

WELL COMPLETION DATA
RENSEIGNEMENTS SUR LES FORAGES

Drilling Authority No. 747
N° de l'autorisation de forage
Date issued Feb. 19/74
Date de délivrance

To be submitted in duplicate within thirty days after the completion, rework, abandonment, recompletion or suspension of every well.
À présenter en double dans les trente jours suivant l'achèvement, le remaniement, l'abandon et le reconditionnement de chaque puits, le réajustement ou la suspension.

Well Name & No. - Nom et N° du puits

PACIFIC HB N TATHLINA I-72A

Permit No. - N° de permis

4139

(Permittee, Licensee, Lessee) - (Détenant de permis ou de licence, du concessionnaire)

Hudson's Bay Oil & Gas Company

Exploratory Licence No. - N° de licence d'exploration

2012

(Operator) - (Exploitant)

Pacific Petroleum Ltd.

Exploratory Licence No. - N° de licence d'exploration

2008

LOCATION - EMPLACEMENT

Unit - Unité

I

Section

72

Grid - Étendue quadrillée

60-30-118-00

Latitude

60°21'30.5" N.

Longitude

118°13'17" W.

Unique Well Identifier - Code d'ordinateur

3021726030118000

Universal Well Location Reference - Références universelles d'emplacement du puits

Lat. 60.35847° N., Long. 118.22139° W.

	Date	Depth - Profondeur
Sounded / Début des travaux	Feb. 12/74	
Suspended / Suspension des travaux		
Resumed Operations / Reprise des travaux		
Finished Drilling / Forage terminé	Feb. 28	4275 - Driller 4279 - Logger
Deepened / Approfondissement		
Complete (Gas/Dil) / Achèvement (Gaz/Pénalité)		
Abandoned / Abandon	Mar. 5	4275
Rig Released / Fin des travaux	Mar. 5	4275

Rig No. / N° de la tour	1	Drilling Contractor / Entrepreneur en forage	Jomax
Elevation Gr. / Altitude du sol	1110.6	K.B. / du carré d'encadrement	1125.0
Contractor's Business Licence No. / N° de permis de l'entrepreneur	ET-1624		

CASING RECORD - TUBAGE

Casing Size (Inches) / Diamètre (en pouces)	Grade / Qualité	Weight / Poids	Amount / Longueur	Set at - Fixation à	Sacks of Cement and Additives / Sacs de ciment et d'additifs
1. 9 5/8"	K-S	32.3	483.20	480 K.B.	400 + 2% CaCl ₂
2.					
3.					
4.					
5.					
6.					

Geological Top / Sommet des formations	Log / Élévation / Profondeur	Core Record - Carottes
Jean Marie	1520 - 395	NIL.
Muskwa	3440 - 2315	
Slave Point	3634 - 2509	
Watt Mountain	3818 - 2693	
Sulphur Point	3830 - 2705	
Elk Point Dolo.	3901 - 2776	
Keg River Dolo.	4024 - 2899	Log Record - Diagrammes
Keg River LS	4105 - 2980	
Chinchaga	4206 - 3081	

Run / Série	Type of Log / Genre de diagramme	From - De	To - À
*1	Formation Density	3000	4278(4264)
1	Dual Induction	442	4273
1	Borehole Compensated	442	4269
*1	Compensated Neutron	3000	4264
*	These 2 logs combined		



Drilling Authority No. 747

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 TATHLINA 1-72A
Location: Unit 1 Section 72 Grid 60-30-118-0°
Latitude 60°21'305" N. Longitude 118°13'17" W.
From Established Reference Marker
Universal Well Location Reference Lat. 60.35847° N., Long. 118.22139° W.
Permit No. 4139 Lease No.

Hudson's Bay Oil & Gas Company

(Franchise, Licence, Lease)

Date of commencement of proposed program March 4, 1974

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at Nil.

Gas at Nil.

Water at 4200-75, 3910-90

Total Depth 4275

Date of last operations

March 4, 1974

Present condition of well

Waiting on abandonment.

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At	Sacks of Cement and Additives	Amount Pulled
1. 9 5/8"	32.3	483.20	480 K.B.	414 + 2% CaCl ₂	Nil.
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

No.	Flag	Geological Formation	Number of Sacks of Cement	Remarks
1	3768-4275	Slave Point	270	
2	3390-3490	Muskwa	92	Felt at 3375'.
3	1470-1570	Jean Marie	75	Felt at 1450'.
4	393- 493	Devonian	95	Felt at 370'.
5	Surface		5	

The following logs have been run Form. Dens., DTL, BHC, Comp. Neut.
Other operations proposed

Operations to be carried out by Jones Drilling Ltd.

Contractor Licence No. ET-1624

Address Calgary, Alberta

Address

Responsible Agent in field R. W. Nyffeler

P. O. Box 610, Ft. St. John, B.C.

Dated at Calgary, Alberta

this 5

Day of March 19 74

Signed by

Company

Pacific Petroleum Ltd.

Title Frontier Operations Manager

Operator's Exploratory Licence No.

2008

Note: -The District 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:

Dated

March 12

, 19

74

District Conservation Engineer



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 1-72A

Location: Unit I Section 72 Grid 60-30-118-00
 Latitude 60°21' 30.5" N Longitude 118°13'17" W
 Unique Well Identifier 3021726030118000
 Universal Well Location Reference Lat. 60.35847° N Long. 118.22139° W

Elevation: Ground 1108 (est.) K.H. 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. Acreage 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	Sacks of Cement
1. 9 5/8	36#	J-55	New	475	To Surface
2.					
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment. Hydril-Double Gate Shaffer

Water - 3414
 Gas - 3414, 3710
 Oil - Not anticipated

Well will be drilled with Rotary Rig No. 1 by Jonax Drilling Ltd.
 (Drilling Contractor or company)
 #210, 634 - Sixth Avenue S.W.
 Calgary, Alberta T2P 0S4

Responsible agent of applicant: E.C. Molnar
 At well R. W. Nyffeler Contractor's Business Licence No. ET 1624
 Address P.O. Box 610, Ft. St. John At registered office H. W. Leiper
 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 15 day of February 19 74

Signed by Title Frontier Operations Manager Operator's Licence No. 2008
 Company Pacific Petroleum Ltd.

(For Oil and Mineral Division use only)

APPROVED

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

Dated 19 February 19 74. District Conservation Engineer

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

Drilling Authority #747

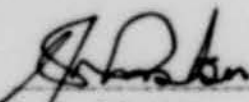
667-11-04-050

WELL HISTORY REPORT

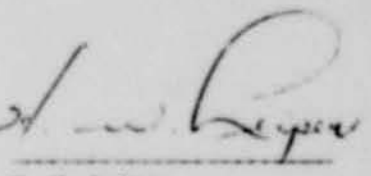
PACIFIC HB N TATHLINA I-72A

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

Compiled By:


C. G. Johnston

Submitted By:


H. W. Leiper,
Frontier Operations Manager

Date: March 26, 1974.

PACIFIC PETROLEUMS LTD.
WELL HISTORY REPORT

PACIFIC HB N TATHILINA I-72A

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PACIFIC PETROLEUMS LTD.
WELL HISTORY REPORT
PACIFIC HB N TATHLINA 1-72A

1. SUMMARY OF WELL DATA

(a) Well Name:	Pacific HB N Tathlina 1-72A
(b) Permittee:	Hudson's Bay Oil & Gas Ltd.
(c) Operator:	Pacific Petroleum Ltd. P. O. Box 6666 CALGARY, Alberta T2P 6T6
(d) Location:	Unit 1, Section 72 -60°21'30"5N, 118°13'17"W Grid: 60-30-118-00 - 3021726030118000 Lat. 60° 21' 30.5" 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:	747 - Issued Feb. 19/74
(i) Classification:	Exploratory
(j) Elevations:	Ground: 1110.6' (est.) K.B.: 1125.0' (est.) K.B. to Ground: 13.5'
(k) Date Spudded:	February 12, 1974
(l) Completed Drilling:	February 28, 1974
(m) Total Depth:	4275' - Driller: 4273 Logger
(n) Status:	Abandoned
(o) Date Drilling Rig Released:	March 5, 1974
(p) Hole Sizes to T.D.:	13 3/4" - 480' 8 3/4" - T.D.

PACIFIC PETROLEUMS LTD.
WELL HISTORY REPORT
PACIFIC HB N TATHLINA 1-72A

1. SUMMARY OF WELL DATA

(a) Well Name:	Pacific HB N Tathlina 1-72A
(b) Permittee:	Hudson's Bay Oil & Gas Ltd.
(c) Operator:	Pacific Petroleum Ltd. P. O. Box 6666 CALGARY, Alberta T2P 6T6
(d) Location:	Unit 1, Section 72 -60°21'30"5N, 118°13'17"W Grid: 60-30-118-00 - 3021726030118000 Lat. 60° 21' 30.5" 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:	747 - Issued Feb. 19/74
(i) Classification:	Exploratory
(j) Elevations:	Ground: 1110.6' (est.) K.B.: 1125.0' (est.) K.B. to Ground: 13.5'
(k) Date Spudded:	February 12, 1974
(l) Completed Drilling:	February 28, 1974
(m) Total Depth:	4275' - Driller: 4279 Logger
(n) Status:	Abandoned
(o) Date Drilling Rig Released:	March 5, 1974
(p) Hole Sizes to T.D.:	13 3/4" - 480' 8 3/4" - T.D.

Pacific HB N Tathlina 1-72A

1. SUMMARY OF WELL DATA - Cont'd.

(q) Casing:

Surface: Ran 12 jts. (483.20') 9 5/8" 32.3# K-S. ST&C Rge. 3 casing. Landed at 480' K.B., Howco insert float at 443.55' K.B. c/w 14 barrel cement scour ahead, 400 sacks Construction + 2% CaCl₂. Displaced plug with 35 barrels water at 6 5PM. Slurry weight 15.5#. Pumped plug with 1500#. Float held okay. Plug down 2:30 a.m. February 15, 1974. 2 barrels returns. Held okay in annulus.

Production: Nil.

2. GEOLOGICAL SUMMARY

(a) Formation Tops:

	Log		Sample	
	Subsea	Depth	Subsea	Depth
Jean Marie	- 395'	1520'	- 408'	1533'
Muskwa	-2315'	3440'	-2325'	3450'
Slave Point	-2509'	3634'	-2505'	3630'
Watt Mountain	-2693'	3818'	-2685'	3810'
Sulphur Point	-2705'	3830'	-2715'	3840'
Elk Point Dolomite	-2776'	3901'	-2775'	3900'
Keg River Dolomite	-2899'	4024'	-2895'	4020'
Keg River Limestone	-2980'	4105'	-2975'	4100'
Chinchaga	-3081'	4206'		

(b) Cored Intervals:

Nil.

(c) Core Descriptions:

Nil.

Pacific HB N Tathlina I-72A

3. ENGINEERING SUMMARY - Cont'd.

(f) Abandonment Plugs:

March 5, 1974

PLUG #4: 393-493 (100') c/w 95 sacks
Construction + 2% CaCl₂. Plug down 3:15
a.m. March 5, 1974. Felt at 370' 11:45 a.m.
March 5, 1974. Put 5 sacks in surface
casing, cut casing 3' below ground level,
weld on cap, installed well identifier.

(g) Lost Circulation Zones:

February 12, 1974 at 45'.
Lost 150 barrels mud. Recovered circulation
with 60 sacks sawdust and 5 sack filter seal.

(h) Report of Blowouts:

Nil.

4. LOGGING SUMMARY

(a) Logs:

FORMATION DENSITY

Run #1: 3000-4264 - March 1, 1974.

DIAL INDUCTION

Run #1: 442-4273 - March 1, 1974.

BOREHOLE COMPENSATED

Run #1: 442-4269 - March 1, 1974.

COMPENSATED NEUTRON

Run #1: 3000-4264 - March 1, 1974.

(b) Surveys:

Nil.

5. ANALYSIS

(a) Core Analysis:

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(b) Gas Analysis:

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(c) Oil Analysis:

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(d) Water Analysis:

E74-356-3	DST #2	C & G Lab.
E74-355-3	DST #1	C & G Lab.

2. GEOLOGICAL SUMMARY(a) Formation Tops:

<u>Formation</u>	<u>Sample</u>		<u>Log</u>	
	<u>Top</u>	<u>Subsea</u>	<u>Top</u>	<u>Subsea</u>
Jean Marie	1533'	- 408'	1520'	- 395'
Muskwa	3450'	-2325'	3440'	-2315'
Slave Point	3630'	-2505'	3634'	-2509'
Watt Mountain	3810'	-2685'	3818'	-2693'
Sulphur Point	3840'	-2715'	3830'	-2705'
Elk Point	3900'	-2775'	3901'	-2776'
Keg River Dolomite	4020'	-2895'	4024'	-2899'
Keg River	4100'	-2975'	4105'	-2980'
Limestone				
Chinchaga	4205'	-3080'	4206'	-3081'
Total Depth	4275'	-3150'	4276'	-3151'

(b) Core Record:

No cores were cut.

(c) Sample Descriptions:

- 3000 - 3050' Shale: light green to light grey green, slightly calcareous to calcareous, very silty, grading to siltstone in part, abundant Siltstone: light grey to light green grey, calcareous, minor Shale: medium red brown, minor Limestone: cream to buff, microcrystalline, silty, dense.
- 3050 - 3060' Shale: light grey, blocky, micromicaceous, silty in part, calcareous, Limestone: grey to occasional cream, crypto to occasional microcrystalline, argillaceous, silty in part, dense, minor Siltstone: light grey, calcareous.
- 3060 - 3120' Limestone: grey, cryptocrystalline, very argillaceous, silty in part, dense, grading in part to Shale: grey, blocky, slightly micromicaceous, very calcareous, silty in part.
- 3120 - 3250' Shale: grey, blocky, slightly micromicaceous, very calcareous, slightly silty, grading in part to Limestone: grey, cryptocrystalline, very argillaceous, slightly silty, dense.
- 3250 - 3260' Shale: as above, Shale: grey, blocky, micromicaceous, calcareous, slightly silty, minor Limestone: as above.
- 3260 - 3300' Shale: green grey, blocky, micromicaceous, slightly calcareous to calcareous, slightly silty in part, minor grey Shale: as above.

2. GEOLOGICAL SUMMARY CONTINUED

(c) Sample Descriptions Continued:

- 3300 - 3350' Shale: green grey, blocky, micromicaceous, slightly calcareous, slightly silty in part.
- 3350 - 3450' Shale: green grey, blocky, micromicaceous, slightly calcareous in part, occasional slight trace pyrite.
- MUSKWA 3450' (-2325')
- 3450 - 3470' Shale: dark grey brown to brown, fissile, micromicaceous, bituminous, calcareous in part, slightly silty, Siltstone: grey, slightly calcareous to calcareous in part, sandy in part, slightly bituminous, slight trace pyrite.
- 3470 - 3490' Shale: dark grey brown to black-brown, fissile, micromicaceous, bituminous, slightly calcareous, slightly silty, occasional Siltstone: as above, trace pyrite.
- 3490 - 3540' Shale: dark grey brown to black brown, fissile, micromicaceous, bituminous, slightly calcareous in part, minor green Shale: as above, trace Siltstone: as above, trace pyrite.
- 3540 - 3550' Shale: green, fissile, micromicaceous, slightly calcareous in part, brown Shale: as above, slight trace pyrite.
- 3550 - 3560' Green Shale: as above, minor brown Shale: as above, occasional pyrite.
- 3560 - 3600' Shale: dark grey to black to black brown, sub-fissile to blocky, micromicaceous, slightly bituminous, trace pyrite.
- 3600 - 3610' Limestone: cream, cryptocrystalline, dense, trace pyrite.
- 3610 - 3620' Limestone: cream to light grey, crypto to occasional microcrystalline, dense, Shale: light to medium grey, fissile, micromicaceous, slightly calcareous.
- 3620 - 3630' Shale: as above, minor Limestone: light grey, crypto-crystalline, dense, trace pyrite.
- SLAVE POINT 3630' (-2505')
- 3630 - 3660' Limestone: cream to medium brown to tan, cryptocrystalline to microcrystalline, fragmental, dense to trace leaching, trace pyrite.

2. GEOLOGICAL SUMMARY CONTINUED

(c) Sample Descriptions Continued:

- 3660 - 3700' Limestone: medium to dark brown to occasional light brown, crypto to microcrystalline, dense.
- 3700 - 3740' Limestone: light to medium to dark brown, crypto to microcrystalline, slight trace calcite veining, dense.
- 3740 - 3760' Limestone: medium to dark brown, crypto to microcrystalline, trace calcite veining, dense.
- 3760 - 3790' Limestone: medium to dark to occasional light brown, crypto to occasional microcrystalline, dense, trace pyrite.
- 3790 - 3800' Limestone: buff to brown, crypto to microcrystalline, dense.
- 3800 - 3810' Limestone: buff, crypto to occasional microcrystalline, dense.

WATT MOUNTAIN 3810' (-2685')

- 3810 - 3820' Limestone: as above, Shale: green grey, sub-fissile, micro-micaceous.
- 3820 - 3840' As above with occasional Limestone: cream, micro to crypto-crystalline, dense.

SULPHUR POINT 3840' (-2715')

- 3840 - 3850' Limestone: buff to buff cream to occasional buff, crypto to microcrystalline, slight trace leaching, dense.
- 3850 - 3860' Limestone: buff to buff cream, crypto to microcrystalline, trace leaching, occasional pyrobitumen, trace pyrite, slight trace pinpoint porosity.
- 3860 - 3870' Limestone: buff to cream buff, crypto to microcrystalline, trace leaching, dense.
- 3870 - 3880' Limestone: buff, crypto to micro to very fine crystalline, dolomitic, dense, Dolomite: medium brown, crypto to occasional very fine crystalline, calcareous in part, trace intercrystalline porosity.
- 3880 - 3900' Limestone: buff to cream buff to occasional cream, crypto-crystalline to microcrystalline, slightly dolomitic, dense, occasional Dolomite: buff, cryptocrystalline, dense.

ELK POINT 3900' (-2775')

- 3900 - 3910' Dolomite: medium brown, very fine crystalline, subhedral to trace euhedral, dense to trace poor intercrystalline porosity.

2. GEOLOGICAL SUMMARY CONTINUED

(c) Sample Descriptions Continued:

- 3910 - 3920' Dolomite: light to medium brown, micro to occasional very fine crystalline, calcareous in part, dense to trace poor porosity, Limestone: light brown, micro to cryptocrystalline, dolomitic in part, dense.
- 3920 - 3930' Dolomite: light to medium brown, micro to occasional very fine crystalline, slightly calcareous in part, dense to trace poor porosity.
- 3930 - 3940' Dolomite: medium brown, very fine to microcrystalline, subhedral to euhedral in small part, generally dense but occasional to trace of poor intercrystalline porosity.
- 3940 - 3960' Dolomite: medium to occasional dark brown, very fine to microcrystalline, trace porosity.
- 3960 - 3970' Dolomite: medium to occasional dark brown, very fine to fine crystalline, subhedral to euhedral in small part, occasional poor intercrystalline porosity.
- 3970 - 3980' Dolomite: light to medium brown, micro to very fine crystalline, slight trace porosity.
- 3980 - 3990' Anhydrite: light to medium brown, microcrystalline, dolomitic, dense, minor Dolomite: as above.
- 3990 - 4000' Dolomite: light to medium brown, microcrystalline, slightly calcareous, dense, minor Anhydrite: light brown to cream, microcrystalline, dolomitic, dense.
- KEG RIVER DOLOMITE 4020' (-2895')
- 4020 - 4040' Dolomite: medium brown, very fine crystalline, dense to trace porosity.
- 4040 - 4050' Dolomite: medium brown, fine to medium grained, subhedral to anhedral, trace coarse euhedral crystalline, poor intercrystalline porosity.
- 4050 - 4080' Dolomite: as above, occasional coarse euhedral dolomite crystal clusters, trace calcite crystal clusters, poor to occasional fair vuggy porosity.
- 4080 - 4090' Dolomite: light to medium brown, very fine to fine to occasional medium crystalline, occasional poor vuggy porosity.
- 4090 - 4100' Dolomite: medium to dark brown, very fine to fine to occasional medium crystalline, slightly calcareous in part, dense to trace poor porosity.

2. GEOLOGICAL SUMMARY CONTINUED

(c) Sample Descriptions Continued:

KEG RIVER LIMESTONE 4100' (-2975')

- 4100 - 4110' Limestone: medium to dark brown, micro to very fine crystalline, slightly dolomitic in part, Limestone: light brown, microcrystalline, dense.
- 4110 - 4120' Limestone: dark to light brown, crypto to microcrystalline to occasional very fine, slightly dolomitic in part, dense.
- 4120 - 4160' Limestone: dark to light brown, crypto to microcrystalline, dense.
- 4160 - 4190' Limestone: as above, slight trace calcite veining.
- 4190 - 4205' Limestone: as above.

CHINCHAGA 4205' (-3080')

- 4205 - 4210' Dolomite: medium to dark brown, fine to medium crystalline, subhedral to anhedral to trace euhedral, trace calcite veining, trace subhedral to euhedral dolomite crystal clusters indicating occasional poor porosity.
- 4210 - 4220' Dolomite: as above, but poor to occasional fair porosity.
- 4220 - 4230' Dolomite: medium to dark brown, fine to medium to coarse crystalline, subhedral to euhedral, occasional euhedral dolomite crystal clusters, fair to occasional good porosity.
- 4230 - 4240' Anhydrite: light to medium brown, microcrystalline, slightly dolomitic to dolomitic in part, trace Dolomite: as above, minor Dolomite: medium brown, microcrystalline, slightly anhydritic to anhydritic in part, dense.
- 4240 - 4250' Anhydrite: buff to white to light brown, microcrystalline, slightly dolomitic, interbedded with Dolomite: light to medium brown, slightly anhydritic, dense.
- 4250 - 4275' Anhydrite: buff to light brown, microcrystalline, slightly dolomitic in part, dense, occasional interbedded with Dolomite stringers: as above.

TOTAL DEPTH: 4275' (-3150')

3. ENGINEERING SUMMARY

(a) Drill Stem Tests:

DST #1: March 1, 1974 - 4200-4275 (Chinchaga)
59/60/56. FAB on PF, remaining steady.
WAB on flow period, decreasing to nil in 20
minutes. Recovered 180' gas cut mud, 1815'
salt water (Salinity - 107,700 ppm).
HP 2060/1955, SIP 1774/1749, FP 356/881.

DST #2: March 1, 1974 - 3910-3990 (Elk Point)
61/57/59. FAB on PF, WAB on flow, decreasing
to nil in 45 minutes. Recovered 3305' salt
water (Salinity - 90,200 ppm).
HP 1963/1969, SIP 1602/1560, FP 540/1478.

DST #3: March 3, 1974 - 3636-3666 (Slave Point)
MISRUN - unable to rotate tools.

DST #4: March 3, 1974 - 3636-3666 (Slave Point)
60/54/58. WAB on PF, no blow on flow period.
Recovered 2' drilling mud.
HP 1916/1760, SIP 134/71, FP 72/72.

(b) Casing Record:

See Page (2).

(c) Bit Record:

See Page

(d) Mud Record:

See Page

(e) Deviation Record:

See Page

(f) Abandonment Plugs:

March 4, 1974

PLUG #1: 3768-4275 (507') c/w 270 sacks
Construction. Plug down 8:30 a.m. March 4,
1974.

PLUG #2: 3390-3490 (100') c/w 92 sacks
Construction + 2% CaCl₂. Plug down 9:15 a.m.
March 4, 1974. Felt at 3375' 5:15 p.m.
March 4, 1974.

PLUG #3: 1470-1570 (100') c/w 75 sacks
Construction + 2% CaCl₂. Plug down 6:15 p.m.
March 4, 1974. Felt at 1450' 2:15 a.m.
March 5, 1974.

Pacific HB N Tathlina I-72A

7. DAILY DRILLING SUMMARY

<u>Date - 1974</u>	<u>Depth</u>	<u>Day</u>	<u>Footage</u>	<u>Well Status & General Information</u>
February 13	128	1	128	Drilling 15" hole. Spud 11:30 a.m. February 12, 1974. Hole condition fair. Rig was skidded 78' south. Circulation was lost at 45'. Lost 150 barrels. Regained with 60 sacks Sawdust and 5 sacks fiber seal.
February 14	440	2	312	Reaming. Hit boulder at 50'. At 124', 15" hole was 2" in deviation. Drilled from 124' - drld. 8 3/4" pilot hole to 480'. Then reamed hole to 13 3/4" hole.
February 15	480	3	40	Waiting on cement. Ran 9 5/8" casing.
February 16	480	4		Drilling on cement. Pressure tested blind rams to 1500# 15 minutes. Pressure tested 4 1/2" rams and hydril 15 minutes to 200#. Tested Kelly cock and motor shut down. Okay.
February 17	778	5	298	Drilling 8 3/4" hole. At 650', pulled Kelly to replace casing protector rubber on drill pipe. Went back in hole, could not drill due to iron on bottom. Pulled out, picked up junk sub. Ran back in, had trouble getting past 540'. Went to bottom and worked bit and junk sub. Pulled out. Recovered 12 1/2" iron. Reran bit and junk sub. At 540' K.B. pipe hung up. Turned pipe for 1/2 hour, dropped through, went back to bottom and drilled ahead. Recovered 2 large pieces of iron.
February 18	1235	6	457	Drilling. Hole condition good. Waiting on logging unit to run collar locator. While tripping bit, did not feel obstruction at 540'.
February 19	1633	7	398	Removing overshot from drill collars. Hole condition good. Ran collar locator, found bottom joint of casing at 577'-613'. Lost 300# pump pressure, picked up bit 5' from bottom, pipe parted. Pulled remainder. Ran in with American overshot with 6 1/4" basket grapple. Latched onto fish. Pulled and layed down fish.
February 20	2345	8	712	Drilling. Hole condition good.
February 21	2660	9	315	Drilling.
February 22	3070	10	410	Drilling.
February 23	3220	11	150	Drilling.
February 24	3537	12	317	Drilling.
February 25	3764	13	227	Drilling. Hole condition good.
February 26	4013	14	249	Drilling.

Pacific HB N Tathlina I-72A

7. DAILY DRILLING SUMMARY - Cont'd.

<u>Date - 1974</u>	<u>Depth</u>	<u>Day</u>	<u>Footage</u>	<u>Well Status & General Information</u>
February 27	4060	15	57	Dressing all drill collars. Hole condition good. Pipe backed off immediately below Kelly. Twisted off at 165' below Kelly and drill collars backed off at 3615' (leaving 15 collars in hole). Ran in with 8 1/4" over-shot and 6 1/8" slips. Rec'd 5 full singles and 14.5' of 6" single. Pipe was shattered vertically for 1.5". Dressed overshot with 4 3/8" slips. Latched onto fish and pulled same loose with 40,000#. Rec'd fish (all pipe and 5-6 1/4" collars). Leaving 4 1/2" XH box looking up. Pin was in good condition. Ran in with 4 1/2" XH pin looking down and screwed into fish. Broke circulation, pulled fish loose with 170,000#. Chained out of hole and laid down 4-6 1/4" collars (2 were damaged while fishing and 2 were slightly washed out).
February 28	4210	16	150	Drilling.
March 1	4275	17	65	Hoisting to log. Hole condition good. While hoisting to log pipe broke off flush with slips, while breaking connection. Ran in with 3 5/8" O.D. spear and pulled pipe.
March 2	T.D.	18		Hoisting DST #1: 4200-4275 (Chinchaga). Hole condition good.
March 3		19		Running DST #3: 3636-3666 (Slave Point). Ran DST #2: 3910-3990 (Elk Point).
March 4		20		Circulating on bottom with open end pipe to run Plug #1. DST #3: Misrun, unable to shut in tool after PF. Ran DST #4: 3636-3666 (Slave Point).
March 5		21		Waiting on cement (Plug #4). Ran Plug #1: 3768-4275. Plug #2: 3390-3490, Plug #3: 1470-1570, Plug #4: 393-493.
March 6		22		Tearing out rig and preparing to move. Laid down drill pipe and BOP's. Cut off bowl. Ran 5 sack plug in top of casing. Welded on plate and identifier. Rig released 4:00 p.m. March 5, 1974.

Pacific HB N Tathlina 1-72A

3. ENGINEERING SUMMARY - Cont'd.

(c) Bit Record:

Bit No.	Make	Type	Size	Serial No.	Hours On BTM	Depth		Footage	
						In	Out		
1A	Smith	DTJ	15	RETIP	9	0	143	143	5-4-1
2A	HW	XIG	8 3/4	62926	9 1/4	143	440	297	2-2-1
3A	HW	OSC3	13 3/4		10 1/2	143	480	377	
9 5/8" surface casing set at 480' K.B.									
1	HW	XIG	8 3/4	64027	31 1/2	480	1210	730	6-5-1
2	HW	XIG	8 3/4	62865	15 3/4	1210	1633	423	Twist off at 1633'.
3	HW	XIG	8 3/4	64008	31	1633	2508	875	4-3-1
4	HW	XIG	8 3/4	64001	33 1/4	2508	3126	618	4-4-1
5	HW	J55	8 3/4	61747	76	3126	4060	934	Pinched
6	HW	X55R	8 3/4	50872	27 1/2	4060	4275	215	1-1-1

Total Depth 4275' K.B.

(d) Mud Record:

Date 1974	Depth	Weight lbs/US gal.	Viscosity Secs.	Water Loss CC in 30"	Filter Cake 32nd In	pH	Remarks
Feb. 13	128	10.0	115				Sawdust Caustic Gel.
Feb. 14	440	10.0	100				Caustic Gel.
Feb. 15	480	10.0	100				Gel.
9 5/8" surface casing @ 480' K.B.							
Feb. 17	778	8.4	28				Bi-carb.
Feb. 18	1235	8.4	29				
Feb. 19	1633	8.4	29				
Feb. 20	2345	8.6	29				
Feb. 21	2660	8.7	29				
Feb. 22	3070	9.2	39	18.0	2/32	9.0	Gel Caustic CMC.
Feb. 23	3220	9.3	40	7.0	2/32	9.4	Gel Caustic CMC.
Feb. 24	3537	9.4	38	6.5	2/32	9.4	Gel Sawdust.
Feb. 25	3764	9.4	38	7.0	2/32	9.0	Gel.
Feb. 26	4013	9.5	38	8.0	2/32	11.0	Caustic Unical.
Feb. 27	4060	9.7	38	10.0	2/32	11.0	Soda Ash.
Feb. 28	4210	9.6	50	8.0	2/32	10.5	Gel Caustic Unical.
March 1	4275	9.6	70	8.0	2/32	10.5	Gel Caustic Unical.
March 2	4275	9.6	70	8.0	2/32	10.5	

Total Depth 4275' K.B.

Pacific HB H Tathlina I-72A

3. ENGINEERING SUMMARY - Cont'd.

(e) Deviation Record:

<u>Survey At</u>	<u>Deviation</u>
124'	2"
158'	1 1/3"
220'	2 1/4"
360'	1 1/8"
480'	1"
9 5/8" surface casing set at 480' K.B.	
650'	1/2"
747'	1/2"
997'	1/8"
1210'	1/2"
1433'	1/4"
1790'	0"
2133'	1/4"
2508'	1/2"
2922'	3/4"
3219'	1/4"
3500'	3"
3530'	3"
3580'	2 7/8"
3640'	3"
3701'	2 3/4"
3761'	2 1/2"
3820'	2 1/2"
3914'	2"
4000'	1 1/2"
4120'	1 1/2"
Total Depth 4275' K.B.	

PACIFIC PETROLEUMS LTD.

LABORATORY REPORT NUMBER: E74-356

E74-356-1: Top

RESISTIVITY: 0.179 Ohm-Meters @ 25° C.

Very muddy water with a yellowish filtrate.

E74-356-2: Middle

RESISTIVITY: 0.093 Ohm-Meters @ 25° C.

Slightly muddy water with a greenish filtrate.

H₂ S present.

- PAGE 2 -

PACIFIC PETROLEUMS LTD.

LABORATORY REPORT NUMBER: E74-355

E74-355-1: Top

RESISTIVITY: 0.157 Ohm-Meters @ 25° C.

Very muddy water with a yellowish filtrate.

E74-355-2: Middle

RESISTIVITY: 0.005 Ohm-Meters @ 25° C.

Muddy water with a light green filtrate.

H₂S present.

667-11-04-050

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Date MARCH 4 1974

REMARKS

JOMAX DRILLING LIMITED

Rig # 7331 Location PACIFIC H.B. N. TAILLINE 172-AJob # 7331 Date MARCH 4 1974Rig # 1 Location PACIFIC H.B. N. TAILLINE 172-A Job # 7331

From	To	Feetage	No. at Bottom	WT Drill String (1000 lbs)	DRILL COLLARS	FORMATION	OIL	FUEL	WATER	Shots
No.	Size	Type	Size Jan	Serial No.	Weight	S.P.M.	ft Drilled	ft. Feet Returned	ft. CONDITION	B. Corros
1	10	4275			DOWN					
MUD WEIGHT: 12.0 VISCOSITY: 100 GEL: 100 S.P.M.: 100 No. 1: 100 No. 2: 100 No. 3: 100 No. 4: 100 No. 5: 100 No. 6: 100 No. 7: 100 No. 8: 100 No. 9: 100 No. 10: 100 No. 11: 100 No. 12: 100 No. 13: 100 No. 14: 100 No. 15: 100 No. 16: 100 No. 17: 100 No. 18: 100 No. 19: 100 No. 20: 100 No. 21: 100 No. 22: 100 No. 23: 100 No. 24: 100 No. 25: 100 No. 26: 100 No. 27: 100 No. 28: 100 No. 29: 100 No. 30: 100 No. 31: 100 No. 32: 100 No. 33: 100 No. 34: 100 No. 35: 100 No. 36: 100 No. 37: 100 No. 38: 100 No. 39: 100 No. 40: 100 No. 41: 100 No. 42: 100 No. 43: 100 No. 44: 100 No. 45: 100 No. 46: 100 No. 47: 100 No. 48: 100 No. 49: 100 No. 50: 100 No. 51: 100 No. 52: 100 No. 53: 100 No. 54: 100 No. 55: 100 No. 56: 100 No. 57: 100 No. 58: 100 No. 59: 100 No. 60: 100 No. 61: 100 No. 62: 100 No. 63: 100 No. 64: 100 No. 65: 100 No. 66: 100 No. 67: 100 No. 68: 100 No. 69: 100 No. 70: 100 No. 71: 100 No. 72: 100 No. 73: 100 No. 74: 100 No. 75: 100 No. 76: 100 No. 77: 100 No. 78: 100 No. 79: 100 No. 80: 100 No. 81: 100 No. 82: 100 No. 83: 100 No. 84: 100 No. 85: 100 No. 86: 100 No. 87: 100 No. 88: 100 No. 89: 100 No. 90: 100 No. 91: 100 No. 92: 100 No. 93: 100 No. 94: 100 No. 95: 100 No. 96: 100 No. 97: 100 No. 98: 100 No. 99: 100 No. 100: 100										

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JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Date **MARCH 3 1974**

REMARKS

JOMAX DRILLING LIMITED
Office - 200 N. Main St. - Tulsa, Okla.Rig # **1**Location **PACIFIC N.W. TAILLINE - 1-72-A**Job # **7331**

REMARKS

DATE **MARCH 3/74**Job # **7331** Date **MARCH 3 1974**

Run	Footage	To	Wt. on Bottom	Wt. Drill String	Drill Collars	FORMATION	OIL	FUEL	WATER	Drill
No.	Size	Type	Size	Serial No.	Weight	W.T.M.	Wt. Drill	Wt.	Feet Burned	Wt.
1	4 1/2									367841
2	4 1/2									367842
3	4 1/2									367843
4	4 1/2									367844
5	4 1/2									367845
6	4 1/2									367846
7	4 1/2									367847
8	4 1/2									367848
9	4 1/2									367849
10	4 1/2									367850
11	4 1/2									367851
12	4 1/2									367852
13	4 1/2									367853
14	4 1/2									367854
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16	4 1/2									367856
17	4 1/2									367857
18	4 1/2									367858
19	4 1/2									367859
20	4 1/2									367860
21	4 1/2									367861
22	4 1/2									367862
23	4 1/2									367863
24	4 1/2									367864
25	4 1/2									367865
26	4 1/2									367866
27	4 1/2									367867
28	4 1/2									367868
29	4 1/2									367869
30	4 1/2									367870
31	4 1/2									367871
32	4 1/2									367872
33	4 1/2									367873
34	4 1/2									367874
35	4 1/2									367875
36	4 1/2									367876
37	4 1/2									367877
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39	4 1/2									367879
40	4 1/2									367880
41	4 1/2									367881
42	4 1/2									367882
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47	4 1/2									367887
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49	4 1/2									367889
50	4 1/2									367890
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96	4 1/2									367936
97	4 1/2									367937
98	4 1/2									367938
99	4 1/2									367939
100	4 1/2									367940

BRKDN DOWN D.S. RUNNING TOOLS 12:00
SERVICE & CLEAN UP 2:15 24
RIG SERVICE 2:15 24
MEASURE 9' W.P. 29121' 1/2" 4:15 24
1 H. DRILL P.W. - MAKE UP D.S. 4:15 24
13' IN. W.P. 3636-3666 4:15 24
TAKE UP D.S. #3- 4:15 24
MAKE UP 10 D.S. & NYRUL 6:30 24
MOTOR SHUT OFFS SEPARATE 7:00 1
TESTING - D.S. #3. 7:00 8:00 1

Company Time 2:00 2
Crew's Time 2:00 2
Hoist up D.S. #3 2:00 2
Service and clean tool 2:00 2
Break making up D.S. #4 12:00 2
Run in hole D.S. #4 2:00 2
Make up tool to floor line 2:00 2
Testing D.S. #4 2:00 1

Company Time 4:00 2
Crew's Time 4:00 2
Tool bit 4:00 2
Break down D.S. and 4:00 2
Run in hole D.S. #4 4:00 2
Make up tool to floor line 4:00 2
Testing D.S. #4 4:00 1

Company Time 4:00 2
Crew's Time 4:00 2
Tool bit 4:00 2
Break down D.S. and 4:00 2
Run in hole D.S. #4 4:00 2
Make up tool to floor line 4:00 2
Testing D.S. #4 4:00 1

Totes Ring on Bit No.

D.P. Caliper Date

Results

Boiler in Operation

Toolpusher

B.O.P. Test-Operated

Time

Results

CONSERVATION BOARD COPY

Hour - Midnight 8 a.m.
Specify actual hours worked Hrs.
Driller **EDWARD DAVIS** 12
Derrick **DAVE INMAN** 12
Motor **DOMINUS DAVISON** 8
Floor **CLARE INMAN** 12
Floor **RUSSEL DAVISON** 12
Foreman
Extra

No Injuries Reported This Tour
DOUGLAS DAVISON RIGMAN
WITH INJURY WITH 12:00
ON RIG 1:00 PM.

Signed Order **Ed Davis**

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

Specify actual hours worked Hrs.

Driller **Ed Davis** 8Derrick **Ed Davis** 8Motor **Ed Davis** 8Floor **Ed Davis** 8Floor **Ed Davis** 8

Foreman

Extra

No Injuries Reported This Tour

Signed Order **Ed Davis**

Hour - 4 p.m. to Midnight

Specify actual hours worked Hrs.

Driller **Ed Davis** 12Derrick **Ed Davis** 12Motor **Ed Davis** 12Floor **Ed Davis** 12Floor **Ed Davis** 12

Foreman

Extra

No Injuries Reported This Tour

Signed Order **Ed Davis**

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

Specify actual hours worked Hrs.

Driller **Ed Davis** 12Derrick **Ed Davis** 12Motor **Ed Davis** 12Floor **Ed Davis** 12Floor **Ed Davis** 12

Foreman

Extra

No Injuries Reported This Tour

Signed Order **Ed Davis**

Hour - 4 p.m. to Midnight

Specify actual hours worked Hrs.

Driller **Ed Davis** 12Derrick **Ed Davis** 12Motor **Ed Davis** 12Floor **Ed Davis** 12Floor **Ed Davis** 12

Foreman

Extra

IOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Date MARCH 2 1974

RESULTS

JOMAX DRILLING LIMITED

POLICE - MS # 1000009 + 726

No. 1

Location PACIFIC - N B - N TAINUNA 1-12-A Job # T331

REMARKS

Type	Passage	No. at Bottom	Drill Collars		FORMATION	OIL FUEL WATER	Strat.
			500 ft	Wt			
			100	100			
No.	Size	Type	Size	Type	Wt	COND.	D. Center
1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
4	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
5	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
6	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
7	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
8	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
9	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
10	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
11	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
12	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
13	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
14	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
15	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
16	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
17	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
18	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
19	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
20	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
21	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
22	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
23	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
24	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
25	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
26	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
27	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
28	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
29	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
30	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
31	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
32	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
33	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
34	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
35	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
36	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
37	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
38	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
39	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
40	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
41	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
42	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2

	Start	Stop	Balance
HIG SERVICE	12.00	12.15	2
TRIP IN D.S.T #1	12.15	2.00	134
HEAD UP TO TEST + NOON TO LEAVE	2.00	2.30	3
CHECK HYDRAUL + WIDION SHUTTLES	2.30	2.45	4
SET U.S. BRIDGE + TEST ENROUTE			
2.00 - H ₂ O ¹⁵	2.45	6.00	34
TRIP OUT DET #1	6.00	8.00	2

[illegible]

Company Time	Cost Time			
TRIP OUT EST # 1 st HILCOUL CRATER	8 ⁰⁰	9 ⁴⁵	1 ³⁰	
816 SERVICE & B.O.P	9 ⁴⁵	10 ⁰⁰		
BREAK DOWN W/ 9 SERVICE P.S	10 ⁰⁰			
REELS 118, 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, 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518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294,				

[illegible][illegible]**Twice Ring on Bit No**

D.P. Calipered Date

Results

Boiler in Operation

Test/pusher**Testpuck**

B.O.P. Test-Operated Machine 4's Reel

Major Snyder Aug 4

36 Adults WORKING Goss

0

Approved by _____

Approved by _____

Full-Service Registered Firm

Signed Driver *Ed. [unclear]*

Toolpusher *Kenneth A. Hunsley*

Approved by _____

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Date March 1 1974

REMARKS

Rig # 1Location PACIFIC N.B.N. TATULINA 1-12-AJob # 7331DATE MARCH 1 1974

JOMAX DRILLING LIMITED

Rig # 1 PACIFIC N.B.N. TATULINA 1-12-AJob # 7331 Date MARCH 1 1974

Run	Footage	To	Wt. at Bottom	Wt. Drill String (lbs)	DRILL COLLARS	FORMATION	OIL	FUEL	WATER	Stands
1	8 1/4	ADSR 3-14	5081							12:00
MUD WEIGHT 12.0 VISCOSITY 14 GEL 14										
No. of Turns 273 Motor Hours 273 Trip 1 No. Lines 6 TON MILES 6 TOTAL MILES 6 S.D. 1 Feet Cut 1 Feet Left at Spot 1 Next Stop 1										

Run	Footage	To	Wt. at Bottom	Wt. Drill String (lbs)	DRILL COLLARS	FORMATION	OIL	FUEL	WATER	Stands
2	8 1/4	ADSR 3-14	5081							12:15
MUD WEIGHT 12.0 VISCOSITY 14 GEL 14										
No. of Turns 273 Motor Hours 273 Trip 1 No. Lines 6 TON MILES 6 TOTAL MILES 6 S.D. 1 Feet Cut 1 Feet Left at Spot 1 Next Stop 1										

Run	Footage	To	Wt. at Bottom	Wt. Drill String (lbs)	DRILL COLLARS	FORMATION	OIL	FUEL	WATER	Stands
3	8 1/4	ADSR 3-14	5081							12:30
MUD WEIGHT 12.0 VISCOSITY 14 GEL 14										
No. of Turns 273 Motor Hours 273 Trip 1 No. Lines 6 TON MILES 6 TOTAL MILES 6 S.D. 1 Feet Cut 1 Feet Left at Spot 1 Next Stop 1										

RIG SERVICE
 WASH ON SEAR TO FISH IN PIPE
 NUTRIE DIE (C) SLIPS IN THERE
 PICK UP NUTRIE UP AT CUMMINGS
 RELEASE SPARK NUTRIE
 SPARK FISH & PULL UP TO NUTRIE
 TOOL JOINTS RELEASE SPARK
 LIVE DOWN END & DRILL COLLAR ABOUT 600
 TRIP OUT TO LOG & HUGGLO 600
 PIPE WCT.

Company Time 8:00
 Carr's Time 9:00
 FINISH TRIP OUT TO LOG
 RIG SCHWINGLER TO LOG
 LOG W/ SCHWINGLER 9:00
 Run down indicator & safety
 down log out of casing
 formation continuity log

Company Time 4:00
 Carr's Time 4:00
 1st cut 4:00
 2nd cut 4:00
 3rd cut 4:00
 4th cut 4:00
 5th cut 4:00
 6th cut 4:00
 7th cut 4:00
 8th cut 4:00
 9th cut 4:00
 10th cut 4:00

Twice Ring on Bit No.

D.P. Caliper Date

Results

Biller in Operation 24 APR 1

Toolpusher

B.O.P. Test-Operated

Time

Results

Approved by

CONSERVATION BOARD COPY

Tour -- Midnight - 8 a.m.
 Specify actual hours worked
 Driller 12
 Derrick 8
 Motor 12
 Floor 12
 Foreman 12
 Extra

No Injuries Reported This Tour

Signed Driller E. Adams

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

Specify actual hours worked
 Driller 5
 Derrick 5
 Motor 5
 Floor 5
 Foreman 5
 Extra

No Injuries Reported This Tour

Signed Driller G. K. G.

Tour -- 4 p.m. - Midnight

Specify actual hours worked
 Driller 12
 Derrick 12
 Motor 12
 Floor 12
 Foreman 12
 Extra

No Injuries Reported This Tour

Signed Driller G. K. G.

Toolpusher Paul Thompson

Approved by

DAILY DRILLING REPORT

Date FEBRUARY 26 1974

REMARKS

JOMAX DRILLING LIMITED

Page 1 *John 7351* Location *DAVIDSON, N.C. 28013*
John *7351* Date *January 25 1974*

Job #7351 Date: 6/25/74

Page 1

Location PACIFIC - H-B-N TATHANA - 1072-A

Job # **7331**

REMARKS

DATE FEB 26 - 1974

From	Feetage	To	Mr. Billings	Oil Collars	FORMATION	OIL	STOCK
3005	108 4013	7	78000	5 1/2 10		FUEL	337696
				10 18		WATER	Logan
Day	Time	Time	Time	Time	Time	CONDITION	D. Collins
5 8 1/2	3-59	5-14	6-14	39 000	60	Running	55-63
5 8 1/2				087	214		Oil
							C & H
MUD	12 in	2 in	3 in	4 in	Address	At Survey Degree	Notes
WEIGHT	9.5	6.5	9.5	9.5	39 14	2°	Sub
VISCOSITY	3d	4.5	5.1	5.8			At up On
Oil							Part
1	800	800	800	800			TOTAL
2	6	6	6	6			4013.59
3	6	6	6	6			
4	6	6	6	6			
5	6	6	6	6			
6	6	6	6	6			
7	6	6	6	6			
8	6	6	6	6			
9	6	6	6	6			
10	6	6	6	6			
11	6	6	6	6			
12	6	6	6	6			
13	6	6	6	6			
14	6	6	6	6			
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16	6	6	6	6			
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19	6	6	6	6			
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63	6	6	6	6			
64	6	6	6	6			
65	6	6	6	6			
66	6	6	6	6			
67	6	6	6	6			
68	6	6	6	6			
69	6	6	6	6			
70	6	6	6	6			

[illegible]

From	Postage	To	Mile on Bureau	Mile on Trip (1000 mi.)	No.	OD	ID	Wgt.	FORMATION	OIL FUEL WATER	Stand.		
4160	0	4100									4122		
P U M P	No.	Size	Type	Size	Serial No.	Weight	B.P.M.	St. Drilled	Mts.	Feet Runned	Mts.	CONDITION	Q. Column
	5 1/4"	5-55	3-M	4127	70								4128
													4129
													4130
MUD		4 p.m.	6 p.m.	8 p.m.	10 p.m.	Aspirator			At Surface Degree	MOTOR HOURS	Temp. of Mud	4131	
WEIGHT									1			4132	
VISCOSITY									2			4133	
GR.									3			4134	
No. 1									4			4135	
No. 2									5			4136	
No. 3									6			4137	
No. 4									7			4138	
No. 5									8			4139	
No. 6									9			4140	
No. 7									10			4141	
No. 8									11			4142	
No. 9									12			4143	
No. 10									13			4144	
No. 11									14			4145	
No. 12									15			4146	
No. 13									16			4147	
No. 14									17			4148	
No. 15									18			4149	
No. 16									19			4150	
No. 17									20			4151	
No. 18									21			4152	
No. 19									22			4153	
No. 20									23			4154	
No. 21									24			4155	
No. 22									25			4156	
No. 23									26			4157	
No. 24									27			4158	
No. 25									28			4159	
No. 26									29			4160	
No. 27									30			4161	
No. 28									31			4162	
No. 29									32			4163	
No. 30									33			4164	
No. 31									34			4165	
No. 32									35			4166	
No. 33									36			4167	
No. 34									37			4168	
No. 35									38			4169	
No. 36									39			4170	
No. 37									40			4171	
No. 38									41			4172	
No. 39									42			4173	
No. 40									43			4174	
No. 41									44			4175	
No. 42									45			4176	
No. 43									46			4177	
No. 44									47			4178	
No. 45									48			4179	
No. 46									49			4180	
No. 47									50			4181	

	WEEK	WEEK	WEEK
DRILL 8" HOLE	1200	115	1 1/2
RIG SERVICE - B.O.P. @ MOORE SH. DR.	115	150	1 1/2
TRAC HOLE SURVEY @ 3914	130	200	1 1/2
DRILL 8" HOLE	200	705	5 1/2
TRAC HOLE SURVEY	705	800	4

Company Time	Cont. Time
NIG SERVICE 37 E.B.P.'s PINE SWAMP	8 ⁰⁰ 8 ¹⁵ 4
DRILL 8 ¹ HALL	8 ¹⁵ 12 ⁰⁰ 2 ³⁴
© 1200 H2O - Last all wt + Pump Pressure Pump single stroke and down slowly Run in of 3 1/2" American 1200 H2O 1000 ft of 4" grade Lateral on 2 1/2" 1000 ft of 4" grade Lateral on 2 1/2" Run in of 4 1/2" grade Lateral on 2 1/2" 1000 ft of 4" grade Lateral on 2 1/2" (Sliding wt 78000) Start out up	

Campsite Time	Crest Time
Pull out on Hill (Crown Hill 845' N 1/2 long 850') Pull into 2nd place 561. Pull into 3rd place on top of 2nd hill (Barnes 845'). Pull into 4th place - 47. Pull 845' 11:20 2 1/2 3rd Hill 11:00 11:10 1 1/2 Pull into 5th place 11:20 1 1/2 Pull into 6th place 11:20 1 1/2	

Total Ring on Bit No. 5 O.P. Calipered Date _____

B.O.P. Test-Operated 4' 20" 11" 8"

Results

Results WARRICK, GORDBoiler in Operation 

CONSERVATION BOARD COPY

Testpusher

Approved:

Year - Midnight - 8 a.m.		
	Specify actual hours worked	Hrs.
Driver	JOHANN BURNS	12
	BOB McLEOD	8
Derrick		
Mechanic	BEULERS BRANSEN	12
Floor	DANCY JONES	3
Floor	RUSSEL WILKINSON	12
Foreman		
Extra		

All Inquiries Requested This Year

Signed Driver *E. Fernar*

Year — 8 a.m. to 4 p.m.
Specify actual hours worked

Driller

CARRIER	<i>Kelly Lau-Hoang D</i>
Motor	

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
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

VERLA SINGSAOK	10
MAH LAM LAM	10

WASH. STATE	10
WASH. STATE	10

[illegible]

Signed: _____

Yours — 4 p.m. — Midway

Specify actual hours worked	Hrs
_____	_____

Grades	Chubb Kamali	10
Detents	Karim Mousavi	8

Motor Jeep Patrol 40
 Tonne Jeep Patrol 12

Floor	Basin M Hole 10
Frame	

Extra	
-------	--

Fires Injuries Reported This Year

Signed Officer *J. L. L...*

Tolson _____

Approved by _____

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Date FEBRUARY 24 1974

REMARKS

JOMAX DRILLING LIMITED

Rig # 1 Location PACIFIC H.B. N-TATHUNG 1-12-A

Job # 7331 Date FEBRUARY 24 1974

Rig # 1 Location PACIFIC H.B. N-TATHUNG 1-12-A Job # 7331

From	To	Time	Rate	Drill Collars	FORMATION	OIL	FUEL	WATER	Remarks
89	3537	7	78000	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	RIG SERVICE - B.D.P.
89	3537	7	78000	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	DRILL 8" HOLE
89	3537	7	78000	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	TANK HOLE SURVEY - 1/2 HOLE
89	3537	7	78000	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	DRILL 8" HOLE

From	To	Time	Rate	Drill Collars	FORMATION	OIL	FUEL	WATER	Remarks
337	38	3625	78000	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	RIG SERVICE - B.D.P.
337	38	3625	78000	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	TANK HOLE SURVEY
337	38	3625	78000	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	DRILL 8" HOLE
337	38	3625	78000	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	Survey

From	To	Time	Rate	Drill Collars	FORMATION	OIL	FUEL	WATER	Remarks
342	64	3689	78000	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	Rig Service
342	64	3689	78000	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	Drill 8" Hole
342	64	3689	78000	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	Survey
342	64	3689	78000	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	Drill 8" Hole

Tolson Ring on Bit No. 5

D.P. Caliper Date

Results

Boiler in Operation

Toolpusher

Approved by

B.O.P. Test Operator

Time

Results

Boiler in Operation

Toolpusher

Approved by

DATE FEB 24 1974

Hour	Midnight - 8 a.m.	8 a.m. - 4 p.m.	4 p.m. - Midnight
Specify actual hours worked			
Driller	EDWARD DEMAS 12		
Derrick	BOB M'LEOD 12		
Motor	BONNIE BAUNSON 12		
Floor	DARCY JONES 12		
Fireman	RUSSELL PLUMMER 12		
Extra			

No Injuries Reported This Tour

Signed Driller Edward Demas

Hour	Midnight - 8 a.m.	8 a.m. - 4 p.m.	4 p.m. - Midnight
Specify actual hours worked			
Driller			
Derrick			
Motor			
Fireman			
Extra			

No Injuries Reported This Tour

Signed Driller Leo Wagner

Hour	Midnight - 8 a.m.	8 a.m. - 4 p.m.	4 p.m. - Midnight
Specify actual hours worked			
Driller	Leo Wagner 12		
Derrick	Ken Kynishki 12		
Motor	Martin Doll 12		
Floor	Brad Jasan 12		
Fireman	Dave Shields 12		
Extra			

No Injuries Reported This Tour

Signed Driller Leo Wagner

Toolpusher

Approved by

CONSERVATION BOARD COPY

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Date FEBRUARY 23, 1974

REMARKS

JOMAX DRILLING LIMITED

Rig # 1 Location PACIFIC H.E. N. THUNDER 12-A Job # 7331 Date FEB 23 1974

Rig # 1 Location PACIFIC H.E. N. THUNDER 12-A Job # 7331

From	To	Feet	Rate	Time	Drill Collar	Formation	Oil	Fuel	Water	Remarks
3120	90	3210	74	1800	8 1/2	DRILL				HIG SERVICE - BOP
3120	90	3210	74	1800	8 1/2	DRILL				DRILL B ₁ HOLE
3120	90	3210	74	1800	8 1/2	DRILL				HIGH SERVICE - BOP
3120	90	3210	74	1800	8 1/2	DRILL				DRILL B ₁ HOLE
3120	90	3210	74	1800	8 1/2	DRILL				HIGH SERVICE - BOP
3120	90	3210	74	1800	8 1/2	DRILL				DRILL B ₁ HOLE

From	To	Feet	Rate	Time	Drill Collar	Formation	Oil	Fuel	Water	Remarks
3210	105	3325	7 1/2	2315	8 1/2	DRILL				SERVICE RIG - BOP
3210	105	3325	7 1/2	2315	8 1/2	DRILL				DRILL B ₁ HOLE
3210	105	3325	7 1/2	2315	8 1/2	DRILL				HIGH SERVICE - BOP
3210	105	3325	7 1/2	2315	8 1/2	DRILL				DRILL B ₁ HOLE
3210	105	3325	7 1/2	2315	8 1/2	DRILL				HIGH SERVICE - BOP
3210	105	3325	7 1/2	2315	8 1/2	DRILL				DRILL B ₁ HOLE

From	To	Feet	Rate	Time	Drill Collar	Formation	Oil	Fuel	Water	Remarks
3325	123	3448	7 1/2	2715	8 1/2	DRILL				HIG SERVICE
3325	123	3448	7 1/2	2715	8 1/2	DRILL				DRILL B ₁ HOLE
3325	123	3448	7 1/2	2715	8 1/2	DRILL				HIGH SERVICE - BOP
3325	123	3448	7 1/2	2715	8 1/2	DRILL				DRILL B ₁ HOLE
3325	123	3448	7 1/2	2715	8 1/2	DRILL				HIGH SERVICE - BOP
3325	123	3448	7 1/2	2715	8 1/2	DRILL				DRILL B ₁ HOLE

Totals Ring on Bit No. 5 D.P. Caliper Date 8:15 A.M. Results WORKING Good

Company Time	Cost Time
3120	1800
3210	2315
3325	2715

Toolpusher [Signature] Approved by [Signature]

Tour	Midnight	8 a.m.
Driller	EDMUND DUMAS	12
Drill	DOUG ALLEN	12
Motor	DOUGLAS BRUNSON	12
Floor	DARCY JONES	12
Hooper	FRANKLIN	12

Tour	8 a.m.	4 p.m.
Driller	EDMUND DUMAS	12
Drill	DOUG ALLEN	12
Motor	DOUGLAS BRUNSON	12
Floor	DARCY JONES	12
Hooper	FRANKLIN	12

Tour	4 p.m.	Midnight
Driller	EDMUND DUMAS	12
Drill	DOUG ALLEN	12
Motor	DOUGLAS BRUNSON	12
Floor	DARCY JONES	12
Hooper	FRANKLIN	12

Toolpusher [Signature] Approved by [Signature]

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Date FEB 21 1974

Rig # 1

Location

PACIFIC N.E. N. TATHLING 1-12-A

Job# 7331

REMARKS

From	Feetage	To	No. on	Drill Collar	FORMATION	OIL	21450
2508	152	2660	74	631	100	10	10
No.	Size	Time	Serial No.	Weight	SPM	Drill	Condition
1	4	10	25	70	152	74	DRILLING
MUD							
Weight	87	87	Addition				
Viscosity	1000	1000	At Surface Degree				
SG	6	6	MOTOR HOURS				
No.	Size	Time	Serial No.	Weight	SPM	Drill	Condition
1	4	10	25	70	152	74	DRILLING
W.L.							

Remarks	1000	1000	4
RIG SERVICE - 200	1000	1000	4
DRILL 8" HOLE	1000	1000	4
AT THE VINEY 7" #1 PUMP	1000	1000	4
DRILL 8" HOLE	1000	1000	4
Company Time			
Cont. Time			

From	Feetage	To	No. on	Drill Collar	FORMATION	OIL	2334
2660	122	2782	74	661	100	10	10
No.	Size	Time	Serial No.	Weight	SPM	Drill	Condition
1	4	10	25	70	152	74	DRILLING
MUD							
Weight	87	87	Addition				
Viscosity	1000	1000	At Surface Degree				
SG	6	6	MOTOR HOURS				
No.	Size	Time	Serial No.	Weight	SPM	Drill	Condition
1	4	10	25	70	152	74	DRILLING
W.L.							

Remarks	1000	1000	4
RIG SERVICE - 200	1000	1000	4
DRILL 8" HOLE	1000	1000	4
AT THE VINEY 7" #1 PUMP	1000	1000	4
DRILL 8" HOLE	1000	1000	4
Company Time			
Cont. Time			

From	Feetage	To	No. on	Drill Collar	FORMATION	OIL	2334
2782	151	2933	74	671	100	10	10
No.	Size	Time	Serial No.	Weight	SPM	Drill	Condition
1	4	10	25	70	152	74	DRILLING
MUD							
Weight	87	87	Addition				
Viscosity	1000	1000	At Surface Degree				
SG	6	6	MOTOR HOURS				
No.	Size	Time	Serial No.	Weight	SPM	Drill	Condition
1	4	10	25	70	152	74	DRILLING
W.L.							

Remarks	1000	1000	4
RIG SERVICE - 200	1000	1000	4
DRILL 8" HOLE	1000	1000	4
AT THE VINEY 7" #1 PUMP	1000	1000	4
DRILL 8" HOLE	1000	1000	4
Company Time			
Cont. Time			

Tolson Ring on Bit No. 4

D.P. Colored Date

Results

Bailer in Operation

Telescope

B.O.P. Test-Operator

Name

Time

8:15 AM

Results

WORKING GOOD

CONSERVATION BOARD COPY

Approved by

JOMAX DRILLING LIMITED

Rig # 1 Location TATHLING 1-12-A Job# 7331 Date FEB 21 1974

Tour	8 a.m. - 4 p.m.
Specify actual hours worked	hrs
Driller	EDWARD DEINAS 12
Derrick	DOVE McLEOD 12
Motor	WILLIAMS WILSON 12
Flare	DANCE JONES 12
Flare	CLARK FINGERS 12
Fireman	
Extra	

No Injuries Reported This Tour

C. INGLAS BROOK 100
AND 2 T. IN. W. H. J. H.
SIGNED ON 1900

Signed Driller C. Inglas

Tour	4 p.m. - 8 p.m.
Specify actual hours worked	hrs
Driller	
Derrick	
Motor	
Flare	
Flare	
Fireman	
Extra	

No Injuries Reported This Tour

Signed Driller C. Inglas

Tour	8 p.m. - 4 a.m.
Specify actual hours worked	hrs
Driller	Leo Wayner 12
Derrick	Martin King 12
Motor	Martin Doll 12
Flare	Dave Tison 12
Flare	Dave Shields 12
Fireman	
Extra	

No Injuries Reported This Tour

Signed Driller Leo Wayner

Tolson Ring on Bit No.	
D.P. Colored Date	
B.O.P. Test-Operator	
Name	
Time	
Results	
Bailer in Operation	
Telescope	
Approved by	

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

DATE FEBRUARY 19, 74

Page 1

Location PARK - N.B. - N-TIMING - 1-72-A

Job# 7381

REFERENCES

DATE Feb 19 - 1974

JOMAX DRILLING LIMITED

Page 1 Location 1-74-2
Job 7531 Date Feb 19 1974

Lab 7331 Date Feb 19 1979

[illegible]

Name		Fasting		Sex		Date of Birth		Date of Exam		Height		Weight		BP		Pulse		Temp		Respiratory		Chest		Abdomen		Genitalia		Neurological		Skin		Mental		Total	
1634		366		1900		6'		62"		170		160		120		70		98		20		Chest		Abdomen		Genitalia		Neurological		Skin		Mental		Total	
1634		366		1900		6'		62"		170		160		120		70		98		20		Chest		Abdomen		Genitalia		Neurological		Skin		Mental		Total	
1634		366		1900		6'		62"		170		160		120		70		98		20		Chest		Abdomen		Genitalia		Neurological		Skin		Mental		Total	

From	Feetage	To	Wt. Drill String (LBS. DR)	DRILL COLLARS	FORMATION	OIL FUEL WATER	213	Event
1700	259	2159	72	63	15			152
1	9	16	5	6408	2225	85	9.9	66.2
2	9	16	5	6408	2225	85	9.9	66.2
3	9	16	5	6408	2225	85	9.9	66.2
4	9	16	5	6408	2225	85	9.9	66.2
5	9	16	5	6408	2225	85	9.9	66.2
6	9	16	5	6408	2225	85	9.9	66.2
7	9	16	5	6408	2225	85	9.9	66.2
8	9	16	5	6408	2225	85	9.9	66.2
9	9	16	5	6408	2225	85	9.9	66.2
10	9	16	5	6408	2225	85	9.9	66.2
11	9	16	5	6408	2225	85	9.9	66.2
12	9	16	5	6408	2225	85	9.9	66.2
13	9	16	5	6408	2225	85	9.9	66.2
14	9	16	5	6408	2225	85	9.9	66.2
15	9	16	5	6408	2225	85	9.9	66.2
16	9	16	5	6408	2225	85	9.9	66.2
17	9	16	5	6408	2225	85	9.9	66.2
18	9	16	5	6408	2225	85	9.9	66.2
19	9	16	5	6408	2225	85	9.9	66.2
20	9	16	5	6408	2225	85	9.9	66.2
21	9	16	5	6408	2225	85	9.9	66.2
22	9	16	5	6408	2225	85	9.9	66.2
23	9	16	5	6408	2225	85	9.9	66.2
24	9	16	5	6408	2225	85	9.9	66.2
25	9	16	5	6408	2225	85	9.9	66.2
26	9	16	5	6408	2225	85	9.9	66.2
27	9	16	5	6408	2225	85	9.9	66.2
28	9	16	5	6408	2225	85	9.9	66.2
29	9	16	5	6408	2225	85	9.9	66.2
30	9	16	5	6408	2225	85	9.9	66.2
31	9	16	5	6408	2225	85	9.9	66.2
32	9	16	5	6408	2225	85	9.9	66.2
33	9	16	5	6408	2225	85	9.9	66.2
34	9	16	5	6408	2225	85	9.9	66.2
35	9	16	5	6408	2225	85	9.9	66.2
36	9	16	5	6408	2225	85	9.9	66.2
37	9	16	5	6408	2225	85	9.9	66.2
38	9	16	5	6408	2225	85	9.9	66.2
39	9	16	5	6408	2225	85	9.9	66.2
40	9	16	5	6408	2225	85	9.9	66.2
41	9	16	5	6408	2225	85	9.9	66.2
42	9	16	5	6408	2225	85	9.9	66.2
43	9	16	5	6408	2225	85	9.9	66.2
44	9	16	5	6408	2225	85	9.9	66.2
45	9	16	5	6408	2225	85	9.9	66.2
46	9	16	5	6408	2225	85	9.9	66.2
47	9	16	5	6408	2225	85	9.9	66.2
48	9	16	5	6408	2225	85	9.9	66.2
49	9	16	5	6408	2225	85	9.9	66.2
50	9	16	5	6408	2225	85	9.9	66.2
51	9	16	5	6408	2225	85	9.9	66.2
52	9	16	5	6408	2225	85	9.9	66.2
53	9	16	5	6408	2225	85	9.9	66.2
54	9	16	5	6408	2225	85	9.9	66.2
55	9	16	5	6408	2225	85	9.9	66.2
56	9	16	5	6408	2225	85	9.9	66.2
57	9	16	5	6408	2225	85	9.9	66.2
58	9	16	5	6408	2225	85	9.9	66.2
59	9	16	5	6408	2225	85	9.9	66.2
60	9	16	5	6408	2225	85	9.9	66.2
61	9	16	5	6408	2225	85	9.9	66.2
62	9	16	5	6408	2225	85	9.9	66.2
63	9	16	5	6408	2225	85	9.9	66.2
64	9	16	5	6408	2225	85	9.9	66.2
65	9	16	5	6408	2225	85	9.9	66.2
66	9	16	5	6408	2225	85	9.9	66.2
67	9	16	5	6408	2225	85	9.9	66.2
68	9	16	5	6408	2225	85	9.9	66.2
69	9	16	5	6408	2225	85	9.9	66.2
70	9	16	5	6408	2225	85	9.9	66.2
71	9	16	5	6408	2225	85	9.9	66.2
72	9	16	5	6408	2225	85	9.9	66.2
73	9	16	5	6408	2225	85	9.9	66.2
74	9	16	5	6408	2225	85	9.9	66.2
75	9	16	5	6408	2225	85	9.9	66.2
76	9	16	5	6408	2225	85	9.9	66.2
77	9	16	5	6408	2225	85	9.9	66.2
78	9	16	5	6408	2225	85	9.9	66.2
79	9	16	5	6408	2225	85	9.9	66.2
80	9	16	5	6408	2225	85	9.9	66.2
81	9	16	5	6408	2225	85	9.9	66.2
82	9	16	5	6408	2225	85	9.9	66.2
83	9	16	5	6408	2225	85	9.9	66.2
84	9	16	5	6408	2225	85	9.9	66.2
85	9	16	5	6408	2225	85	9.9	66.2
86	9	16	5	6408	2225	85	9.9	66.2
87	9	16	5	6408	2225	85	9.9	66.2
88	9	16	5	6408	2225	85	9.9	66.2
89	9	16	5	6408	2225	85	9.9	66.2
90	9	16	5	6408	2225	85	9.9	66.2
91	9	16	5	6408	2225	85	9.9	66.2
92	9	16	5	6408	2225	85	9.9	66.2
93	9	16	5	6408	2225	85	9.9	66.2
94	9	16	5	6408	2225	85	9.9	66.2
95	9	16	5	6408	2225	85	9.9	66.2
96	9	16	5	6408	2225	85	9.9	66.2
97	9	16	5	6408	2225	85	9.9	66.2
98	9	16	5	6408	2225	85	9.9	66.2
99	9	16	5	6408	2225	85	9.9	66.2
100	9	16	5	6408	2225	85	9.9	66.2

[illegible]

Date - 11/10/81		No.
Specify actual hours worked		No.
Differ	DAVID A. CHAND	12
Derrick	DAVID SMALLER	12
Marion	DAVID S. HANSON	12
Floor	DANCE JONES	12
Floor	CLARK KINGAS	12
Foreman		
Extra		

No Injuries Reported This Tour	
Signed Driver <i>E. Herman</i>	
Tour — 8 a.m. to 2 p.m.	
Specify actual hours worked	Hrs.
Driver	
Derrick	
Motor	
Fuel	
Food	
Other	
<i>Dot Randal</i>	<i>10</i>
<i>Joe Ballard</i>	<i>10</i>

Two Injuries Reported This Year

Signed Driller

Tour — 4 p.m. - Midnight	
Specify actual hours worked	Hrs
Driller <u>Leo Wagner</u>	<u>12</u>
Derrick <u>Ken Krawinkel</u>	<u>12</u>
Mudlog <u>Harlan Ray</u>	<u>12</u>
Hoist <u>David Jason</u>	<u>12</u>
Hoist <u>Dave Shields</u>	<u>12</u>
Fireman	
Extra	

No Injuries Reported This Tour

Signed Order: *Lo. Wayne*
Testicular: *[Signature]*
Approved by: *[Signature]*

Totals Ring on Bit No.

D.P. Calipered Date

Results

Boiler in Operation

Tealpucho**Teelacker**

B.O.P. Test-Operated

Topic

Results

Agreed:

Approved by _____

CONSERVATION BOARD COPY

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Date Feb 17 1974

Rig # 126 7891 Pacific H.B.N To Milwau I-72 A Job 2331

Run	Feetage	To	Wt. on Bottom	Wt. Bit String (100 ft.)	DRILL COLLARS	FORMATION	OIL FUEL	WATER	CONCENTRATOR	Remarks
1	650	7891	245	20	20	20	20	20	20	20
MUD WEIGHT 12.5 S.G. 1.00										
VISCOSITY 1000										
GEL 1000										
MOTOR HOURS 1.00										
TON MILES 1.00										
TOTAL MILES 1.00										
S.W. 1.00										
CUT 1.00										
Next Trip 1.00										

Run	Feetage	To	Wt. on Bottom	Wt. Bit String (100 ft.)	DRILL COLLARS	FORMATION	OIL FUEL	WATER	CONCENTRATOR	Remarks
1	871	865	215	20	20	20	20	20	20	20
MUD WEIGHT 12.5 S.G. 1.00										
VISCOSITY 1000										
GEL 1000										
MOTOR HOURS 1.00										
TON MILES 1.00										
TOTAL MILES 1.00										
S.W. 1.00										
CUT 1.00										
Next Trip 1.00										

Run	Feetage	To	Wt. on Bottom	Wt. Bit String (100 ft.)	DRILL COLLARS	FORMATION	OIL FUEL	WATER	CONCENTRATOR	Remarks
1	965	965	215	20	20	20	20	20	20	20
MUD WEIGHT 12.5 S.G. 1.00										
VISCOSITY 1000										
GEL 1000										
MOTOR HOURS 1.00										
TON MILES 1.00										
TOTAL MILES 1.00										
S.W. 1.00										
CUT 1.00										
Next Trip 1.00										

Run	Feetage	To	Wt. on Bottom	Wt. Bit String (100 ft.)	DRILL COLLARS	FORMATION	OIL FUEL	WATER	CONCENTRATOR	Remarks
1	971	971	215	20	20	20	20	20	20	20
MUD WEIGHT 12.5 S.G. 1.00										
VISCOSITY 1000										
GEL 1000										
MOTOR HOURS 1.00										
TON MILES 1.00										
TOTAL MILES 1.00										
S.W. 1.00										
CUT 1.00										
Next Trip 1.00										

Run	Feetage	To	Wt. on Bottom	Wt. Bit String (100 ft.)	DRILL COLLARS	FORMATION	OIL FUEL	WATER	CONCENTRATOR	Remarks
1	971	971	215	20	20	20	20	20	20	20
MUD WEIGHT 12.5 S.G. 1.00										
VISCOSITY 1000										
GEL 1000										
MOTOR HOURS 1.00										
TON MILES 1.00										
TOTAL MILES 1.00										
S.W. 1.00										
CUT 1.00										
Next Trip 1.00										

Run	Feetage	To	Wt. on Bottom	Wt. Bit String (100 ft.)	DRILL COLLARS	FORMATION	OIL FUEL	WATER	CONCENTRATOR	Remarks
1	971	971	215	20	20	20	20	20	20	20
MUD WEIGHT 12.5 S.G. 1.00										
VISCOSITY 1000										
GEL 1000										
MOTOR HOURS 1.00										
TON MILES 1.00										
TOTAL MILES 1.00										
S.W. 1.00										
CUT 1.00										
Next Trip 1.00										

Torque Ring on Bit No. 1 D.P. Colored Date 8:00 AM
B.O.P. Test-Operated 11:00 AM

Results WORKING
Batter in Operation YES
Results 6000

Toolpusher Keith Johnson
Approved by

CONSERVATION BOARD COPY

REMARKS

DATE

JOMAX DRILLING LIMITED

Rig # 1 Location To 746.00 572
Job 7891 Date Feb 17 1974

Run	Feetage	To	Wt. on Bottom	Wt. Bit String (100 ft.)	DRILL COLLARS	FORMATION	OIL FUEL	WATER	CONCENTRATOR	Remarks
1	7891	7891	215	20	20	20	20	20	20	20
MUD WEIGHT 12.5 S.G. 1.00										
VISCOSITY 1000										
GEL 1000										
MOTOR HOURS 1.00										
TON MILES 1.00										
TOTAL MILES 1.00										
S.W. 1.00										
CUT 1.00										
Next Trip 1.00										

Run	Feetage	To	Wt. on Bottom	Wt. Bit String (100 ft.)	DRILL COLLARS	FORMATION	OIL FUEL	WATER	CONCENTRATOR	Remarks
1	865	865	215	20	20	20	20	20	20	20
MUD WEIGHT 12.5 S.G. 1.00										
VISCOSITY 1000										
GEL 1000										
MOTOR HOURS 1.00										
TON MILES 1.00										
TOTAL MILES 1.00										
S.W. 1.00										
CUT 1.00										
Next Trip 1.00										

Run	Feetage	To	Wt. on Bottom	Wt. Bit String (100 ft.)	DRILL COLLARS	FORMATION	OIL FUEL	WATER	CONCENTRATOR	Remarks
1	965	965	215	20	20	20	20	20	20	20
MUD WEIGHT 12.5 S.G. 1.00										
VISCOSITY 1000										
GEL 1000										
MOTOR HOURS 1.00										
TON MILES 1.00										
TOTAL MILES 1.00										
S.W. 1.00										
CUT 1.00										
Next Trip 1.00										

Toolpusher Keith Johnson
Approved by

DAILY DRILLING REPORT

CONCLUSIONS

Date Feb 16 1974

Rig# 1 Location Tethys-172
Job# 2331 Date Feb 14 1921

Job # 7331 Date Feb 14 1925

DATE _____

[illegible][illegible]

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

Testpusher

Approved by Km Jee Te

No Injuries Reported This Tour ✓

●

2

L. ...

Signed Driller *F. S. Wogrin*

Toolpusher *[Signature]*

Approved by _____

JOMAX DRILLING LIMITED

DAILY DRILLING REPORT

Date Feb 12 1974

REMARKS

JOMAX DRILLING LIMITED

Rig # 1 Location
Job # 2331 Date Feb 12 1974

Rig # 1 Location Telling Lake I-12-A Job # 2331

REMARKS

DATE

From	Footage	To	Hrs on Bottom	Wt Drill String (1000 lbs)	DRILL COLLARS	FORMATION	OIL	Stands
No	Size	Type	Size Jaws	Serial No	Weight	B.P.M	Feet Drilled	Hrs
MUD								
WRIGHT								
VISCOSITY								
GEL								
MOTOR HOURS								
Next Oil Change								
Subs Ft								
H Up On								
Belly								
TOTAL								
Size TRIPS								
No Lines								
TON MILES								
TOTAL MILES								
Sip								
Foot								
Cut								
Feet Left on Stand								
Next Sip								
General								
W.L.								
F.C.								
pH								

From	Footage	To	Hrs on Bottom	Wt Drill String (1000 lbs)	DRILL COLLARS	FORMATION	OIL	Stands
No	Size	Type	Size Jaws	Serial No	Weight	B.P.M	Feet Drilled	Hrs
MUD								
WRIGHT								
VISCOSITY								
GEL								
MOTOR HOURS								
Next Oil Change								
Subs Ft								
H Up On								
Belly								
TOTAL								
Size TRIPS								
No Lines								
TON MILES								
TOTAL MILES								
Sip								
Foot								
Cut								
Feet Left on Stand								
Next Sip								
General								
W.L.								
F.C.								
pH								

From	Footage	To	Hrs on Bottom	Wt Drill String (1000 lbs)	DRILL COLLARS	FORMATION	OIL	Stands
No	Size	Type	Size Jaws	Serial No	Weight	B.P.M	Feet Drilled	Hrs
MUD								
WRIGHT								
VISCOSITY								
GEL								
MOTOR HOURS								
Next Oil Change								
Subs Ft								
H Up On								
Belly								
TOTAL								
Size TRIPS								
No Lines								
TON MILES								
TOTAL MILES								
Sip								
Foot								
Cut								
Feet Left on Stand								
Next Sip								
General								
W.L.								
F.C.								
pH								

From	Footage	To	Hrs on Bottom	Wt Drill String (1000 lbs)	DRILL COLLARS	FORMATION	OIL	Stands
No	Size	Type	Size Jaws	Serial No	Weight	B.P.M	Feet Drilled	Hrs
MUD								
WRIGHT								
VISCOSITY								
GEL								
MOTOR HOURS								
Next Oil Change								
Subs Ft								
H Up On								
Belly								
TOTAL								
Size TRIPS								
No Lines								
TON MILES								
TOTAL MILES								
Sip								
Foot								
Cut								
Feet Left on Stand								
Next Sip								
General								
W.L.								
F.C.								
pH								

Company Time

Conf's Time

Tether Ring on Bit No.

D.P. Caliper Date

Results

Boiler in Operation

Toolpusher

B.O.P. Test-Operated

Time

Results

CONSERVATION BOARD COPY

Approved by

Specify actual hours worked	Hrs
Driller	8
Derrick	12
Motor	8
Floor	8
Floor	8
Fireman	8
Extra	

No Injuries Reported This Tour

Specify actual hours worked	Hrs
Driller	8
Derrick	12
Motor	8
Floor	8
Floor	8
Fireman	8
Extra	

No Injuries Reported This Tour

Specify actual hours worked	Hrs
Driller	8
Derrick	12
Motor	8
Floor	8
Floor	8
Fireman	8
Extra	

No Injuries Reported This Tour

Specify actual hours worked	Hrs
Driller	8
Derrick	12
Motor	8
Floor	8
Floor	8
Fireman	8
Extra	

Approved by

BJ

BORG X WARNER

DRILL STEM TEST REPORT

PACIFIC H-B-N-TATHLINA

1-72-A

D.S.T. #1

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED



DRILL STEM TEST DATA

TICKET NO. T 2658
DATE MARCH 1, 1974

WELL NAME PACIFIC-H-B-N-TATHLINA
WELL NUMBER 1-72-A
COMPANY PACIFIC PETROLEUM LTD.
COMPANY REP. BOB LINTON
TESTER DAVE THOMSON

Test No. 1 Type SINGLE BOTTOM HOLE
Interval 4200 To 4275 TD
Formation Tested CHINCHAGA Net Pay Temp OF 120
Prelow 5 Min. ISI 60 Min. Flow 59 Min. PSI 56 Min.

Recorder Number	6889	3688		
Ins. of out.	INS.	OUTS.		
Rec. Range (PSI)	3100	5700		
Clock Range (hrs)	12	12		
Recorder Depth	4189	4207		
Initial Hydro. Press.	2060	2044		
Initial Shut-in Press.	1774	1782		
Initial Flow Press.	356	330		
Final Flow Press.	881	915		
Final Shut-in Press.	1749	1775		
Final Hydro. Press.	1955	1933		

Fluid Recovery Total Feet 1995
180 Ft. of GAS CUT MUD
1815 Ft. of SALT WATER (107,700 PPM)
Ft. of
Ft. of
Ft. of

Gas Recovery

Mins	Temp OF	Press (PSI)	Orifice Size	MCF Day

Orifice Well Tester ☐ Pitot tube ☐
Critical Flow Prover ☐ Side Static ☐ Risar Size
Gas Cont. No. Chem & Geo Lab ☐ Core Lab ☐

Main Hole Size 8.75 Packer Size 7.50
Ret hole Size Ft. of Ret Hole
Dr. Pipe Size 4.5XH - 4.5 IF Wt. 16.6-(ALUMINUM)
Dr. Collar I.D. 2.875 Ft. Run above tool 561.62
Surface Choke Size ADJUSTABLE Bottom Choke Size 0.50
Cushion Amount Type
Mud Drop Fluid Loss 8.0 Viscosity 75 Mud Wt. 9.8

Remarks: FAIR AIR BLOW ON PREFLOW
REMAINED STEADY. WEAK AIR BLOW ON FLOW
PERIOD DECREASING TO NOTHING IN 20 MINUTES.

P.O. Sub	1.00	
Co Sub	1.00	
Shut in Tool	5.50	
RFS No.		
RFS No.		
HMV	7.10	
Jars		
Rec. No.	6889	5.00 Depth 4189
Rec. No.		Depth
Temp Recorder		
Safety Joint	1.75	
By Pass Sub		
Packer		
Packer	5.00	Depth 4200
Anchor	PERF 1.00	
By Pass Sub	5.00	
Rec. No.	3688	5.00 Depth 4207
Rec. No.		Depth
Blank off Sub		
Co Sub		
Dr. Collars		
Co Sub		
Packer		Depth
Packer		
Anchor	PERF 32.00	
Rec. No.		Depth
Anchor		
Co Sub	1.00	
Dr. Pipe or		
Dr. Collars	27.60	
Co Sub	1.00	
Anchor		
Bullnose	2.50	T.D. 4275
Total Test Tool	101.45	
Total Interval	75.00	
Total Tailpipe	75.10	
Weight of Tool	5,000	
Wt. Indicator Reading		
Prior to setting Packers	50,000	



WELL NAME: PACIFIC -H-B-N-TATHLINA
WELL LOCATION: 1-72-A
FORMATION: CHINCHAGA

REC NO. 3688
DST NO. 1
DEPTH 4207

TIME - PRESSURE INCREMENTS

REMARKS -----	TIME MIN. -----	PRESSURE PSIG -----	T+DELTA(T)/ DELTA(T) -----
RUN IN HOLE	0.	0.	
	174.0	2044.0	
INITIAL HYDRO PRESSURE	205.0	2044.0	
INITIAL PREFLOW PRESSURE	0.	95.1	
FINAL PREFLOW PRESSURE	5.0	272.3	
START INITIAL SHUT-IN	0.	272.3	
	1.0	1748.5	6.00
	5.0	1767.2	2.00
	10.0	1772.3	1.50
	15.0	1773.7	1.33
	20.0	1775.2	1.25
	25.0	1776.6	1.20
	30.0	1777.3	1.17
	35.0	1778.0	1.14
	40.0	1778.8	1.12
	45.0	1779.5	1.11
	50.0	1780.2	1.10
	55.0	1780.9	1.09
INITIAL SHUT-IN PRESSURE	60.0	1781.6	1.08
START FLOW PERIOD	0.	1781.6	
INITIAL FLOW PRESSURE	1.0	330.0	
	10.0	426.5	
	20.0	540.3	
	30.0	642.7	
	40.0	742.1	
	50.0	838.6	
FINAL FLOW PRESSURE	59.0	915.0	



WELL NAME: PACIFIC -4-B-N-TATHLINA
WELL LOCATION: 1-72-A
FORMATION: CHINCHAGA

REC NO. 3688
DST NO. 1
DEPTH 4207

TIME - PRESSURE INCREMENTS

REMARKS	TIME MIN.	PRESSURE PSIG	T+DELTA(T)/ DELTA(T)
START FINAL SHUT-IN	0.	915.0	
	1.0	1741.3	65.00
	5.0	1757.2	13.80
	10.0	1761.5	7.40
	15.0	1764.4	5.27
	20.0	1767.2	4.20
	25.0	1768.7	3.56
	30.0	1770.1	3.13
	35.0	1771.6	2.83
	40.0	1773.0	2.60
	45.0	1773.7	2.42
	50.0	1774.4	2.28
FINAL SHUT-IN PRESSURE	56.0	1775.2	2.14
RUN OUT OF HOLE	0.	1775.2	
FINAL HYDRO PRESSURE	1.0	1932.8	
	20.0	1932.8	
OUT OF HOLE	173.0	0.	



WELL NAME: PACIFIC -H-B-N-TATHLINA
WELL LOCATION: 1-72-A
FORMATION: CHINCHAGA
RECOVERY TYPE USED IN CALCULATIONS: WATER

REC NO. 368H
DST NO. 1
DEPTH 4207
INTERVAL 4200-4275

SUMMARY OF CALCULATIONS

1 FIRST SHUT-IN

EXTRAPOLATED FORMATION PRESSURE -----	1788.4 PSIG
SLOPE OF EXTRAPOLATED LINE -----	195.39 PSI/CYCLE
ROOT MEAN SQUARE DEVIATION OF FITTED LINE -----	0.07 PSI
NUMBER OF POINTS IN SHUT-IN -----	14
NUMBER OF POINTS USED FOR EXTRAPOLATION -----	4

2 SECOND SHUT-IN

EXTRAPOLATED FORMATION PRESSURE -----	1783.7 PSIG
SLOPE OF EXTRAPOLATED LINE -----	25.84 PSI/CYCLE
ROOT MEAN SQUARE DEVIATION OF FITTED LINE -----	0.03 PSI
NUMBER OF POINTS IN SHUT-IN -----	13
NUMBER OF POINTS USED FOR EXTRAPOLATION -----	4
DIFFERENCE (2ND-1ST EXTRAPOLATION) -----	-4.7 PSI

3 RESERVOIR AND FLUID PROPERTIES

NET PAY -----	27.00 FT
RESERVOIR POROSITY -----	7.00 PERCENT
PRODUCTION RATE -----	560.1 BPD
FORMATION VOLUME FACTOR -----	1.000 RB/STB
FLUID VISCOSITY -----	0.680 C.P.
TOTAL COMPRESSIBILITY X 10-6 -----	8.500 /PSI
RESERVOIR TEMPERATURE -----	120.0 F
FINAL FLOWING PRESSURE -----	915.0 PSIG
TOTAL FLOW TIME -----	64.0 MIN

4 CALCULATION RESULTS

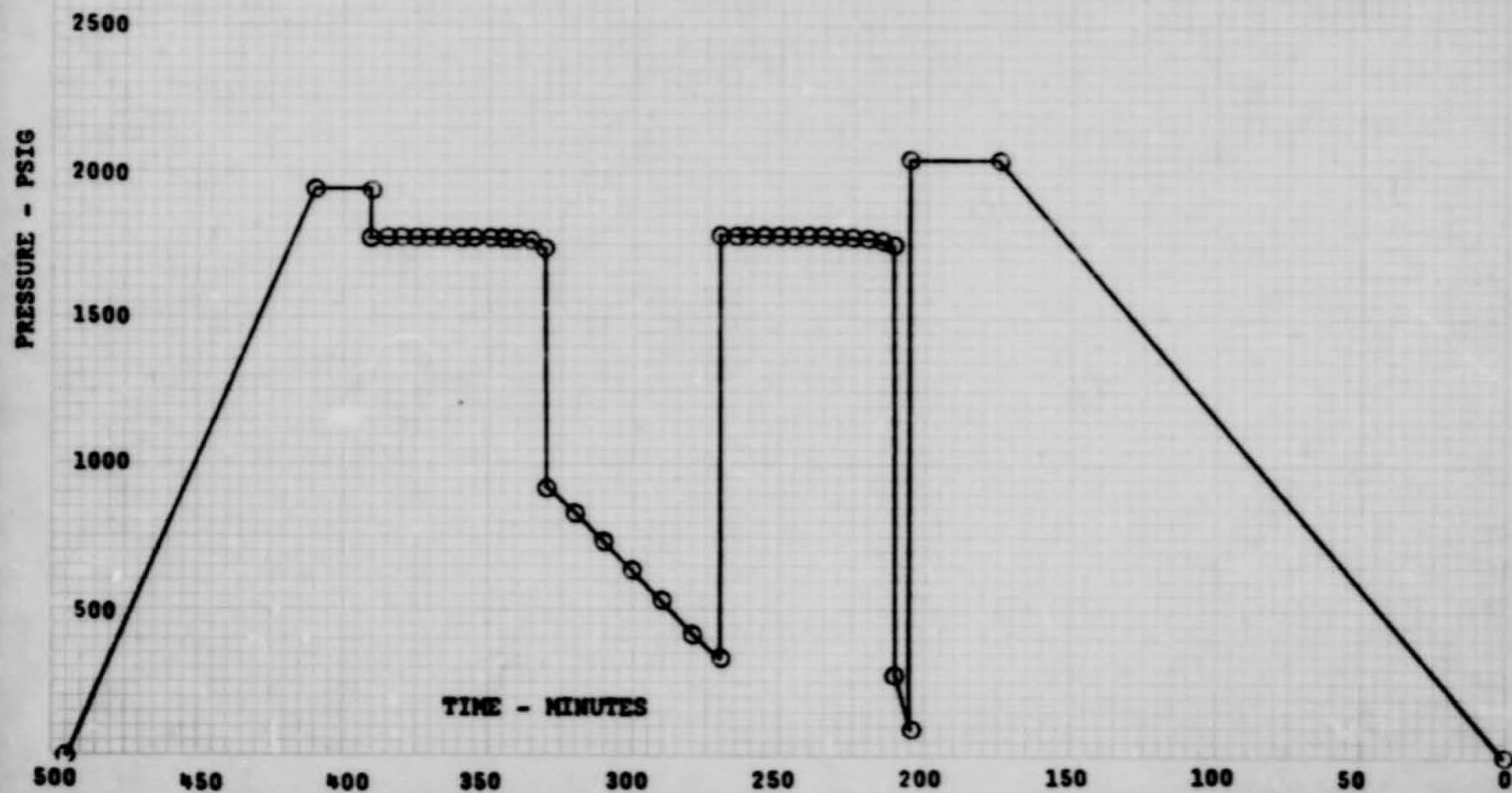
ESTIMATED DAMAGE RATIO -----	5.59
PERMEABILITY THICKNESS -----	2395.6 MD FT
PERMEABILITY -----	88.73 MD
SKIN FACTOR -----	31.77
APPROXIMATE DRAINAGE RADIUS -----	495.2 FT
PRODUCTIVITY INDEX -----	0.645 BPD/PSI
PRODUCTION WITH DAMAGE REMOVED -----	3131.0 BPD

PACIFIC-H-B-N-TATHLINA 1-72-A

1-72-A

DST NO. 1

REC. NO. 3600



PACIFIC-H-B-N-TATHLINA 1-72-A

1-72-A

DST NO. 1

P* = 1783.7 PSIG

PRESSURE - PSIG

1800

1780

1760

1740

$(T + \Delta t) / \Delta t$

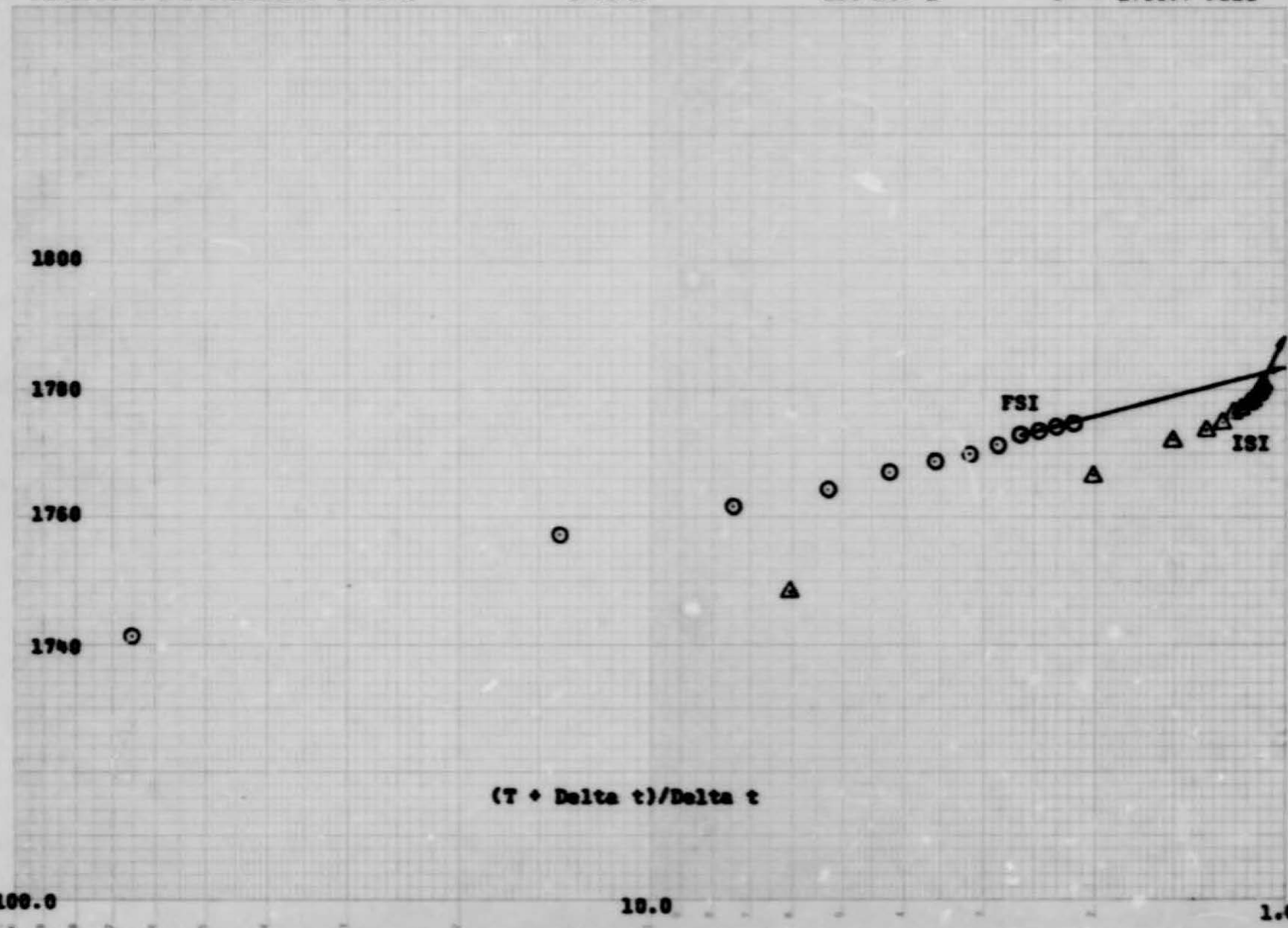
100.0

10.0

1.0

FSI

ISI



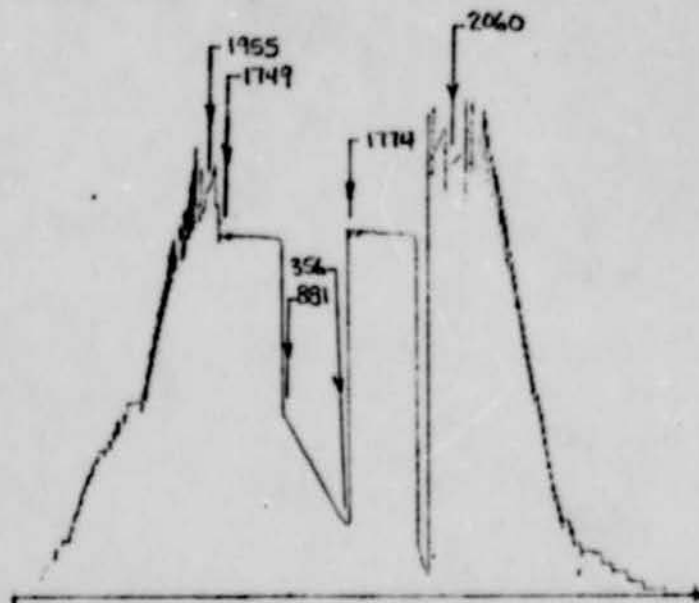


DST RECORDER CHARTS

PACIFIC-H-B-N-TATHLINA 1-72-A

DST NO. 1

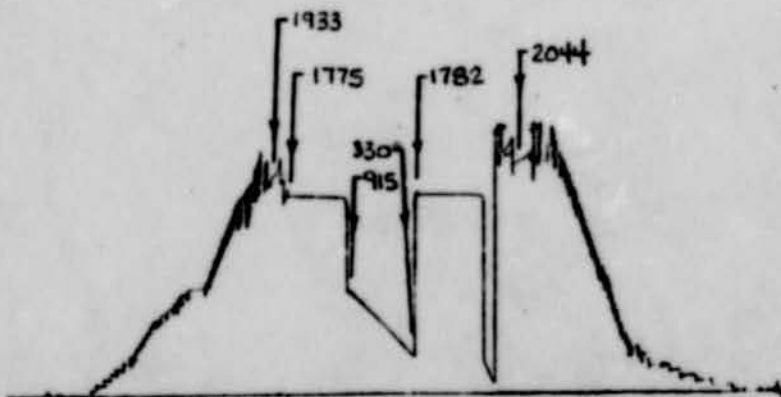
INSIDE REC. NO. 6889



PACIFIC-H-B-N-TATHLINA 1-72-A

DST NO. 1

OUTSIDE REC. NO. 3688



The analysis of this test is based upon calculations of the data contained in this report. Some assumptions with regard to reservoir properties may have been made if the information was not supplied. The most up to date methods were utilized to determine the results, ensuring a complete and accurate report.

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PETCO SERVICES (1973) LTD.

#912 Charter Towers

614 - 5 Avenue S.W.

Calgary, Alberta

403 - 269 - 3291

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BORG X WARNER

DRILL STEM TEST REPORT

PACIFIC H-B-N-TATHLINA

1-72-A

D.S.T #2

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED



DRILL STEM TEST DATA

TICKET NO. **T 2659**

DATE **MARCH 1, 1974**

WELL NAME **PACIFIC-H-B-N-TATHLINA**

WELL NUMBER **1-72-A**

COMPANY **PACIFIC PETROLEUM LTD.**

COMPANY REP. **BOB LINTON**

TESTER **DAVE THOMSON**

Test No. **2** Type **SINGLE STRADDLE BY-PASS**

Interval **3910** To **3990** TD **4275**

Formation Tested **1** Net P. y **128** Temp of **59** Min.

Preflow **1** Min. ISI **57** Min. Flow **61** Min. FSI **59** Min.

Recorder Number	6889	1875	3688
Ins. or outs.	INS.	OUTS.	BOT.
Rec. Range (PSI)	3100	5600	5700
Clock Range (hrs)	24	12	12
Recorder Depth	3898	3923	3994
Initial Hydro. Press.	1963	1966	1998
Initial Shut-in Press.	1602	1633	
Initial Flow Press.	540	568	
Final Flow Press.	1478	1552	
Final Shut-in Press.	1560	1661	1815
Final Hydro. Press.	1969	1977	2013

Fluid Recovery Total Feet **3305**
3305 Ft. of **SALT WATER (98,200 PPM)**

..... Ft. of

..... Ft. of

..... Ft. of

..... Ft. of

Gas Recovery

Mins	Temp of	Press (PSI)	Orifice Size	MCF Day

Orifice Well Tester ☐ Pitot tube ☐

Critical Flow Prover ☐ Side Static ☐ Riser Size

Gas Cont. No. Chem & Geo Lab ☐ Core Lab ☐

Main Hole Size **8.75**

Packer Size **7.50**

Rat hole Size **4.5X4.5 - 4.5IF**

Ft. of Rat Hole **16.6-(ALUMINUM)**

Dr. Pipe Size **2.875**

Wt. **531.92**

Dr. Collar I.D. **ADJUSTABLE**

Ft. Run above tool **0.50**

Surface Choke Size **ADJUSTABLE**

Bottom Choke Size **0.50**

Cushion Amount

Type **75**

Mud Drop Fluid Loss **8.0** Viscosity **9.8** Mud Wt. **9.8**

Remarks: **FAIR AIR BLOW ON PREFLOW. WEAK AIR BLOW ON FLOW, DECREASING TO NOTHING IN 45 MINUTES.**

P.O. Sub **1.00**

Co Sub **1.00**

Shut-in Tool **5.50**

RFS No.

RFS No.

HMV **7.10**

Jars

Rec. No. **6889** **5.00** Depth **3898**

Rec. No. Depth

Temp Recorder **1.75**

Safety Joint **1.00**

By Pass Sub

Packer

Packer **5.00** Depth **3910**

1.00

Anchor **12.00**

By Pass Sub **1.00**

Rec. No. **1875** **4.00** Depth **3923**

Rec. No. Depth

Blank off Sub

Co Sub **.75**

Dr. Collars **57.31**

Co Sub **.75**

Packer **3.00** Depth **3990**

3.00

Packer

Anchor

Rec. No. **3688** **5.00** Depth **3994**

Anchor **22.00**

Co Sub

Dr. Pipe or **251.57**

Dr. Collars

Co Sub **1.00**

Anchor

Bullnose **2.50** T.D. **4275**

Total Test Tool **107.05**

Total Interval **80.00**

Total Tailpipe **285.07**

Weight of Tool **6,000**

Wt. Indicator Reading **50,000**

Prior to setting Packers



WELL NAME: PACIFIC -H-B-N-TATHLINA
WELL LOCATION: 1-72-A
FORMATION:

REC NO. 1875
DST NO. 2
DEPTH 3923

TIME - PRESSURE INCREMENTS

REMARKS -----	TIME MIN. -----	PRESSURE PSIG -----	T+DELTA(T)/ DELTA(T) -----
RUN IN HOLE	0.	0.	
	115.0	1965.6	
INITIAL HYDRO PRESSURE	159.0	1965.6	
INITIAL PREFLOW PRESSURE	0.	379.5	
FINAL PREFLOW PRESSURE	1.0	537.0	
START INITIAL SHUT-IN	0.	537.0	
	1.0	1621.2	2.00
	5.0	1647.4	1.20
	10.0	1652.9	1.10
	15.0	1657.0	1.07
	20.0	1657.7	1.05
	25.0	1659.1	1.04
	30.0	1659.8	1.03
	35.0	1660.5	1.03
	40.0	1661.2	1.03
	45.0	1661.8	1.02
	50.0	1662.5	1.02
INITIAL SHUT-IN PRESSURE	57.0	1662.5	1.02
START FLOW PERIOD	0.	1662.5	
INITIAL FLOW PRESSURE	1.0	568.5	
	10.0	794.5	
	20.0	1017.9	
	30.0	1202.5	
	40.0	1348.5	
	50.0	1460.1	
FINAL FLOW PRESSURE	61.0	1552.3	



WELL NAME: PACIFIC -H-B-N-TATHLINA
WELL LOCATION: 1-72-A
FORMATION:

REC NO. 1875
DST NO. 2
DEPTH 3923

TIME - PRESSURE INCREMENTS

REMARKS	TIME MIN.	PRESSURE PSIG	T+DELTA(T)/ DELTA(T)
START FINAL SHUT-IN	0.	1552.3	
	1.0	1630.9	63.00
	5.0	1640.5	13.40
	10.0	1646.0	7.20
	15.0	1648.8	5.13
	20.0	1651.5	4.10
	25.0	1652.9	3.48
	30.0	1654.3	3.07
	35.0	1655.6	2.77
	40.0	1657.0	2.55
	45.0	1658.4	2.38
	50.0	1659.8	2.24
	55.0	1660.5	2.13
FINAL SHUT-IN PRESSURE	59.0	1661.2	2.05
RUN OUT OF HOLE	0.	1661.2	
FINAL HYDRO PRESSURE	1.0	1976.6	
	7.0	1976.6	
OUT OF HOLE	215.0	0.	



WELL NAME: PACIFIC -H-B-N-TATHLINA
WELL LOCATION: 1-72-A
FORMATION:
RECOVERY TYPE USED IN CALCULATIONS: WATER

REC NO. 1875
DST NO. 2
DEPTH 3923
INTERVAL 3910-3990

SUMMARY OF CALCULATIONS

1 FIRST SHUT-IN

EXTRAPOLATED FORMATION PRESSURE -----	1666.2 PSIG
SLOPE OF EXTRAPOLATED LINE -----	462.20 PSI/CYCLE
ROOT MEAN SQUARE DEVIATION OF FITTED LINE -----	0.18 PSI
NUMBER OF POINTS IN SHUT-IN -----	13
NUMBER OF POINTS USED FOR EXTRAPOLATION -----	4

2 SECOND SHUT-IN

EXTRAPOLATED FORMATION PRESSURE -----	1674.6 PSIG
SLOPE OF EXTRAPOLATED LINE -----	42.91 PSI/CYCLE
ROOT MEAN SQUARE DEVIATION OF FITTED LINE -----	0.11 PSI
NUMBER OF POINTS IN SHUT-IN -----	14
NUMBER OF POINTS USED FOR EXTRAPOLATION -----	6
DIFFERENCE (2ND-1ST EXTRAPOLATION) -----	8.4 PSI

3 RESERVOIR AND FLUID PROPERTIES

NET PAY -----	85.00 FT
RESERVOIR POROSITY -----	8.00 PERCENT
PRODUCTION RATE -----	1015.2 BPD
FORMATION VOLUME FACTOR -----	1.000 RB/STB
FLUID VISCOSITY -----	0.620 C.P.
TOTAL COMPRESSIBILITY X 10 ⁻⁶ -----	8.300 /PSI
RESERVOIR TEMPERATURE -----	128.0 F
FINAL FLOWING PRESSURE -----	1552.3 PSIG
TOTAL FLOW TIME -----	62.0 MIN

4 CALCULATION RESULTS

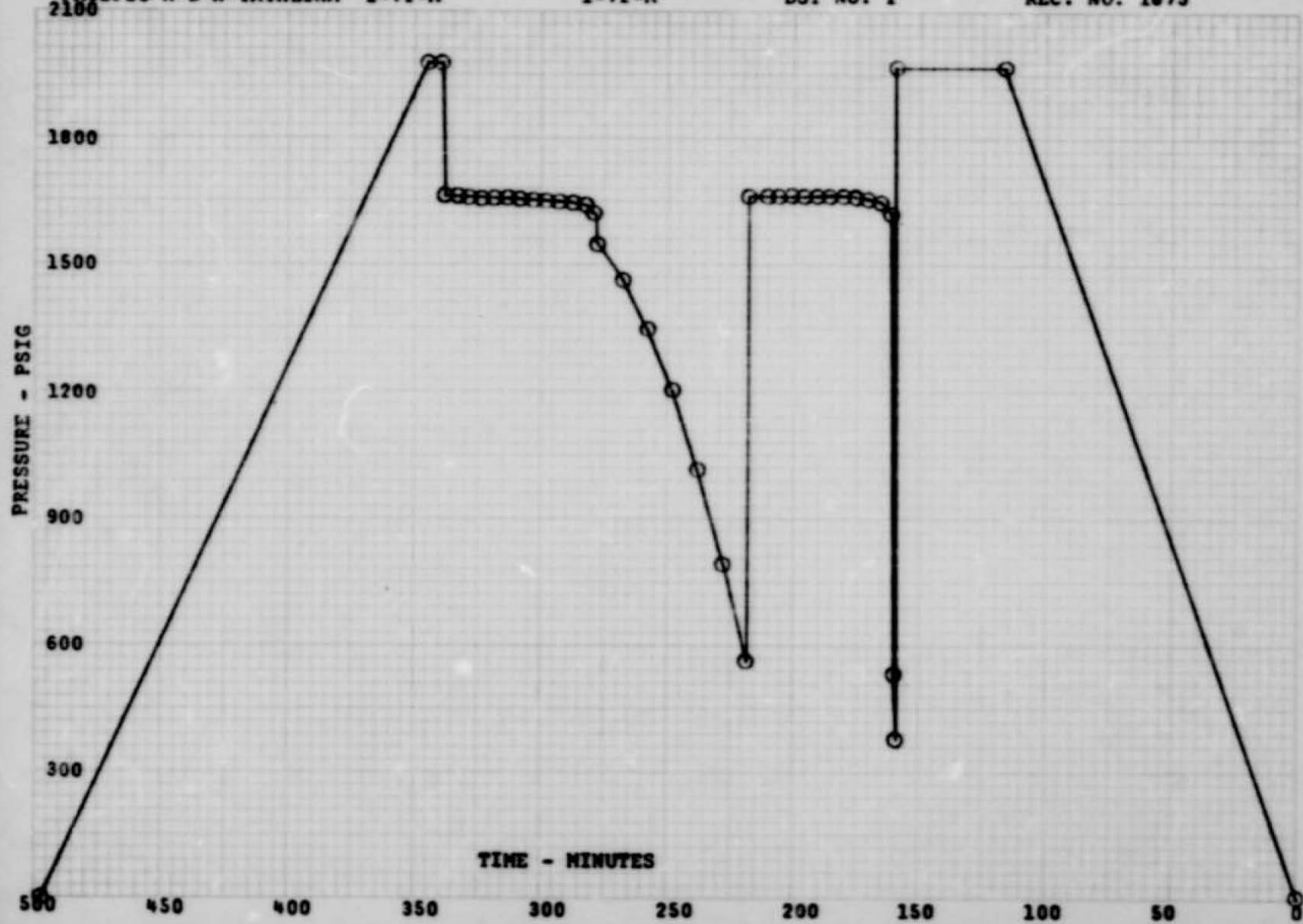
ESTIMATED DAMAGE RATIO -----	0.52
PERMEABILITY THICKNESS -----	2383.5 MD FT
PERMEABILITY -----	28.04 MD
SKIN FACTOR -----	-3.05
APPROXIMATE DRAINAGE RADIUS -----	271.6 FT
PRODUCTIVITY INDEX -----	8.304 BPD/PSI

PACIFIC-H-B-N-TATHLINA 1-72-A

1-72-A

DST NO. 2

REC. NO. 1875

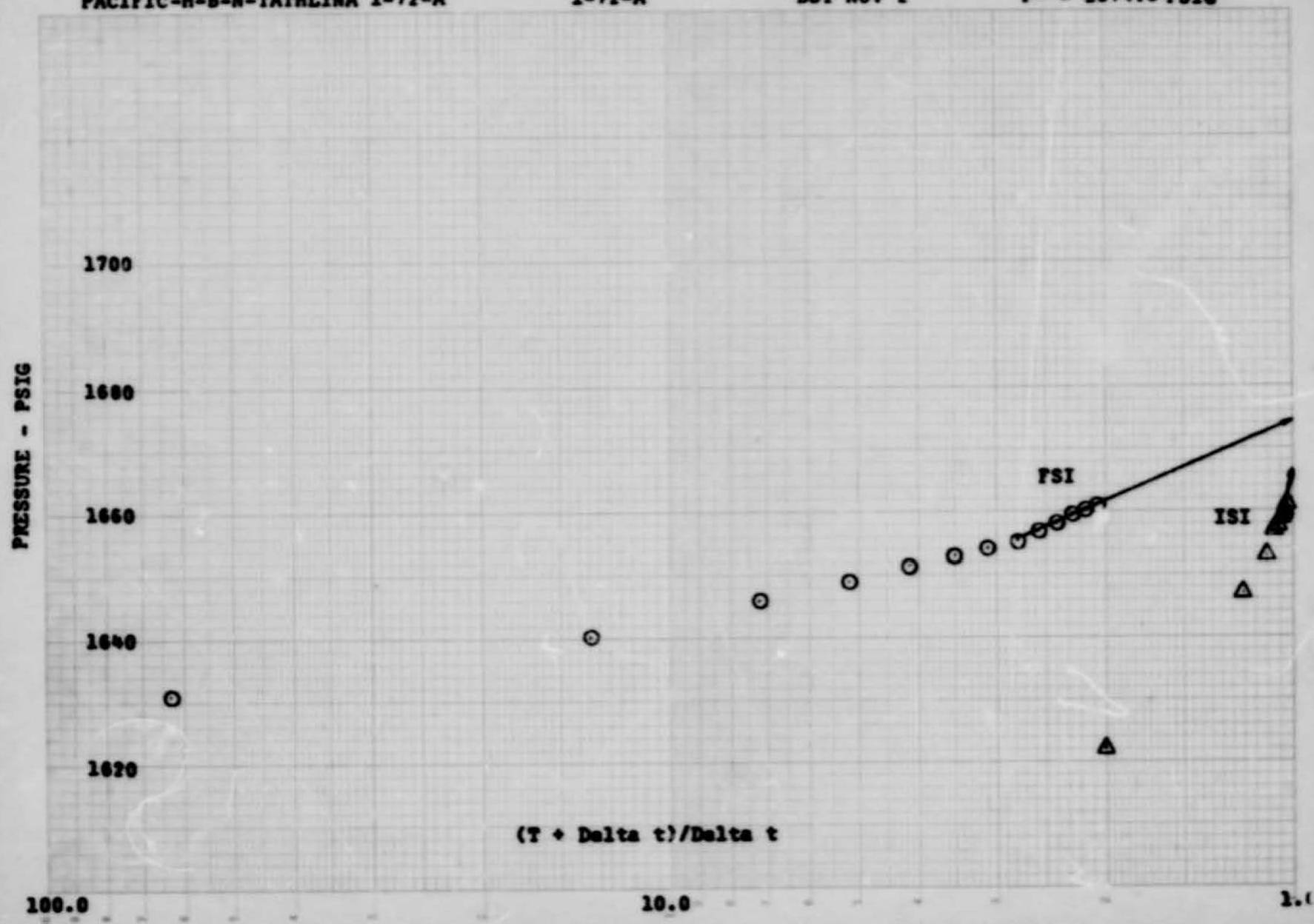


PACIFIC-H-B-N-TATHLINA 1-72-A

1-72-A

DST NO. 2

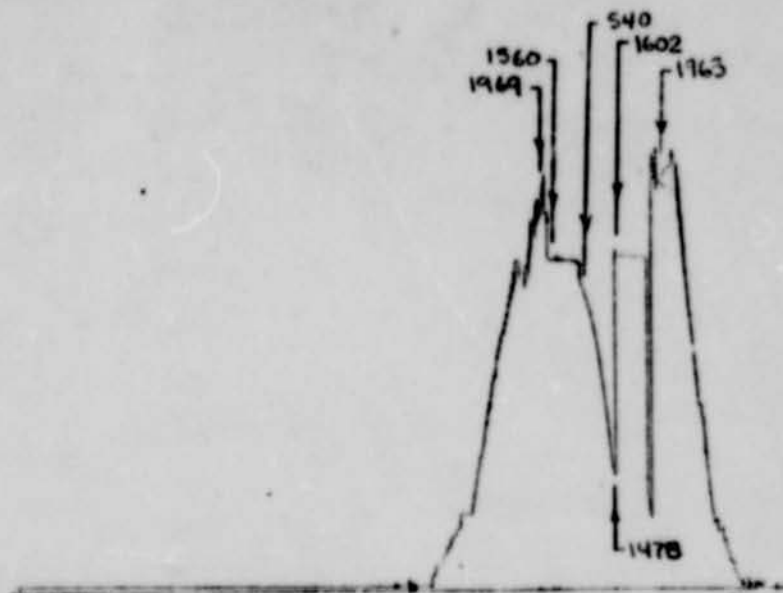
$P_0 = 1674.6$ PSIG



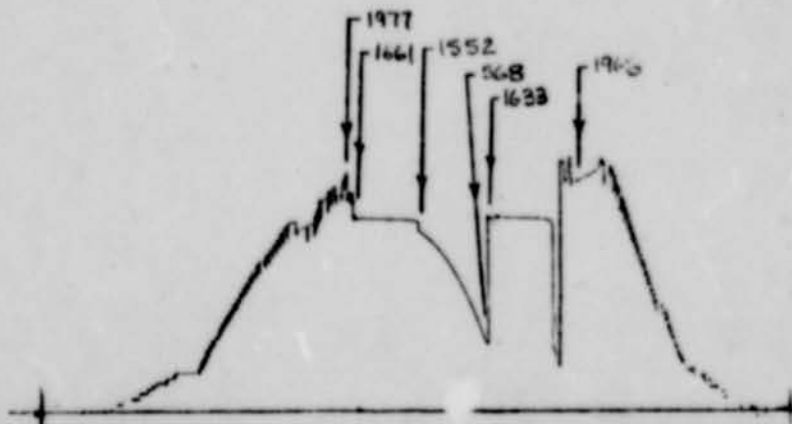


DST RECORDER CHARTS

PACIFIC-H-B-N-TATHLINA 1-72-A
DST NO. 2
INSIDE REC. NO. 6889



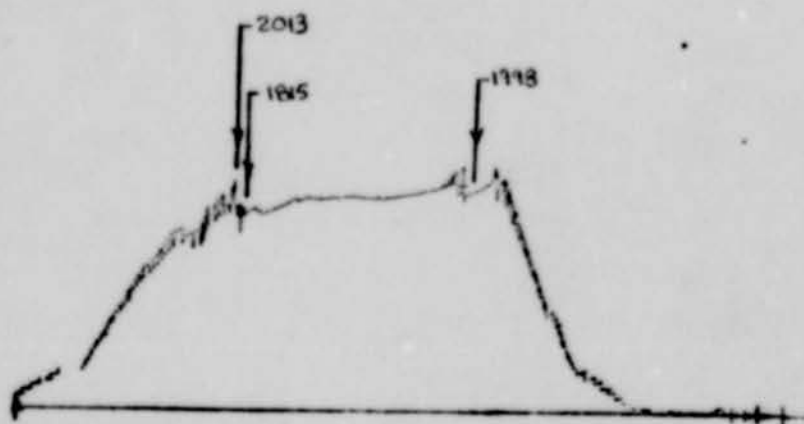
PACIFIC-H-B-N-TATHLINA 1-72-A
DST NO. 2
OUTSIDE REC. NO. 1875





DST RECORDER CHARTS

PACIFIC-H-B-N-TATHLINA 1-72-A
DST NO. 1
BOTTOM REC. NO. 3688



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Any questions regarding the procedure or results should be directed to:

PETCO SERVICES (1973) LTD.

#912 Charter Towers

614 - 5 Avenue S.W.

Calgary, Alberta

403 - 269 - 8291

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DRILL STEM TEST REPORT

PACIFIC H-B-N-TATHLINA

1-72-A

D.S.T. #3

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED



DRILL STEM TEST DATA

TICKET NO. _____
DATE MARCH 3, 1974

WELL NAME PACIFIC-H-B-N-TATHLINA
WELL NUMBER 1-72-A
COMPANY PACIFIC PETROLEUM LTD.
COMPANY REP. BOB LINTON
TESTER DAVE THOMSON

Test No. 3 Type SINGLE STRADDLE
Interval 3636 To 3666 TD 4275
Formation Tested _____ Net Pay _____ Temp OF _____
Proflow _____ Min. ISI _____ Min. Flow _____ Min. FSI _____ Min. _____

Recorder Number	6889	1875	3688	
Ins. or outs.	INS.	OUTS.	BOT.	
Rec. Range (PSI)	3100	5600	5700	
Clock Range (hrs)	12	12	24	
Recorder Depth	3624	3659	3670	
Initial Hydro. Press.	1858	1868	1870	
Initial Shut-in Press.				
Initial Flow Press.	1072	1099		
Final Flow Press.	1357	1435		
Final Shut-in Press.			1630	
Final Hydro. Press.	1781	1805	1815	

Fluid Recovery Total Feet _____
Ft. of _____
Ft. of _____
Ft. of _____
Ft. of _____
Ft. of _____

Gas Recovery

Min	Temp OF	Press (PSI)	Orifice Size	MCF Day

Orifice Well Tester ☐ Pitot tube ☐
Critical Flow Prover ☐ Side Static ☐ Riser Size _____
Gas Cont. No. _____ Chem & Geo Lab ☐ Core Lab ☐

Main Hole Size _____ Packer Size _____
Rat hole Size _____ Ft. of Rat Hole _____
Dr. Pipe Size _____ Wt. _____
Dr. Coffer I.D. _____ Ft. Run above tool _____
Surface Choke Size _____ Bottom Choke Size _____
Cushion Amount _____ Type _____
Mud Drop _____ Fluid Loss _____ Viscosity _____ Mud Wt. _____

Remarks: MISRUN. UNABLE TO ROTATE TOOLS.

P.O. Sub 1.00
Co Sub 1.00
Shut-in Tool 5.50
RFS No. _____
RFS No. _____
HMV 7.10
Jars _____
Rec. No. 6889 5.00 Depth 3624
Rec. No. _____ Depth _____
Temp Recorder 1.75
Safety Joint 1.00
By Pass Sub _____
Packer _____
Packer 5.00 Depth 3636
1.00
Anchor 21.00
By Pass Sub 1.00
Rec. No. 1875 4.00 Depth 3659
Rec. No. _____ Depth _____
Blank off Sub _____
Co Sub _____
Dr. Collars _____
Co Sub _____
Packer 3.00 Depth 3666
3.00
Packer _____
Anchor _____
Rec. No. 3688 5.00 Depth 3670
7.00
Anchor 1.00
Co Sub 591.31
Dr. Pipe or 1.00
Dr. Collars _____
Co Sub _____
Anchor _____
Bullnose 2.50 T.D. 4275

Total Test Tool _____
Total Interval _____
Total Tailpipe _____
Weight of Tool _____
Wt. Indicator Reading _____
Prior to setting Packers _____

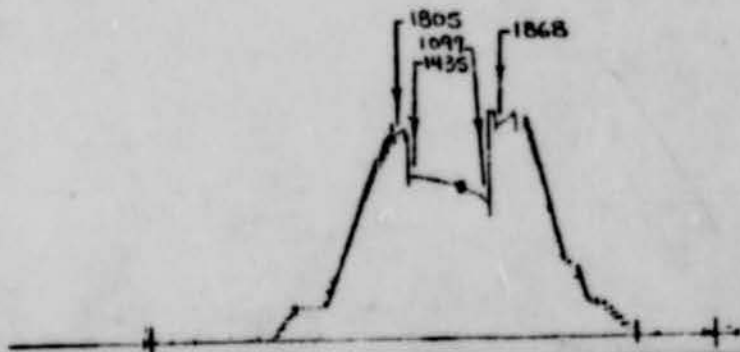


DST RECORDER CHARTS

PACIFIC-H-B-N-TATHLINA 1-72-A
DST NO. 3
INSIDE REC.NO. 6889



PACIFIC-H-B-N-TATHLINA 1-72-A
DST NO. 3
OUTSIDE REC. NO. 1875

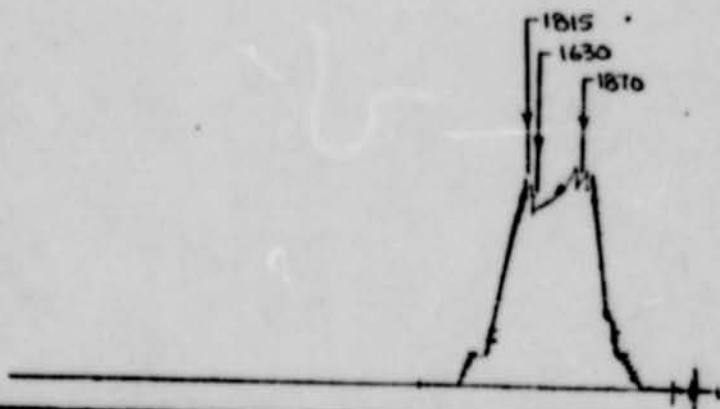




TESTING REPORT

DST RECORDER CHARTS

PACIFIC-H-B-N-TATHLINA 1-72-A
DST NO. 3
BOTTOM REC. NO. 3688



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Calgary, Alberta

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DRILL STEM TEST REPORT

PACIFIC H-B-N-TATHLINA

1-72-A

D.S.T. #4

BJ SERVICE DIVISION
BORG-WARNER (CANADA) LIMITED



DRILL STEM TEST DATA

TICKET NO. T 2660

DATE MARCH 3, 1974

WELL NAME PACIFIC-H-B-N-TATHLINA
 WELL NUMBER 1-72-A
 COMPANY PACIFIC PETROLEUM LTD.
 COMPANY REP. BOB LINTON
 TESTER DAVE THOMSON

Test No. 3636 Type SINGLE STRADDLE BY-PASS
 Interval 3636 To 3666 TD
 Formation Tested SLAVE POINT Net Pay. Temp. 100
 Reflow 8 Min. PSI 54 Min. Flow 60 Min. PSI 58 Min.

Recorder Number	6889	1875	3688
In. or out.	INS.	OUTS.	BOT.
Rec. Range (PSI)	3100	5600	5700
Clock Range (hrs)	12	12	24
Recorder Depth	3624	3659	3670
Initial Hydro. Press.	1916	1888	1894
Initial Shut-in Press.	134	156	
Initial Flow Press.	72	29	
Final Flow Press.	72	37	
Final Shut-in Press.	71	55	1594
Final Hydro. Press.	1760	1829	1842

Fluid Recovery Total Feet 2
 2 Ft. of DRILLING MUD

Ft. of
 Ft. of
 Ft. of
 Ft. of

Gas Recovery

Mins	Temp. °F	Press (PSI)	Orifice Size	MCF Day

Orifice Well Tester ☐ Piston tube ☐
 Critical Flow Prover ☐ Side Static ☐ Riser Size
 Gas Cont. No. Chem & Geo Lab ☐ Core Lab ☐

Main Hole Size 8.75 Packer Size 7.50
 Rat hole Size Ft. of Rat Hole
 Dr. Pipe Size 4.5XH-4.5IF Wt. 16.6-(ALUMINUM)
 Dr. Collar I.D. 2.875 Ft. Run above tool 561.62
 Surface Choke Size ADJUSTABLE Bottom Choke Size 0.50
 Cushion Amount Type
 Mud Drop Fluid Loss 8.0 Viscosity 75 Mud Wt. 9.8

Remarks: WEAK AIR BLOW ON PREFLOW.
 NO AIR BLOW ON FLOW PERIOD.

P.O. Sub 1.00
 Co Sub 1.00
 Shut in Tool 5.50
 RFS No.
 RFS No.
 HMV 7.10
 Jars
 Rec. No. 6889 5.00 Depth 3624
 Rec. No. Depth
 Temp Recorder 1.75
 Safety Joint 1.00
 By Pass Sub
 Packer
 Packer 5.00 Depth 3636
 1.00
 Anchor 21.00
 By Pass Sub 1.00
 Rec. No. 1875 4.00 Dr. ch 3659
 Rec. No. Depth
 Blank off Sub
 Co Sub
 Dr. Collars
 Co Sub
 Packer 3.00 Depth 3666
 3.00
 Packer
 Anchor
 Rec. No. 3688 5.00 Depth 3670
 Anchor 7.00
 Co Sub 1.00
 Dr. Pipe or 591.31
 Dr. Collars
 Co Sub 1.00
 Anchor
 Bullnose 2.50 T.D. 4275
 Total Test Tool 78.15
 Total Interval 30.00
 Total Tailpipe 610.81
 Weight of Tool 6,000
 Wt. Indicator Reading
 Prior to setting Packers 50,000



WELL NAME: PACIFIC-H-B-N-TATHLINA
WELL LOCATION: 1-72-A
FORMATION: SLAVE POINT

RFC NO. 1875
DST NO. 4
DEPTH 3659

TIME - PRESSURE INCREMENTS

REMARKS -----	TIME MIN. -----	PRESSURE PSIG -----	T+DELTA(T)/ DELTA(T) -----
RUN IN HOLE	0.	0.	
	98.0	1888.4	
INITIAL HYDRO PRESSURE	112.0	1888.4	
INITIAL PREFLOW PRESSURE	0.	39.7	
FINAL PREFLOW PRESSURE	8.0	32.9	
START INITIAL SHUT-IN	0.	32.9	
	5.0	43.8	2.60
	10.0	56.2	1.80
	15.0	69.9	1.53
	20.0	82.2	1.40
	25.0	93.2	1.32
	30.0	105.8	1.27
	35.0	117.8	1.23
	40.0	128.8	1.20
	45.0	138.4	1.18
	50.0	149.3	1.16
INITIAL SHUT-IN PRESSURE	54.0	156.2	1.15
START FLOW PERIOD	0.	156.2	
INITIAL FLOW PRESSURE	1.0	28.8	
	10.0	28.8	
	20.0	30.1	
	30.0	32.9	
	40.0	34.2	
	50.0	35.6	
FINAL FLOW PRESSURE	60.0	37.0	
START FINAL SHUT-IN	0.	37.0	



WELL NAME: PACIFIC-H-B-N-TATHLINA
WELL LOCATION: 1-72-A
FORMATION: SLAVE POINT

REC NO. 1875
DST NO. 4
DEPTH 3659

TIME - PRESSURE INCREMENTS

REMARKS -----	TIME MIN. -----	PRESSURE PSIG -----	T+DELTA(T)/ DELTA(T) -----
	5.0	38.4	14.60
	10.0	39.7	7.80
	15.0	41.1	5.53
	20.0	42.5	4.40
	25.0	45.2	3.72
	30.0	46.6	3.27
	35.0	47.9	2.94
	40.0	49.3	2.70
	45.0	50.7	2.51
	50.0	52.1	2.36
FINAL SHUT-IN PRESSURE	58.0	54.8	2.17
RUN OUT OF HOLE	0.	54.8	
FINAL HYDRO PRESSURE	1.0	1829.2	
	7.0	1829.2	
OUT OF HOLE	92.0	0.	



WELL NAME: PACIFIC-H-B-N-TATHLINA
WELL LOCATION: 1-72-A
FORMATION: SLAVE POINT
RECOVERY TYPE USED IN CALCULATIONS: MUD

REC NO. 1875
DST NO. 4
DEPTH 3659
INTERVAL 3636-3666

SUMMARY OF CALCULATIONS

1 FIRST SHUT-IN

EXTRAPOLATED FORMATION PRESSURE -----	242.1 PSIG
SLOPE OF EXTRAPOLATED LINE -----	1441.40 PSI/CYCLE
ROOT MEAN SQUARE DEVIATION OF FITTED LINE -----	0.82 PSI
NUMBER OF POINTS IN SHUT-IN -----	12
NUMBER OF POINTS USED FOR EXTRAPOLATION -----	4

2 SECOND SHUT-IN

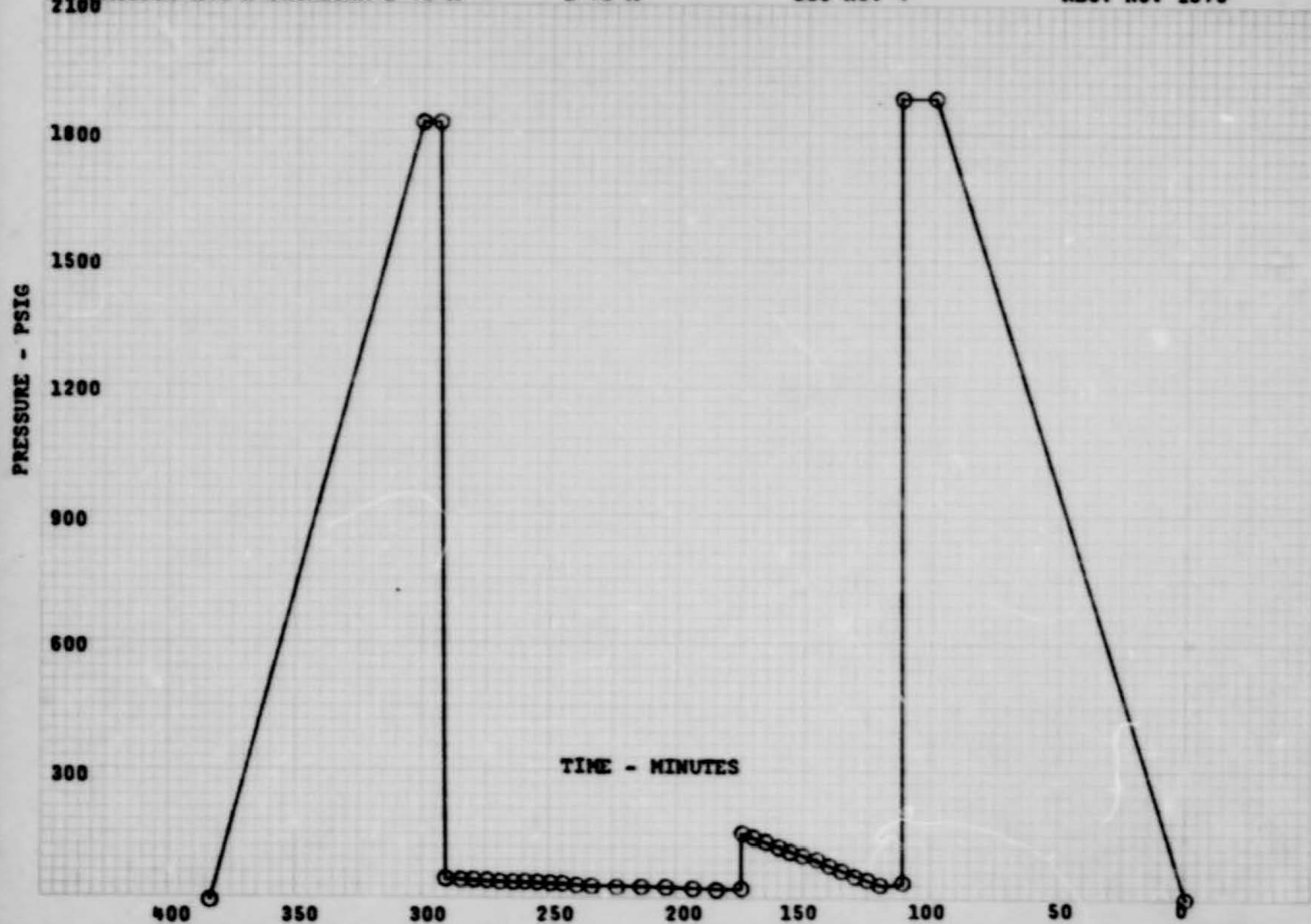
EXTRAPOLATED FORMATION PRESSURE -----	74.0 PSIG
SLOPE OF EXTRAPOLATED LINE -----	57.75 PSI/CYCLE
ROOT MEAN SQUARE DEVIATION OF FITTED LINE -----	0.29 PSI
NUMBER OF POINTS IN SHUT-IN -----	12
NUMBER OF POINTS USED FOR EXTRAPOLATION -----	4
DIFFERENCE (2ND-1ST EXTRAPOLATION) -----	-168.2 PSI

2100 PACIFIC-H-B-N-TATHLINA 1-72-A

1-72-A

DST NO. 4

REC. NO. 1875



PACIFIC-H-B-N-TATHLINA 1-72-A

1-72-A

DST NO. 4

P₀ = 74.0 PSIG

PRESSURE - PSIG

10.0

400

300

200

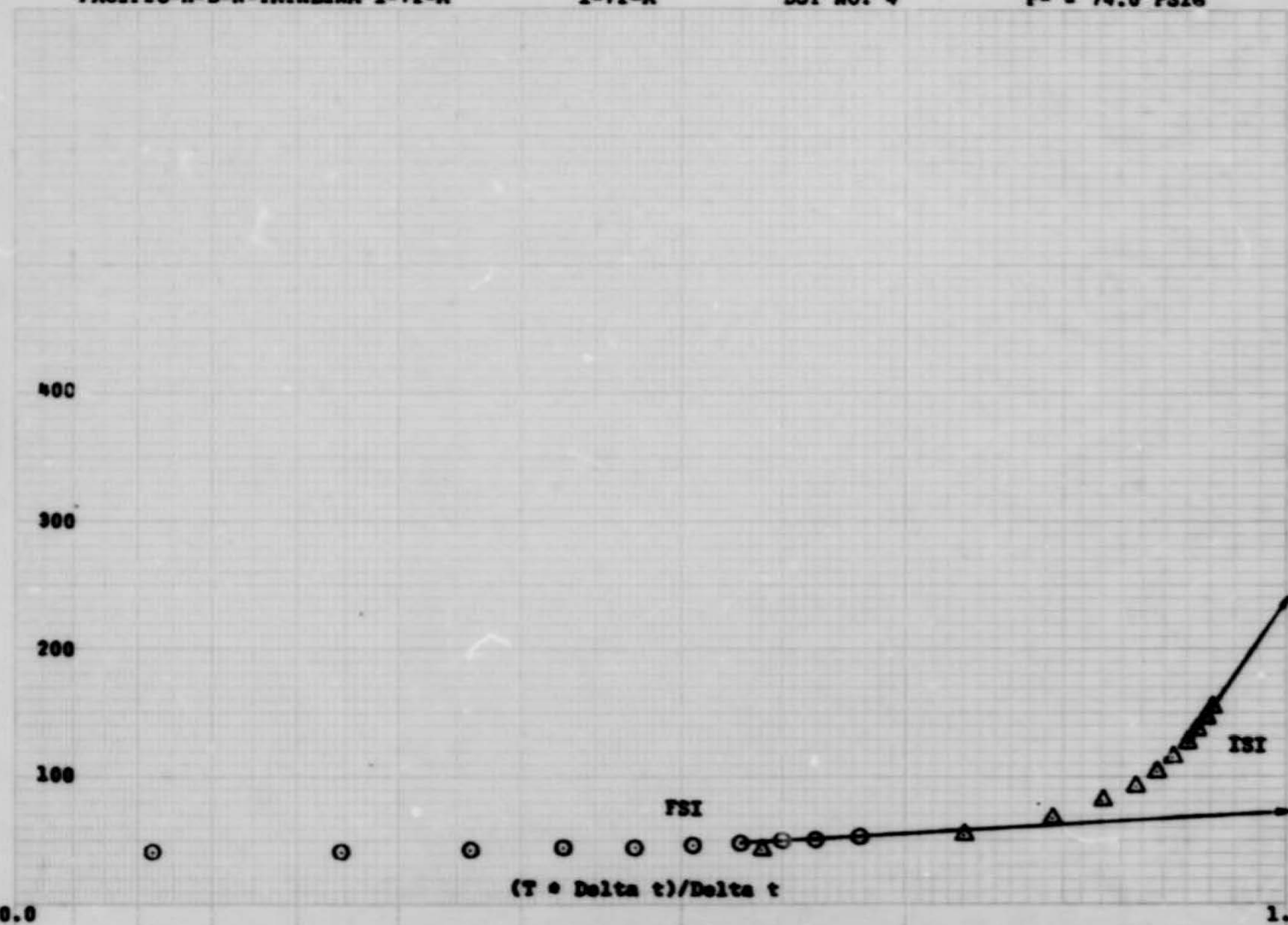
100

(T + Delta t)/Delta t

1.0

FSI

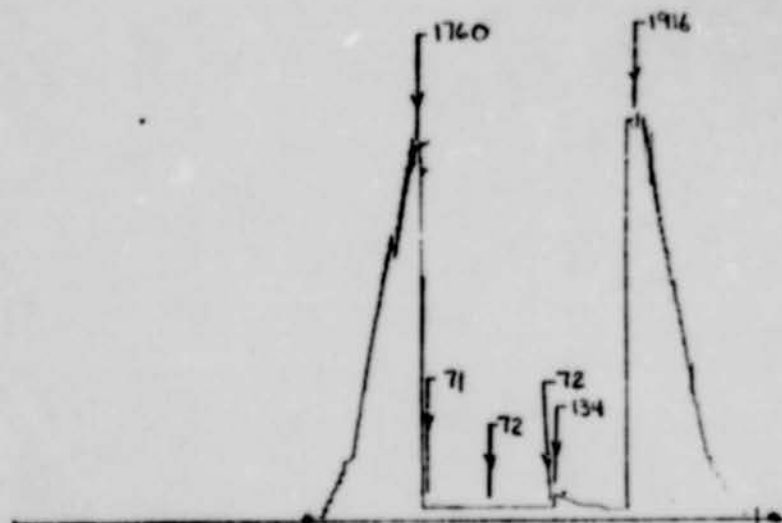
FSI



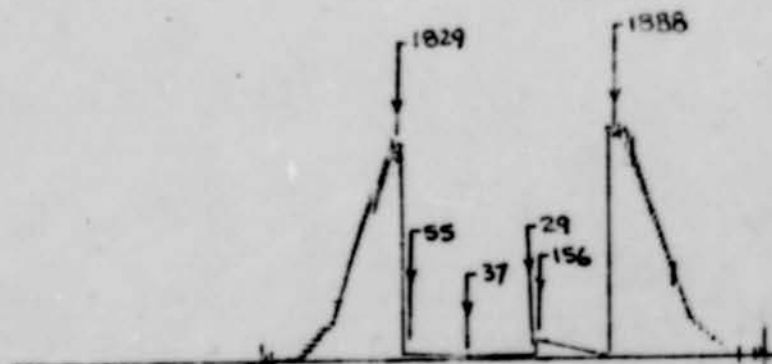


DST RECORDER CHARTS

PACIFIC-H-B-N-TATHLINA 1-72-A
DST NO. 4
INSIDE REC. NO. 6889



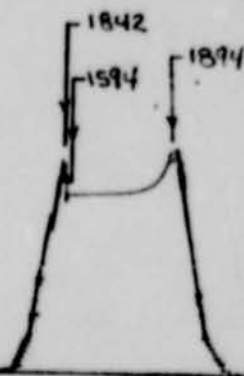
PACIFIC-H-B-N-TATHLINA 1-72-A
DST NO. 4
OUTSIDE REC. NO. 1875





DST RECORDER CHARTS

PACIFIC-H-B-N-TATHLINA 1-72-A
DST NO. 4
BOTTOM REC. NO. 3688



The analysis of this test is based upon calculations of the data contained in this report. Some assumptions with regard to reservoir properties may have been made if the information was not supplied. The most up to date methods were utilized to determine the results, ensuring a complete and accurate report.

Any questions regarding the procedure or results should be directed to:

PETCO SERVICES (1973) LTD.

#912 Charter Towers

614 - 5 Avenue S.W.

Calgary, Alberta

403 - 269 - 8291

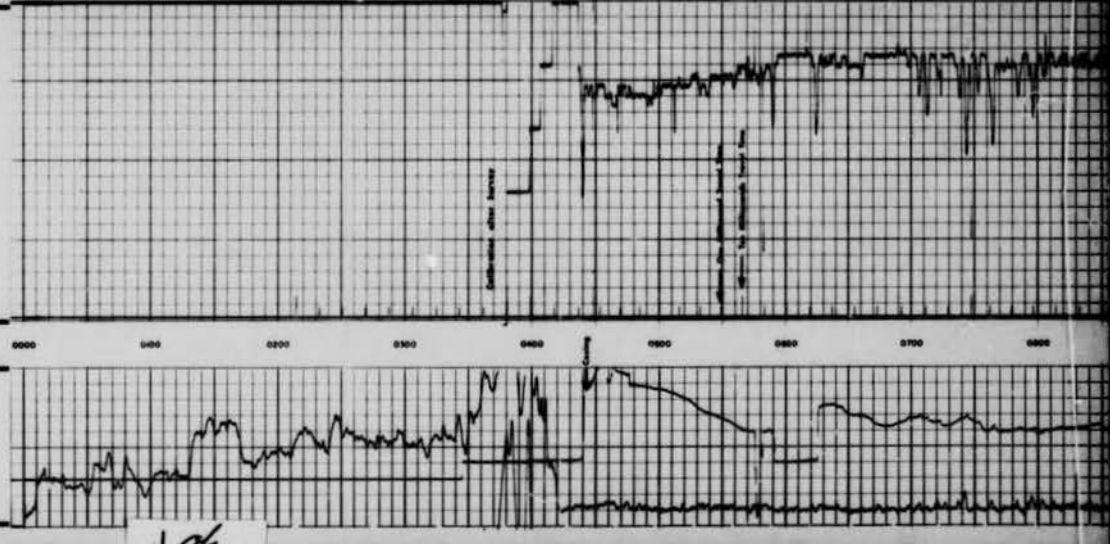
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 TIME: _____
 BY: _____
 NAME: _____
 ADDRESS: _____
 CITY: _____
 STATE: _____
 ZIP: _____

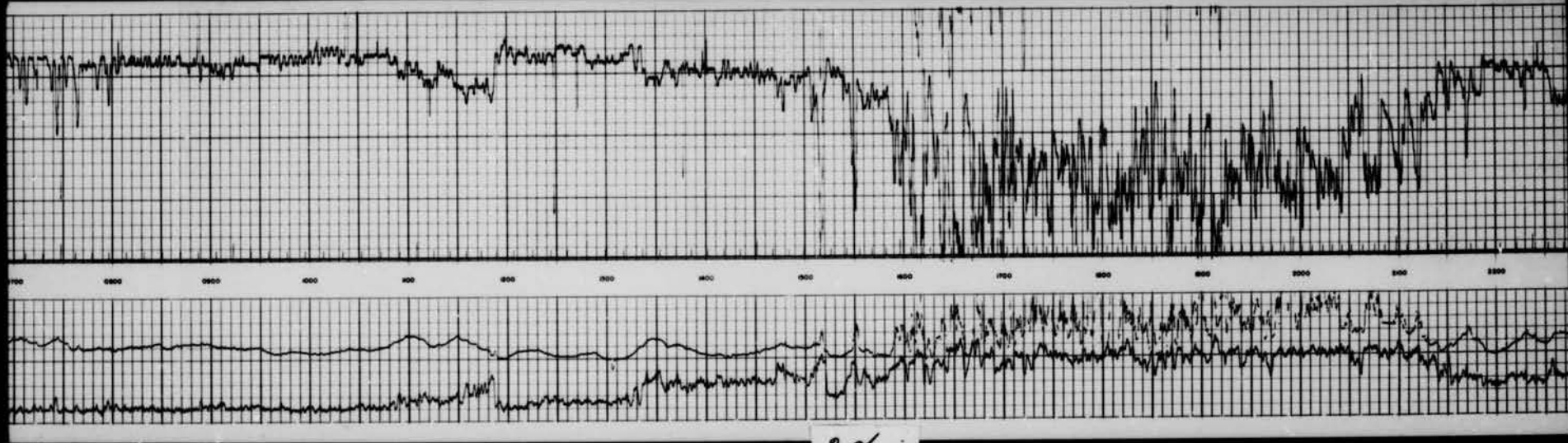
Name
Room No.
Date
Section
Instructor
Lab Partner(s)
Objectives
Background
Procedure
Data
Results
Conclusions
References
Grading
Comments

COMPANY	PACIFIC PETROLEUM LTD.		Other Remarks FIVE-ONE (P), 211
WELL	PACIFIC AMB EXPLORING 1-72A		
FIELD	WILHEAT		
LOCALITY	ALBERTA		
C.O. COORDINATE	60°21'31" N LAT 110°39'12" W LONG		
Measurement Station	01	Rev. 1112 N	DATE REC. 1112 N
Log Measurement Date	02	03 N. N. Moore Point Station	01 1112 N
			CR

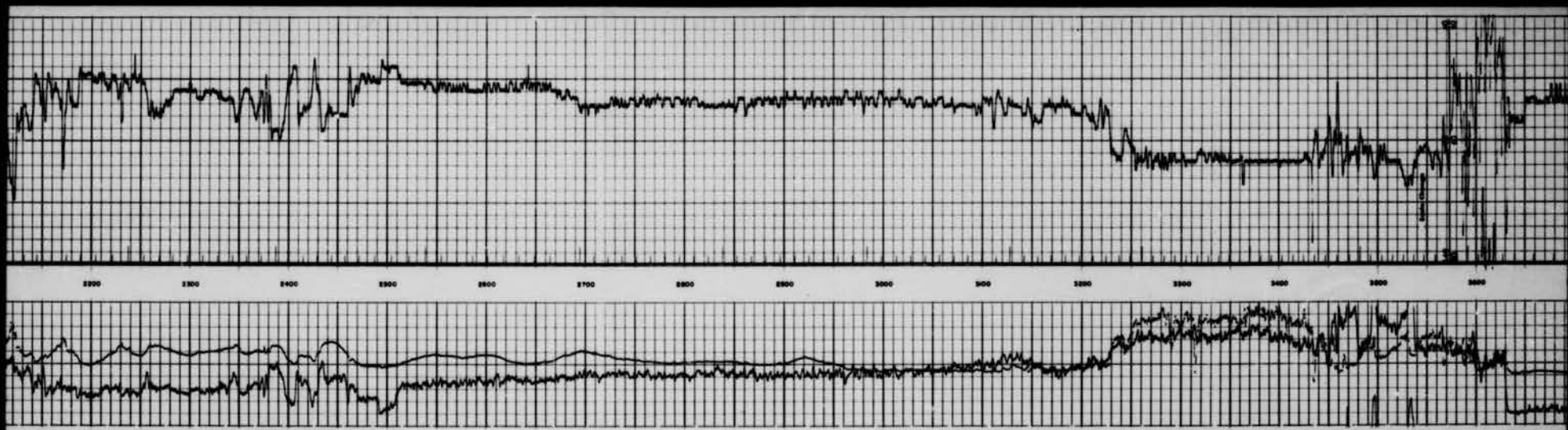
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4	5	4	5
6	7	6	7
8	9	8	9
10	11	10	11
12	13	12	13
14	15	14	15
16	17	16	17
18	19	18	19
20	21	20	21
22	23	22	23
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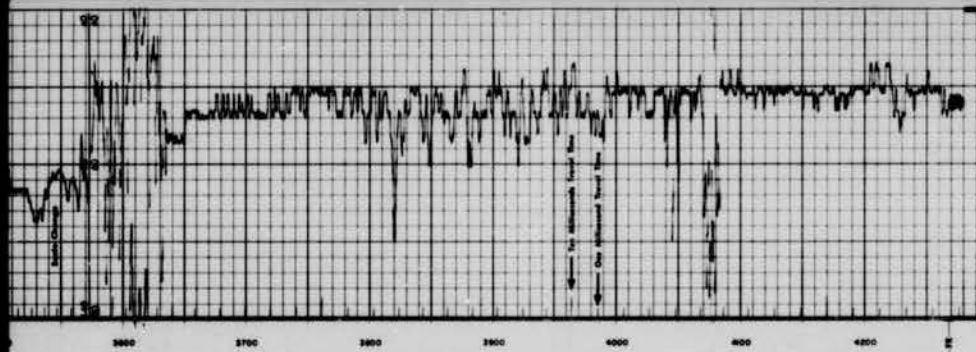




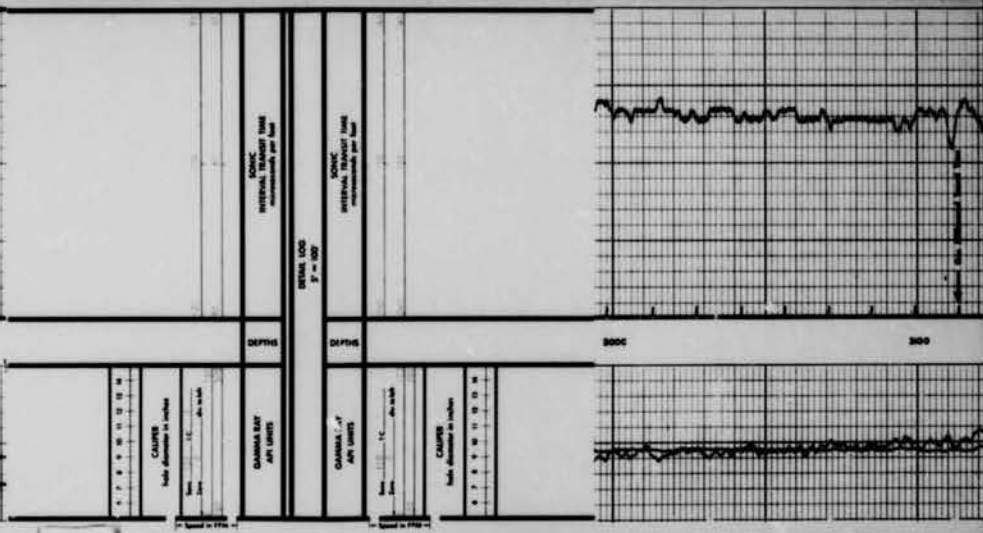
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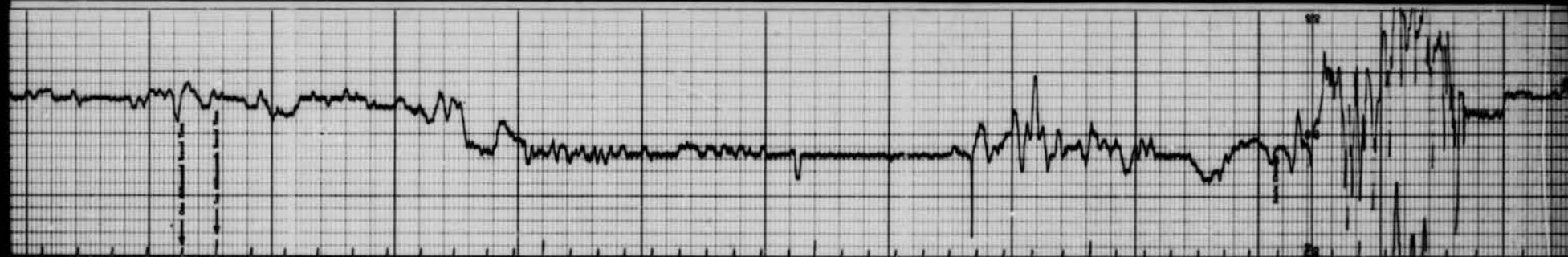


39



140/





3100

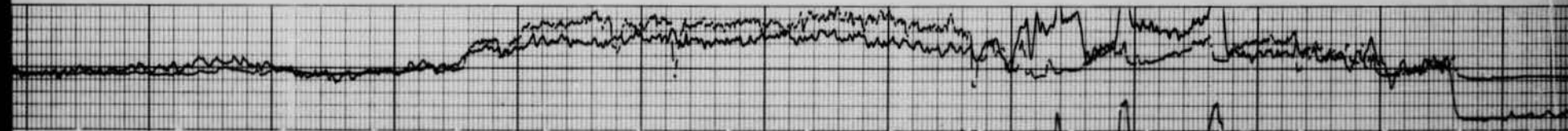
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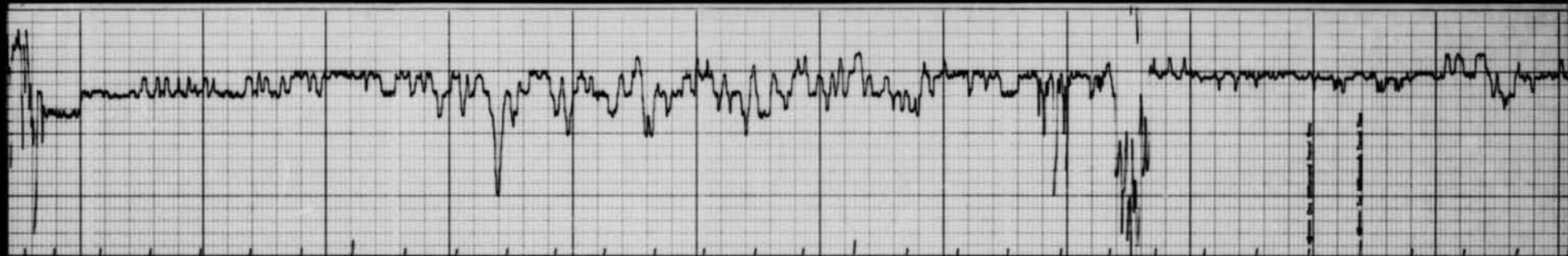
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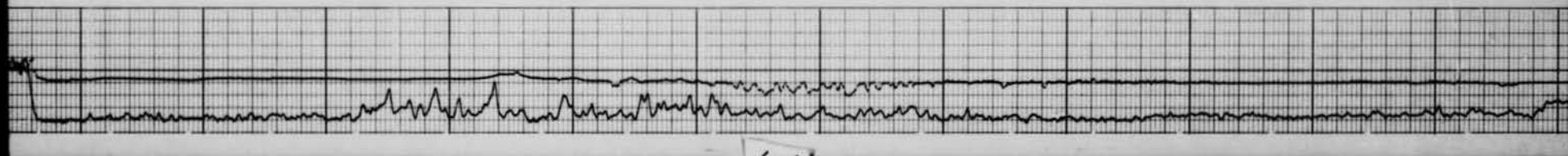
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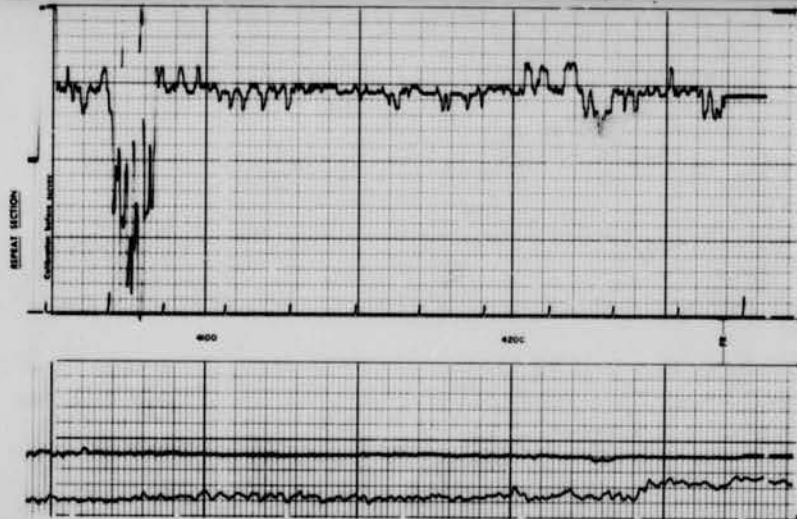
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2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000



69



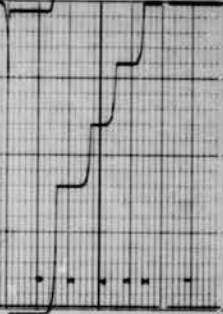
CALIPER	
hole diameter in inches	
1	14
2	13
3	12
4	11
5	10
6	9
7	8
8	7
9	6
10	5
11	4
12	3
13	2
14	1

GAMMA RAY	
API UNITS	
1	100
2	90
3	80
4	70
5	60
6	50
7	40
8	30
9	20
10	10
11	0

DEPTH

IONIC
INTERVAL READING TIME
microseconds per foot

Cellulose before survey



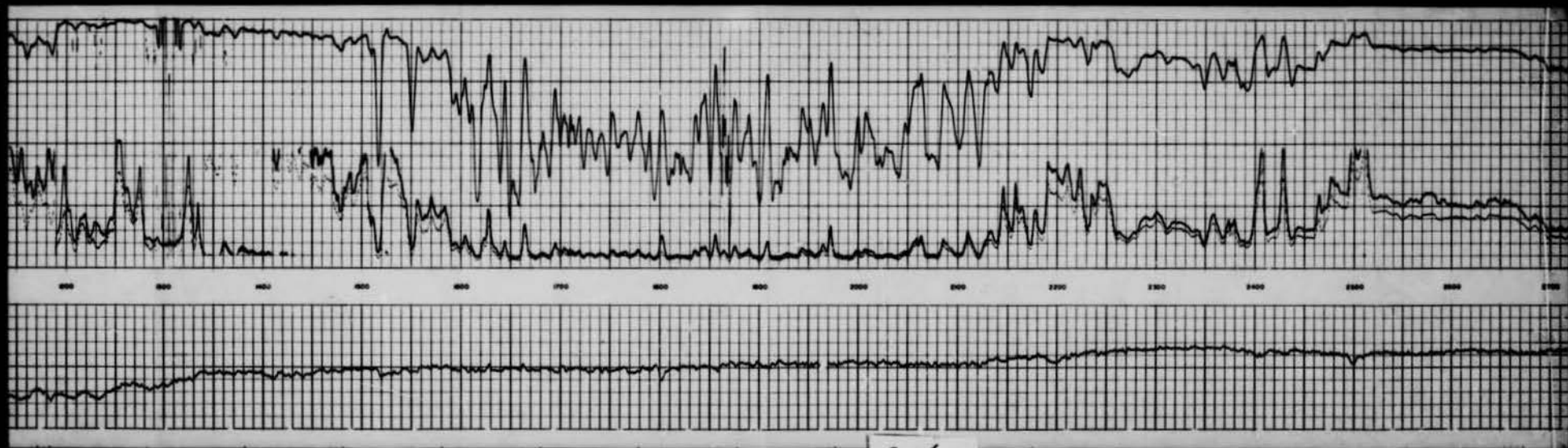
COMPANY Schlumberger

WELL WELL NO. 1

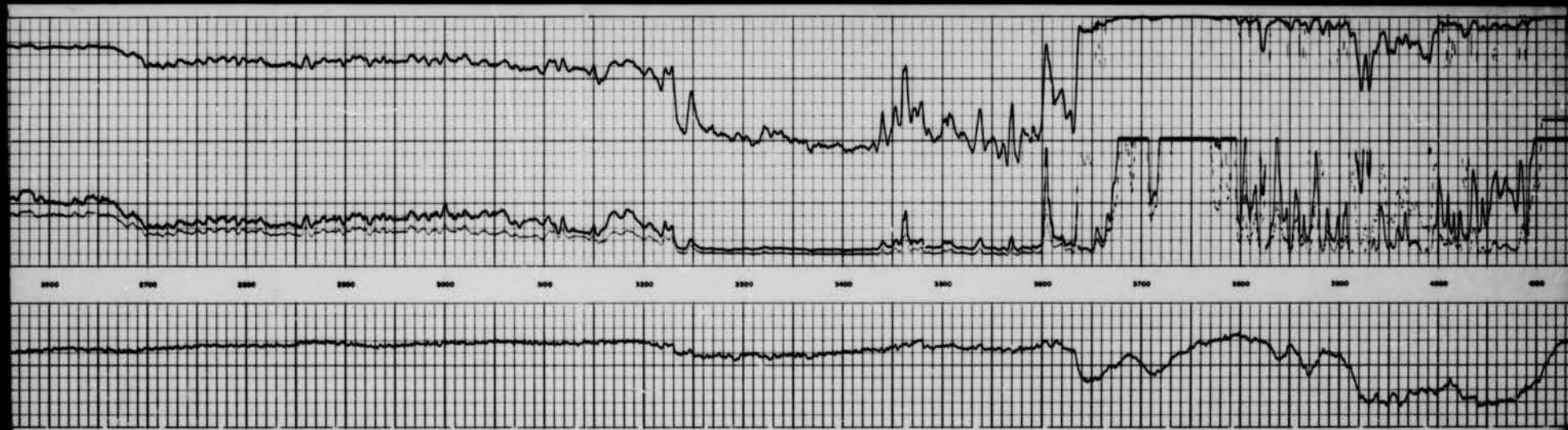
FIELD FIELD

DATE DATE

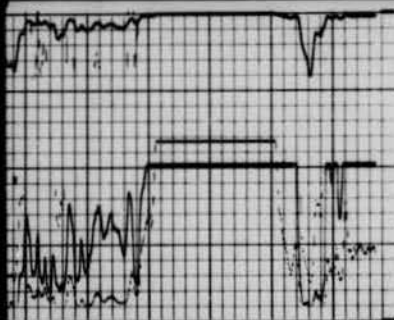
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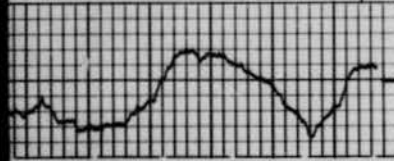
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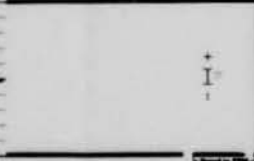


4000 4100 4200



DEEP INDUCTION
AVERAGE LATITUDE - 8
RESISTIVITY ohm-cm

DEPTH



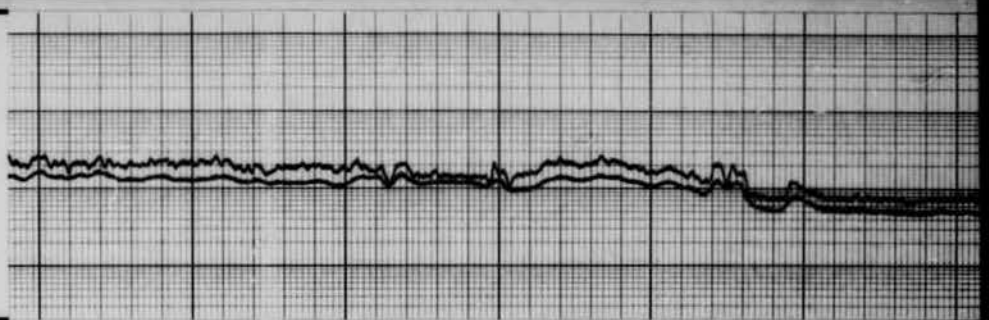
INDUCTION
CONDUCTIVITY ohm-cm

DEPTH

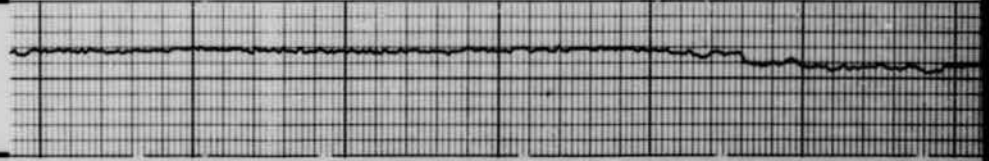


DETAIL LOG 3" = 100
RESISTIVITY ohm-cm
LATITUDE - 8
RESISTIVITY LOG
DEEP INDUCTION LOG

DEPTH



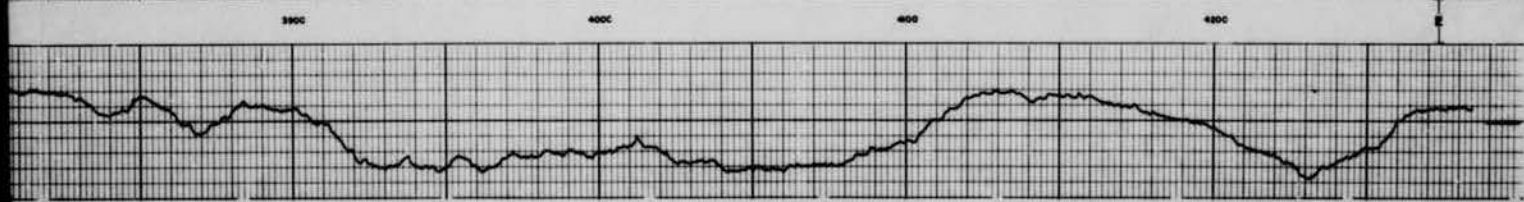
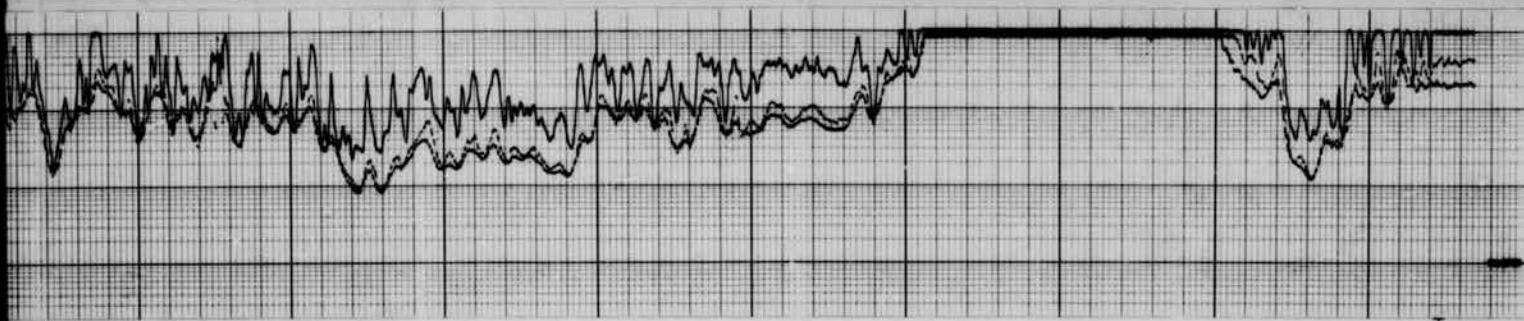
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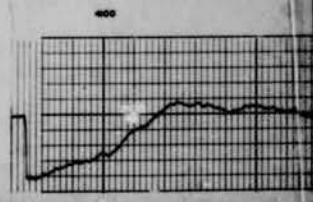
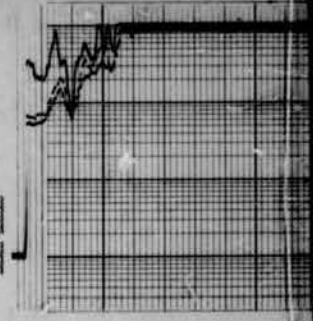
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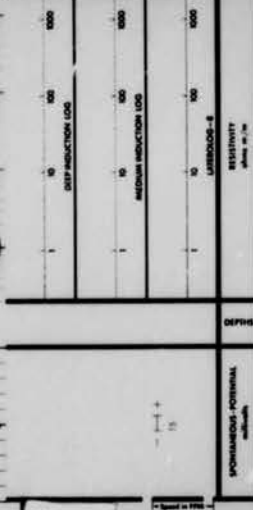
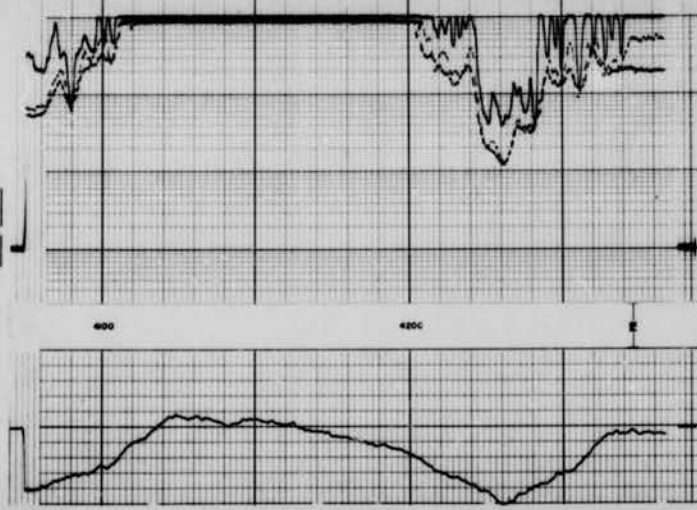
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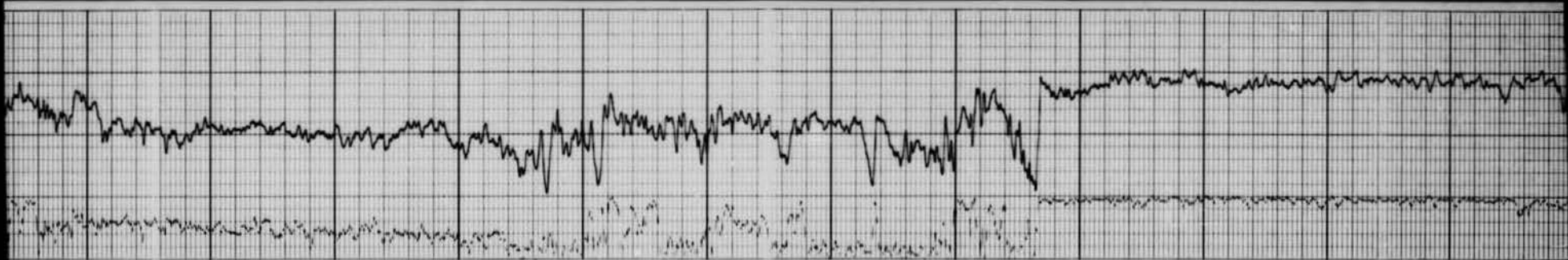
MEASUREMENT



69



Company PACIFIC INTERNATIONAL LTD.



1300

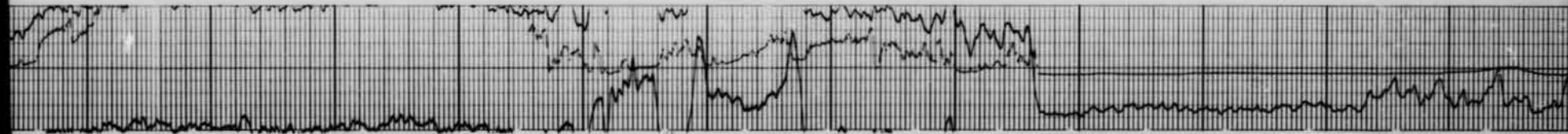
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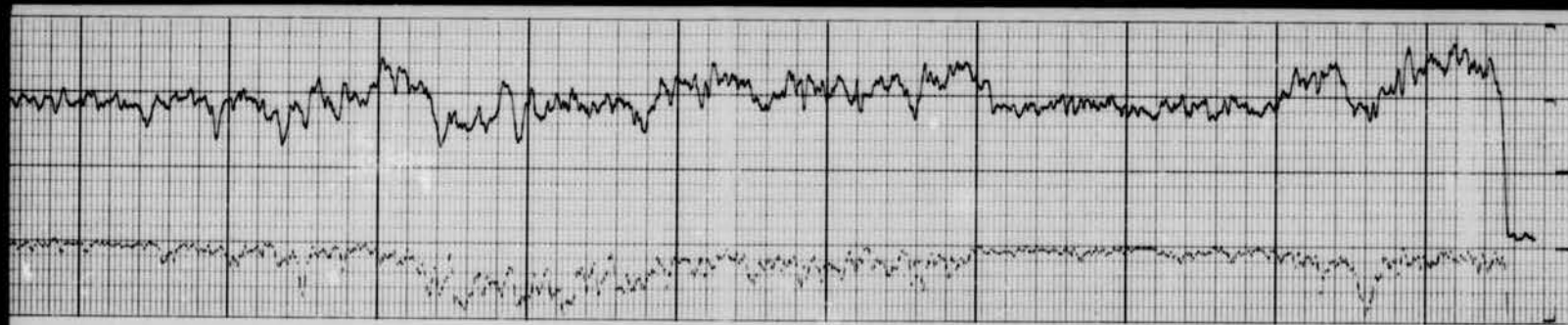
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1700

1800



27



3900

3800

4000

4200

4300

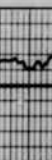
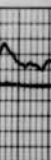
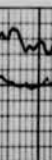
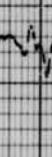
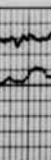
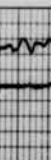
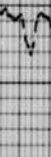
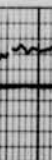
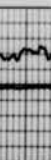
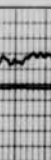
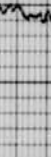
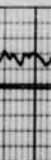
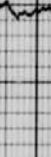
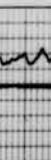
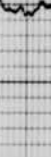
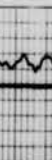
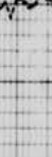
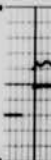
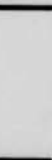
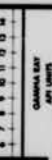
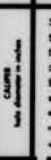
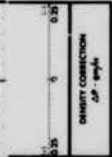
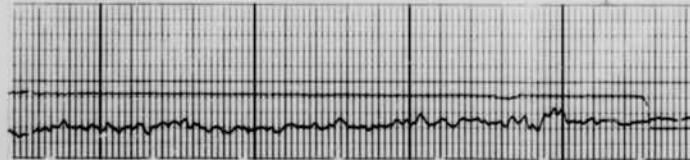
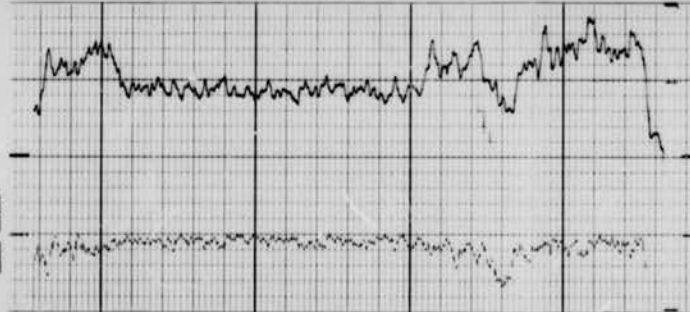
4400

REPRAY SECTION

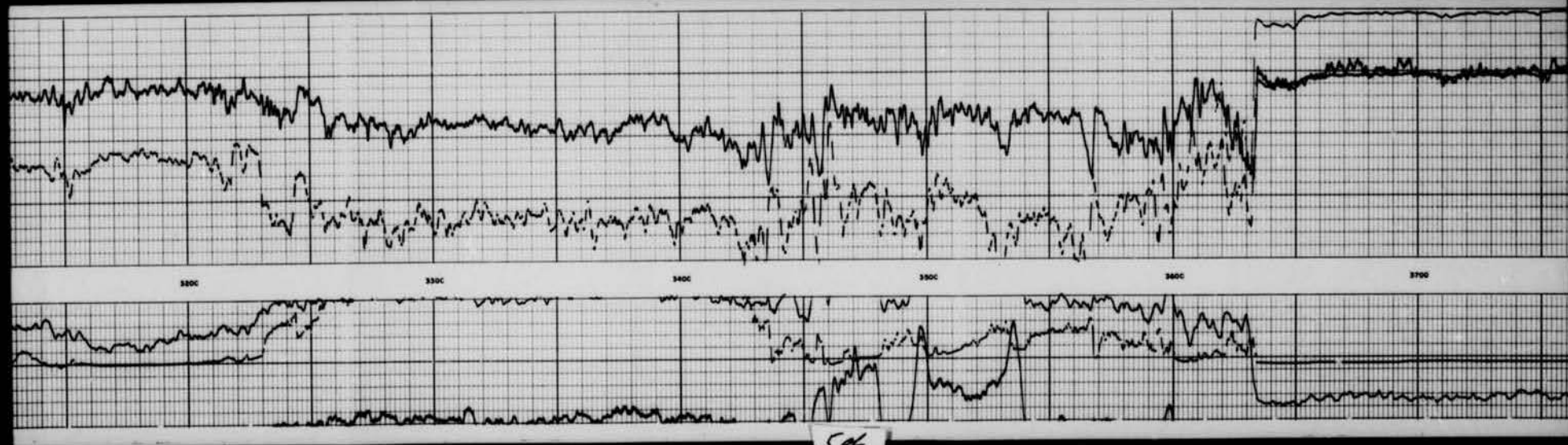
4500

39

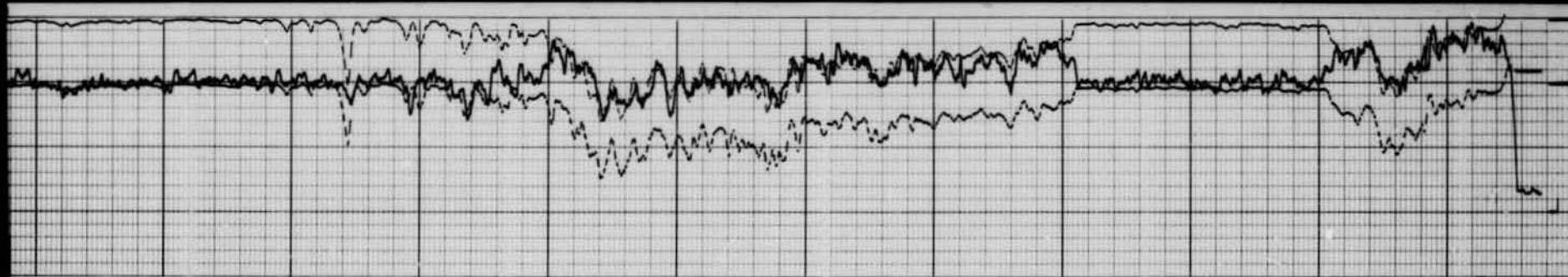
REPEAT SECTION



49



59



3700

3800

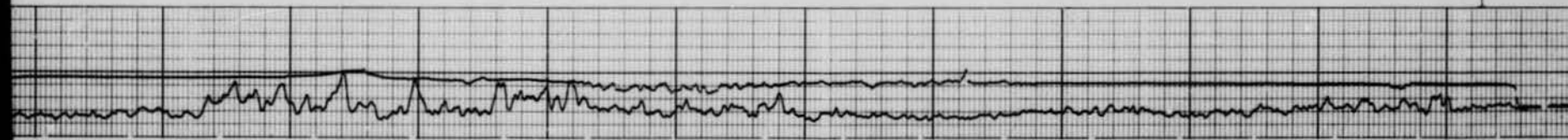
3900

4000

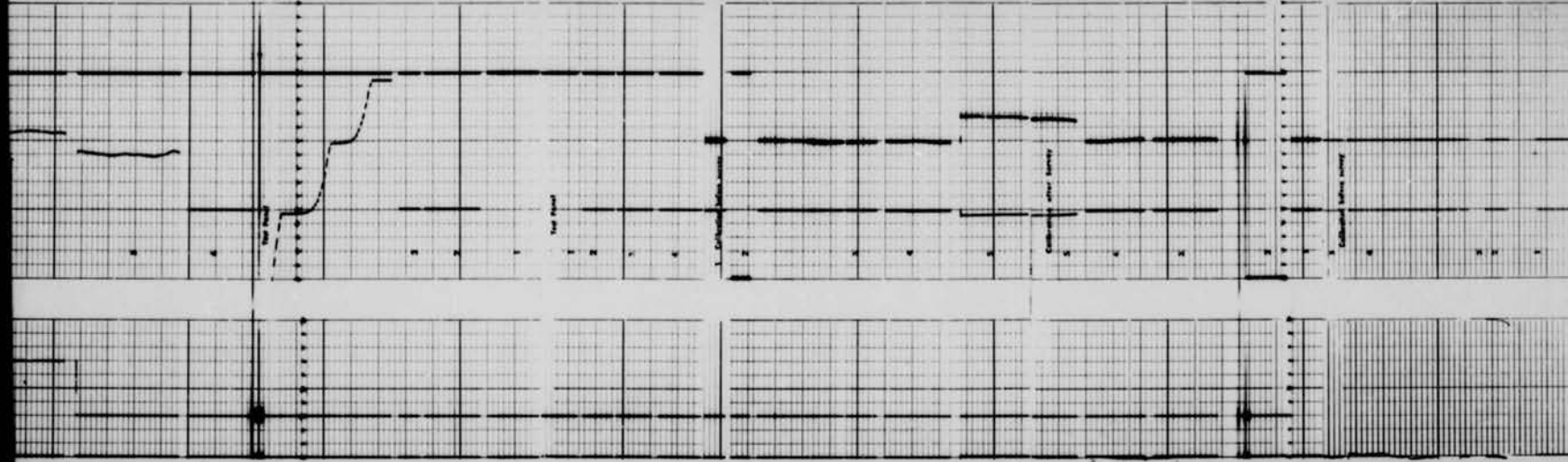
4100

4200

E



69



898

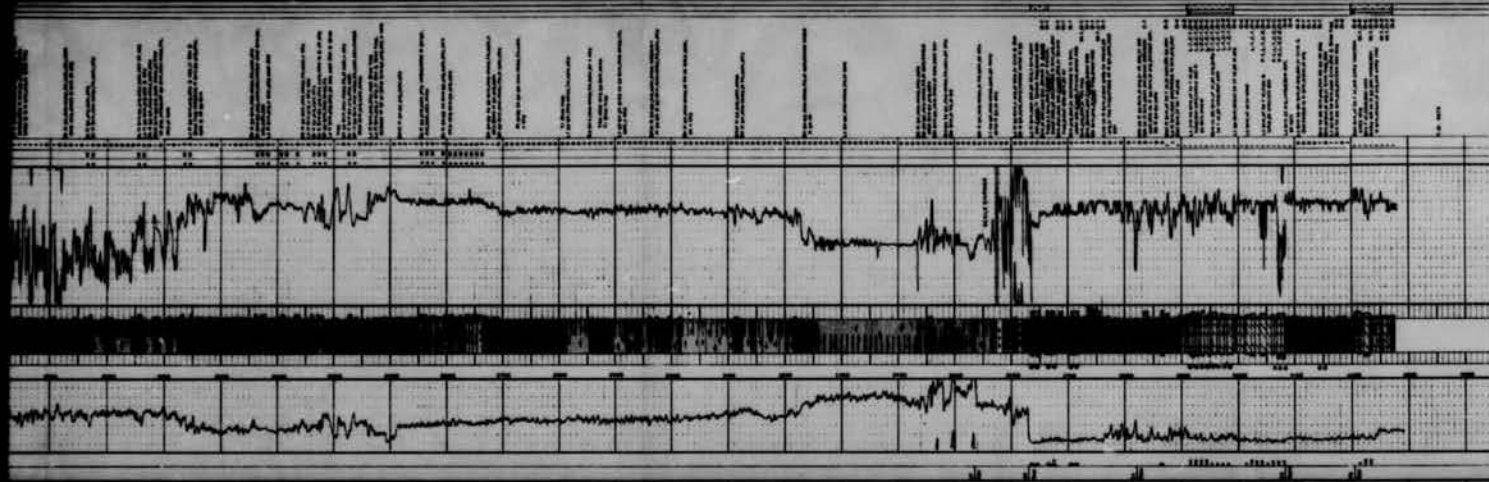
Schlumberger

COMPANY _____

WELL _____

FIELD _____

PROVINCE _____



INFORMATION SUMMARY

REMARKS OF OBSERVATIONS

DATE: 1958-10-10

LOCATION
 NAME
 ADDRESS
 CITY
 STATE
 ZIP

AGE IN YEARS
 SEX
 OCCUPATION
 EDUCATION
 RELIGION
 RACE

DATE OF BIRTH
 PLACE OF BIRTH
 MARITAL STATUS
 NO. OF CHILDREN
 NO. OF SIBLINGS

GENERAL STATE TESTS

REMARKS
 1. The subject is a male, white, born 1918-10-10, 40 years old, 5'10" tall, 170 lbs. weight, blue eyes, brown hair, no visible scars or marks.
 2. The subject is a native-born American citizen, born in the United States, and has no foreign connections.
 3. The subject is a single man, with no children, and has no siblings.
 4. The subject is a high school graduate, with no further education.
 5. The subject is a member of the Roman Catholic Church, and has no other religious affiliations.
 6. The subject is a native-born American citizen, and has no foreign connections.
 7. The subject is a single man, with no children, and has no siblings.
 8. The subject is a high school graduate, with no further education.
 9. The subject is a member of the Roman Catholic Church, and has no other religious affiliations.
 10. The subject is a native-born American citizen, and has no foreign connections.

GENERAL INFORMATION

NAME

ADDRESS

CITY

STATE

ZIP

DATE OF BIRTH

PLACE OF BIRTH

MARITAL STATUS

NO. OF CHILDREN

NO. OF SIBLINGS

DRILLING AUTHORITY NO: 747

REGION: NORTHWEST TERRITORIES

WELL BULLETIN
OIL & MINERAL DIVISION - OIL & GAS SECTION
DEPARTMENT OF INDIAN AND NORTHERN AFFAIRS

DATE APPROVED: 1974-02-19

COMPANY: Pacific Petroleum Limited

PERMIT/LEASE NO: 4139

WELL NAME: FROM: Pacific NB N Tathlina I-72A
TO: Per Amoco N Tathlina I-72A

LOCATION: UNIT I SECTION 72A GRID 60-30-118-00
Latitude $60^{\circ}21'30.5''$ N Longitude $118^{\circ}13'17''$ W

Unique Well Identifier 3021726030118000

Universal Well Location Reference
Latitude 60.35847° N Longitude 118.22139° W

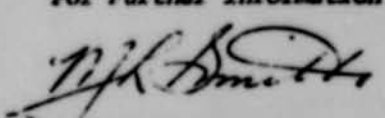
CLASSIFICATION: Exploratory

ELEVATION: G.L. 1108 (est.) K.N. 1120 (est.)

APPROVED FINAL DEPTH: 4,190'

CONTRACTOR: Jomax Drilling Ltd. RIG NO. 1

For Further Information contact:


A/Regional Manager - Oil & Gas Section
Department of Indian & Northern Affairs



Indian and Northern
Affairs Canada

Affaires indiennes
et du Nord Canada

APPLICATION TO CHANGE A WELL NAME
DEMANDE DE MODIFICATION DU NOM D'UN PUIS

Northern Non-renewable Resources Branch - Direction des ressources non renouvelables du Nord

Submitting Authority No.
N° de l'autorité de dépôt

747

Date Received
Date de réception

1974-02-19

Application is made hereby to change the name of the well, recorded in the well Name Register as -

Nous demandons l'autorisation de modifier le nom d'un puits, inscrit au Répertoire des puits sous le nom de -

Old name - Ancien nom

PACIFIC HB N TATHILINA I-72A

Proposed new name - Nouveau nom proposé

TO:
A

PEX AMOCO N TATHILINA I-72A

WELL LOCATION - EMPLACEMENT DU PUIS

LOCATION:

Unit - Unité

Section

Grid - Étendue quadrillée

EMPLACEMENT:

I

72

60-30-118-00

Latitude

60° 21' 30.5" N

Longitude

118° 13' 17" W

Unique Well Identifier - Code de l'ordinateur

302I726030118000

Universal Well Location Reference - Références universelles d'emplacement du puits

LAT 60.35847° N

LONG 118.22139° W

Reason for Changing Well Name - Motif de modification du nom du puits

Well now owned and operated by Petro-Canada.

Date at
Date à

Calgary, Alta.

This
ce

2nd

day of
jour de

April

1981

Signed by - Signé par

Original Signed By

D. M. OSMUS

Title - Titre

Manager, Operations

Company - Société

Petro-Canada Exploration Inc.

BRANCH USE ONLY - À L'USAGE DE LA DIRECTION

APPROVED - APPROUVÉ

This application has been examined and approved:
Demande étudiée et approuvée

Date

1981-05-22

District Conservation Engineer - Ingénieur en conservation du district

M. Gordon L. Deneault

Form to be submitted in triplicate to the District Conservation Engineer to:
Faire parvenir cette formule en trois exemplaires à l'ingénieur en conservation
Indian and Northern Affairs - Affaires indiennes et du Nord



Indian and Northern Affairs
Affaires indiennes et du Nord

OIL AND MINERAL DIVISION DIVISION DU PÉTROLE ET DES MINÉRAUX

WELL-SITE INSPECTION - RAPPORT D'INSPECTION DE
REPORT L'EMPLACEMENT DU PUIT

File No.
N° de dossier

Drilling authority No. 747
Permis de forage N°

From: Field Office or Area - Bureau régional ou zone

Date 1981-05-20

To: YELLOWKNIFE, N.W.T.

At: The Oil Conservation Engineer:
L'ingénieur (Conservation des hydrocarbures):

RE: Au sujet de: Pacific HB N Tathlina I-72A - NOW: Per Amoco N Tathlina I-72A

Location - Emplacement

60°21'31" 118°13'17"

Sheet - État

D6A

This location was inspected by the undersigned on
L'emplacement a été inspecté par le soussigné le

1981-04-20

The location is in ☒ satisfactory ☐ unsatisfactory condition
L'état de l'emplacement est ☒ satisfaisant ☐ insatisfaisant

The following items require attention - Porter une attention spéciale aux articles suivants:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

Other comments and recommendations: (include map, if necessary for clarity) - Autres commentaires et recommandations (ajouter des cartes géographiques au besoin)

A Fly-by Inspection was conducted on the above captioned well.

We were unable to land due to the load on the helicopter. No pictures were taken, however, the site is exceptionally clean and some return growth including small deciduous and conifer trees were evident.

No visible Well Identifier.

S. Jalbert - *[Signature]*
Inspected by - Inspecteur

C.E.T.

Original to Oil Conservation Engineer, Dept of IAND - Original à l'ingénieur conservation des hydrocarbures
Duplicate to Field Office or Inspecting Engineer - Double au bureau local ou ingénieur chargé de l'inspection