



Well Name Nom du puits		Pacific HB N Taahlina I-72		Drilling Authority No. Autorisation de forage n°		735	
Field/Area Gisement/Région				Date issued Date d'émission		18-12-73	
Location Emplacement		Unit Unité		Section		Permit or Lease 4139	
		I-72-60-30-118-00					
Latitude		60-21-31		Longitude		118-13-17	
U.W.L.R. N.R.U.E.P.		60.35861 — 118.22139					
U.W.I. No. N.I.P. No.		300I726030118000					
File Microfilmed				Rig. Release Date Date de transfert de la tour de forage		Feb. 9, 1976	
Tour Sheets, Microfilmed				Status Statut		Abandoned	
				Information Release Date Date de publication autorisée des informations		Feb. 9, 1976	

CHANGE OF NAME:
CHANGEMENT DE NOM:Change of Location
Changement de emplacement

667-11-04-049

INDEX	DATE RECEIVED RECU LE	INDEX
Application for a Drilling Authority	2-1-74 X	Demande d'autorisation de forage
Well Completion Data		Renseignements sur le forage d'un puits
Well History Report		Données chronologiques sur le puits
Application to Amend a Drilling Authority		Demande de modification d'une autorisation de forage
Application to Change a Well Name		Demande de changement du nom d'un puits
Application to Abandon a Well or Suspend Drilling		Demande d'abandon d'un puits ou de suspension du forage
Application to Alter Condition of a Well		Demande d'autorisation de modifier l'état d'un puits
Well History Supplement		Supplément aux données chronologiques sur le puits
Well Completion Data		Renseignements sur le forage d'un puits
Work-Over Report No.		Rapport de reconditionnement n°
Application to Commingle Production before Measurement		Demande d'autorisation de mélanger la production avant jaugeage
Data for Back Pressure Test on Natural Gas Wells		Données de calcul de la capacité de production d'un puits de gaz naturel — Méthode graphique n° 7
Data for Back Pressure Test on Natural Gas Wells		Données de calcul de la capacité de production d'un puits de gaz naturel — Méthode de Vitter
M.P.R. — Oil — Calculations		Calcul du T.M.P. (Taux maximal de production) de pétrole
New Oil Well Report		Rapport sur un nouveau puits de pétrole
New Gas Well Report		Rapport sur un nouveau puits de gaz naturel
Well Inspection Report		Rapport d'inspection de l'emplacement d'un puits
Rig Inspection Report		Rapport d'inspection d'une tour de forage
Battery Inspection Report		Rapport d'inspection d'une batterie de puits
Equipment Report		Rapport d'inspection des compteurs
Well Card		Fiche de puits
New Service Well Report		Rapport sur un nouveau puits de service
Strat Service Logs		Rapport mensuel des injections d'eau
Logs — Large scale		Diagrammes: Grande échelle
Logs — Small scale		Diagrammes: Petite échelle

Well Name & No. - <i>Nom et n° du puits</i> PACIFIC HB N TATHLINA I-72		Permit No. - <i>N° de permis</i> 4139	Lease No. - <i>N° de concession</i>
(Permittee, Licensee, Lessee) - <i>(Défendeur de permis ou de licence, du concessionnaire)</i> HUDSON'S BAY OIL & GAS COMPANY		Exploratory Licence No. - <i>N° de licence de sondage</i> 2012	
(Operator) - <i>(Exécutant)</i> PACIFIC PETROLEUMS LTD.		Exploratory Licence No. - <i>N° de licence de sondage</i> 2008	

LOCATION — EMPLACEMENT

Unit - Unité	Section	Grid - Étendue quadrillée	Latitude	Longitude
I	72	60-30-118-00	60° 21' 31" N.	118° 13' 17" W.
Unique Well Identifier - Code d'ordinateur			Universal Well Location Reference - Références universelles d'emplacement du puits	

3001726030118000

Lat. 60.35861° N., Long. 118.22139° W.

	Date	Depth - Profondeur	Pool(s)	Gisement(s)
Spudded Début des travaux	Jan. 26/74		Nil.	
Suspended Suspension des travaux			Interval(s) Open to Production Intervalle(s) de production	Nil.
Resumed Operations Reprise des travaux				
Finished Drilling Forage terminé	Feb. 6/74	2740		
Deepened Approfondissement				
Complete (Gas/Oil) Achèvement (Gaz/Pétrole)				
Abandoned Abandon	Feb. 9/74	2740	Elevation: Gr. Altitude du sol	1108 (est.) K.B. 1121.5
Rig Released Fin des travaux	Feb. 9/74	2740	Rig No. 1 N° de la tour de forage	Drilling Contractor Entrepreneur en forage Jomax
			Contractor's Business Licence No. N° de la licence d'entreprise	ET 1624

CASING RECORD - TUBAGE

Casing Size (Inches) Diamètre (en pouces)	Grade Qualité	Weight Poids	Amount Longeur	Set at - Fixation à	Sacks of Cement and Additives Sacs de ciment et d'additifs
1. 8 5/8"	K-55	24#	356.50	349.00 KB	220 + 2% CaCl ₂
2.					
3.					
4.					
5.					
6.					

Geological Tops Sommet des formations	Elevation — Profondeur		Core Record — Carottes					
	Depths Sous le niveau du sol	Sub-Sea Sous le niveau de la mer	From — de	To — à	Rec. Récupérées	From — de	To — à	Rec. Recup.
Devonian.....	460	+659	Nil.					
Jean Marie.....	1522	-403						

Log Record — Diagrammes

Run Série	Type of Log Genre de diagramme	From - De	To - À
	Nil.		

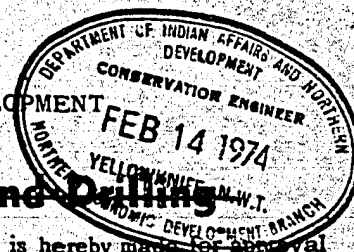
A circular black and white stamp. The outer ring contains the text "DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT" at the top and "NORTHERN ECONOMIC DEVELOPMENT BOARD" at the bottom. Inside the ring, the text "CONSERVATION ENGINEER" is printed. In the center, the date "FEB 21 1974" is stamped, with "YELLOWKNIFE, N.W.T." printed below it.





File No.
Drilling Authority No. 735

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL 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 PACIFIC HB N TATHLINA I-72
Location: Unit I Section 72 Grid 60-30-118-00
Latitude 60°21'31" N. Longitude 118°13'17" W.
From Established Reference Marker
Universal Well Location Reference Lat. 60.35861°, Long. 118.22139° W.
Permit No. 4139 Lease No.

Hudson's Bay Oil & Gas Company
(Permittee, Licensee, Lessee)

Date of commencement of proposed program

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at None encountered
Gas at None encountered
Water at None encountered
Total Depth 2740 Date of last operations February 9, 1974
Present condition of well Well awaiting on abandonment, due to lost bottom
joint of surface casing.

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. <u>8 5/8"</u>	<u>24#</u>	<u>356.50</u>	<u>349.00</u>	<u>220 + 2% CaCl₂</u>	<u>None</u>
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug		Geological Formation	Number of Sacks of Cement	Remarks
No.	Position			
<u>1</u>	<u>1516-1316</u>	<u>Jean Marie</u>	<u>150 + 2%</u>	
<u>2</u>	<u>436- 236</u>	<u>Surface casing</u>	<u>150</u>	
<u>Cut off casing 3' below ground level. Spot 5 sacks in top of casing.</u>				
<u>Weld on steel plate and well identifier.</u>				
....				
....				

The following logs have been run

Other operations proposed

Operations to be carried out by Jomax Drilling Ltd. Contractor Licence No. ET 1624
Address #210-634-6th Ave. S.W., Calgary, Alta. Address P.O. Box 610, Ft. St. John, B.C.
Responsible Agent in field R. W. Nyffeler
Dated at Calgary, Alberta this 7 Day of February 1974
Signed by [Signature] Company Pacific Petroleum Ltd.
Title Frontier Operations Mgr. Operator's Exploratory Licence No. 2008

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

(For OIL AND MINERAL DIVISION use only)

APPROVAL

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

Confirming oral approval given by Mr. M. D. Thomas on February 7, 1974.

Dated Feb 15, 1974 [Signature]
Oil Conservation Engineer

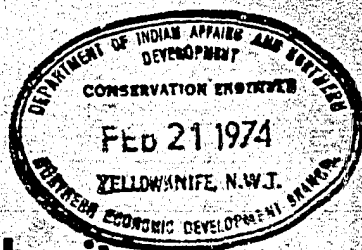
LAND 52-90 (5) (2-69)

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



Drilling Authority No. 735

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL 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. 735, concerning

PACIFIC HB TATHLINA I-72

(Name and Number of Well)

Revise surface casing program to read 356' - 8 5/8" 24# K-55

Reasons for the amendments:

Drilling Authority indicated that 419' - 8 5/8" surface casing was to be run. Due to a misunderstanding only 356.50' was run.

Dated at Calgary, Alta., this 15 day of February 1974

Signed by [Signature]

Title Frontier Operations Manager

Company Pacific Petroleum Ltd.

(For Oil and Mineral Division use only)

APPROVED

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

Date Feb 25, 1974

District Conservation Engineer

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

IAND 52-90-3 (7-71)

Voir au verso

MAR 11 1974
C8

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application for a Drilling Authority

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

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

Name and number of well PACIFIC HB N TATHLINA I-72

Location: Unit I Section 72 Grid 60-30-118-00

Latitude 60° 21' 31" N. Longitude 118° 13' 17" W.

Unique Well Identifier... 300I726030118000

Universal Well Location Reference. . Lat., 60.35861° N. . . Long., 118.22139° W

Elevation: Ground . . . 1108. (est.) K.B. . . . 1120. (est.) feet above sea-level.

Well is expected to produce from ... Slave Point, Elk Point ... formation at a depth

of about ... 3414, 3710 feet. Expected total final depth 4190

Area assigned to well . . . Exploratory . . .

(for District Conservation Engineer's use only)

Permit No.	4139	Lease No.		Acres	63,212
------------	------	-----------	--	-------	--------

Permittee, licensee, or lessee .. Hudson's Bay Oil & Gas Company ..

Exploratory Licence No. 2012-.....

Surface owned by Crown or Crown

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

Petroleum and natural gas rights owned by Crown

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

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Sacs of Cement
1. 8. 5/8"	32#	J-55	New	419'	To surface
2.					
3.	To be set into a competent formation below the Glacial Drift.				
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment.

Water 3414

Gas. . . 3414, 3710.

Oil...Not anticipated.....

Well will be drilled with Rotary Rig No. ..1..... byJomax Drilling Ltd.....

(Drilling Contractor or company)
210 - 634 6th Avenue S.W.

210 - 634 6th Avenue S.W.
Calgary, Alberta T2P 0S4

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

At well. . . R. W. Nyffler At registered office. . . H. W. Leiper

Address - P.O. Box 610, Ft. St. John Address - P.O. Box 6666, Calgary, Alberta

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

Dated at Calgary, Alberta this 4th day of December 1988

Signed by [Signature] Company Pacific Petroleum Ltd.

(For Oil and Mineral Division use only)

APPROVED

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

Please see Conditions of Approval shown on the attached sheet

Dated: December 18, 1973. 

Forms to be submitted to District Conservation Engineer,
Department of Indian Affairs and Northern Development

TO BE ATTACHED TO AND MADE A PART OF DRILLING AUTHORITY NO. 735

FOR Pacific HB N Tathlina I-72 APPROVED December 18, 1973.

CONDITIONS OF APPROVAL:

1. Copies of this Drilling Authority or Amendments to a Drilling Authority shall be exhibited at the drilling rig in both the Doghouse and the Drilling Foreman's office between spud and rig release dates.
2. The Company shall submit to this office, on Tuesday of each week/daily, the latest reports received on the progress of the well.
3. During well drilling and testing operations, every effort shall be made to ensure that drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent contamination of adjacent areas, or sub-surface waters.
4. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.
5. Approval must be obtained from the District Conservation Engineer to run any casing or liners not approved on the Drilling Authority.
6. All shows of oil and/or gas, and water flows, or any unusual events shall be reported to the District Conservation Engineer immediately.
7. Should a fatal accident occur, drilling operations are to be suspended and the District Conservation Engineer notified immediately. Permission to resume drilling must be obtained from the District Conservation Engineer.
8. Two field print copies of all well logs and three copies of the core analyses and fluid analyses must be forwarded to the District Conservation Engineer as soon as they are available.
9. Formation tops (samples or logs) of the section penetrated each week are to be reported with the weekly drilling reports.
10. The District Conservation Engineer must be notified at least 24 hours before spudding the well.
11. Permission to drill beyond the approved final total depth MUST be obtained from the District Conservation Engineer.



District Conservation Engineer
District

PACIFIC HB TATHLINA I-72
TENTATIVE DRILLING PROGRAM

Location:	60° 22"N, 118° 14" W
Proposed TD:	4190 (Precambrian)
Objective Horizon:	Slave Point (Gas)
KB Elevation:	1120 (EST)

1. Drill 12½" hole to 50' below the Glacial drift into a competent formation.
2. Run 8 5/8" 24# J55 casing to bottom. Cement full length using neat construction cement plus 2% CaCl₂.
3. Drill out the 8 5/8 casing shoe using a 7 7/8" bit and drill ahead to 20' into Slave Point formation at approximately 3415'.
4. Drill stem test if warranted.
5. Drill ahead 30' into Precambrian formation.
6. Run logs, evaluate and drill stem test as required.
7. If casing warranted over Slave Point, plug back and run 4½" 9.5# J-55 casing. Cement as required using volumes calculated from the caliper survey.

Mud Program

- 0-700 Possibility of gravel being encountered during the drilling of the surface hole. Viscosities of 70-80 and Y.P. of 30 will be run with an annular velocity of 100' per min.
- 700-4190 This section of the hole will be drilled with a low solids gel CMC system. It should be noted that on other wells drilled in this area, water was used to drill the top section of hole. Some severe hole conditions were encountered as a result. To avoid these problems, the gel CMC system should be used from the surface casing shoe to TD. The mud weight should be maintained at about 9#/gallon.

JDF/lk
Dec. 4/73

PRELIMINARY GEOLOGICAL PROGNOSIS

Tight Hole

WELL NAME:

Pacific H.B. Tathlina I-72

LOCATION:

Unsurveyed Territory
Approximately 60° 22' N., 118° 14' W.

ELEVATIONS:

Ground: 1110' (est)

Kelly Bushing: 1120' (est.)

Geological Markers

Subsea

Depth

Jean Marie	- 315'	1435'
Muskwa	-2205'	3325'
Slave Point	-2295' (Seismic)	3415'
Watt Mountain	-2535'	3655'
Sulphur Point	-2560'	3680'
Elk Point Dolomite	-2590'	3710'
Keg River Limestone	-2930'	4050'
Chinchaga	-2985'	4105'
Pre-Cambrian	-3040'	4160'
Total Depth	-3070'	4190'

PROGRAM:

1. Drill 15 to 20 feet into Slave Point porosity and run a drill-stem test.
2. Additional drilling and testing of the Slave Point will be decided at this time.
3. Drill to total depth (30 feet into the Pre-Cambrian) and run logs.
4. Additional drill-stem testing will depend upon log and sample evaluations.

SAMPLES:

Pacific - One bottled set, 10' intervals from 3000' to T.D.
H.B.O.G. - none required
Dept. of Indian - to be determined ✓
Affairs & Northern
Development

ANALYSES:

Oil, gas and water recovered from all DST's (three samples - top, middle and bottom of recovery).

LOGS:

(Schlumberger)

Dual Induction-Laterolog

2" - 100', total depth to surface casing (0-50, 0-500 ohm M²/M)
linear scale.

5" - 100', total depth to 3000' (logarithmic scale).

LOGS (Cont'd):

Compensated Neutron-Formation Density-Caliper

5" - 100', total depth to 3000'

(BHC) Gamma Ray Sonic-Caliper

2" - 100', total depth to surface casing.

5" - 100', total depth to 3000'

NOTE:

Use a 40-60-80 scale over all carbonates with a 40-90-140 scale over the remainder.

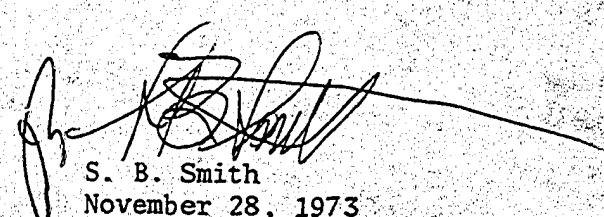
REQUIREMENTS:

	<u>Logs</u>		<u>Analyses</u>	<u>DST Reports</u>
	<u>Field</u>	<u>Final</u>		
Pacific (Ft. St. John)	3	-	1	1
Pacific (Calgary)	2	2	2	2
H.B.O.G.	2	2	2	2
Dept. of Indian Affairs & Northern Development	-	3	3	3

Morning Geological Reports to: 1. Wayne Keedwell - Bus. 268-6386 - Res. 271-2693
2. Jack Brown - Bus. 268-6374 - Res. 242-4437

PARTNERS WITH DERRICK FLOOR PRIVILEGES:

Hudson's Bay Oil and Gas Company Limited


S. B. Smith
November 28, 1973

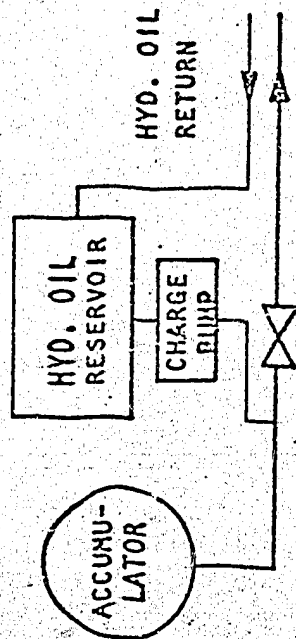
JRB/mb

CLASS III

EXAMPLE NORMAL PLAINS WELLS

LOW PRESSURE MEDIUM RISK AREAS 3" PRESSURE

ACCUMULATOR SYSTEM

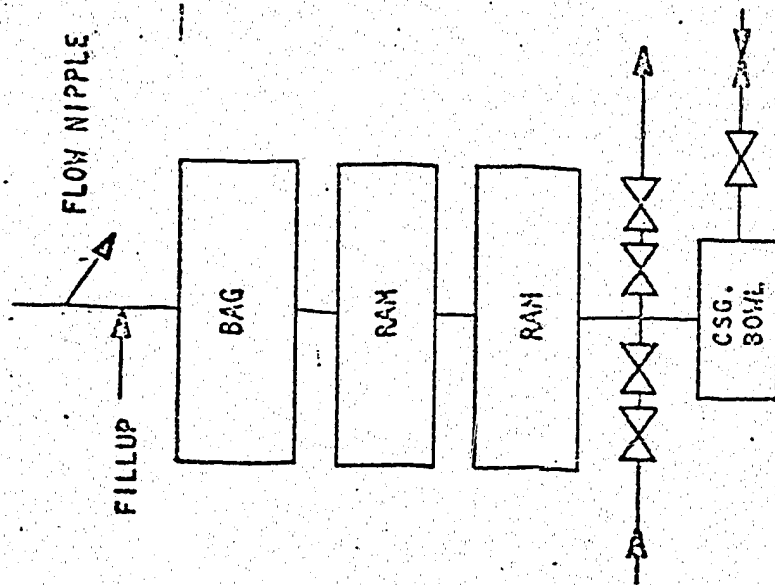


FUNCTIONS: Close Bag and 1 Ram

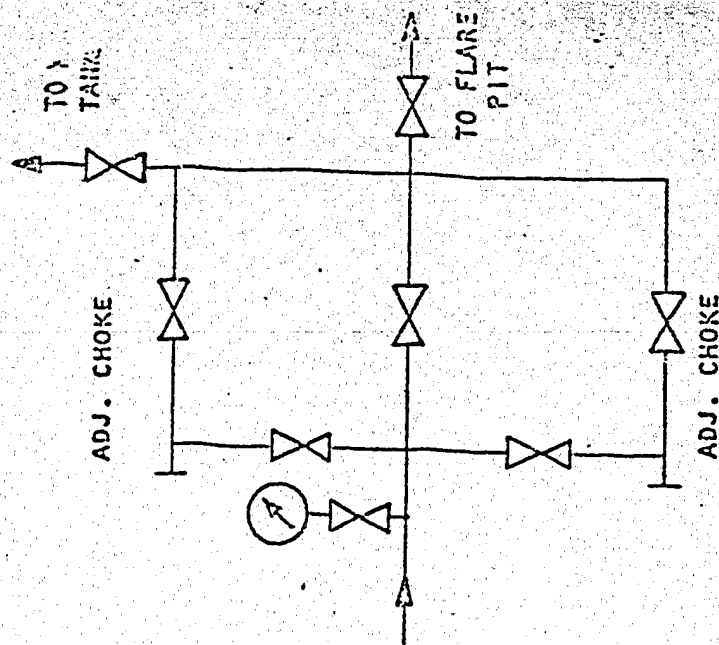
Min. Remaining pressure - 750 psi

CONTROLS: All functions operated remote and from rig floor

BOP STACK



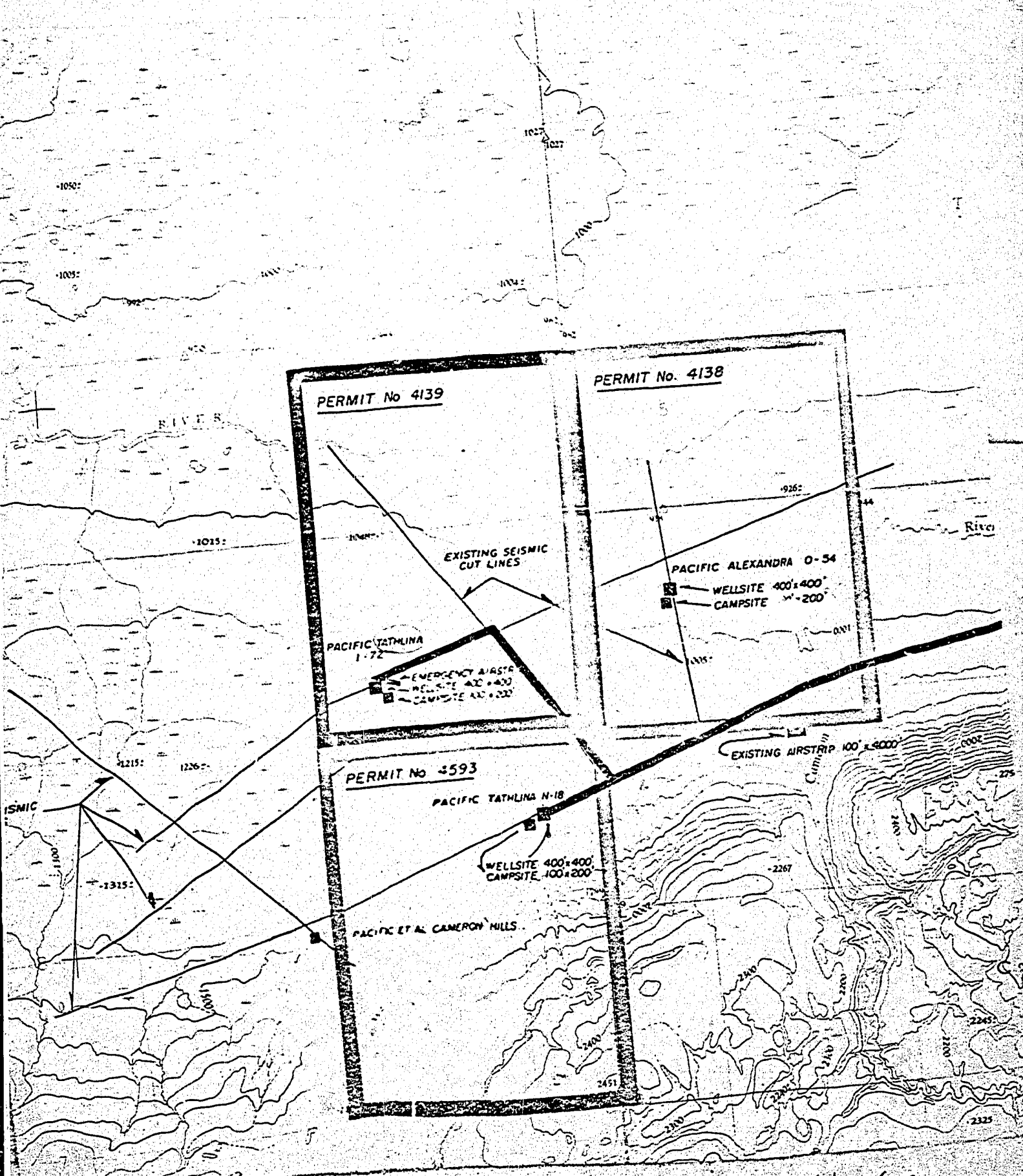
MANIFOLD



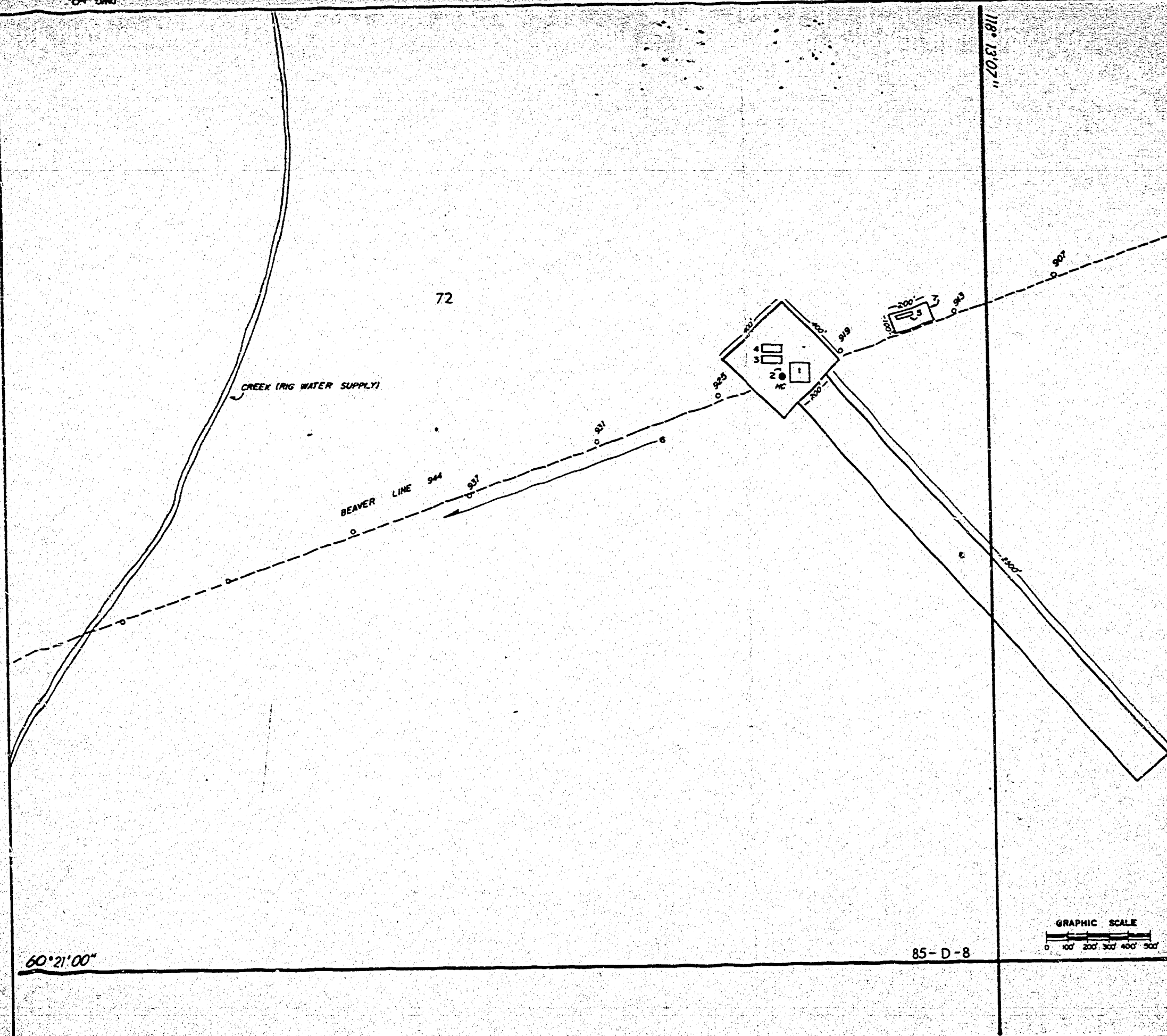
ALTERNATE HOOKUP

Casing Bowl, Ram, Spool, Ram,
Bag Preventor

Note: All outlets and lines to be min. 2",
up to and including 12" BOP's,
3" thereafter



TATHLINA LAKE
85C



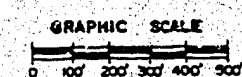
- | | |
|---|--|
| 1 | RIG SUMP 80' x 80' x 10', 6400 BBL CAPACITY WITH 4' OF FREEBOARD |
| 2 | HOLE CENTRE (HC) |
| 3 | RIG FUEL SUPPLY 7000 GALLONS, DITCHES DRAINING TO RIG SUMP 80' FROM HC |
| 4 | BOILER FUEL SUPPLY 5000 GALLONS, DITCHES DRAINING TO RIG SUMP 120' FROM HC |
| 5 | CAMP SUMP 12' x 80' x 12', 800 BBL CAPACITY WITH 4' OF FREEBOARD |
| 6 | 1 1/2 MILES TO RIG WATER SUPPLY FROM CREEK THAT CROSSES EXISTING CUT LINE |
| 7 | RIG CAMP 500' MINIMUM FROM HOLE CENTRE |
| 8 | EMERGENCY AIRSTRIP 200' x 2500' ON MUSKEG |

NO.	REVISION	BY	DATE
-----	----------	----	------

PACIFIC PETROLEUMS LTD.
CALGARY, ALBERTA

**PACIFIC H.B.N. TATHLINA 1-72
LEASE PLAN**

DESIGN BY	DATE	AFE NO.'S
DRAWN BY TRACED BY	D.H.W. NOV. 29/72	SCALE UNLESS NOTED 1 in. = 500 ft
CHECKED BY		DWG NO. E
APPROVED BY		SHEET NO.



85-D-8

60° 21' 00"

667-11-04-049

WELL HISTORY SUMMARY REPORT
PACIFIC HB N TATHLINA I-72

Lat. 60° 21' 31" North
Long. 118° 13' 17" West



Drilling Authority #735

667-11-04-049

WELL HISTORY REPORT

PACIFIC HB N TATHLINA I-72

PACIFIC PETROLEUMS LTD.
P. O. BOX 6666
CALGARY, ALBERTA
T2P 6T6

Compiled By:

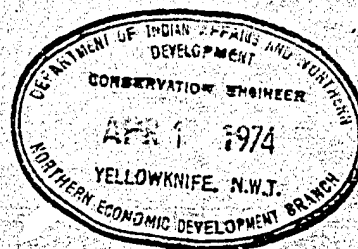
C. E. Johnston

Submitted By:

H. W. Leiper
H. W. Leiper,
Frontier Operations Manager

Date:

MARCH 26/74



PACIFIC PETROLEUMS LTD.

WELL HISTORY REPORT

PACIFIC HB N TATHLINA I-72

INDEX OF CONTENTS

	<u>Page</u>
1. SUMMARY OF WELL DATA	1
2. GEOLOGICAL SUMMARY	3
3. ENGINEERING SUMMARY	4
4. LOGGING SUMMARY	4
5. ANALYSES	5
6. COMPLETION SUMMARY	5
7. DAILY DRILLING SUMMARY	5

PACIFIC PETROLEUMS LTD.
WELL HISTORY REPORT
PACIFIC HB N TATHLINA I-72

1. SUMMARY OF WELL DATA

(a) Well Name: Pacific HB N Tathlina I-72

(b) Permittee: Hudson's Bay Oil & Gas Ltd.

(c) Operator: Pacific Petroleums Ltd.
P. O. Box 6666
CALGARY, Alberta
T2P 6T6

(d) Location: Unit I, Section 72 - 3001726030118000
Grid 60-30-118-00 - 60.35861°N; 118.22139°W
Lat. 60° 21' 31" N.
Long. 118° 13' 17" W.

(e) Co-Ordinates: Not applicable

(f) Permit No.: 4139

(g) Drilling Contractor: Jomax Drilling Ltd.
Rig #1, Licence ET 1624

(h) Drilling Authority: 735 - Issued December 18, 1973.

(i) Classification: Exploratory

(j) Elevations: Ground: 1108' (est.)
K.B.: 1121.5' (est.)
K.B. to Ground: 13.5'

(k) Date Spudded: January 26, 1974

(l) Completed Drilling: February 6, 1974

(m) Total Depth: 2740'

(n) Status: Abandoned

(o) Date Drilling Rig Released: February 9, 1974

(p) Hole Sizes to T.D.: 12 1/4" - 350'
7 7/8" - T.D.

1. SUMMARY OF WELL DATA - Cont'd.

(q) Casing:

Surface: Ran 10 jts. (356.50') 8 5/8"
24# K-55 ST&C Rge. 2 & 3 casing. Landed
at 349.00' K.B., c/w 220 sacks Construction
cement + 2% CaCl₂. Slurry weight 15.5, 15
barrels water wash ahead; displaced plug
with 20.7 barrels water at 7:00 p.m. Plug
down 10:30 p.m. January 29, 1974. Approx-
imately 5 barrels cement returns obtained.

Production: Nil.

2. GEOLOGICAL SUMMARY(a) Formation Tops:

	<u>Subsea</u>	<u>Sample</u>	<u>Depth</u>
Devonian	+ 659'		460'
Jean Marie	- 403'		1522'

(b) Cored Intervals: Nil.(c) Core Descriptions: Nil.(d) Sample Descriptions:

0 - 130	Glacial till. FORT ST. JOHN SHALE 130'
130 - 210	Shale: medium to dark grey, micromicaceous, fissile, firm.
210 - 240	Shale: as above (poor sample).
240 - 280	Poor samples.
280 - 290	Shale: as above.
290 - 300	Very poor samples.
300 - 310	Shale: as above; Shale: dark grey, micromicaceous, blocky, slightly silty, hard, siliceous.
310 - 320	Poor sample - Shale: as above, with dark Shale: as above, silty.
320 - 350	Very poor sample.
350 - 421	Shale: dark grey, micromicaceous, blocky, hard, siliceous, silty, very slightly calcareous; trace Limestone: white, microcrystalline, dense.

3. ENGINEERING SUMMARY

(a) Drill Stem Tests: No tests run.

(b) Casing Record: See Page (2).

(c) Bit Record: See Page (7).

(d) Mud Record: See Page (7).

(e) Deviation Record: See Page (8).

(f) Abandonment Plugs: February 8, 1974

PLUG #1: 1516-1316 (200') c/w 130 sacks
Construction + 2% CaCl₂. Plug down 7:30
p.m. February 8, 1974.

PLUG #2: 236-436 (200') c/w 150 sacks
Construction + 2% CaCl₂. Plug down 9:00
p.m. February 8, 1974. Felt at 218' K.B.,
5:00 a.m. February 9, 1974.

(g) Lost Circulation Zones: January 28, 1974

Depth 352'. Conductor pipe washed out.
Mixed lost circulation material. Mixed
cement to seal outside of conductor pipe.
Regained circulation and held for 4 hours,
then let go again. Ran 40' cement plug
(37 sacks + 3% CaCl₂). Mixed lost circula-
tion material and pumped into conductor
pipe. Displaced cement up and around con-
ductor pipe. Let plug sit for 3 1/2 hours,
then drilled out of conductor pipe.

(h) Report of Blowouts: Nil.

4. LOGGING SUMMARY

(a) Logs: Nil.

(b) Surveys: Nil.

5. ANALYSIS

- (a) Core Analysis: Nil.
- (b) Gas Analysis: Nil.
- (c) Oil Analysis: Nil.
- (d) Water Analysis: Nil.

6. COMPLETION SUMMARY

- (a) Tubing Record: Nil.
- (b) Perforation Record: Nil.
- (c) Cementation Record: Nil.
- (d) Acidization Record: Nil.
- (e) Back Pressure and Production Tests: Nil.

7. DAILY DRILLING SUMMARY

<u>Date - 1974</u>	<u>Depth</u>	<u>Day</u>	<u>Footage</u>	<u>Status & General Information</u>
January 26	45	1	45	Drilling 12 1/4" hole. Spud 6:00 a.m. January 26, 1974.
January 27	352	2	307	Working on boilers. Hole condition good.
January 28	321	3		Cleaning to bottom at 120'. Conductor pipe washed out. Mixed lost circulation material. Mixed cement to seal outside of conductor pipe. Regained circulation and held for 4 hours, then let go again. Ran 40' cement plug, (37 sacks + 3% CaCl ₂). Mixed lost circulation material and pumped into conductor pipe, displaced cement up and around conductor pipe. Let plug sit for 3 1/2 hours, then drilled out of conductor barrel.

7. DAILY DRILLING SUMMARY - Cont'd.

Date - 1974	Depth	Day	Footage	Status & General Information
January 29	349	4	28	Running 8 5/8" casing. Lost 30 barrels, 300 Vis. LCM mud out of suction compartment, when Dresser sleeve plug let go. Cleaned hole from 60' - 321'.
January 30	349	5		Nippling up BOP's. Finish running 8 5/8" casing. K.B. to ground 14.50'.
January 31	349	6		Welding flare line.
February 1	678	7	329	Drilling 7 7/8" hole. Hole condition good. Drilled cement and plug, pressure tested formation, fractured at 925#.
February 2	1209	8	531	Drilling. Hole condition good.
February 3	1724	9	515	Drilling. Hole condition good.
February 4	2245	10	521	Drilling.
February 5	2554	11	309	Drilling.
February 6	2740	12	186	Waiting on motor repairs. Hole condition good. While running in at 420' (Bit #5) hit obstruction. Pulled bit, found 10 teeth broken off, indicating obstruction was iron. Ran in with Bit #6, pushed iron to 1507', could not go deeper. Pulled bit, found same conditions as before. Suspect shoe joint of 8 5/8" casing has dropped.
February 7	2740	13		Waiting on orders. Repaired rig motor. Waiting on McCollough tool to run collar locator. Ran collar locator, survey showed that bottom joint of casing has dropped. Cannot get lower than 1516' with collar locator.
February 8	2740	14		Waiting on cement+cement. Roads drifted in. Bad blizzard.
February 9	2740	15		Lay down drill pipe, wait on roads to be opened. Ran Plug #1 (1515-1315). Ran Plug #2 (236-436).
February 10	2740	16		Skidding rig. Rig released 12:00 midnight February 9, 1974.

3. ENGINEERING SUMMARY - Cont'd.

(c) Bit Record:

Bit No.	Make	Type	Size	Serial No.	Hours On BTM	Depth		Footage	
						In	Out		
1A	HW	OSC3	12 1/4		20	0	321	321	6-1-1
2A	HW	XI9	12 1/4		7	321	349	28	2-1-1
									8 5/8" surface casing set at 349' K.B.
1	HW	XIG	7 7/8	63402	27 3/4	349	902	552	6-3-1
2	HW	XIG	7 7/8	64783	30 3/4	902	1850	948	5-3-1
3	HW	XIG	7 7/8	64779	23 3/4	1850	2454	604	6-2-1
4	HW	XIG	7 7/8	64790	15 1/4	2454	2740	286	8-8-1
5	HW	XDV	7 7/8	64388					Milled on iron at 420' 1/2 hr. 9-10 broken teeth.
6	HW	XDV	7 7/8	64386					Milled on iron at 1507' 1/2 hr. 6-8 broken teeth.

TOTAL DEPTH 2740'.

(d) Mud Record:

Date 1974	Depth	Weight lbs/US gal.	Viscosity Secs.	Water Loss CC in 30"	Filter Cake 32nd In	pH	Remarks
Jan. 26	45		100				Gel Caustic.
Jan. 27	352	9.2	165				Gel lime, sawdust.
Jan. 29	349	9.0	200				Gel lime, sawdust. 8 5/8" surface casing set at 349' K.B.
Feb. 1	678						Water.
Feb. 2	1209	8.9					Water.
Feb. 3	1724	9.0	30				Gel.
Feb. 4	2245	9.1	35	22	2/32	8.5	Gel Caustic.
Feb. 5	2554	9.3	36	15	2/32	9.0	Gel Caustic.
Feb. 6	2740	9.3	36	14	2/32	9.0	Gel Caustic.

Hole abandoned at 2740' K.B.

3. ENGINEERING SUMMARY - Cont'd.(e) Deviation Record:

<u>Survey At</u>	<u>Deviation</u>
100'	1/2°
198'	1°
259'	1°
310'	1°
340'	1 1/8°
450'	3/4°
542'	1/4°
697'	1/4°
791'	1/8°
895'	1/8°
1195'	1/8°
1257'	0°
1505'	1/8°
1663'	1/4°
1819'	1/2°
1970'	1/8°
2125'	1/8°
2275'	1/8°
2454'	1/8°

Hole abandoned at 2740' K.B.

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Rig#

Location

Job#

Date

19.74

REMARKS

From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		FUEL		WATER		Stands		REMARKS		Start		Time							
No.		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed		Hrs.		CONDITION		D. Collars		Other Ft.		C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL	
MUD		12 Mn.		2 a.m.		4 a.m.		6 a.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change								1200		500		5							
WEIGHT																																			
VISCOSITY																																			
GEL																																			
No. 1 Pressure																																			
Model S.P.M.																																			
Liner Size																																			
No. 2 Pressure																																			
Model S.P.M.																																			
Liner Size																																			
W.L.		F.C.		pH.																															
From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		FUEL		WATER		Stands		Company Time		Cont'r Time									
No.		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed		Hrs.		CONDITION		D. Collars		Other Ft.		C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL	
MUD		8 a.m.		10 a.m.		12 Noon		2 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change								LAY DOWN 4" DRILL PIPE		400									
WEIGHT																								B.D.P.s - RIG OUT TO SKID HIG		800		8							
VISCOSITY																																			
GEL																																			
No. 1 Pressure																																			
Model S.P.M.																																			
Liner Size																																			
No. 2 Pressure																																			
Model S.P.M.																																			
Liner Size																																			
W.L.		F.C.		pH.																															
From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		FUEL		WATER		Stands		Company Time		Cont'r Time									
No.		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed		Hrs.		CONDITION		D. Collars		Other Ft.		C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL	
MUD		4 p.m.		6 p.m.		8 p.m.		10 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change								Rig out to skid Rig.		4,000		2,000		8					
WEIGHT																																			
VISCOSITY																																			
GEL																																			
No. 1 Pressure																																			
Model S.P.M.																																			
Liner Size																																			
No. 2 Pressure																																			
Model S.P.M.																																			
Liner Size																																			
W.L.		F.C.		pH.																															

Totco Ring on Bit No.

D.P. Calipered Date

Results

Boiler in Operation

Toolpusher

B.O.P. Test-Operated

Time

Results

Approved by

CONSERVATION BOARD COPY

JOMAX DRILLING LIMITED

Rig# 1 Location

Job# 7331 Date Feb. 9, 1974

Tour — Midnight — 8 a.m.

Specify actual hours worked Hrs.

Driller Cliff. Kozick 8

Derrick Keith Morrison 8

Motor Terry Doroff 8

Floor August Sobry 8

Floor Kevin Mc Hale 8

Fireman

Extra

No Injuries Reported This Tour

Signed Driller R. Kozick

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked Hrs.

Driller EDMOND DIMAS 8

Derrick DOUG MCLEOD 8

Motor DOUGLAS DAVIDSON 8

Floor DARCY JONES 8

Floor CLARK FINGAS 8

Fireman BOB RANDALL 10

Extra LINDA BUE 10

Extra ART JOE GALLARD 10

No Injuries Reported This Tour

Signed Driller E. Dimas

Tour — 4 p.m. - Midnight

Specify actual hours worked Hrs.

Driller Len Wagner 12

Derrick Ken Kravitski 12

Motor Martin Doll 12

Floor Brad Jason 12

Floor Dave Shields 12

Fireman

Extra

No Injuries Reported This Tour

Signed Driller L. Wagner

Toolpusher

Approved by

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Rig# 1 Pacific In The Lake I-72

Job# 7331

Date Feb 7 1974

REMARKS

From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	Stands		Start	Time Stop	Interval				
							No.	O.D.	I.D.	Wgt.												
							No.	O.D.	I.D.	Wgt.												
MUD		12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives					At Surveys Degree	MOTOR HOURS	Next Oil Change									
WEIGHT																						
VISCOSITY																						
GEL																						
PUMPS		No. 1	Pressure																			
		Model	S.P.M.																			
		Liner Size																				
		No. 2	Pressure																			
		Model	S.P.M.																			
		Liner Size																				
W.L.		F.C.	pH.																			
From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	Stands		Start	Time Stop	Interval				
							No.	O.D.	I.D.	Wgt.												
							No.	O.D.	I.D.	Wgt.												
MUD		8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives					At Surveys Degree	MOTOR HOURS	Next Oil Change									
WEIGHT																						
VISCOSITY																						
GEL																						
PUMPS		No. 1	Pressure																			
		Model	S.P.M.																			
		Liner Size																				
		No. 2	Pressure																			
		Model	S.P.M.																			
		Liner Size																				
W.L.		F.C.	pH.																			
From		Footage		To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FORMATION		OIL	Stands		Start	Time Stop	Interval				
							No.	O.D.	I.D.	Wgt.												
							No.	O.D.	I.D.	Wgt.												
MUD		4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives					At Surveys Degree	MOTOR HOURS	Next Oil Change									
WEIGHT																						
VISCOSITY																						
GEL																						
PUMPS		No. 1	Pressure																			
		Model	S.P.M.																			
		Liner Size																				
		No. 2	Pressure																			
		Model	S.P.M.																			
		Liner Size																				
W.L.		F.C.	pH.																			

Totals Ring on Bit No.

D.P. Calipered Date

Results

Boiler in Operation

Toolpusher

B.O.P. Test-Operated

Time

Results

Approved by

CONSERVATION BOARD COPY

JOMAX DRILLING LIMITED

Rig# 1 Location

Job# 7331 Date Feb 7 1974

Tour - Midnight - 8 a.m.

Specify actual hours worked Hrs.

Driller Cliff Kozle 8

Derrick Keith Morrison 8

Motor Terry Kapoff 8

Floor August Sobry 8

Floor Kevin M. Hale 8

Fireman

Extra

No Injuries Reported This Tour

Signed Driller C. Kozle

Tour - 8 a.m. to 4 p.m.

Specify actual hours worked Hrs.

Driller EDMOND DEMAS 8

Derrick DOUG McLEOD 8

Motor DOUGLAS DAVIDSON 8

Floor Darcy Jones 8

Floor CLARE FINGAS 8

Fireman DIT. RADOL 10

Extra VINAY - GYE 10

ADAPATOE CALLIND 10

No Injuries Reported This Tour N.I.

Signed Driller E. Demas

Tour - 4 p.m. - Midnight

Specify actual hours worked Hrs.

Driller Leo Wagner 8

Derrick Ken Krupinski 8

Motor Martin Doll 8

Floor Brad Sason 8

Floor Dave Shields 8

Fireman

Extra

No Injuries Reported This Tour

Signed Driller R. Wagner

Toolpusher Ken Martin

Approved by

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Rig# 1 Location Ta 7112129 Lake 2-92 Job# 7331

Date Feb 6 1974

REMARKS

DATE FEB-6/74

From		Footage		To	Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		FUEL		WATER		Stands		
No.		Size		Type	Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed		Hrs.		CONDITION		
MUD		12 Mn.		2 a.m.	4 a.m.		6 a.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change								
WEIGHT																							
VISCOSITY																							
GEL																							
No. 1		Pressure																					
Model		S.P.M.																					
No. 2		Pressure																					
Model		S.P.M.																					
Liner Size																							
No. 2		Pressure																					
Model		S.P.M.																					
Liner Size																							
W.L.		F.C.		pH.																			

From		Footage		To	Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		FUEL		WATER		Stands		
No.		Size		Type	Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed		Hrs.		CONDITION		
MUD		8 a.m.		10 a.m.	12 Noon		2 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change								
WEIGHT																							
VISCOSITY																							
GEL																							
No. 1		Pressure																					
Model		S.P.M.																					
No. 2		Pressure																					
Model		S.P.M.																					
Liner Size																							
No. 2		Pressure																					
Model		S.P.M.																					
Liner Size																							
W.L.		F.C.		pH.																			

From		Footage		To	Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		FUEL		WATER		Stands		
No.		Size		Type	Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed		Hrs.		CONDITION		
MUD		4 p.m.		6 p.m.	8 p.m.		10 p.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change								
WEIGHT																							
VISCOSITY																							
GEL																							
No. 1		Pressure																					
Model		S.P.M.																					
No. 2		Pressure																					
Model		S.P.M.																					
Liner Size																							
No. 2		Pressure																					
Model		S.P.M.																					
Liner Size																							
W.L.		F.C.		pH.																			

REMARKS		Start		Time		Stop		Time	
Hoist 14 Drill Collars		12:00							
Remove B.T.				1:00					
Make up New B.T. Run		1:00							
In to 1507 Hit Bridge				2:00					
Ream on top of Bridge		2:00		3:00		1 1/2			
Hoist Pipe.		3:00		5:00		1 1/2			
Rig Motor Break down &		5:00							
WAIT ON PARTS.				8:00		3			
Company Time									
Cont'r Time									
WAIT ON PARTS TO REPAIR		8:00							
FLOOR 353 CAT 9 REMOVE				4:00		8			
HEADS.									
Company Time									
Cont'r Time									
Repair Cat Motor		4:00							
ON Floor				12:00		8			
Company Time									
Cont'r Time									

JOMAX DRILLING LIMITED

Rig# Location Date 19

Tour — Midnight - 8 a.m.		Specify actual hours worked		Hrs.	
Driller		Cliff Kenzie		8	
Derrick		Keith Morrison		8	
Motor		Jerry Popoff		8	
Floor		August T. Sobry		8	
Floor		Kevin M. Hale		8	
Fireman					
Extra					

No Injuries Reported This Tour

Tour — 8 a.m. to 4 p.m.		Specify actual hours worked		Hrs.	
Driller		EDMOND DEMAS		8	
Derrick		DOUG McCLEOD		8	
Motor		DOUGLAS DAVIDSON		8	
Floor		DARCY JONES		8	
Floor		CLARE FINGAS		8	
Extra		DOT RANDAHL		10	
C.A.		VIVIAN BUE		10	
C.A.		JOE GULLAN		8	

No Injuries Reported This Tour

Tour — 4 p.m. - Midnight		Specify actual hours worked		Hrs.	
Driller		Leo Wagner		8	
Derrick		Ken Krupinski		8	
Motor		Martin Doll		8	
Floor		Brad Jason		8	
Floor		Dave Shields		8	
Fireman					
Extra					

No Injuries Reported This Tour

Signed Driller		Toolpusher		Approved by	
Leo Wagner		Ken Krupinski			
Toolpusher		Ken Krupinski			
Approved by					

Totco Ring on Bit No. D.P. Caliper Date

B.O.P. Test-Operated Time

Results

Boiler in Operation

Toolpusher

Approved by

CONSERVATION BOARD COPY

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Rig# 1 Location Tathine Lake I-72 Job# 9331 Date Feb 5 1974

From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS			FORMATION		OIL		FUEL		WATER		Stands		REMARKS		Start		Time		Interval				
1454		100		2554		4 1/4		6 1/4		19 6 3/4 2 1/4 4 5/8											1774				1200		1215		15				
No.		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed		Hrs.		CONDITION		D. Collars		C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL	
4		7 1/2		X 1/2		3-13		64190		25		110		100		1 1/4		60		1		DRILL		561		100		900		1			
MUD		12 Mn.		2 a.m.		4 a.m.		6 a.m.		Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change						Other Ft.		C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL			
WEIGHT		9.3		4.3		2.2		3.1														C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
VISCOSITY		34		34		1-2		60		1000												C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
GEL																						C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
No. 1		Pres. Sure		1																		C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Model		S.P.M.																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
No. 2		Pres. Sure																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Model		S.P.M.																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Liner Size																						C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
No. 1		Pres. Sure																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Model		S.P.M.																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
No. 2		Pres. Sure																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Model		S.P.M.																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Liner Size																						C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
No. 1		Pres. Sure																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Model		S.P.M.																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
No. 2		Pres. Sure																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Model		S.P.M.																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Liner Size																						C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
No. 1		Pres. Sure																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Model		S.P.M.																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
No. 2		Pres. Sure																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Model		S.P.M.																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Liner Size																						C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
No. 1		Pres. Sure																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Model		S.P.M.																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
No. 2		Pres. Sure																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Model		S.P.M.																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Liner Size																						C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
No. 1		Pres. Sure																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Model		S.P.M.																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
No. 2		Pres. Sure																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Model		S.P.M.																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Liner Size																						C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
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Model		S.P.M.																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Liner Size																						C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
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Model		S.P.M.																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
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Model		S.P.M.																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
Liner Size																						C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
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Model		S.P.M.																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					
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No. 1		Pres. Sure																				C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL					

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Rig# 1 Location Tall Lake E-72

Job# 7331

Date Feb 4 1974

REMARKS

From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		FUEL		WATER		REMARKS		Start		Stop		Interval	
No.	Size	Type	Size Jts	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Stands	Singles	D. Collars	Other Ft.	C.B. Ft.	Subs. Ft.	Ft. Up On Kelly	Next Slip	Company Time	Cont'r Time	Start	Stop	Interval					
2080		165		22 45		6 1/2		68.1		17 1/2 2 1/4 45 M												Drill 7 1/2 Hole		12:00		1:00		1	
3		7 1/4		XIG		5 13		64779		25		110		39								Survey R. & Service. Dr.		1:00		1:20		1/2	
3		7 1/4		XIG		5 13		64779		25		110		39								Drill 7 1/2 Hole		1:20		2:00		1	
3		7 1/4		XIG		5 13		64779		25		110		39								Work on pump, 1 1/2 Valve		2:00		3:00		1	
3		7 1/4		XIG		5 13		64779		25		110		39								Co. (Washed out)							
3		7 1/4		XIG		5 13		64779		25		110		39								Drill 7 1/2 Hole		3:00		8:00		4 1/2	
3		7 1/4		XIG		5 13		64779		25		110		39															
3		7 1/4		XIG		5 13		64779		25		110		39															
3		7 1/4		XIG		5 13		64779		25		110		39															
3		7 1/4		XIG		5 13		64779		25		110		39															
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3		7 1/4		XIG		5 13		64779		25		110		39								</							

DAILY DRILLING REPORT

Date Feb 3 1954

REMARKS

JOMAX DRILLING LIMITED

Rig# _____ Location _____
Job# _____ Date Feb 3 1974

W.L.		F.C.		7 1/2		8																			
From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		Standby							
1850		230		2090		7 1/2		68M		19 6428 45M						FUEL		149							
																Singles									
																WATER									
BITS	No. 3		Size 7/8		Type X16		Size 3-15		Serial No. 64779		Weight 23		R.P.M. 110		Ft. Drilled 230		Hrs. Foot Reamed 12		Hrs.		CONDITION DRLG		D. Collars 361		
																							Other Ft.		
MUD		4 p.m.		6 p.m.		8 p.m.		10 p.m.		Additives		At Surveys Degree 1770		MOTOR HOURS		Next Oil Change		C.B. Ft.							
WEIGHT										33 1/2 Gel-3600				1				Subs. Ft.							
VISCOSITY										Caustic 50				2											
GEL														3				Ft. Up On Kelly							
PUMPS	No. 1		Pressure Model S.P.M.		56		56		58						4				TOTAL 209						
															5										
	No. 2		Pressure Model S.P.M.								Size 1 1/8		No. Lines 6		TON MILES 30		TOTAL MILES 780		Slip Feet or Cut		Feet Left on Spool 2500		Next Slip 120		
													General												
W.L.		F.C.		pH.																					

[illegible]

DATE _____

Tour — Midnight - 8 a.m.	
Specify actual hours worked	Mrs.
Driller <i>Chaff Kozile</i>	8
Derrick <i>Keith Morrison</i>	8
Mater <i>Jerry Papoff</i>	8
Floor <i>August Sabray</i>	8
Floor <i>Kevin Mc Hale</i>	8
Fireman	
Extra	

No Injuries Reported This Tour ✓

Signed Driller Joe Smith

Tour — 8 a.m. to 4 p.m.	
Specify actual hours worked	Hrs.
Driller	CARNE CHURCH
Derrick	KEN JOHNSON
Motor	BILL COULDERWIE
Fl	BRIAN HOWEL
Hour	DAVE SCHMIDT
Fireman	BOB RANDALL
Extra	WILLIAM BUE
	C.A. JOE GULLAN

No Injuries Reported This Tour *✓*

Signed Driller James Blum

Tour — 4 p.m. - Midnight		
Specify actual hours worked	Hrs.	
Driller	Leo Wlognen	8
Derrick	Ken Krupinski	8
Motor	Martin Doll	8
Floor	Brad Jenson	8
Floor		
Fireman		
Extra		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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Signed Driller Feb 1964

Toolpusher *Kent H. [unclear]*

Total Ring on Bit No. _____ D.P. Calipered Date _____

8 C.F. Test-Operated

Results

Boiler in Operation

Toolpusher

CONFIDENTIAL

CONSERVATION BOARD COPY

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Rig# 1 Location Pacific H-3 Thothling I-72 Job# 7331

Date Feb-2 1974

REMARKS

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS			FORMATION		OIL	Stands	
965	244	1209	82	5949	No.	O.D.	I.D.	Wgt.				
					64	2 1/4	1 1/2	45				
B.I.T.S.												
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	
2	7 1/2	X 16	3-13	64183	30M	110	314					
MUD												
WEIGHT 8.17 8.9 9.9 9.2												
VISCOSITY Water												
GEL												
No. 1	Pressure	1000	1000	1000								
Model	S.P.M.	42	45	45								
Liner	Size	6										
No. 2	Pressure											
Model	S.P.M.											
Liner	Size											
W.L. F.C. pH.												

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS			FORMATION		OIL	Stands	
109	91	1300	31	60119	No.	O.D.	I.D.	Wgt.				
					64	2 1/4	1 1/2	45				
B.I.T.S.												
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	
2	7 1/2	X 16	3-13	64777	30M	110	405	10 24				
MUD												
WEIGHT 9 9												
VISCOSITY 4 4												
GEL												
No. 1	Pressure	1000	1000	1000								
Model	S.P.M.	42	45	45								
Liner	Size	6										
No. 2	Pressure											
Model	S.P.M.											
Liner	Size											
W.L. F.C. pH.												

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS			FORMATION		OIL	Stands	
1300	205	1505	74	61M	No.	O.D.	I.D.	Wgt.				
					64	2 1/4	1 1/2	45				
B.I.T.S.												
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	
2	7 1/2	X 16	3-13	64783	30M	110	610	20				
MUD												
WEIGHT 9.17 8.9												
VISCOSITY 4 4												
GEL												
No. 1	Pressure	1000	1000	1000								
Model	S.P.M.	42	45	45								
Liner	Size	6										
No. 2	Pressure											
Model	S.P.M.											
Liner	Size											
W.L. F.C. pH.												

REMARKS			Start	Stop	Interval
Rig Service			8:00	8:15	1/4
Drill 7 1/2 Hole			8:15	1:00	2 3/4
Trotter swivel packing			1:00	1:15	1/4
Drill 7 1/2 Hole			1:15	3:40	2 1/2
Keller 1 Pump			3:40	3:50	1/10
Drill 7 1/2 Hole			3:50	8:00	4 1/2
SURVEY			7:00	7:30	3/10
DRILL			7:30	8:00	3/10
TOTAL					
Company Time			Cont'r Time		
Rig Service			8:00	8:15	1/4
Drill 7 1/2 Hole			8:15	10:00	1 3/4
SURVEY			10:00	10:10	1/10
Drill 7 1/2 Hole			10:10	10:30	2/10
Change swivel on goose neck			10:30	3:00	1 3/4
Drill 7 1/2 Hole			3:00	4:00	1
TOTAL					
Company Time			Cont'r Time		
Rig Service			4:00	4:15	1/4
Drill 7 1/2 Hole			4:15	12:00	7 3/4
TOTAL					
Company Time			Cont'r Time		

JOMAX DRILLING LIMITED

Rig# Location Date 19

Tour — Midnight - 8 a.m.

Specify actual hours worked Hrs.

Driller Cliff Kozicki 8

Derrick Keith Morrison 6

Motor Jessy Parise 6

Floor Lincol Sabey 4

Floor Kevin McHale 4

Fireman

Extra

No Injuries Reported This Tour

Signed Driller R. Kozicki

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked Hrs.

Driller CHANE CHURCH 8

Derrick KEN JOHNSON 8

Motor BRIAN COURTNEY 8

Floor BRIAN WAGNER 8

Floor DAVE SHIELDS 8

Fireman BOB KRAMER 10

Extra VIVIAN BUE 10

C. J. Joe Graham 7

No Injuries Reported This Tour

Signed Driller Louis A. Bue

Tour — 4 p.m. - Midnight

Specify actual hours worked Hrs.

Driller Leo Wagner 8

Derrick KEN KRAMER 8

Motor Martin Dahl 8

Floor Brad Sason 8

Floor

Fireman

Extra

No Injuries Reported This Tour

Signed Driller L. Wagner

Toolpusher

Approved by

Totco Ring on Bit No. D.P. Caliper Date

B.O.P. Test-Operated Time

Results

Boiler in Operation

Toolpusher

Results

Approved by

CONSERVATION BOARD COPY

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Rig# 1 Location Pacific - H-B Thathlona J 72 Job# 7331 Date Feb 1 1974

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS	FORMATION	OIL	REMARKS			
No.	Size	Type	Size Jaws	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
1	1 1/2	X14	3-15	63402	13.00	100	329	18			Drill
MUD											
WEIGHT 8.5											
VISCOSITY 40											
GEL											
PUMPS											
No. 1 Pressure 1000 1000 1000 1000											
Model S.P.M. 42 42 42 42											
Liner Size 6 6 6 6											
No. 2 Pressure											
Model S.P.M.											
Liner Size											
W.L. F.C. pH.											

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS	FORMATION	OIL	REMARKS			
No.	Size	Type	Size Jaws	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
1	1 1/2	X15	3-15	63402	13.00	100	110	15			Drill
MUD											
WEIGHT 8.1											
VISCOSITY 40											
GEL											
PUMPS											
No. 1 Pressure 1000 1000 1000 1000											
Model S.P.M. 42 42 42 42											
Liner Size 6 6 6 6											
No. 2 Pressure											
Model S.P.M.											
Liner Size											
W.L. F.C. pH.											

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS	FORMATION	OIL	REMARKS			
No.	Size	Type	Size Jaws	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
1	1 1/2	X15	3-15	63402	13.00	100	546	21			Hoist
2	1 1/2	X15	3-15	64783	25	110					Drill
MUD											
WEIGHT 8.1											
VISCOSITY 40											
GEL											
PUMPS											
No. 1 Pressure 1000 1000 1000 1000											
Model S.P.M. 42 42 42 42											
Liner Size 6 6 6 6											
No. 2 Pressure											
Model S.P.M.											
Liner Size											
W.L. F.C. pH.											

Totco Ring on Bit No. D.P. Calipered Date

B.O.P. Test-Operated Time

Results

Results

Boiler in Operation

Cont'r Time

Toolpusher

Approved by

CONSERVATION BOARD COPY

REMARKS

DATE Feb 1 1974

Start	Stop	Interval
12.00	1.00	
1.00	1.30	1/2
1.30		
9.00	6.00	
Company Time		
Cont'r Time		
Rig Service - Check B.O.P. 8:15 1/4		
APRIL 72 HOLE 7:15 7:15 1		
SURVEY 9:15 9:30 1/4		
DRILL 7 1/2 HOLE 9:30 1:30 4		
SURVEY 1:30 1:45 1/4		
DRILL 7 1/2 HOLE 1:45 4:00 2 1/4		
Rig Service 4:00 4:15 1/4		
DRILL 7 1/2 HOLE 4:15 6:30 2 1/4		
Hoist For Bit No. 1 6:30 8:00 1 1/2		
Run in with Bit No. 2 8:00 9:15 1 1/4		
Blow Kelly & Break Circulation 9:15 9:30 1/4		
DRILL 7 1/2 HOLE 9:30 12:00 2 1/2		
Company Time		
Cont'r Time		

JOMAX DRILLING LIMITED

Rig# 1 Location Thathlona Job# 7331 Date Feb 1 1974

Specify actual hours worked		Hrs.
Driller	CLISS KENZIE	
Derrick	KIRK HARRISON	
Motor	TERRY PARSONS	
Floor	WAGNER SHERMAN	
Floor	KEVIN HALE	
Fireman		
Extra		

No Injuries Reported This Tour

Signed Driller C. K. / 6

Tour - 8 a.m. to 4 p.m.

Specify actual hours worked		Hrs.
Driller	CHARNE CHURCH	8
Derrick	KEN JOHNSON	8
Motor	BILL COOPERMAN	8
Floor	BRAND DOWELL	8
Floor	DAN SHIELDS	8
Fireman	BOB KANDANA	10
Extra	WILLIAM BUE	10
C.P.	JOE GUARAN	8

No Injuries Reported This Tour

Signed Driller Lewis J. Smith

Tour - 4 p.m. - Midnight

Specify actual hours worked		Hrs.
Driller	Leo Wagner	8
Derrick	KEN KUDINSKI	8
Motor	MARTIN DOLL	8
Floor	BRAD SASON	8
Floor		
Fireman		
Extra		

No Injuries Reported This Tour

Signed Driller Leo Wagner

Toolpusher Ken Thuffing

Approved by

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Rig# 1 Location Pac-H.B THATHLINA J 72 Job# 7331

Date Jan 31 1974

REMARKS

DATE

JAN 31

From	Footage	To	Mrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS	FORMATION	OIL	Stands	REMARKS	Start	Time	Interval
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs. Feet Reamed	Mrs. CONDITION	D. Collars	Other Ft.	
349	7 1/2	AT 9	5-13	65402								
MUD 12 Mn. 2 a.m. 4 a.m. 6 a.m. Additives												
WEIGHT												
VISCOSITY												
GEL												
PUMPS												
W.L. F.C. pH.												
349	8 1/2	431.00										
MUD 8 a.m. 10 a.m. 12 Noon 2 p.m. Additives												
WEIGHT												
VISCOSITY												
GEL												
PUMPS												
W.L. F.C. pH.												
431	11 1/2	542	7	45M	16 6 1/4	11 1/2	11 1/2	11 1/2	11 1/2			
MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. Additives												
WEIGHT												
VISCOSITY												
GEL												
PUMPS												
W.L. F.C. pH.												

Totco Ring on Bit No. 1 D.P. Calipered Date

B.O.P. Test-Operated Time

Results

Boiler in Operation

Toolpusher

Approved by

CONSERVATION BOARD COPY

JOMAX DRILLING LIMITED

Rig# 1 Location Pacific Job# 7331 Date Feb 1 1974

Tour - Midnight - 8 a.m.

Specify actual hours worked Hrs.

Driller Leo Wagner 12

Derrick Ken Krupinski 12

Motor Martin Doll 12

Floor Brad Jason 12

Fireman

Extra

No Injuries Reported This Tour

Signed Driller

Tour - 8 a.m. to 4 p.m.

Specify actual hours worked Hrs.

Driller Cliff Kenzie 9

Derrick Keith Morrison 8

Motor Garry K. R. 4

Floor August S. 4

No Injuries Reported This Tour

Signed Driller

Tour - 4 p.m. - Midnight

Specify actual hours worked Hrs.

Driller CAINE CHURCH 8

Derrick Ken INMAN 8

Motor BILL CORP. 8

Floor R. H. 8

Floor BRUCE SHARLES 8

No Injuries Reported This Tour

Signed Driller

Toolpusher

Approved by

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Rig# 1 Location PAC. HB. THATHLINA

J 22 Job# 7331

Date Jan 30 1974

REMARKS

DATE Jan 30

From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS			FORMATION		OIL		WATER		Stands		
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION	D. Collars	Other Ft.	C.B. Ft.	Subs. Ft.	Ft. Up On Kelly	TOTAL	Slip	Feet Cut	Feet Left on Spool	Next Slip
MUD																					
WEIGHT																					
VISCOSITY																					
GEL																					
PUMPS																					
W.L.																					
F.C.																					
pH.																					

REMARKS		Start	Stop	Interval
Wait Finish welding cas. Bow		12.00	12.30	1/2
Pickup B.O.P. & Bottom Planges		12.30		
			8:00	7 1/2

From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS			FORMATION		OIL		WATER		Stands		
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION	D. Collars	Other Ft.	C.B. Ft.	Subs. Ft.	Ft. Up On Kelly	TOTAL	Slip	Feet Cut	Feet Left on Spool	Next Slip
MUD																					
WEIGHT																					
VISCOSITY																					
GEL																					
PUMPS																					
W.L.																					
F.C.																					
pH.																					

REMARKS		Start	Stop	Interval
Rig up & Change Rams		8:00		
Make up hydro. Lines & make up flowline				4 1/2 8

From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS			FORMATION		OIL		WATER		Stands		
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION	D. Collars	Other Ft.	C.B. Ft.	Subs. Ft.	Ft. Up On Kelly	TOTAL	Slip	Feet Cut	Feet Left on Spool	Next Slip
MUD																					
WEIGHT																					
VISCOSITY																					
GEL																					
PUMPS																					
W.L.																					
F.C.																					
pH.																					

REMARKS		Start	Stop	Interval
Rig To PRESSURE TEST BING		4:00		
RAMS			4:30	1/2
PRESSURE TEST BING RAM 1000 PSI		4:30	4:45	1/4
Rig FROM & RUN IN		4:45		
PICK UP COLLAR		5:45		1
DRILL HOUSE HOLE		5:45	8:00	2 1/4
CHANGE WASH PIPE & PACKING		8:00		
SWIVEL CHANGE STAND IN		12:00		4
BONNET ON SWIVEL				

From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS			FORMATION		OIL		WATER		Stands		
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Mrs.	Feet Reamed	Mrs.	CONDITION	D. Collars	Other Ft.	C.B. Ft.	Subs. Ft.	Ft. Up On Kelly	TOTAL	Slip	Feet Cut	Feet Left on Spool	Next Slip
MUD																					
WEIGHT																					
VISCOSITY																					
GEL																					
PUMPS																					
W.L.																					
F.C.																					
pH.																					

REMARKS		Start	Stop	Interval
Totco Ring on Bit No. 1				
B.O.P. Test-Operated				
D.P. Caliper Date				
Results				
Boiler in Operation				
Toolpusher				
Approved by				

CONSERVATION BOARD COPY

JOMAX DRILLING LIMITED

Rig# 1 Location PACIFIC

Job# 7331 Date Jan 30 1974

Tour — Midnight - 8 a.m.

Specify actual hours worked

Driller Leo Wagner 12

Derrick Ken Knapinski 12

Motor Martin Doll 12

Floor Brad Jason 12

Floor

Fireman

Extra

No Injuries Reported This Tour

Signed Driller Leo Wagner

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked

Driller Cliff Kinzie 9 1/2

Derrick Keith Morrison 9 1/2

Motor Jerry Harrell 9 1/2

Floor August Sobu 9 1/2

Floor

Fireman

Extra

No Injuries Reported This Tour

Signed Driller D. Randolph

Tour — 4 p.m. - Midnight

Specify actual hours worked

Driller E. P. Church 12

Derrick Ken Johnson 12

Motor Bill Courtenay 12

Floor Brian Usher 12

Floor

Fireman

Extra

No Injuries Reported This Tour

Signed Driller Bruce Reed

Toolpusher

Approved by

DAILY DRILLING REPORT

Date Jan 22 1974

REMARKS

Rig# 1 Location *Barro Colorado*
Job# 7331 Date *June 28 1978*

DATE 8-1-78

[illegible]

Total Ring on Bit No. _____ D.P. Calipered Date _____

B.O.P. Test-Operated _____ Time _____

Results

Boiler in Operation

Toolpusher

... ..

Approved by

CONSERVATION BOARD COPY

Signed Driller

Tour — 4 p.m. - Midnight

Specify actual hours worked	Hrs.
-----------------------------	------

Driller	CAROL CHURCH	70	KN
Derrick	KEVIN JOHNSON	70	KN
Motor	BILL COURTNEY	70	KN
Floor	BRIAN VANCE	70	KN

No Injuries Reported This Tour

Signed Driller

Tealpusher

Approved by _____

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Rig# 1

Location TATHLINA

I-72

Job# 7331

Date Jan 27 1974

REMARKS

From		Footage		To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS			FORMATION		OIL		FUEL		WATER		Stands		REMARKS		Start	Stop	Interval	
No.	Size	Type	Size Jots	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Singles		D. Collars		Other Ft.		C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL	
316	35	352	7	8	1642	30	352	20			Single														
MUD		12 Mm.	2 a.m.	4 a.m.	6 a.m.	Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change													
WEIGHT		9.1	9.1	9.1	9.1			352		1															
VISCOSITY		150	150	140	140					2															
GEL										3															
PUMPS		No. 1	Pressure	700						4															
Model		S.P.M.								5															
No. 2		Pressure								5															
Model		S.P.M.								5															
Liner Size										5															
General																									
W.L.																									
F.C.																									
pH.																									
From		Footage		To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS			FORMATION		OIL		FUEL		WATER		Stands		REMARKS		Start	Stop	Interval	
No.	Size	Type	Size Jots	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Singles		D. Collars		Other Ft.		C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL	
2	12 1/4	X16		63291																					
MUD		8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change													
WEIGHT						GEL 11 SX		321		1															
VISCOSITY		20	20	20	20	SANDUST 12 SX				2															
GEL						LIME 1 SX				3															
PUMPS		No. 1	Pressure							4															
Model		S.P.M.								5															
No. 2		Pressure								5															
Model		S.P.M.								5															
Liner Size										5															
General																									
W.L.																									
F.C.																									
pH.																									
From		Footage		To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS			FORMATION		OIL		FUEL		WATER		Stands		REMARKS		Start	Stop	Interval	
No.	Size	Type	Size Jots	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Singles		D. Collars		Other Ft.		C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL	
2	12 1/4	X16		63291																					
MUD		4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change													
WEIGHT						GEL 15 SX				1															
VISCOSITY						SANDUST 20 SX				2															
GEL						FIBER 6 SX				3															
PUMPS		No. 1	Pressure			LIME 1 SX				4															
Model		S.P.M.								5															
No. 2		Pressure								5															
Model		S.P.M.								5															
Liner Size										5															
General																									
W.L.																									
F.C.																									
pH.																									
From		Footage		To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS			FORMATION		OIL		FUEL		WATER		Stands		REMARKS		Start	Stop	Interval	
No.	Size	Type	Size Jots	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Singles		D. Collars		Other Ft.		C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL	
2	12 1/4	X16		63291																					
MUD		4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change													
WEIGHT						GEL 15 SX				1															
VISCOSITY						SANDUST 20 SX				2															
GEL						FIBER 6 SX				3															
PUMPS		No. 1	Pressure			LIME 1 SX				4															
Model		S.P.M.								5															
No. 2		Pressure								5															
Model		S.P.M.								5															
Liner Size										5															
General																									
W.L.																									
F.C.																									
pH.																									

Totco Ring on Bit No.

D.P. Caliper Date

Results

Boiler in Operation

Toolpusher

B.O.P. Test-Operated

Time

Results

Approved by

CONSERVATION BOARD COPY

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Rig# 1 Location TATHLINA I-72 Job# 73-31 Date Jan 26 1974

From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS				FORMATION		OIL		FUEL		WATER		Stands		REMARKS		Start		Time		Interval			
No.		Size		Type		Size Jets		Serial No.		Weight		R.P.M.		Ft. Drilled		Hrs.		Feet Reamed		Hrs.		CONDITION		D. Collars		C.B. Ft.		Subs. Ft.		Ft. Up On Kelly		TOTAL	
1		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Rise to spool		1900		1 00		1			
2		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Work on pump		2000		2 00		1			
3		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Clean cement out of hole		2100		3 00		2			
4		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Pick up 7" W.C.		2200		4 00		2			
5		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Put 7" W.C. in		2300		5 00		2			
6		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								TOTAL		75.00							
7		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Company Time									
8		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Cont'r Time									
9		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								R.G. Service		2400		6 00		1 1/2			
10		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Drill 12 1/2" hole		2500		7 30		1			
11		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								SURVEY		2600		8 30		1			
12		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Drill 12 1/2"		2700		9 30		1			
13		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								TOTAL		177.00							
14		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Company Time									
15		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Cont'r Time									
16		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								R.G. Service		2800		10 00		1 1/2			
17		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Drill		2900		11 00		1 1/2			
18		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								SURVEY		3000		12 00		1 1/2			
19		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Drill		3100		13 00		1 1/2			
20		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								SURVEY		3200		14 00		1 1/2			
21		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Drill		3300		15 00		1 1/2			
22		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								TOTAL		316							
23		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Company Time									
24		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Cont'r Time									
25		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								R.G. Service		3400		16 00		1 1/2			
26		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Drill		3500		17 00		1 1/2			
27		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								SURVEY		3600		18 00		1 1/2			
28		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Drill		3700		19 00		1 1/2			
29		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								TOTAL		316							
30		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Company Time									
31		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Cont'r Time									
32		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								R.G. Service		3800		20 00		1 1/2			
33		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Drill		3900		21 00		1 1/2			
34		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								SURVEY		4000		22 00		1 1/2			
35		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Drill		4100		23 00		1 1/2			
36		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								TOTAL		316							
37		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Company Time									
38		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Cont'r Time									
39		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								R.G. Service		4200		24 00		1 1/2			
40		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Drill		4300		25 00		1 1/2			
41		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								SURVEY		4400		26 00		1 1/2			
42		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Drill		4500		27 00		1 1/2			
43		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								TOTAL		316							
44		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Company Time									
45		1 1/2		2 1/2		2 1/2		65245		25		10		45		2								Cont'r Time									

Totco Ring on Bit No. D.P. Calipered Date

B.O.P. Test-Operated

Time

Results

Results

Boiler in Operation

Toolpusher

Approved by

CONSERVATION BOARD COPY

REMARKS

DATE Jan 26

JOMAX DRILLING LIMITED

Rig# 1 Location

Job# 7331 Date Jan 26 1974

Tour — Midnight — 8 a.m.

Specify actual hours worked Hrs.

Driller LEO WAGNER 8

Derrick KEN KRUPINSKI 8

Motor Martin Doll 8

Floor Brad Sason 8

Floor

Fireman

Extra

No Injuries Reported This Tour

Signed Driller LEO WAGNER

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked Hrs.

Driller C. KENNIC 8

Derrick Keith Morrison 8

Motor Steve Parole 8

Floor August Suter 8

Floor

Fireman Don Randall 10

Extra K. Vernon Ruc 10

CA. Joe Cullum 8

No Injuries Reported This Tour

Signed Driller

Tour — 4 p.m. - Midnight

Specify actual hours worked Hrs.

Driller CARNE CUNHA 8

Derrick KEN JOHNSON 8

Motor BILL COURTNEY 8

Floor BRIAN UNDER 8

Floor

Fireman

Extra

No Injuries Reported This Tour

Signed Driller

Toolpusher

Approved by

Toolpusher Kenneth J. [Signature]
Approved by [Signature]