

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

IAND-52-90-1 (3-67)

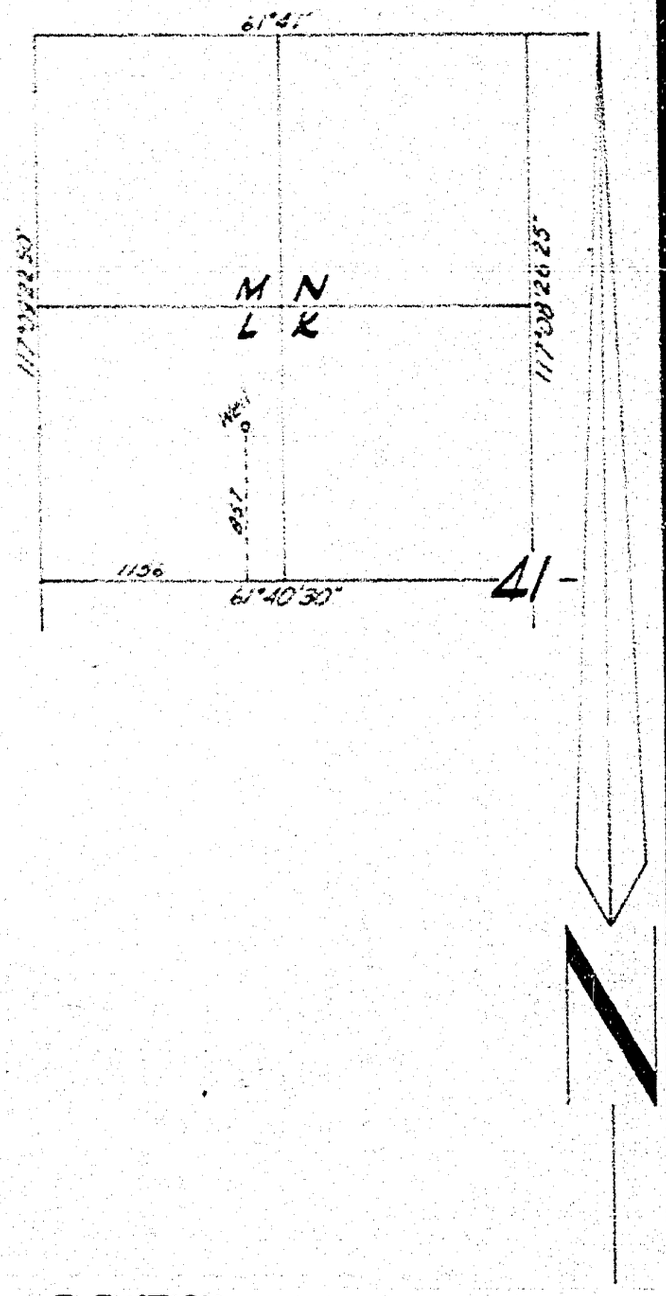
PRELIMINARY PLAN

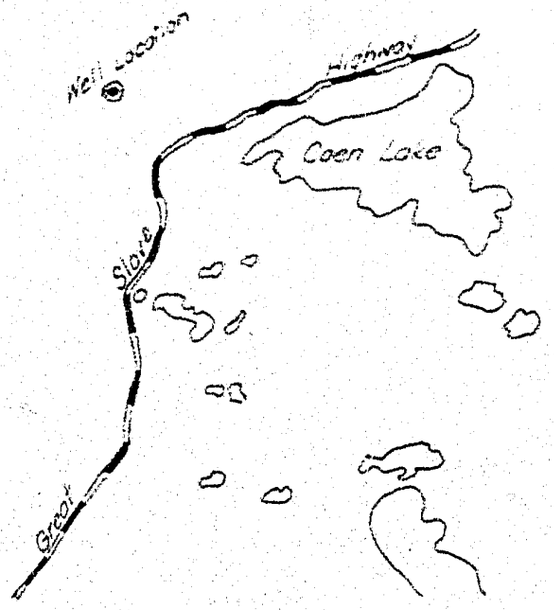
GPD NOEL MILLS LAKE L-41

Unit L Section 41 Grid Area 61°50';117°00'

Latitude 61°40'38.44" Longitude 117°08'58.78"

NORTH WEST TERRITORIES





I certify that this plan is correct to the best of my knowledge and was completed on the 15th day of February, 1968.

Dominion and Alberta Land Surveyor

Witness

MIDWEST SURVEYS CO. LTD.

ELEVATION: 702 Ground

CO-ORDS: Well is located 857 N. 1156 E. of S.W. cor. Unit L, Sec 41

GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.

Scale: 1000' = 1"

Triangulation Station: △

Well Location: ◎

Survey Monuments found shown thus: •

" " planted " " : ∘

Portions referred to outlined:

Distances are in feet and decimals.

MIDWEST SURVEYS LIMITED — SURVEYING ENGINEERING

C-34A-68

DRILLING & ABANDONMENT REPORT
OF
GPD NOEL MILLS LAKE L-41
IN
UNIT L SECTION 41 GRID 61° 50' 117° 00'
LATITUDE 61° 40' 38.74"
LONGITUDE 117° 08' 59.77'

DRILLING AND ABANDONMENT REPORT

OF

GPD NOEL MILLS LAKE L-41

IN

UNIT L SECTION 41 GRID 61° 50' 117° 00'

LATITUDE 61° 40' 38.94" LONGITUDE 117° 08' 59.77"

GEOLOGICAL & EVALUATION
Resource Management Division
JUN 18 1968
OTTAWA, CANADA
Dept. of Indian Affairs & Northern Development

Compiled By: George Betts
February, 1968

Signed By: mm Betts

Date: May 31, 1968

SECTION I - SUMMARY OF WELL DATA

(a) Well Name and Number

GPD NOEL Mills Lake L-41
Unit L Section 41 Grid 61° 50' 117° 00'

(b) Permittee, Licencee or Lessee

Northern Oil Explorers Ltd.

(c) Name of Operator

Great Plains Development Company of Canada, Ltd.,
736 Eighth Avenue S.W., Calgary 2, Alberta.

(d) Location

Unit L Section 41 Grid 61° 50' 117° 00'
Latitude 61° 40' 38.94" Longitude 117° 08' 59.77"

(e) Co-ordinates

Datum: B.M. #66-T-113
Universal Well Location Reference - Lat. 61.67748° N., Long. 117.14993° W.
Unique Well Identifier - 300L416150117000

(f) Permit

4497

(g) Drilling Contractor

Baldwin and Knoll Ltd., Rig #1

(h) Drilling Authority

February 16, 1968, No. 305

(i) Classification

Wildcat well

(j) Elevations

Ground 701' K.B. 710'

(k) Spudded

February 18, 1968

(l) Completed Drilling

February 24, 1968

(m) Total Depth

1081'

(n) Well Status

Dry hole

(o) Rig Released

February 26, 1968

(p) Hole Size

Surface hole	9 7/8"	-	0' - 347'
Main hole	6 1/4"	-	347' - TD

(q) Casing - Surface

Ran and cemented 328.36' of 7", 20#, J-55 new casing to 324.36'. Cemented with 125 sacks of cement plus 2% $CaCl_2$. Plug down at 9:00 P.M. with 500 psi.

GEOLOGY

Geology

SECTION II - GEOLOGICAL SUMMARY

(a) Formation Tops

Formation Tops	K.B. Depth	Subsea Elevation
Hay River	Surface	+ 711'
Lonely Bay	- 131'	842'
Chinchaga	- 299'	1010'

(b) Cored Intervals

No cores were cut.

(c) Core Descriptions

No core descriptions.

(d) Sample Description

0- 30	Pea gravel, quartz and igneous pebbles and grains with boulders. Quartz - rose & clear, quartzite, etc. well rounded.
30- 60	Missing.
60- 110	Pea gravel, as above.
110- 130	Pea gravel & boulders.
130- 200	Shale, light grey to medium, micromicaceous, fairly soft.
200- 229	Shale, compact, as above, calcareous. Caving noticeably.
229- 245	Limestone, light grey, slightly argillaceous, brittle, angular, non-porous.
245- 280	Shale, as above, trace Limestone anhydritic, drilling break, slightly calcareous, micromicaceous.
280- 320	Shale, as above.
320- 342	Shale, medium grey as above with light green shale.
342- 347	Lost circulation, light grey mud developed.
347- 400	Shale, as above, grey, micromicaceous, calcareous.
400- 450	Shale, as above with traces calcareous argillite.
450- 600	Shale, as above, with scattered interbeds calcareous argillite, or argillaceous Limestone.
600- 630	Shale, as above, trace limey shale, anhydritic.
630- 680	Shale, as above, trace limey shale, anhydritic.
680- 730	Shale, dark grey, brittle, micromicaceous, slightly calcareous, slightly bitumen cut.
730- 740	Limestone, argillaceous, grey, brittle, trace fossils, slightly bituminous.
740- 830	Limestone, argillaceous, medium grey and darker grey, trace pyrite.
830- 850	Shale, calcareous, black, fetid odor, fossils.
850- 860	Limestone, brown, fine crystalline, argillaceous & buff limestone, trace fossils, tight, fair cut for petrol. Non-porous, fossil pelecypods, etc.
860- 870	Limestone, as above, non fossil.
870- 880	Limestone, as above, non fossil., non-porous, trace bitumen.
880- 900	Limestone, as above, dark brown limestone & buff limestone, non-porous, trace bitumen.
900- 940	Limestone, as above.

(d) Sample Description (Continued)

940- 950	Limestone as above with numerous thin wafers as stylolite infilling?
950- 985	Limestone, as above.
985-1000	Dolomite, light grey-buff, fine crystalline, non-porous.
1000-1010	Dolomite, as above with anhydrite.
1010-1020	Dolomite, buff, trace staining, tight.
1020-1050	Dolomite, buff & brown, tight, trace Anhydrite.
1050-1060	Dolomite, buff & brown, tight. Minor Anhydrite.
1060-1070	Dolomite, as above with Anhydrite more abundant.
1070-1082	Dolomite, as above with Anhydrite more abundant, 10%+.

(e) Deviation Record

120' - 1/2°
347' - 1/2°
768' - 0°
811' - 3/4°

(f) Abandonment Report

February 26 - Plug #1 - 10 sacks of cement at 1081'. No feel.
Plug #2 - 375'-275'. Cemented with 30 sacks + 2% $CaCl_2$. Felt at 275'.
Plug #3 - 0' - 3' surface plug, cemented with 5 sacks of cement.
Plate welded on top, identification marker installed

(g) Lost Circulation Zones

342'-347' - Shale formation. Lost circulation due to up hole mud rings.
Corrective measures taken: Pulled out of hole and cleaned to bottom.

CASING and TUBULAR REPORT

Casing

GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.

CASING INFORMATION

Surface Casing
Intermediate Casing O.D. 7"
Production Casing
Liner

Unit L Section 41 Grid

Well GPD NOEL Mills Lake L-41 Location 61° 50'117° 00' Date February 20, 1968

Joints on Location	Feet on Location	Casing Weight	Grade	Range	Thread	Threads & Couplings	Make	Joints Run	Depth Landed	Feet Run in Well
16	659.64	20	J-55	3	8Rd			8	324.36	328.36

Shoe: Make Davis	Type Guide	Length	1.10
Collars: Make Davis	Type Float	Length	1.40
Landing Joint (when used) Length			
Overall Length of Casing String			330.86
Feet up from K.B. (Subtract)			6.50
Setting Depth: 324.36 By Driller		By Tally	324.36
Shoe Joint: 40.77 Overall		(Subtract)	40.77
Float Collar Landed: 283.59 By Driller		By Tally	283.59

CENTRALIZERS:

Make B & W

Number 2

Positions Middle of Jts. #1 and #3

SCRATCHERS:

Make B & W

Number

Positions Five feet from the end of Jts. #1 & #3

No. of Joints Welded 2 jts. welded.

Remarks Surface casing went in easy.

Operator's Representative

GREAT PLAINS DEVELOPMENT COMPANY OF CANADA LTD.

RUNNING AND CEMENTING

Surface Casing
Intermediate Casing O.D. 7"
Production Casing
Liner

GENERAL

Well GPD NOEL Mills Lake L-41 Location Unit L Section 41 Grid 61° 50' 117° 00' Date February 20, 1968

K.B. Elevation 710 K.B. Csg. Flange 8.50 Total Depth (Driller) 1081

Hole Size	9 7/8			Casing in Hole	328.36		
Depth	347			Depth Set	324.36		

Mud: Type Gel Wt. 9.0 Visc. 50 W.L. 10

B.O.P.'s

RUNNING

Power Tongs - Torque: Max. - Nom. - Min. -

Time Pipe Started 4:30 P.M. Time on Bottom 6:30 P.M. Time Circ. 1 hour - 6:30-7:30

Fill-up Points - Btm. by Casing 324.36' Ft. up from K.B. 6.50'

Remarks

CEMENTING

Cement Co. Contractor Operator Baldwin & Knoll Time on Location

Types & Quantities of Cement 125 sacks of cement + 2% $CaCl_2$

Water ahead 1 Bbls. Mix Times: Start 8:00 P.M. Finish 9:00 P.M. Slurry Wt. 15.5

Calc. Disp. Bbls. Est. Disp. time 15 Mins. Start 8:45 Finish 9:00

Max. Pumping Press. 50# Bump. Press. 500 Bumped by Contractor No. times bump. 1

Cement Returns: Yes/~~No~~ Remarks

LANDING

Time Landed 9:00 A.M. Date February 20 Init. Wt. of Cem. String (Less Blks.)

Wt. Landed in Slips Make of Bowl Nom. Size Series

Slip and Seal Assembly Remarks

Operator's Representative

BIT

GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.

P-5

BIT RECORD

Well GPD NOEL Mills Lake L-41 Field Mills Lake N.W.T.

Bit No.	Depth From	Depth To	Size	Make and Type	Footage	Hours Run	Remarks
1	0	120	9 7/8	Reed, YT3	120	16	Dull
2	120	347	9 7/8	Reed, YT3	227	18 3/4	Dull
3	347	768	6 1/4	Security S3	421	18 1/2	Dull
4	768	968	6 1/4	Security S4	200	16	Dull
5	968	1081	6 1/4	Reed YMR	113	12 3/4	Good

DAILY MUD RECORD

GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.

DRILLING MUD RECORD

WELL GPD NOEL Mills Lake L-41 AREA Mills Lake N.W.T.

MUD COMPANY Magcobar SERVICE ENGINEER Ted Williams

Date	Depth 8:00 AM	Formation	Additives A	B	C	D	E	F	G	H	I	J
Feb. 18	126		2500	250								
Feb. 19	126		300			bags 4	200					
Feb. 20	347		2800	150		15		sacks 125	200			
Feb. 21	347		2000	300	500					500	50	
Feb. 22	510			50	50							100
Feb. 23	855		200	200	250					250	50	
Feb. 24												
Feb. 25								40				
SUB-TOTAL												
TOTAL			7800	950	800	19	200	165	200	750	100	100

A Gel D Sawdust G Cal. Chloride J Bicarb.

B Caustic E Quickthick H Plaster

C Peltex F Cement I C.M.C.

Drilling

DAILY DRILLING RECORD

GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.

DRILLING HISTORY

Date	Depth 8:00 AM	Hours Drilled	Mud				Surveys		Remarks
			Wt.	Visc.	W.L.	pH	Depth	Dev.	
Feb. 18									Spudded 10:15 A.M. Drilled
									9 7/8" hole.
Feb. 19	126	16	8.9	33	15	8.5	120'	1/2°	Drilled 9 7/8" hole to 342'.
									Lost circulation. Stopped los
									circulation by pulling out of
									hole and cleaned to bottom.
									Drilled ahead to 347'.
Feb. 20	347	10	9.2	40	14	8.5			Circulated hole clean. Pulled
									out. Ran and cemented 328.36'
									of 7", 20#, J-55 new casing.
									Landed at 324.36'. Cemented
									with 125 sacks of cement plus
									2% $CaCl_2$. W.O.C.
Feb. 21	347								W.O.C. Cut off casing and
									welded on casing bowl. Ran in
									hole and drilled out F.C., G.S
									and cement with 6 1/4" bit.
Feb. 22	510	8 3/4	9	34	14	11	347'	1/2°	Drilled 6 1/4" hole.
Feb. 23	855	18 1/2	9.5	42	10.2	11	768 '	0°	Drilled to T.D. of 1081'.
							811'	3/4°	
Feb. 24	1081								Circulated hole clean. Pulled
									out. Ran an Induction Electri
									cal Log 1080'-327', Borehole
									Compensated Sonic Log 1078'-
									327', Formation Density Log
									1079'-327'. Rigged out logger
Feb. 25									W.O.C.

GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.

P - 1

DRILLING HISTORY

Page 2

Date	Depth 8:00 AM	Hours Drilled	Mud				Surveys		Remarks
			Wt.	Visc.	W.L.	pH	Depth	Dev.	
Feb. 26									Ran Plug #1 10 sacks of cement
									at 1081'. No feel. Ran Plug
									#2 375'-275'. Cemented with
									30 sacks + 2% $CaCl_2$. Felt at
									275'. Ran Plug #3 0'-3'.
									surface plug. Cemented with
									5 sacks of cement.
									Rig released.
									Plate welded on top,
									identification marker erected.

GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.

P - 1

DRILLING HISTORY

Date	Depth 8:00 AM	Hours Drilled	Mud				Surveys		Remarks
			Wt.	Visc.	W.L.	pH	Depth	Dev.	
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									identification marker erected.

MISCELLANEOUS

GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.
736 - 8th Avenue S. W., Calgary, Alberta - Phone 264-0660

DRILLING AND GEOLOGICAL PROGRAM
PART "A"
INSTRUCTIONS TO THE CONTRACTOR

GPD NOEL MILLS LAKE L-41 Lat. 61° 40' 38.44", Long. 117° 08' 58.78" W.

Location: Lsd. _____, Sec. _____, Twp. _____, Rge. _____, W. ____ M.

Elevations: Ground - 702 Surv.
K.B. - 710 Est.

Surface Hole: (a) Drill 9-7/8 " surface hole to 200 ' minimum.

(b) Take Totco readings at 100' intervals to 200 '
(Maximum deviations 1°).

(c) Round trip prior to running casing to ensure the hole is clean.

(d) Double tally drill pipe on last trip prior to running casing.

(e) Measure and record distance from K.B. to Ground and K.B. to casing bowl flange and report with surface casing details.

Surface Casing: To be conducted by Contractor.

(a) Run and cement 7 ", 20 #, J-55 , casing at 200 + ' minimum, using 125 sacks cement plus 2% $CaCl_2$.
Casing string to be as follows: guide shoe, one joint of casing, float collar and balance of casing to 200 '.
One centralizer to be placed in the middle of joints # 1 , # _____ and # 3 and a scratcher five feet from each end of the same joints. Weld guide shoe, float collar and two joints of casing. Cement returns to surface must be obtained. Casing must be set so that the casing bowl flange is at ground level or above.

(b) Land casing after 12 hours, make up bowl and blowout preventors.

Samples: Conservation Board - 10' samples Surface - T.D.
Great Plains - 10' samples

Mud Control:	Depth	Viscosity (Sec./Qt.)	Water Loss (cc/30 min.)	Remarks
	Surface Hole			Spud in mud. After drilling out guide shoe and jetting cement-cut mud, and S.A.P.P. or Bicarbonate of Soda to treat out residual cement.
	0 - 200	Sufficient to clean hole.		
				Water
	200 - 1445'	45 - 60	8 - 10	dispersed gyp mud.

Treat mud for salt stringers at 1050'

General Mud Requirements:

(a) Weight approximately 9.5 /U.S. gallon.

(b) A complete record of all mud and additives used must be correctly logged in the daily reports by "the contractor."

(c) Check all mud properties at least twice per tour and note results in tour report.

(d) Lost circulation - circulation losses may occur during the surface hole and _____

Main Hole Drilling:

(a) Drill ahead with 6-1/4" bit and follow sample collection.

(b) Tallies - Drillpipe is to be tallied out every 1000' and prior to:

(1) Coring
(2) Drillstem testing
(3) Logging
(4) Running casing

If pipe measurement varies more than three feet from the recorded tally, it must be remeasured and the tally adjusted if necessary. A record of adjustment is to be made in the daily report.

(c) Hole conditions - Great Plains' Drilling Department is to be notified immediately if poor hole conditions develop, if drillpipe is stuck, or if a fishing job develops.

Abnormal Formation Pressures: _____

DRILLING AND GEOLOGICAL PROGRAM
PART "B"
INSTRUCTIONS TO GREAT PLAINS PERSONNEL

Samples: Make 1 cuts of samples at wellsite.

Zones of Interest	Approximate Depth	Evaluation Procedure
Lonely Bay	850	Core entire section. Test if warranted.
Chinchaga Dolomite	1000 - 1400	Test if warranted.

Coring Notes:

(a) Jars are to be run during coring operations.

(b) At least two stands of collars are to be left off the coring string.

Drillstem Tests:

To be conducted in the following manner:

I.S.I. 60 mins.
V.O. As required
F.S.I. 60 minute minimum, or equal to V.O. time.

NOTE:

(a) Jars, safety joint and pump out sub are to be run on all tests.

(b) No more than one-half the number of collars in the drilling string are to be run, with a maximum of three stands of collars.

(c) Gas samples are to be analysed for helium as well as subjected to the conventional analyses. One gas sample per test is to be collected. At least one quart of water should be collected for routine water analysis, and a full sample can of water from each test should be put in small cans supplied and brought to the Production Department of Great Plains Development Company of Canada, Ltd., 6th Floor, Fina Building, 736 - 8th Avenue S.W., Calgary, Alberta. Attention of: Mr. George Betts

Logging: See attached or below.

Log Type Schlumberger	Scale	Interval
Induction Electric Log	2" - 100'	T.D. - Base surface casing
	5" - 100'	
BHC Sonic GR w/ Caliper	2" - 100'	" " " "
	5" - 100'	" " " "
Formation Density Log	2" - 100'	" " " "
	5" - 100'	" " " "

Production Casing: To be determined.

Cementing Operations: To be determined. State clearly in drilling reports cement mixed and Admix dry volumes and calculate slurry volumes pumped.

Service Companies:

Cementing	Contractor
Testing	Johnston Testers Ltd.
Diamond Coring	Johnston Testers Ltd.
Mud	Magcobar Mud of Canada Ltd.
Logging	Schlumberger, Canada Ltd.

Sample Lag Time: Samples are to be lagged as directed.

Telephone Numbers:

Office	264-0660
G. M. Hunter	255-7312
N. M. Lehto	289-2029 - 289-4350
L. L. Samoil	289-3980
D. L. Gingerick	249-4700

Data Requirements:

Company	Samples	Logs Field	Logs Final	Analyses Core	Analyses Fluid	DST Charts	Completion Report
Great Plains	Glass Vials	2	3	2	2	4	2
Conservation Board	Yes	-	3	2	1	1	-
TOTAL		2	6	4	3	5	2

REVISED GEOLOGICAL PROGNOSIS FOR GPD NOEL MILLS LAKE L-41

Latitude 61° 40' 38.44" N.

Longitude 117o 08' 58.78" N.

Ground Elevation 702' Surveyed

KB Elevation 710' Estimated

Formation Top or Marker	Subsea Elevation	Depth	Interval
Spud In			
Hay River	+710	Surface	
			842
Lonely Bay (Limestone)	-140	850	
			165
Chinchaga	-305	1015	
			340
Mirage Point	-645	1345	
			90
Precambrian	-735	1445	

DAILY DRILLING REPORT

REPORT NO. 11 DATE FEB 26/68

OPERATOR	LOCATION LSD	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
GPD	6/10 4/18	N 1/10	9	25	W	NOLL MILLS LAKE	L-41	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD	TYPE THD.
BALDWIN & KNOLL LIMITED	1	3½		11"

OPERATOR'S REPRESENTATIVE

CONTRACTOR'S TOOL PUSHER: T. McDonald

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	(G.D)	FXE	10
2.			
3.			

CASING & LINER RECORD	SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING			
TRIPS			
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

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		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID / OD	FT.	MFG. / TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: [illegible]

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

REMARKS

12:00 12:15 – R.G SERVICE
12:15 12:30 – BREAK CIRC.
12:30 12:45 – RUN 10 sac cement plug on btm
12:45 1:15 – PULL UP TO 350'. RUN 30 sac 2% cal
1:15 WOC PLUG – 1st – 2nd RIG UP TO LAY DOWN PIPE PLUG
2:00 4:30 LAY DOWN 24 jnts of D.P. 13 DC
4:30 ~~8:00~~ W.O.C ~~9:45 10:45 Ran in FEEL FOR PLUG #2~~
~~Plug at 350 and lay down 11 joints of D.P. 10:45~~

MUD RECORD

TIME			
WEIGHT			
VISC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID / OD	FT.	MFG. / TYPE	
	RMR BODY OD	FT.	NOZ. NO	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO.	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

REMARKS

8:00 9:45 WOC – c
9:45 10:45 Run in FEEL FOR plug no 2 plug at 275'
#2 LAY DOWN DP. 10:45 RIG OUT
10:45 12:00 RIG OUT

MUD RECORD

TIME			
WEIGHT			
VISC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
	D.C. ID / OD	FT.	MFG. / TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER NO	
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT OF STRING	LBS.	TYPE	

DRILLER

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

10:15 12:00 RIG OUT
TRUCK HAULINE EQUIP TO
NEW LEASE

MUD RECORD

TIME			
WEIGHT			
VISC			
W.L.-C.C.			
FLTR CK.			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAILY DRILLING REPORT

REPORT NO. 10 DATE Feb-25-1-8

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
G.P.D	6 10	4 19	9	25	W	NOEL MILLS LAKE	L-41	N.W.T.

CONTRACTOR: BALDWIN & KNOLL LIMITED — RIG No. 1

DRILL PIPE STRING NO. SIZE: 3 1/2 — TOOL JOINT OD — TYPE THD. 11F

OPERATOR'S REPRESENTATIVE:

CONTRACTOR'S TOOL PUSHER: Lyle Donald

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G.D.	FXE	10
2.			
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING			
TRIPS			
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER WO ORDERS			8
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET STRIPPED

FEET CUT OFF

PRESENT LENGTH

TON MILE. or TRIPS SINCE LAST CUT

CUMULATIVE TON MILE. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID		MFG.	
	D.C. OD	FT.	TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: L Blanchette

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

REMARKS

12⁰⁰ 8⁰⁰ WO. ORDERS

MUD RECORD

TIME			
WEIGHT			
VISC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID		MFG.	
	D.C. OD	FT.	TYPE	
	RMR BODY OD	FT.	NOZ. NO	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO.	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: L Blanchette

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

REMARKS

8⁰⁰ 4⁰⁰ WOORDERS

WELDER MECH. CAMP

TRUCKING BOILER

MUD RECORD

TIME			
WEIGHT			
VISC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
	D.C ID		MFG.	
	D.C OD	FT.	TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER NO	
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT OF STRING	LBS.	TYPE	

DRILLER: J L Samuel

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

6⁰⁰ - 11⁰⁰ Wait on order

11⁰⁰ - 12⁰⁰ Run in Open end to Cement.

MUD RECORD

TIME			
WEIGHT			
VISC			
W.L.-C.C.			
FLTR CK.			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAILY DRILLING REPORT

REPORT NO. 9 DATE Feb 24 /68

OPERATOR	LOCATION	LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
G.P.D.	6	41	8	17"	9"	25"	W	Koe Mills Lake	L-41	N.W.T.

CONTRACTOR: BALDWIN & KNOLL LIMITED — RIG No. 1

DRILL PIPE STRING NO. SIZE: 3½ — TOOL JOINT OD — TYPE THD.

OPERATOR'S REPRESENTATIVE — CONTRACTOR'S TOOL PUSHER: Tonge

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	GARDNER DENVER	FXE	10"
2.			
3.			

CASING & LINER RECORD	SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	6¼	6	
REAMING			
CIRCULATING			
TRIPS	1½		1
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG Service	¼	¼	¼
CORING			
WIRE LINE LOGGING		4¾	
OTHER W.O. Tool hrs			3
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

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		BIT RECORD		
	STANDS DP	FT.	RUN NO.	2	3
21	SNGLS. DP	633.18 FT.	SIZE	6¼	6¼
13	D.C. ID / OD	381.74 FT.	MFG.	SEC	REED
			TYPE	S-4	YMR
	RMR BODY OD	FT.	NOZ. NO.		3
	STB BODY OD	FT.	NOZ. SIZE	OPEN	9/16
1	SUBS OD	1.72 FT.	SER. NO	41130	A645
	BIT OR C.B.	FT.	DEPTH OUT	970	
		FT.	CUMULATIVE HOURS RUN	16½	6¼
	KELLY DOWN	9.41 FT.	COND. OF BIT	Dull.	IN
	TOTAL	1026.08 FT.	REAMER CUTTER NO.		
WT. OF STRING		LBS.	TYPE		

DRILLER: C. H. Hamm

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN
6¼		968	1026	Dolomite.	180	15	200.	5"	74			

DEVIATION RECORD: DEPTH 970 DEV. ¼° | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

REMARKS
12⁰⁰ - 12³⁰ - DRLG 6¼ HOLE.
12³⁰ - 12⁴⁵ - SERVICE RIG & SURVEY @ 970. ¼°
12⁴⁵ - 2¹⁵ - B.T TRIP
2¹⁵ - 5⁰⁰ - DRLG 6¼" HOLE.

MUD RECORD

TIME		3²⁰	
WEIGHT		9.3	
VISC		41	
W.L.-C.C.		9.2	
FLTR. CK.		2/32	
PH		11	
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
	STANDS DP	FT.	RUN NO.	3	
22	SNGLS. DP	663.61 FT.	SIZE	6¼	
13	D.C. ID / OD	381.74 FT.	MFG.	REED	
			TYPE	YMR	
	RMR BODY OD	FT.	NOZ. NO	Open	
	STB BODY OD	FT.	NOZ. SIZE	9/16	
1	SUBS OD	1.72 FT.	SER. NO.	E A6258	
	BIT OR C.B.	FT.	DEPTH OUT	1082	
		FT.	CUMULATIVE HOURS RUN	12¾	
	KELLY DOWN	34.93 FT.	COND. OF BIT	1/N	
	TOTAL	1082 FT.	REAMER CUTTER NO.		
WT. OF STRING		26M LBS.	TYPE		

DRILLER: L. Blanchette

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN
6½		1026	1082	Dolomite.	170	15	200	5	74	5		

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

REMARKS
8⁰⁰ - 8³⁰ DRLG 6¼ HOLE
8³⁰ - 8⁴⁵ SERVICE
8⁴⁵ - 2⁴⁵ DRLG 6¼ HOLE
2⁴⁵ - 4⁰⁰ CIRC to log

WELDER MECH — BOILER

TRUCKING — CAMP

MUD RECORD

TIME	10	1⁰⁰	3⁰⁰
WEIGHT	9.4	9.5	9.6
VISC	35	36	35
W.L.-C.C.	9.1	9.2	9.6
FLTR. CK.	2/32	2/32	2/32
PH	11	11	11.4
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
	STANDS DP	FT.	RUN NO	3	
22	SNGLS. DP	663.61 FT.	SIZE	6¼	
13	D.C. ID / OD	381.74 FT.	MFG.	YMR	
			TYPE		
	RMR BODY OD	FT.	NOZ. NO.		
	STB BODY OD	FT.	NOZ. SIZE	9/16	
1	SUBS OD	1.72 FT.	SER NO	EA6258	
	BIT OR C.B.	FT	DEPTH OUT	1082	
		FT.	CUMULATIVE HOURS RUN	12¾	
	KELLY DOWN	34.93 FT.	COND. OF BIT	Good	
	TOTAL	1082.00 FT.	REAMER CUTTER NO.		
WT OF STRING		26 M LBS.	TYPE		

DRILLER: J. H. Samuel

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN
					170	15⁰⁰	200	5	74			

DEVIATION RECORD: DEPTH 1082 DEV. ½ | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS
~~7⁰⁰ - 8³⁰ DRLG 6¼ HOLE~~
~~8³⁰ - 9⁴⁵ RIG SERVICE~~
~~9⁴⁵ - 4⁰⁰ DRLG 6¼ HOLE~~
4⁰⁰ - 4¹⁵ Rig Service
4¹⁰ - 5¹⁵ Hoist Bit NO 3 to Log
5¹⁵ - 8⁰⁰ Schumberger logging
8³⁰ - 9⁰⁰ Rig out Schumberger
9⁰⁰ - 12⁰⁰ W/out on logs.

Telly out TD. 1082.

MUD RECORD

TIME	4³⁰		
WEIGHT	9.6		
VISC	35		
W.L.-C.C.	9.6		
FLTR. CK.	2/32		
PH	11.4		
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAILY DRILLING REPORT

REPORT NO. 4 DATE Feb. 23. 168

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W	WELL NAME	No.	PROVINCE
G.P.D.	61°	41'8	1'76	9'	25' W	Noel Mills Lake	L-41	N.W.T

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD	TYPE THD.
BALDWIN & KNOLL LIMITED	1	3½		

OPERATOR'S REPRESENTATIVE: Ø mac

CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Gardner Denver	FXE	10"
2.			
3.			

CASING & LINER RECORD	SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	NORM	DAY	EVE
DRILLING ACTUAL		4	7½
REAMING			
CIRCULATING			
TRIPS			
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG			½
CORING			
WIRE LINE LOGGING			
OTHER		4	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS		8	

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS. WO/D.P:

HRS. STANDBY

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

DRILLING ASSEMBLY

NO.			
	STANDS DP		FT.
15	SNGLS. DP		452.60 FT.
13	D.C.	ID	
		OD	381.74 FT.
	RMR BODY	OD	FT.
	STB BODY	OD	FT.
	SUBS	OD	1.72 FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		18.94 FT.
	TOTAL		855.00 FT.
	WT. OF STRING		LBS.

DRILLER: L. H. Hanson.

BIT RECORD

RUN NO.	2
SIZE	6¼
MFG.	SEC
TYPE	S-4
NOZ. NO.	
NOZ. SIZE	
SER. NO	OPEN
DEPTH OUT	
CUMULATIVE HOURS RUN	
COND. OF BIT	
REAMER CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN
4½		780	855	Shale	180	15	200	5"	74			
				Lime Stone.								

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
811	¾°							

REMARKS

12:00 - 12:30 - Drlg 6¼" Hole.
12:30 - 12:45 - Service Rig - Survey @ 811 ft. ¾°
12:45 - 4:45 - Drlg 6¼" Hole.
4:45 - 8:00 - Cond mud to core W.O. Core Hand

MUD RECORD

TIME	1:00 AM.	5:00 AM
WEIGHT	9.5	9.5
VISC	34	33
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soltis	200#		
Plaster	250#		
Peltex	250#		

DAY TOUR

DRILLING ASSEMBLY

NO.			
	STANDS DP		FT.
17	SNGLS. DP		511.14 FT.
13	D.C.	ID	
		OD	381.74 FT.
	RMR BODY	OD	FT.
	STB BODY	OD	FT.
	SUBS	OD	1.72 FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		12.35 FT.
	TOTAL		907.00 FT.
	WT. OF STRING		25m LBS.

DRILLER: L. Blanchette

BIT RECORD

RUN NO.	2
SIZE	6¼
MFG.	SEC
TYPE	S-4
NOZ. NO.	
NOZ. SIZE	
SER. NO.	OPEN
DEPTH OUT	IN
CUMULATIVE HOURS RUN	8½
COND. OF BIT	IN.
REAMER CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN
4		855	907	Lime Stone	180	15	200	5	74			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

REMARKS

8:00 - 11:30 - W.O. Core Hand
11:30 - 1:00 - Drlg 6¼" Hole
1:00 - 1:30 Work on Draw work motor
1:30 - 2:00 Drlg 6¼ Hole

Weder Meca — Baker R

Trucking — Camp

MUD RECORD

TIME	10:30	11:00	2:00
WEIGHT	9.2	9.2	9.2
VISC	41	40	48
W.L.-C.C.	9.4		9.4
FLTR. CK.	2/32		2/32
PH	11.0		11
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
C.M.C.	50#		
Gell	200#		

EVENING TOUR

DRILLING ASSEMBLY

NO.			
	STANDS DP		FT.
19	SNGLS. DP		571.50 FT.
13	D.C.	ID	
		OD	381.74 FT.
	RMR BODY	OD	FT.
	STB BODY	OD	FT.
1	SUBS	OD	1.72 FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN		13.04 FT.
	TOTAL		968.00 FT.
	WT. OF STRING		26m LBS.

DRILLER: L. Blanchette

BIT RECORD

RUN NO.	2
SIZE	6¼
MFG.	SEC
TYPE	S4
NOZ. NO.	
NOZ. SIZE	OPEN
SER. NO	4130
DEPTH OUT	IN
CUMULATIVE HOURS RUN	16
COND. OF BIT	IN
REAMER CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN
7½		907	968	Lime Stone	200	15	200	5	74.			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

4:00 - 4:15 Rig Service B.O.P.S
4:15 - 6:15 Drlg 6¼ Hole
~~work on~~ 6:15 - 6:30 Work on pump
6:30 - 12:00 Drlg 6¼ Hole

MUD RECORD

TIME	4:00	7
WEIGHT	9.2	9.2
VISC	40	40
W.L.-C.C.	9.4	9.4
FLTR. CK.	2/32	2/32
PH	11.0	11.0
SD. CONT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAILY DRILLING REPORT

REPORT NO. 7 DATE Feb 22/68 L-41

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
G.P.D.	6 41'8"	170	9	25"	W	NOEL MILLS LAKE.	L-41	N.W.T

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD.
BALDWIN & KNOLL LIMITED	1	3½	H

OPERATOR'S REPRESENTATIVE

CONTRACTOR'S TOOL PUSHER: Tony Tomed

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1	GARDNER DENVER	FXE	10"
2.			
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL		6	11¾
REAMING			
CIRCULATING			
TRIPS			2¼
DEVIATION SURVEY			½
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG		2	¼
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS			8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

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

NO.			FT.
	STANDS	DP	
3	SNGLS.	DP	90.83
13.	D.C. 2" ID 4¾ OD		381.74
	RMR BODY	OD	
	STB BODY	OD	
1	SUBS	OD	1.72
	BIT OR C.B.		
	KELLY DOWN		35.80
	TOTAL		510.09

WT. OF STRING LBS.

DRILLER: C. H. Hanson

BIT RECORD

RUN NO.	1
SIZE	6¼
MFG.	SEC
TYPE	S-3
NOZ. NO.	
NOZ. SIZE	OPEN
SER. NO	90734
DEPTH OUT	
CUMULATIVE HOURS RUN	22¼
COND. OF BIT	
REAMED	
CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN
6¼		347	510		200.	15000	100	5"	74			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

REMARKS

12:00 - 12:15 - SERVICE RIG
12:15 - 1:00 - TRIP TO UNPLUG BIT
1:00 - 1:30 - DRLG OUT CEMENT & SHOE.
1:30 - 2:15 - DISPLACE HOLE & PUT PUMP ON TANKS.
2:15 - 8:00 - DRLG 6¼" HOLE.

MUD RECORD

TIME	5:00	6:00	8:00
WEIGHT	9.0	9.0	9.2
VISC	34	35	38
W.L.-C.C.	10.5	10.4	10.4
FLTR. CK.	2/32	2/32	2/32
PH	11.0	11.0	11.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
BiCARB	100#		

DAY TOUR

DRILLING ASSEMBLY

NO.			FT.
	STANDS	DP	
10	SNGLS.	DP	320.14
13.	D.C. 2" ID 4¾ OD		381.74
	RMR BODY	OD	
	STB BODY	OD	
1	SUBS	OD	1.72
	BIT OR C.B.		
	KELLY DOWN		20.57
	TOTAL		704.00

WT. OF STRING 23m LBS.

DRILLER: [illegible]

BIT RECORD

RUN NO.	1
SIZE	6¼
MFG.	SEC
TYPE	S-3
NOZ. NO	
NOZ. SIZE	OPEN
SER. NO.	90734
DEPTH OUT	
CUMULATIVE HOURS RUN	14¾
COND. OF BIT	IN
REAMER CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN
6		510	704		200	15000	200	5	74			1

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
510	½							

REMARKS

8:00 - 8:15 SERVICE RIG & SERVEY @ 510 ft ½°
8:15 - 1:30 DRLG 6¼ HOLE
1:30 - 2:30 WORK ON DRAW-WORKS
2:30 - 3:15 DRLG 6¼ HOLE
3:15 - 4:00 WORK ON PUMP
WELDER MECA CAMP
TRUCKING BOILER

MUD RECORD

TIME	11:00	2:45	
WEIGHT	9.3	9.6	
VISC	42	49	
W.L.-C.C.	10.4		
FLTR. CK.	2/32		
PH	11.0		
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

DRILLING ASSEMBLY

NO.			FT.
	STANDS	DP	
13	SNGLS.	DP	391.90
13	D.C. ID OD		381.74
	RMR BODY	OD	
	STB BODY	OD	
1	SUBS	OD	1.72
	BIT OR C.B.		
	KELLY DOWN		35.80
	TOTAL		780.00

WT OF STRING 25m LBS.

DRILLER: [illegible]

BIT RECORD

RUN NO	1	2
SIZE	6¼	6¼
MFG.	SEC	SEC
TYPE	S-3	S4
NOZ. NO.		
NOZ. SIZE	OPEN	OPEN
SER NO	90734	41139
DEPTH OUT	768	IN
CUMULATIVE HOURS RUN	18¼	1
COND. OF BIT		IN
REAMER CUTTER NO.		
TYPE		

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN
7	4¾	704	780		200	15	200	5	74			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
768	0°							

REMARKS

4:00 - 4:15 SERVICE RIG & BITS
4:15 - 8:00 DRLG 6¼ HOLE
8:00 - 8:15 SERVEY 768 0
8:15 - 11:00 HOIST FOR BIT #2 — 6¼
11:00 - 12 DRLG 6¼ HOLE

MUD RECORD

TIME	7:45	7:00	
WEIGHT	9.6	9.4	
VISC	50	35	
W.L.-C.C.		11.2	
FLTR CK.		2/32	
PH		11	
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
PELTEX	5 cwt		
CELESTIC	50#		

DAILY DRILLING REPORT

REPORT NO. 6 DATE Feb 28/68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W4	WELL NAME	No.	PROVINCE
G.P.D	61°	41' 8"	170	9"	25 W	NOEL MILLS LAKE	L-41	N.W.T.

CONTRACTOR: BALDWIN & KNOLL LIMITED — RIG No. 1

DRILL PIPE STRING NO. SIZE — TOOL JOINT OD — TYPE THD.

OPERATOR'S REPRESENTATIVE — CONTRACTOR'S TOOL PUSHER: [illegible]

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.			
2.			
3.			

CASING & LINER RECORD	SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING			
TRIPS			
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

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		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID		MFG.	
	D.C. OD	FT.	TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER: R. H. Hanson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN

DEVIATION RECORD: DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION

REMARKS

12:00 - 8:00 - W.O.C.

MUD RECORD			
TIME			
WEIGHT			
VISC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.
PLASTER.	10 SKS.		
PELTEX	10 Bags		
CAUSTIC	25#		
GELL	600#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID		MFG.	
	D.C. OD	FT.	TYPE	
	RMR BODY OD	FT.	NOZ. NO	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO.	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN

DEVIATION RECORD: DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION

REMARKS

8:00 - 11:30 W.O.C.
11:30 - 1:00 SLACK OF CSG x WELDON CSG BOWL
1:00 - 4:00 HEADING UP

WELDER MECH BOILER

TRUCKING CAMP

MUD RECORD			
TIME			
WEIGHT			
VISC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.
GELL.	500#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
10	D.C 4½ ID		MFG.	
	D.C 4½ OD	330.20 FT.	TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	1.72 FT.	SER NO	
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
WT OF STRING		LBS.	TYPE	

DRILLER: C. Blanchard

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN

DEVIATION RECORD: DEPTH / DEV. / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

4:00-4:15 Rig SERVICE
4:15-6:00 HEADING UP
6:00-9:00 Run in HOLE CON. MUD
9:00-11:30 DRILL OUT
11:30-12:00 PULL OUT OF HOLE BIT PLUG

MUD RECORD			
TIME			
WEIGHT			
VISC			
W.L.-C.C.			
FLTR CK.			
PH			
SD. CONT			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.
GELL	900#		
CAUSTIC	50#		
G.M.C	500#		

DAILY DRILLING REPORT

REPORT NO. 5 DATE Feb 20 /68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W4	WELL NAME	No.	PROVINCE
G.P.D	61°	41'8"	117°	9"	25 W	NOEL Mills LAKE	L-41	N.W.T

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD	TYPE THD.
BALDWIN & KNOLL LIMITED	1	5½		

OPERATOR'S REPRESENTATIVE

CONTRACTOR'S TOOL PUSHER: McDonald

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	GARDNER DENVER	FXE	16
2.			
3.			

CASING & LINER RECORD	SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
	7"	[illegible]	0	335,86			125 sacs	

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING			
TRIPS			
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

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		BIT RECORD	
	STANDS DP	FT.	RUN NO.	2
	SNGLS. DP	FT.	SIZE	9 7/8
	D.C. ID / OD	FT.	MFG.	REED
			TYPE	YT3
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	9/16
	SUBS OD	FT.	SER. NO	459092
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: G. H. Hanson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN
		347										

DEVIATION RECORD: DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION

REMARKS

12.00 - 2.00 - Mix Gel + Lost Circ. Material

2.00 - 8.00 - Reaming Mud Ring From Surface To 215.

WELDER MECH BOILER

TRACKING CAMP

MUD RECORD

TIME			
WEIGHT		9.2	
VISC		40	
W.L.-C.C.		14	
FLTR. CK.		2/32	
PH		8.5	
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	280#		
Caustic	150#		
Sawdust	5 Sacks		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID / OD	FT.	MFG.	
			TYPE	
	RMR BODY OD	FT.	NOZ. NO	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO.	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: G. H. Hanson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN
												✓

DEVIATION RECORD: DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION / DEPTH / DEV. / DIRECTION

REMARKS

8.00 - 8.15 - Service Rig.

8.15 - 9.15 - Reaming.

9.15 - 10.00 - Work on Pump.

10.00 - 11.00 - Reaming

11.00 - 11.15 - Work on Pump

11.15 - 12.30 - Circ. Cond Mud To Run C.S.G.

12.30 - 2.00 - Dummy Trip - 2.00 - 3.00 Circ

3.00 - 4.00 Trip To Run C-SG

MUD RECORD

TIME			
WEIGHT			
VISC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Sawdust	10 sacks		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
	D.C. ID / OD	FT.	MFG.	
			TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER NO	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT OF STRING	LBS.	TYPE	

DRILLER: L Blanchette

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN

DEVIATION RECORD: DEPTH / DEV. / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

4.00 - 4.15 Service Rig

4.15 - 4.30 Rig To Run C.S.G

4.30 - 6.30 Run 7" CSG

6.30 - 7.00 Rig up To Circ - CSG - 7.00 - 8.00 Circ - CSG

8.00 9.00 Run Cement - Plug Down At 9.00 - 11.00 - 12" WOC

Cement 335,86 ft 7" - 20# csg - 125 sacks 2% Cal 280# Cal-Cl

cement returns when plug bumped at 9:00 PM

MUD RECORD

TIME			
WEIGHT			
VISC			
W.L.-C.C.			
FLTR CK.			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
125 sacs cement			
280# Cal-Cl			

DAILY DRILLING REPORT

REPORT NO. 4 DATE FEB 19 /68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
G.P.D	61°	41'8"	117°	9"	26W	NOEL DAKLS LAKE.	L-41	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD.
BALDWIN & KNOLL LIMITED	1		

OPERATOR'S REPRESENTATIVE

CONTRACTOR'S TOOL PUSHER: [illegible]

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	GARDNER DENVER.	FXE	10"
2.			
3.			

CASING & LINER RECORD	SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7¾	6½	2¾
REAMING			
CIRCULATING			
TRIPS	½		1
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG	¼	¼	
CORING			
WIRE LINE LOGGING SERVICE		¼	¼
OTHER			¼
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

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		BIT RECORD		
	STANDS DP	FT.	RUN NO.	1	2
	SNGLS. DP	FT.	SIZE	9⅞	9⅞
2	D.C. ID / OD	88.19 FT.	MFG.	REED	REED
			TYPE	YT3	YT3
	RMR BODY OD	FT.	NOZ. NO.	2	3
	STB BODY OD	FT.	NOZ. SIZE	9/16	
2	SUBS OD	2.83 FT.	SER. NO	E2413	459092
	BIT OR C.B.	FT.	DEPTH OUT	120	
		FT.	CUMULATIVE HOURS RUN	16	
	KELLY DOWN	35.80 FT.	COND. OF BIT	DULL	
	TOTAL	126.87 FT.	REAMER CUTTER NO.		
WT. OF STRING	11000 LBS.		TYPE		

DRILLER: L. H. Hanson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN
		98	126	ROCK	220	8	75	5"	74			

DEVIATION RECORD: DEPTH 120 DEV. ½° | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

REMARKS

12⁰⁰ - 12¹⁵ - SERVICE RIG
12¹⁵ - 5⁰⁰ - DRLG 9⅞" HOLE.
5⁰⁰ - 5³⁰ - BIT TRIP - DROP SURVEY (a) 120.00' ½°
5³⁰ - 8⁰⁰ - DRLG 9⅞" HOLE.

MUD RECORD

TIME			
WEIGHT			
VISC	38		33
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
	STANDS DP	FT.	RUN NO.	2	
	SNGLS. DP	FT.	SIZE	9⅞	
8	D.C. ID / OD	236.75 FT.	MFG.	REED	
			TYPE	YT3	
	RMR BODY OD	FT.	NOZ. NO		
	STB BODY OD	FT.	NOZ. SIZE	9/16	
2	SUBS OD	2.83 FT.	SER. NO.	459092	
	BIT OR C.B.	FT.	DEPTH OUT	IN	
		FT.	CUMULATIVE HOURS RUN	9	
	KELLY DOWN	35.42 FT.	COND. OF BIT	IN	
	TOTAL	275.09 FT.	REAMER CUTTER NO.		
WT. OF STRING	14000 LBS.		TYPE		

DRILLER: C. Blanchette

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN
		126	275		220	8	75	5	74			

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

REMARKS

8⁰⁰ - 8¹⁵ - SERVICE RIG
8¹⁵ - 12⁰⁰ - DRLG 9⅞ HOLE.
12⁰⁰ - 12¹⁵ WORK ON DRAW WORKS
12¹⁵ - 3⁰⁰ DRLG 9⅞ HOLE
3⁰⁰ - 4⁰⁰ WORK ON ELEVATORS

MUD RECORD

TIME			
WEIGHT			
VISC		39	
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
K. THICK	200		
JEL	300		
SAWDUST	4 B.		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
	STANDS DP	FT.	RUN NO	2	
	SNGLS. DP	FT.	SIZE	9⅞	
11	D.C. ID / OD	384.10 FT.	MFG.	REED	
			TYPE	YT3	
	RMR BODY OD	FT.	NOZ. NO.		
	STB BODY OD	FT.	NOZ. SIZE	9/16	
2	SUBS OD	2.83 FT.	SER NO	459092	
	BIT OR C.B.	FT	DEPTH OUT		
		FT.	CUMULATIVE HOURS RUN	11¾	
	KELLY DOWN	19.49 FT.	COND. OF BIT		
	TOTAL	347.00 FT.	REAMER CUTTER NO.		
WT OF STRING	19000 LBS.		TYPE		

DRILLER: C. Blanchette

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN
		275	347	SHALE	220	8	75	5	74			

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

~~3⁴⁰~~ 4⁰⁰ - 4¹⁵ RIG SERVICE
4¹⁵ 7⁰⁰ DRLG 9⅞ HOLE
7⁰⁰ - 8⁰⁰ TRIP PIPE LESS CIRC
8⁰⁰ 12⁰⁰ MIX MUD

welder Mech
Swamping

Camp
Rick

MUD RECORD

TIME			
WEIGHT			
VISC			
W.L.-C.C.			
FLTR CK.			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAILY DRILLING REPORT 4 REPORT NO. 3 DATE FEB 18

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
G.P.D	61	41'8"	N 117°	9'25'	W	NOEL LAKE	L-41	N.W.T

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD.
BALDWIN & KNOLL LIMITED	1		

OPERATOR'S REPRESENTATIVE

CONTRACTOR'S TOOL PUSHER: Roy Tomed

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G.D.	FXP	10"
2.			
3.			

CASING & LINER RECORD	SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL		9¾	7¾
REAMING			
CIRCULATING			
TRIPS			
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG			¼
CORING			
WIRE LINE LOGGING RIG SERVICE			¼
OTHER		5¼	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS		8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY:

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			BIT RECORD	
	STANDS DP		FT.	RUN NO.	
	SNGLS. DP		FT.	SIZE	
	D.C.	ID		MFG.	
		OD	FT.	TYPE	
	RMR BODY	OD	FT.	NOZ. NO.	
	STB BODY	OD	FT.	SIZE	
	SUBS	OD	FT.	SER. NO	
	BIT OR C.B.		FT.	DEPTH OUT	
			FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN		FT.	COND. OF BIT	
	TOTAL		FT.	REAMER CUTTER NO.	
WT. OF STRING			LBS.	TYPE	

DRILLER: C.H. Hansen

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

REMARKS
12:00 - 2:00 - P.ck up 7¼" D.C. R.Up Power Swivel
2:00 - 6:00 - W.O. WATER.
6:00 - 8:00 - mix GELL.

WELDER MECH CAMP

TRUCKING BOILER

MUD RECORD	
TIME	
WEIGHT	
VISC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT.	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SEL.	800#		
Caustic	200#		

DAY TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD	
	STANDS DP		FT.	RUN NO.	1
	SNGLS. DP		FT.	SIZE	9⅞
1	D.C.	ID		MFG.	REED
		OD 2978	FT.	TYPE	J73
	RMR BODY	OD	FT.	NOZ. NO	
	STB BODY	OD	FT.	SIZE	-
2	SUBS	OD 283	FT.	SER. NO.	E36130
	BIT OR C.B.		FT.	DEPTH OUT	1N
			FT.	CUMULATIVE HOURS RUN	2¾
	KELLY DOWN		FT.	COND. OF BIT	
	TOTAL		FT.	REAMER CUTTER NO.	
WT. OF STRING			LBS.	TYPE	

DRILLER: L. Blanchette

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN
		0	25	SPUD @ 10:15								

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

REMARKS
8:00 - 9:00 - mix GEL
9:15 - 10:15 - DIG RAT HOLE.
10:15 - 12:00 - DRLG 9⅞" HOLE.
12:00 - 3:00 - Lay Down POWER SWIVEL & PICK UP KELLEY
3:00 - 4:00 DRLG 9⅞

MUD RECORD	
TIME	
WEIGHT	
VISC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT.	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	700		

EVENING TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD	
	STANDS DP		FT.	RUN NO	1
	SNGLS. DP		FT.	SIZE	9⅞
2	D.C	ID		MFG.	REED
		OD 59.40	FT.	TYPE	J73
	RMR BODY	OD	FT.	NOZ. NO.	2
	STB BODY	OD	FT.	SIZE	9/16
2	SUBS	OD 283	FT.	SER NO	
	BIT OR C.B.		FT	DEPTH OUT	1N
			FT.	CUMULATIVE HOURS RUN	8¼
	KELLY DOWN	35.80	FT.	COND. OF BIT	1N
	TOTAL	95.00	FT.	REAMER CUTTER NO.	
WT OF STRING			LBS.	TYPE	

DRILLER: L. Blanchette

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN
		25	98	GRAVE. ROCK	2:00	5:00	0	5	74			

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS
4:00 4:15 ~~DRLG 9⅞~~ Rig SERVICE
4:15 11:00 DRLG 9⅞ HOLE
11:00 11:15 WORK on Pump
11:15 12:00 DRLG 9⅞ HOLE

MUD RECORD			
TIME			11:30 P.M.
WEIGHT			
VISC			34
W.L.-C.C.			
FLTR CK.			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	50		

DAILY DRILLING REPORT

REPORT NO. 2 DATE Feb 17/68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
	61°	41' 8"	N 117°	9' 25"	W	NOEL MILLS LAKE NO 1	*L-41	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD.
BALDWIN & KNOLL LIMITED	1		

OPERATOR'S REPRESENTATIVE

CONTRACTOR'S TOOL PUSHER: Eng Powell

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.			
2.			
3.			

CASING & LINER RECORD	SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING			
TRIPS			
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

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		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID / OD	FT.	MFG. / TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	
	DRILLER			

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

REMARKS

1200 900 MOVING

(MOVING)

MUD RECORD			
TIME			
WEIGHT			
VISC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID / OD	FT.	MFG. / TYPE	
	RMR BODY OD	FT.	NOZ. NO	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO.	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	
	DRILLER			

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

REMARKS

800 400 MOVING + RIGGING UP

MUD RECORD			
TIME			
WEIGHT			
VISC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
	D.C. ID / OD	FT.	MFG. / TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER NO	
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT OF STRING	LBS.	TYPE	
	DRILLER			

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

400 1200 RIGGING UP

READY SPUD + DIG RAT-HOLE

WATER MECH CAMP

TRUCKING BOILER

MUD RECORD			
TIME			
WEIGHT			
VISC			
W.L.-C.C.			
FLTR CK.			
PH			
SD. CONT			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

DAILY DRILLING REPORT

REPORT NO. 1 DATE Feb 16/68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
G.P.D.	31	60	116°	39	30	Hoed Mills Lake	Z L-41	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD.
BALDWIN & KNOLL LIMITED	1		

OPERATOR'S REPRESENTATIVE

CONTRACTOR'S TOOL PUSHER: [illegible]

PUMPS

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

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING			
TRIPS			
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

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		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID / OD	FT.	MFG. / TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: [illegible]

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

REMARKS

1200 - 800 - Move From Lease No 2 To new lease.

(Moving)

MUD RECORD			
TIME			
WEIGHT			
VISC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID / OD	FT.	MFG. / TYPE	
	RMR BODY OD	FT.	NOZ. NO	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO.	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: C. Glenotta

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

REMARKS

8⁰⁰ - 4⁰⁰ MOVE FROM LEASE No 2 TO new LEASE

(MOVING)

MOVED T RIGGED CAMP

MUD RECORD			
TIME			
WEIGHT			
VISC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
	D.C. ID / OD	FT.	MFG. / TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER NO	
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT OF STRING	LBS.	TYPE	

DRILLER:

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	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 PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

4⁰⁰ 10⁰⁰ Moving

WELDER MECH CAMP

TRUCKING BOILER

MUD RECORD			
TIME			
WEIGHT			
VISC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.