PACIFIC ET AL CARLSON
LK. A-50

Drilling Authority No. 388

Date Issued 8 December 1969

WELL NAME Pacific et al Carlson Lk. A-50

FIELD ...C.C.A... Area: .....

LOCATION: Unit A Section 50 Grid 62-30-129-45

Latitude 62-29-08 Longitude 129-52-40

U.W.L.R. 62.48555 -- 129.87778

U.W.I. 300A506230129450

Rig Release Date: .....

Status ...Cmpl...

Information Release Date: .....

CHANGE OF NAME:

DATE RECEIVED		INDEX
8/12/69		Application for a Drilling Authority.
		Well Completion Data.
		Well History Report.
15/12/69		Application to Amend a Drilling Authority.
		Application to change a Well Name.
13/3/70		Application to Abandon a Well or Suspend Drilling.
		Application to Alter Condition of a Well.
		Well History Supplement.
19/5/70		Well Completion Data.
		Work-over Report No. .....
		Application to Commingle Production before Measurement.
		Data for Back Pressure Test on Natural Gas Wells – Monograph 7 Method.
		Data for Back Pressure Test on Natural Gas Wells – Vitter's Method.
		M.P.R. – Oil – Calculations.
		New Oil Well Report.
		New Gas Well Report.
		Well Inspection Report.
		Rig Inspection Report.
		Battery Inspection Report.
		Equipment Report.
		Well Card.
		New Service Well Report.
		Monthly Water Flood Operations Report
		Monthly Water Receipts and Disposal of Fluids Report
		Logs. Large scale..... Small scale.....

IAND 52-90 (3-69)

Drilling Authority No. 388

Date Issued 8th December 1970

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Amended

WELL COMPLETION DATA

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

Well name and number Pacific et al Carlson Lk A-50

Permit No. 4946 Lease No.

Pacific Petroleums Ltd. et al (Permittee, Licensee, Lessee) Exploratory Licence No. 1280

Pacific Petroleums Ltd. (Operator) Exploratory Licence No. 1280

Location: Unit A Section 50 Grid 62°30'; 123° 45'

Latitude 62° 29' 05" Longitude 123° 52' 40"

From Established Reference Marker

Universal Well Location Reference Lat. 62.48555° N Long. 123.87778° W

	DATE	DEPTH
Spudded	1/17/70	
Suspended		
Resumed Operations		
Finished Drilling	3/7/70	7996
Deepened		
Complete (gas/oil)		
Abandoned	3/11/70	7996
Rig released	3/11/70 March 11	7996

Pool(s)

Interval(s) open to production

Elevation: Gr. 2139.6 K.B. 2152

Rig No. 16

Drilling Contractor Peter Bawden Drilling

Contractor's Business Licence No. A-2646

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Set at —	Sacks of Cement and Additives
1. 13 3/8"	K-40	48.0#	793.19	788.0	790 + 1.5% $CaCl_2$
2.					
3.					
4.					
5.					
6.					

GEOLOGICAL TOPS (sample)	ELEVATION Depths	ELEVATION Sub-Sea
Nahanni	2578	- 426
Arnica	3672	- 1520
Total Depth	7996	

CORE RECORD

From	To	Rec.	From	To	Rec.
No Cores					

LOG RECORD

Run No.	Type of Log	From	To
1	IES	7995	785
1	BHC-GR	7994	785
1	Dipmeter	7900	785
1	Velocity Survey	7994	785

IAND 52-90 (2) (2-69)

CEMENTING RECORD (Plug, Squeeze, etc.)

Date	From	To	Remarks
March 10	5300	5000	(1) 150 Sax Felt @ 4965
March 10	4150	3900	(2) 120 Sax Felt @ 3875
March 10	3600	3475	(3) 60 Sax Felt @ 3460
March 11	838	738	(4) 90 Sax Felt @ 738
March 11	Surface		(5) 3 Sax
			Plate welded on top, Riser W/ identification marker installed.

PERFORATING RECORD (Bullet, Jet)

Date	From	To	Remarks
			Nil

SERVICING RECORD (Acidizing, Fracing, etc.)

Date	From	To	Remarks
			Nil

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.B.H.P.	F.S.I.B.H.P.	I.F.B.H.P.	F.F.B.H.P.	I.H.P.	F.H.P.	REMARKS
1	Feb. 10/70	Arnica	3544	3753	60	60	120	1244	1224	29	105	1627	1623	MAB, dec. to VWAB 40 min., Rec'd 1179' fresh, watery, drilling mud.
*2	Feb. 14/70	Arnica	4102	4238	90	60	90	1542	1488	108	415	1914	1914	VWAB preflow dead 90 mins. Rec'd 550' muddy water.
3	Feb. 20/70	Arnica	5090	5240	120	60	120	1909	1883	89	261	2320	2314	FIB SAB dec. to FAB 90 min. dec. to MAB Rec'd 230' muddy water, 3324' sl. salty water
4	Mar. 9/70	Arnica	6310	6520								3014	3004	Misrun - Seat Failure
5	March 9/70	Arnica	6360	6510	60	60	60	1597	537	51	78	3010	2994	VWAB dead 5 min. Rec'd 85' drilling fluid

* Chart data based on field readings. Data lost.

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks
P70-1691-3	water	5090	5240	DST #3	Arnica

PRESENT STATUS OF WELL

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

Company Pacific Petroleums Ltd.

ORIGINAL SIGNED BY
Signed by A.D. ROGAN

Title Manager of Production

Date May 19, 1970

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

File No.
Drilling Authority No. 388

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 et al Carlson Lk A-50

Location: Unit A Section 59 Grid 62° 30' 125° 45'

Latitude 62° 29' 08" Longitude 123° 52' 40"

From Established Reference Marker

Universal Well Location Reference Lat. 62.48555° N Long. 123.67778° W

Permit No. 4946 Lease No.

Pacific Petroleums Ltd. et al
(Permittee, Licensee, Lessee)

Date of commencement of proposed program March 10/70

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at

Gas at

Water at 3324

Total Depth 7996 Date of last operations March 9/70

Present condition of well Abandoned

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. 13 3/8"	48#	793.19	788	790 + 1% $CaCl_2$	None
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	5300 - 5000	Arnica	150	Felt @ 4965
2	4150 - 3900	Arnica	120	Felt @ 3865
3	3600 - 3475	Mahanni Slant Arnica	60	Felt @ 3460
4	838 - 738		90	Felt @ 738

The following logs have been run IES, GRS/C, Dipmeter, Velocity Survey

Other operations proposed

Operations to be carried out by Peter Bawden Drilling Contractor Licence No. A-2646

Address Calgary, Alberta Address

Responsible Agent in field G. E. Patey

Dated at Calgary, Alberta ORIGINAL SIGNED BY, this 12 Day of March 19 70

Signed by A.D. ROGAN Company Pacific Petroleums Ltd.

Title Manager of Production Operator's Exploratory Licence No. 1260

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

(For OIL AND MINERAL DIVISION use only)

APPROVAL

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

Confirming oral approval given by Mr. B.H.J. Thoms on the 9th March 1970.

Dated 18th March, 19 70

Oil Conservation Engineer

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

File No. .....

Drilling Authority No. .....

388

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

RESOURCE MANAGEMENT DIVISION

Application to Amend a Drilling Authority

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

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

388 (Name and Number of Well)

The following amendments are required: Carlson Lk. A-50

Casing program to read:

11 3/4" 42# H-40 New 300' To Surface

Reasons for the amendments:

have program sufficient to put casing well below perma frost line

Dated at Calgary, Alberta, this 1st day of December, 19 69

Signed by ORIGINAL SIGNED BY A.D. ROGAN

Title Manager of Production

Company Pacific Petroleums Ltd.

(For Resource Management Division use only)

APPROVED

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

Date 15th December, 19 69 Oil Conservation Engineer

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

IAND 52-90-3 (3-67)

approved

Drilling Authority No. 388

Project No.

File No.

CANADA

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 et al Carlson Lk A-50

Location: Unit A Section 50 Grid 62° 30'; 123°45'

Latitude 62° 29' 08" Longitude 123° 52' 40"

Unique Well Identifier 3004506230123450

Universal Well Location Reference Lat. 62.48555° N. Long. 123.87778° W.

Elevation: Ground 2000 (E) K.B. 2013 (E) feet above sea-level.

Well is expected to produce from Arnica, Silurian formation at a depth of about 3050, 5530 feet. Expected total final depth 6000

Area assigned to well

(for Oil Conservation Engineer's use only)

Permit No. 4946 Lease No. Acreage 59,310 acres

Permittee, licensee, or lessee Pacific Petroleums Ltd., Westcoast Production Co.Ltd. and Western Pacific Products and Crude Oil Pipelines Ltd.

Exploratory Licence No. 1280

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. 13-3/8	54.50	J-55	New	1200	To Surface
2.					
3.					
4.					
5.					

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

Oil Manitoe, Arnica, Silurian

Gas Manitoe, Arnica, Silurian

Water Manitoe, Arnica, Silurian

Well will be drilled with Rotary Rig No. 16 by Peter Eawden Drilling Services Ltd.

(Drilling Contractor or company)

Responsible agent of applicant:— Contractor's Business Licence No. A-2646

At well C. E. Petsy At registered office A. D. Rogan

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

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

Dated at Calgary, Alberta this 2 day of December 19 69

Signed by [signature] Company Pacific Petroleums Ltd.

Title Manager of Production Operator's Licence No. 1280

(For Oil and Mineral Division use only)

APPROVED

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

1. The Company will submit to this office, on Tuesday of each week, the latest reports received by radio on the progress of the well.
2. During well drilling and testing operations, every effort shall be made to ensure (over)

Dated 8th December 19 69

[signature]
Oil Conservation Engineer

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

IAND 52-90-1 (3-69)

DEC 4 1968

that drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent the contamination of adjacent vegetation and surface or sub-surface waters.

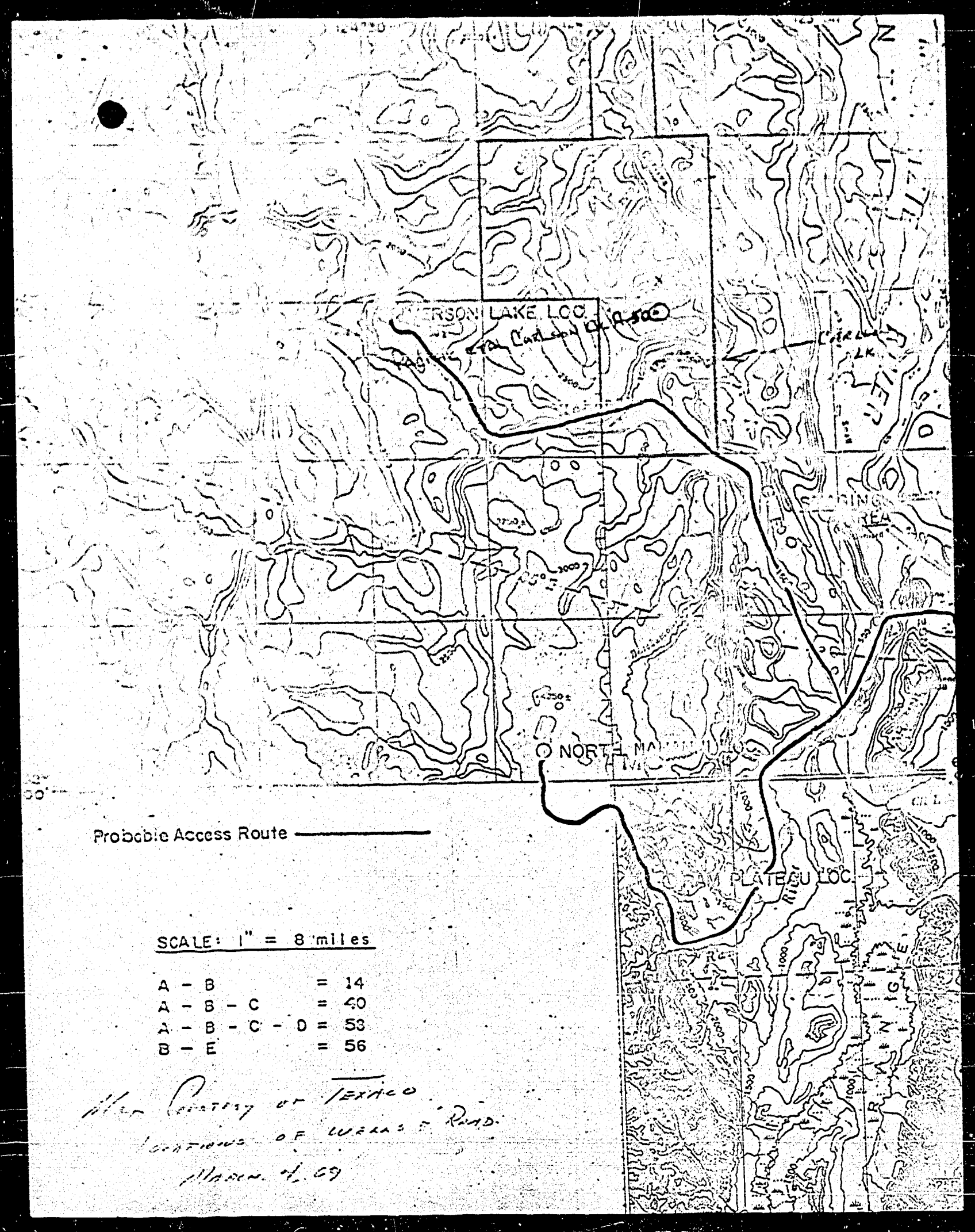
3. A current Oil and Gas Exploratory Licence will be obtained by joint permit holders, Westcoast Production Co. Ltd. and Western Pacific Products and Crude Oil Pipelines Ltd.

4. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.

5. Intermediate or production strings of casing must be approved by the Oil Conservatio Engineer before the casing is run.

B.H.J. Thoms

B.H.J. Thoms, Oil Conservation Engineer



Probable Access Route ——————

SCALE: 1" = 8 miles

A – B	=	14
A – B – C	=	40
A – B – C – D	=	53
B – E	=	56

Also courtesy of Texaco
Locations of Wells & Road
Mason 4/69

PACIFIC PETROLEUMS LTD.

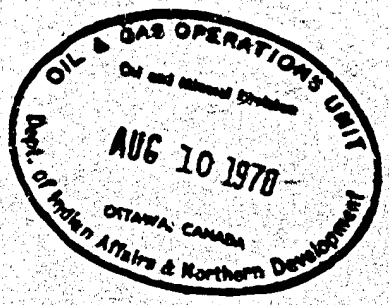
WELL HISTORY REPORT

PACIFIC ET AL CARLSON LK. A-50

PACIFIC PETROLEUMS LTD.

WELL HISTORY REPORT

PACIFIC ET AL CARLSON LK. A-50



PACIFIC PETROLEUMS LTD.

WELL HISTORY REPORT

PACIFIC ET AL CARLSON LK. A-50

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PACIFIC PETROLEUMS LTD.

WELL HISTORY REPORT

PACIFIC ET AL CARLSON LK. A-50

1. SUMMARY OF WELL DATA:

✓(a)	Well Name:	Pacific et al Carlson Lk A-50
✓(b)	Permittee:	Pacific Petroleums Ltd. Westcoast Production Co. Ltd. Western Pacific Products and Crude Oil Pipelines Ltd.
✓(c)	Operator:	Pacific Petroleums Ltd., P.O. Box 6666, Calgary 2, Alberta.
(d)	Location:	A-50-62-30-123-45 Universal Well Location Reference: ✓Lat. 62.48555°N; Long. 123.87778°W. ✓Unique Well Identifier: [illegible]00A506230123450
✓(e)	Co-ordinates:	Not Applicable
✓(f)	Permit No.:	4946
✓(g)	Drilling Contractor:	Peter Bawden Drilling Services Ltd. Rig Number 16 Licence Number A-2646
✓(h)	Drilling Authority:	#388, issued December 8, 1969
✓(i)	Classification:	Wildcat
✓(j)	Elevations:	K.B. to Grd.: 12.40' Ground: 2139.6' K.B.: 2152.0'
✓(k)	Date Spudded:	January 17, 1970
✓(l)	Completed Drilling:	March 7, 1970
✓(m)	Total Depth: PBTD:	7996 feet Surface
✓(n)	Status:	ABANDONED
✓(o)	Date Drilling Rig Released:	March 11, 1970
✓(p)	Hole Sizes to T.D.:	17 1/2" 0 to 788'; 8 3/4" 788 to 7996'T.D.

1. SUMMARY OF WELL DATA, CONT'D.

(q) Casing: 793.19' - 13 3/8" - H-40 - 48#, set at 788' c/w 790 sax + 1.5% $CaCl_2$.

2. GEOLOGICAL SUMMARY:

(a) Formation Tops:

	Sample		Log	
	Depth	Subsea	Depth	Subsea
Nahanni	2578'	- 426'	2576'	- 424'
Headless			3145'	- 991'
Landry			3306'	-1154'
Almica	3672'	-1520'	3544'	-1392'
Silurian/Ordivician	7330'	-5178'	6695'	-4543'
TOTAL DEPTH	7996'			

(b) Cored Intervals:

NIL

(c) Core Descriptions:

NIL

3. GEOLOGICAL SUMMARY, Cont'd.

(c) Sample Descriptions:

sur-120	Shale: medium to dark grey, slightly micromicaceous, slightly silty in part, with traces of Siltstone: medium grey, argillaceous, very slightly calcareous; abundant surface cavings.
120-130	Shale: medium to dark grey, occasionally brownish grey, micromicaceous, slightly silty, with trace to minor Siltstone: medium grey to medium brownish grey, argillaceous, arenaceous, very slightly calcareous in part, decrease cavings.
130-140	Shale: as above, minor Siltstone: as above.
140-170	Shale: medium to dark grey, slightly micromicaceous, very slightly silty in part, with traces of Siltstone: as above.
170-370	Shale: medium to dark grey, slightly micromicaceous.
370-390	Shale: medium to dark grey, very slightly calcareous, slightly micromicaceous, pyritic.
390-400	Shale: as above, nonpyritic.
400-440	Shale: medium to dark grey, slightly micromicaceous, calcareous to occasional very calcareous.
440-450	Shale: medium to dark grey, slightly micromicaceous, very calcareous.
450-510	Shale: medium to dark grey, slightly micromicaceous, very slightly calcareous.
510-788	Shale: medium to dark grey, slightly micromicaceous, extremely slightly calcareous in some samples.
788-800	Shale: as above, with red cement.
800-850	Shale: as above, cement.
850-890	Shale: medium to dark grey, micromicaceous, very slightly silty in part.
890-910	Shale: medium to dark grey, micromicaceous, slightly silty in part.
910-980	Shale: medium to dark grey, micromicaceous, silty in part.
980-1010	Shale: as above, slightly silty in part.
1010-1040	Shale: as above, very slightly silty in part.
1040-1110	Shale: as above, slightly silty in part.
1110-1130	Shale: as above, very slightly silty in part.
1130-1210	Shale: as above, slightly silty in part.

7. GEOLOGICAL SUMMARY, Cont'd.

(c) Sample Descriptions, cont'd.

1210-1230 Shale: as above, very slightly silty in part.

1230-1270 Shale: as above, slightly silty in part.

1270-1310 Shale: as above, very slightly silty in part, with traces of Siltstone: medium grey, argillaceous, very slightly calcareous.

1310-1330 Shale: medium to dark grey, micromicaceous, silty in part, traces of Siltstone: as above.

1330-1340 Shale: as above, slightly silty in part.

1340-1430 Shale: as above, traces Siltstone: medium grey.

1430-1480 Shale: medium to dark grey, micromicaceous, very slightly silty.

1480-1560 Shale: as above, slightly silty.

1560-1590 Shale: as above, silty in part.

1590-1620 Shale: as above, slightly silty in part.

1620-1630 Shale: medium to dark grey, micromicaceous, silty in part, with traces of Siltstone: medium grey, argillaceous, very slightly calcareous.

1630-1640 Shale: as above.

1640-1700 Shale: as above; with traces of Siltstone: meidum grey, argillaceous, very slightly calcareous.

1700-1830 Shale: as above.

1830-1860 Shale: medium to dark grey, micromicaceous, very slightly silty in part.

1860-1930 Shale: as above, slightly silty in part.

1930-1950 Shale: as above; trace to minor Siltstone: light to medium grey, argillaceous, slightly arenaceous, slightly calcareous.

1950-1960 Shale: as above; minor Siltstone: light to medium grey, as above, grading into Sandstone: light grey, very fine, tight.

1960-1990 Shale: as above; traces Siltstone and Sandstone: as above.

1990-2000 Shale: as above; trace to minor Siltstone and Sandstone: as above.

2000-2010 Shale: as above; trace Siltstone and Sandstone: as above.

2010-2030 Shale: as above; trace Siltstone: as above.

2. GEOLOGICAL SUMMARY, Cont'd.

(c) Sample Descriptions, cont'd.

2030-2050 Shale: as above; trace Siltstone and Sandstone: as above.

2050-2070 Shale: as above; trace Siltstone: as above.

2070-2090 Shale: medium to dark grey, micromicaceous, silty in part; with traces of Siltstone: medium grey, argillaceous, very slightly calcareous, and Sandstone: light to medium grey, very fine, argillaceous, silty, very slightly calcareous, tight.

2090-2100 Shale: as above, slightly silty in part, with traces of Siltstone: as above.

2100-2150 Shale: medium to dark grey, micromicaceous, silty in part, with traces of Siltstone: as above.

2150-2160 Shale: as above; with trace of Siltstone: as above; trace Sandstone: white to light grey, very fine, very slightly calcareous, tight.

2160-2170 Shale: dark grey, micromicaceous, very slightly silty, very slightly calcareous; with abundant Siltstone: light to medium grey, calcareous, and Sandstone: light grey, very fine, subangular to subrounded, fairly sorted, quartzitic, calcareous, tight.

2170-2180 Shale: medium to dark grey, micromicaceous, silty, with traces of Siltstone: as above.

2180-2200 Shale: medium to dark grey, micromicaceous, abundant Siltstone and Sandstone: light to medium grey, very fine, subangular to subrounded, quartzitic, calcareous, very dolomitic, tight.

2200-2220 Shale: as above; minor Siltstone and Sandstone: as above.

2220-2270 Shale: as above; abundant Siltstone and Sandstone: as above.

2270-2300 Shale: dark grey to occasionally black, slightly micromicaceous, slightly bituminous; Siltstone and Sandstone: as above.

2300-2310 Shale: dark grey to black, slightly micromicaceous, slightly bituminous, traces Siltstone and Sandstone: as above.

2310-2320 Shale: as above; minor Siltstone and Sandstone: as above.

2320-2330 Shale: as above; Siltstone and Sandstone: as above.

2330-2340 Shale: medium to dark grey to occasionally black, slightly micromicaceous, very slightly bituminous, very slightly pyritic in part; with traces of Siltstone and Sandstone: as above.

2340-2350 Shale: medium to dark grey to black, slightly micromicaceous, slightly bituminous, very slightly pyritic.

2. GEOLOGICAL SUMMARY, Cont'd.

(c) Sample Descriptions, cont'd.

2350-2360 Shale: medium to dark grey, slightly micromicaceous, very slightly silty in part, traces pyrite.

2360-2390 Shale: dark grey to black, slightly micromicaceous, very slightly silty in part, slightly bituminous, traces pyrite.

2390-2410 Shale: dark grey to black, slightly micromicaceous, slightly bituminous, slightly pyritic; trace Siltstone: light to medium grey, very dolomitic and grading to Dolomite.

2410-2420 Shale: as above, pyritic.

2420-2450 Shale: medium to dark grey to black, slightly micromicaceous, slightly bituminous in part; traces Siltstone: light to medium grey, very dolomitic and grading to Dolomite.

2450-2470 Shale: very dark grey to black, slightly micromicaceous, very slightly dolomitic, bituminous, slightly pyritic in part.

2470-2500 Shale: as above; with traces of Siltstone: light to medium grey, slightly calcareous, dolomitic and grading to Dolomite.

2500-2540 Shale: very dark grey to black, slightly micromicaceous, slightly bituminous, slightly pyritic.

2540-2550 Shale: very dark grey, slightly micromicaceous, very slightly bituminous, very slightly pyritic (traces cement).

2550-2560 Shale: very dark grey to occasional black, very slightly bituminous, very slightly pyritic.

2560-2570 Shale: very dark grey to occasional black, very slightly silty, very slightly calcareous, slightly bituminous, traces of Siltstone: medium grey, very dolomitic and grading to Dolomite.

2570-2580 Shale: very dark grey to black, calcareous in part, slightly bituminous, very slightly pyritic in part.

NAHANNI 2578'

2580-2590 Shale: dark grey, calcareous to very calcareous and grading to Limestone: medium to dark grey to brownish grey, microcrystalline, very argillaceous, dense; abundant white calcite veins.

2590-2610 Limestone: light to medium to dark brownish grey, microcrystalline, very argillaceous, dense.

2610-2620 Limestone: as above; minor Shale: as above.

2620-2650 Limestone: as above; abundant Shale: as above.

2. GEOLOGICAL SUMMARY, Cont'd.

(c) Sample Descriptions, cont'd.

2650-2690 Limestone: buff, light to medium to occasional dark brownish grey, microcrystalline, very argillaceous, slightly silty in part and occasionally grading into Siltstone: dense; Shale: medium to dark grey, as above: some white calcite.

2690-2710 As above; increase Shale.

2710-2730 Shale: as above; abundant Limestone: as above.

2730-2750 Limestone: as above; abundant Shale: as above.

2750-2770 Equal amounts of Limestone and Shale: as above.

2770-2800 Limestone: buff to medium to dark brownish grey, microcrystalline, argillaceous, slightly silty in part; minor Shale: as above; some white calcite.

2800-2810 Limestone: buff to medium to dark brownish grey, micro to occasional very fine crystalline, argillaceous in part, slightly silty in part, dense, some white calcite.

2810-2820 Limestone: as above; with minor Shale: medium to dark grey, slightly micromicaceous.

2820-2880 Limestone: buff to medium to dark brownish grey, microcrystalline, argillaceous to very argillaceous, slightly silty in part, dense; some white calcite; traces Shale: as above.

2880-2890 Limestone: medium to dark brownish grey, microcrystalline, argillaceous to very argillaceous and grading to Shale in part; very slightly silty in part, dense; some white calcite.

2890-3040 Limestone: buff to light to medium to mostly dark brownish grey, microcrystalline, argillaceous to very argillaceous and grading to Shale in part, slightly silty in part, dense, scattered fossil fragments in crinoids, brachs, etc.; calcite as above; traces Shale: very calcareous.

3040-3050 Limestone: buff to light to medium brownish grey, micro to fine crystalline, slightly argillaceous, slightly silty and slightly arenaceous, very slightly cherty in few grains, dense; abundant scattered white calcite.

3050-3060 Limestone: buff to light to medium greyish brown, microcrystalline, slightly argillaceous, slightly silty, dense.

3060-3150 Limestone: buff to light to medium to dark brownish grey, microcrystalline, very argillaceous and grading into Shale in part, slightly silty, dense; traces white calcite.

2. GEOLOGICAL SUMMARY, Cont'd.

(c) Sample Descriptions, cont'd.

3150-3190 Limestone: medium to dark brownish grey, microcrystalline, very argillaceous grading to Shale in part, slightly silty, dense.

3190-3280 Limestone: buff to light to medium to mostly dark brownish grey, microcrystalline, argillaceous to very argillaceous and grading to Shale in part, slightly silty, dense, Shale: very calcareous.

3280-3290 Limestone: buff to light to medium to occasional dark greyish brown, microcrystalline, argillaceous, slightly silty, dense; some Shale: very calcareous.

3290-3320 Limestone: buff to light to medium to mostly dark brownish grey, microcrystalline, argillaceous to very argillaceous, grading to Shale in part, slightly silty, dense; Shale: very calcareous.

3320-3350 Limestone: buff to light to medium to dark greyish brown, microcrystalline, argillaceous, slightly silty, dense; some Shale: as above.

3350-3380 Limestone: buff to light to medium to dark greyish brown, microcrystalline, argillaceous, very slightly silty in part, fossiliferous, dense; minor Shale: as above.

3380-3400 Limestone: buff to light to medium greyish brown, crypto to microcrystalline, very slightly argillaceous in part, dense.

3400-3410 Limestone: buff to light to medium to dark greyish brown, microcrystalline, argillaceous to very argillaceous, grading to Shale in part, dense.

3410-3500 Limestone: buff to light to medium to occasional dark greyish brown, crypto to microcrystalline, slightly argillaceous, dense.

3500-3550 Limestone: buff to light to medium greyish brown, cryptocrystalline, slightly argillaceous, dense.

3550-3560 Limestone: buff to light to medium greyish brown, cryptocrystalline, slightly chalky (partly bit damaged), slightly argillaceous, dense.

3560-3590 Limestone: buff to light to medium to occasional dark greyish brown, crypto to microcrystalline, argillaceous in part, slightly silty, slightly dolomitic in part, freely grown calcite crystals indicate fracturing. (Drilling break 6-3"/ft. from 3557-3569).

3590-3650 Limestone: as above; some white clear calcite.

3650-3660 Limestone: as above; with traces of white Anhydrite.

3660-3672 Limestone: as above; trace Dolomite: white, fine to coarse crystalline, dense.

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2. GEOLOGICAL SUMMARY, Cont'd.

(c) Sample Descriptions, cont'd.

3672-3710 Dolomite: white, coarse crystalline, and minor Dolomite: medium brown, fine crystalline, sucrosic appearance, slightly argillaceous, some freely grown Dolomite crystals, trace pyrobitumen between the crystals, scattered fair vuggy porosity (no staining).

3710-3740 Dolomite: white, as above; abundant Dolomite: medium brown, sucrosic, as above.

3740-3753 Dolomite: medium greyish brown, very fine to fine crystalline, slightly argillaceous, slightly sucrosic appearance, traces of very poor intercrystalline porosity, minor Dolomite: white, as above.

3753-3760 As above.

3760-3770 Dolomite: light greyish brown, micro to very fine crystalline, dense and Dolomite: medium greyish brown, micro to very fine crystalline, dense.

3770-3780 Dolomite: as above; with traces of Dolomite: white, coarse crystalline, trace very poor vuggy porosity.

3780-3800 Dolomite: medium greyish brown, fine crystalline, slightly argillaceous, dense, minor Dolomite: buff and Dolomite: white, as above.

3800-3850 Equal amounts of Dolomite: medium greyish brown, fine crystalline, slightly argillaceous, dense; grading into Dolomite: buff to light greyish brown, very fine to fine crystalline, dense; trace Dolomite: white, coarse crystalline, trace quartz crystals.

3850-3860 Dolomite: medium greyish brown, fine crystalline, slightly argillaceous, dense, slightly mottled with lighter coloured Dolomites: as above.

3860-3870 Dolomite: light to medium greyish brown, micro to very fine crystalline, slightly argillaceous, dense; minor Dolomite: white, coarse crystalline.

3870-3890 Dolomite: buff to light to medium greyish brown, very fine to fine crystalline, slightly argillaceous in part, dense; trace Dolomite: white, coarse crystalline.

3890-3900 Dolomite: medium greyish brown, very fine to fine crystallne, slightly argillaceous, dense; traces Dolomite: white, coarse crystalline.

3900-3910 Dolomite: light to medium greyish brown, crypto to microcrystalline to very fine crystalline, traces Dolomite: white.

3910-3930 Dolomite: buff to light to medium greyish brown, crypto to micro to very fine crystalline, very slightly argillaceous, dense; traces Dolomite: white.

7. GEOLOGICAL SUMMARY, Cont'd.

(c) Sample Descriptions, cont'd.

3930-3960 Dolomite: medium greyish brown, very fine to fine crystalline, slightly argillaceous, dense; traces dolomite: white, traces of very poor vuggy porosity in the white Dolomite which seems to occur in veins and patches.

3960-3980 As above, with Dolomite: light greyish brown, micro to very fine crystalline, dense.

3980-3990 Dolomite: medium to occasional dark greyish brown, very fine to fine crystalline, slightly argillaceous, dense; traces Dolomite: white, coarse crystalline.

3990-4000 As above, with Dolomite: white as above, dense, no freely grown crystals.

4000-4030 Dolomite: as above; abundant Dolomite: white, coarse crystalline, as above.

4030-4060 Dolomite: buff to light to medium greyish brown, very fine to fine crystalline, slightly argillaceous in part, dense; minor Dolomite: white, coarse crystalline.

4060-4070 Dolomite: buff to light to medium greyish brown, as above; traces Dolomite: white, as above.

4070-4150 Dolomite: buff to light to medium to occasional dark greyish brown, micro to very fine crystalline, slightly argillaceous in part, dense; traces Dolomite: white, as above.

4150-4310 Dolomite: buff to light to medium to occasional dark greyish brown, micro to very fine crystalline, slightly argillaceous in part, generally dense with traces of very poor microvuggy and intercrystalline porosity.

4310-4330 Dolomite: as above, dense.

4330-4380 Dolomite: as above, generally dense, with trace of very poor intercrystalline and microvuggy porosity; few freely grown Dolomite crystals line fissures; few quartz crystals.

4380-4400 Dolomite: as above, generally dense, trace of very poor intercrystalline and microvuggy porosity.

4400-4460 Dolomite: as above, dense.

4460-4480 As above, generally dense, trace very poor microvuggy and intercrystalline porosity; trace of freely grown Dolomite crystals.

4480-4510 Dolomite: buff to light to medium to occasional dark greyish brown, micro to occasional very fine crystalline, slightly argillaceous, dense; trace Shale: medium to dark brownish grey.

2. GEOLOGICAL SUMMARY, Cont'd.

(c) Sample Descriptions, cont'd.

4510-4580 Dolomite: buff to light to medium to occasional dark greyish brown, micro to very fine crystalline, slightly argillaceous, dense; trace Shale: medium to dark brownish grey.

4580-4620 Dolomite: medium to occasional dark greyish brown, micro to very fine crystalline, slightly argillaceous, dense; trace Shale: as above.

4620-4630 Dolomite: buff to light to medium to occasional dark greyish brown, micro to very fine crystalline, slightly argillaceous, dense.

4630-4650 Dolomite: as above, slightly darker; trace Shale: medium to dark brownish grey.

4650-4670 Dolomite: buff to light to medium to occasional dark greyish brown, slightly argillaceous, dense.

4670-4680 Dolomite: medium to occasional dark greyish brown, micro to very fine crystalline, slightly argillaceous, dense, traces Dolomite: white, coarse crystalline, dense.

4680-4700 Dolomite: buff to light to medium to occasional dark greyish brown, slightly argillaceous, dense.

4700-4720 Dolomite: as above, trace Shale: medium to dark brownish grey.

4720-4730 Dolomite: buff to light to medium greyish brown, crypto to micro to very fine crystalline, dense.

4730-4750 Dolomite: buff to light to medium to occasional dark greyish brown, micro to very fine crystalline, slightly argillaceous, dense.

4750-4890 Dolomite: as above; trace Shale: medium to dark brownish grey.

4890-4920 Dolomite: light to mostly medium and dark greyish brown, microto very fine crystalline, slightly argillaceous, dense; trace Shale: as above.

4920-4980 Dolomite: buff to light to medium to dark greyish brown, crypto to micro to very fine crystalline, slightly argillaceous, dense; trace Shale: as above.

4980-5020 Dolomite: as above; minor Shale: as above.

5020-5040 Dolomite: buff to light to medium to dark greyish brown, micro to very fine crystalline, slightly argillaceous, dense; trace Shale: as above.

5040-5070 Dolomite: buff to light to medium greyish brown, crypto to micro to very fine crystalline, very slightly argillaceous, dense, trace Shale: as above.

V. GEOLOGICAL SUMMARY, Cont'd.

(c) Sample Descriptions, cont'd.

5070-5100 Dolomite: buff to light to medium to occasional dark greyish brown, crypto to micro to very fine crystalline, slightly argillaceous, dense; trace Shale: as above.

5070-5100 Dolomite: buff to light to medium to occasional dark greyish brown, crypto to micro to very fine crystalline, slightly argillaceous, dense; trace Shale: as above.

5100-5140 Dolomite: buff to cream to light greyish brown, micro to very fine crystalline porosity; traces Dolomite: white, medium to coarse crystalline, traces freely grown Dolomite crystals which indicate some very poor vuggy porosity.

5140-5170 Dolomite: buff to cream to light greyish brown, as above.

5170-5200 Dolomite: buff to light to occasional medium greyish brown, micro to very fine crystalline, very slightly argillaceous in part, trace very poor intercrystalline and microvuggy porosity; trace freely grown Dolomite crystals; a few grains of Anhydrite?.

5200-5210 Dolomite: buff to cream, microcrystalline, traces of microvuggy, pinpoint and intercrystalline porosity; trace freely grown Dolomite crystals.

5210-5240 Dolomite: as above; trace of fair porosity; no staining.

5240-5270 Dolomite: buff to light to medium to dark greyish brown, micro to very fine crystalline, slightly argillaceous to argillaceous, dense; minor Shale: medium to dark brownish grey.

5270-5290 Dolomite: light to medium to mostly dark greyish brown, argillaceous, dense; minor Shale: medium to dark brownish grey.

5290-5310 Dolomite: medium to dark greyish brown, micro to very fine crystalline, argillaceous, slightly siliceous in part, dense; slightly mottled with some Dolomite: white, coarse crystalline, dense; trace Shale: dark brownish grey.

5310-5440 Dolomite: medium to mostly dark greyish brown, microcrystalline, argillaceous, slightly siliceous in part, dense; slightly mottled with some Dolomite: white, coarse crystalline, dense; trace Shale: as above.

5440-5470 Dolomite: dark, as above; trace Dolomite: white, as above; trace Shale: as above.

5470-5520 Dolomite: medium to mostly dark greyish brown, microcrystalline, argillaceous, slightly siliceous in part, dense; slightly mottled with Dolomite: white, coarse crystalline, dense, and Dolomite: buff to light greyish brown, microcrystalline, dense; trace Shale: as above.

7. GEOLOGICAL SUMMARY, Cont'd.

(c) Sample Descriptions, cont'd.

5520-5540 Dolomite: medium to dark greyish brown, microcrystalline, slightly argillaceous, dense; slightly mottled with lighter coloured Dolomites: as above; trace Shale: as above.

5540-5570 All as above; slightly increased Shale.

5570-5610 All as above; abundant Shale: as above.

5610-5630 Dolomite: buff to light to medium to mostly dark greyish brown, microcrystalline, argillaceous, generally dense with traces of very poor porosity in few grains.

5630-5730 Dolomite: buff to light to medium to occasional dark greyish brown, crypto to mostly microcrystalline, slightly argillaceous, dense; minor Shale: as above.

5730-5740 As above; with trace Shale: as above.

5740-5780 Dolomite: buff to light to medium greyish brown, very slightly arenaceous in part with some floating quartz grains in Dolomite, crypto to microcrystalline, dense; trace Shale: as above.

5780-5790 Dolomite: buff to light to medium to occasional dark greyish brown, crypto to microcrystalline, slightly argillaceous, dense; trace Shale: as above.

5790-5800 Dolomite: buff to light to medium greyish brown, crypto to microcrystalline, very slightly arenaceous in part with few floating fine to medium grained quartz grains in Dolomite, dense; trace Shale: as above.

5800-5850 Dolomite: as above, slightly darker, trace Shale: as above.

5850-5900 Dolomite: buff to occasional light and medium greyish brown, crypto to very fine crystalline, very slightly arenaceous in part, dense; trace Shale: as above.

5900-6230 Dolomite: buff to light to occasional medium greyish brown, crypto to occ. microcrystalline, dense; trace to slight trace Shale: medium to dark brownish grey.

6230-6260 Dolomite: buff to light to occasional medium greyish brown, crypto to micro crystalline, dense.

6260-6270 Dolomite: buff to light to occasional medium greyish brown, crypto to occ. microcrystalline, dense.

6270-6290 Dolomite: as above with occasional dark greyish brown.

6290-6320 Dolomite: light to dark greyish brown to occasional buff, crypto to micro crystalline, dense.

2. GEOLOGICAL SUMMARY, Cont'd.

(c) Sample Descriptions, cont'd.

6320-6350 Dolomite: buff to light to occasional medium and dark greyish brown, crypto to occasional microcrystalline, dense.

6350-6390 Dolomite: buff to light to medium to occasional dark greyish brown, crypto to occasional microcrystalline, dense, with trace Shale: medium to dark brownish grey.

6390-6430 Dolomite: buff to light to occasional medium to trace greyish brown, crypto to partly microcrystalline, dense; slight trace Shale: as above.

6430-6450 Dolomite: buff to light to medium to dark greyish brown, crypto to partly microcrystalline, slightly argillaceous, dense; trace Shale: as above.

6450-6480 Dolomite: medium to dark to occasional light greyish brown to occasional buff, cryptocrystalline to partly microcrystalline, slightly argillaceous, dense.

6480-6490 Dolomite: buff to light to medium to occasional dark greyish brown, crypto to occasional microcrystalline, dense; slight trace Dolomite: white, medium to coarse crystalline, dense; trace Shale: as above.

6490-6500 Dolomite: buff to light to medium brownish grey, crypto to occasional microcrystalline, dense; slight mottled with Dolomite: white, fine to occasional medium crystalline and very slight trace freely grown crystals which indicate slight trace very poor vuggy porosity; trace Shale: as above.

(Drilling break 6483-6504 4"-2"/foot.)

6500-6510 Dolomite: buff to occasional light to medium greyish brown, crypto to occasional microcrystalline, dense, mottled with Dolomite: white, trace fine crystalline and very slight trace freely grown Dolomite crystals which indicates slight trace very poor vuggy porosity, trace Shale: as above.

6510-6550 Dolomite: buff to light to occasional medium greyish brown, crypto to occasional microcrystalline, dense; trace to slight trace Dolomite: white, medium to occasional fine crystalline, dense; trace Shale: as above.

6550-6580 Dolomite: buff to light to occasional medium to trace dark grey brown cryptocrystalline to occasional microcrystalline, dense; very slight trace Dolomite: white, fine to medium crystalline, dense, and very slight trace freely grown Dolomite crystals which could indicate very slight trace very poor vuggy porosity.

2. GEOLOGICAL SUMMARY, Cont'd.

(c) Sample Descriptions, cont'd.

6580-6590 Dolomite: buff to occasional light to trace medium greyish brown, crypto to microcrystalline, trace arenaceous, dense; very slight trace Dolomite: white to fine to medium crystalline, dense; very slight trace Dolomite rhombs which could indicate slight trace very poor vuggy porosity; trace Shale: as above.

6590-6600 Dolomite: as above with trace Dolomite: white, fine to occasional medium crystalline, dense; very slight trace freely grown Dolomite crystals which could indicate very slight trace very poor vuggy porosity; slight trace Shale: as above.

6600-6620 Dolomite: buff to light to occasional medium to trace dark greyish brown, crypto to trace microcrystalline, slight trace arenaceous, dense, trace Dolomite: white, fine to occasional medium crystalline, dense, slight trace freely grown Dolomite crystals which could indicate slight trace very poor vuggy porosity; trace Shale: as above.

6620-6630 As above with slight trace pyritic Dolomite.

6630-6640 Dolomite: buff to light to medium to dark greyish brown, crypto to occasional microcrystalline, trace pyritic, slight trace arenaceous, dense, partly mottled with Dolomite: white, very fine to occasional fine and medium crystalline, dense; slight trace freely grown Dolomite crystals

6640-6660 Dolomite: buff to light to occasional medium to trace dark greyish brown, crypto to occasional microcrystalline, partly pyritic, slightl arenaceous and argillaceous, dense; mottled with Dolomite: white, very fine to fine to occasional medium crystalline, trace pyritic, dense; trace freely grown slightly pyritic Dolomite crystals which indicates fractures and trace very poor vuggy porosity; trace Shale: as above. Pyrite seems to occur in patches and viens. (Rough drilling break 6637-6654 4"-1"/ft.)

6660-6730 Dolomite: buff to light to occasional medium to slight trace dark greyish brown cryptocrystalline to trace microcrystalline, slight trace arenaceous, very slight trace pyritic; slightly mottled with Dolomite: white, fine to trace very fine and medium crystalline, dense; very slight trace free floating very slightly pyritic Dolomite crystals which could indicate very slight trace very poor vuggy porosity; trace Shale: as above.

6730-6780 Dolomite: buff to light to medium greyish brown, crypto to trace microcrystalline, dense, partly mottled with Dolomite: white, very fine to fine crystalline, dense, slight trace free floating Dolomite crystals which could indicate slight trace very poor vuggy porosity, trace Shale: as above. (Drilling at 4"-3"/ft. from 6654-6730; from 6730-6814 2"-3"/ft. - indication of further fractures?)

2. GEOLOGICAL SUMMARY, Cont'd.

(c) Sample Descriptions, cont'd.

6780-6820 Dolomite: buff to light to medium greyish brown, crypto to occasional microcrystalline, dense; partly mottled with Dolomite: white, very fine to fine crystalline, dense, very slight trace free floating Dolomite crystals which could indicate very slight trace very poor vuggy porosity; slight trace Shale: as above.

6820-6840 Dolomite: buff to light to medium to trace dark greyish brown, crypto to occasional microcrystalline, dense; trace Dolomite: white, very fine to fine to trace medium crystalline, dense; slight trace Shale: as above.

6840-6870 As above with occasional dark greyish brown.

6870-6890 Dolomite: medium to dark to occasional light greyish brown to occasional buff, crypto to occasional microcrystalline, dense; trace Dolomite: white, very fine to fine crystalline, dense.

6890-6910 Dolomite: buff to light to medium to dark greyish brown, crypto to occasional microcrystalline, dense; trace Dolomite: white, fine crystalline, dense, slight trace Shale: as above.

6910-6930 Dolomite: light to medium greyish brown to occasional buff, crypto to occasional microcrystalline, dense; trace Dolomite: white, very fine to fine crystalline, slight trace floating quartz grains, dense; slight trace Shale: as above.

6930-6950 Dolomite: as above with abundant Shale: as above.

6950-6960 Dolomite: buff to light to occasional medium greyish brown, crypto to trace microcrystalline, dense, minor Dolomite: white, micro to very fine to trace fine crystalline, slightly arenaceous, dense, minor Shale: as above.

6960-7000 Dolomite: white to buff to trace light to medium to slight trace dark greyish brown, crypto to slight trace microcrystalline; dense; trace Dolomite: white, very fine to fine crystalline, dense; minor Shale: as above.

7000-7010 As above with slight trace Anhydrite: white, sucrosic.

7010-7040 Dolomite: white to buff to trace light to medium to slight trace dark greyish brown, crypto to occasional microcrystalline, dense; slight trace Anhydrite: as above; minor Shale: as above.

7040-7060 Dolomite: buff to light to trace medium to slight trace dark greyish brown, crypto to trace microcrystalline, dense; minor Shale: as above.

2. GEOLOGICAL SUMMARY, Cont'd.

(c) Sample Descriptions, cont'd.

7600-7620 Dolomite: as above with trace Shale: as above with slight trace Anhydrite: white, sucrosic.

7620-7650 Dolomite: mottled white buff to buff white to trace mottled white dark brownish grey, micro to slight trace cryptocrystalline, trace Anhydrite dense; slight trace Shale: as above; trace Anhydrite: as above.

7650-7670 Dolomite: mottled white medium brownish grey to mottled white dark brownish grey to buff white to occasional mottled white buff, micro to slight trace cryptocrystalline, slightly anhydritic, dense; trace Shale: as above; slight trace Anhydrite: as above.

7670-7680 Dolomite: occasional mottled white medium brownish grey to occasional mottled white buff, micro to slight trace cryptocrystalline, slight trace micropyritic, dense; slight trace Anhydrite: as above.

7680-7700 Dolomite: dark to medium brownish grey with occasional mottled white, microcrystalline, very slightly micropyritic, dense; trace Dolomite: buff white to white, micro to slight trace cryptocrystalline, dense; very slight trace Pyrite.

7700-7740 Dolomite: medium to occasional dark brownish grey to buff white, occasionally mottled white, micro to trace cryptocrystalline, dense.

7740-7750 Dolomite: dark brownish grey mottled white to trace medium brownish grey mottled white to trace buff and white, microcrystalline, argillaceous, dense.

7750-7760 Dolomite: medium dark brownish grey mottled white to buff to trace white to trace dark brownish grey, microcrystalline to occasional cryptocrystalline, dense.

7760-7780 Dolomite: medium to dark brownish grey, occasionally mottled white to slight trace buff white and white, microcrystalline, slightly argillaceous, trace micropyritic, dense.

7780-7790 Dolomite: medium to occasional dark brownish grey, occasionally mottled white to slight trace buff white to white, micro to slight trace cryptocrystalline, slightly argillaceous, dense; partly mottled with quartz grains: white to buff white, medium to trace coarse grained, dolomitic matrix, dense to indication of quartz filled cavities of very poor vuggy porosity in the dolomite.

7790-7800 Dolomite: dark to occasional medium brownish grey, slightly mottled white, to slight trace buff white to white, microcrystalline to slight trace cryptocrystalline, trace argillaceous, dense, mottled with quartz: as above and indicating very poor vuggy porosity.

7800-7810 Dolomite: as above with trace quartz: as above indicating trace very poor vuggy porosity.

2. GEOLOGICAL SUMMARY, Cont'd.

(c) Sample Descriptions, cont'd.

7060-7120 Dolomite: white to buff to trace light to medium to slight trace dark greyish brown, crypto to trace microcrystalline, dense; trace Shale: as above.

7120-7140 Dolomite: buff to light to occasional medium to trace dark greyish brown to slight trace dark brownish grey, crypto to trace microcrystalline, dense; very slight trace Shale: as above.

7140-7160 Dolomite: buff to light to occasional medium greyish brown, slight trace dark brownish grey, crypto to trace microcrystalline, dense; very slight trace Shale: as above.

7160-7220 Dolomite: dark brownish grey to buff to light to medium greyish brown, micro to occasional cryptocrystalline, dense.

7220-7230 Dolomite: dark brownish grey, microcrystalline, slightly argillaceous, dense, minor Dolomite: buff to light to medium greyish brown, crypto to occasional microcrystalline, dense.

7230-7240 Dolomite: dark brownish grey to buff to light to medium greyish brown, micro to occasional cryptocrystalline, dense.

7240-7270 Dolomite: dark brownish grey to medium to occasional light greyish brown and occasional buff, micro to occasional cryptocrystalline dense.

7270-7280 Dolomite: buff to light to medium greyish brown to trace dark brownish grey, crypto to occasional microcrystalline, dense.

7280-7300 Dolomite: dark brownish grey with very slightly mottled white, micro crystalline, slightly argillaceous, dense; trace Dolomite: white to buff to buff white, micro to occasional cryptocrystalline, dense.

7300-7310 Dolomite: dark brownish grey with very slightly mottled white to light to occasional medium greyish brown to buff, micro to occasional cryptocrystalline, dense; trace Shale: as above.

7310-7320 Dolomite: buff to light to medium grey brown to dark brownish grey, micro to occasional cryptocrystalline, dense, trace Shale: as above.

7320-7330 Dolomite: dark brownish grey to light to occasional medium greyish brown to buff, micro to occasional cryptocrystalline, dense.

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7330-7370 Dolomite: dark brownish grey with occasional mottled white, microcrystalline, slightly argillaceous, dense; slightly mottled with Dolomite: white to buff, micro to occasional cryptocrystalline, dense.

2. GEOLOGICAL SUMMARY, Cont'd.

(c) Sample Descriptions, cont'd.

7370-7380 As above and partly mottled with buff medium to occasional coarse quartz grain clusters with dolomitic to occasional siliceous matrix, indicating quartz filled cavities of very poor vuggy porosity in Dolomite; trace Shale: as above.

7380-7400 Dolomite: dark brownish grey with occasional mottled white, microcrystalline, slightly argillaceous, dense; mottled with buff to medium to coarse to trace fine quartz grains clusters indicating quartz cavities of very poor vuggy porosity, trace Shale: as above.

7400-7410 Dolomite: dark brownish grey with slightly mottled white, microcrystalline, slightly argillaceous, dense; partly mottled with quartz clusters as above and very slightly mottled with Dolomite: buff to white, crypto- to microcrystalline, dense; slight trace Shale: as above.

7410-7420 Dolomite: slightly greenish medium grey with slightly mottled white to white to buff to slight trace dark brownish grey, micro to occasional cryptocrystalline, slight trace floating quartz grains, dense; slight trace quartz clusters as above; slight trace Shale: as above.

7420-7440 Dolomite: slightly greenish, slightly mottled with white medium grey to buff white to buff to slight trace dark brownish grey, microcrystalline to trace cryptocrystalline, dense; trace quartz as above; slight trace Shale: as above.

7440-7450 Dolomite: slightly greenish, slightly mottled white, medium grey to buff to buff white to slight trace dark brownish grey, micro to occasional cryptocrystalline, dense; slight trace Shale: as above.

7450-7460 Dolomite: medium brownish, slightly mottled white grey to buff to buff white to trace dark brownish grey, microcrystalline to occasional crypto crystalline- dense; slight trace quartz as above; slight trace Shale: as above.

7460-7500 Dolomite: dark to medium brownish grey with occasional mottled white to occasional buff with trace mottled white to buff white, micro to trace cryptocrystalline, dense; slight trace Shale: as above.

7500-7570 Dolomite: occasional mottled white to dark to medium brownish grey to buff white to occasional buff with trace mottled white, micro to slight trace cryptocrystalline, very slight trace floating fine quartz grains, dense; very slight trace Shale: as above.

7570-7600 Dolomite: mottled white dark brownish grey to occasional medium brownish grey with occasional mottled white to occasional buff with occasional mottled white to occasional buff white, micro to slight trace cryptocrystalline, dense; very slight Shale: as above.

2. GEOLOGICAL SUMMARY, Cont'd.

(c) Sample Descriptions, cont'd.

7810-7820 Dolomite: dark to medium brownish grey to buff white, occasionally mottled white to microcrystalline to slight trace cryptocrystalline, dense.

7820-7880 Dolomite: dark to medium brownish grey, slightly mottled white, micro crystalline, partly argillaceous, dense; trace Dolomite: medium brownish grey to buff white, microcrystalline, dense.

7880-7900 Dolomite: medium to dark brownish grey, slightly mottled white, microcrystalline, trace argillaceous, dense; minor Dolomite: light brownish grey, slightly mottled white to buff white, microcrystalline, dense.

7900-7910 Dolomite: medium brownish grey, slightly mottled white, microcrystalline, dense; trace Dolomite: buff white to white to dark brownish grey, micro to slight trace cryptocrystalline, dense.

7910-7920 Dolomite: dark brownish grey, slightly mottled white, microcrystalline, slightly argillaceous, dense; minor Dolomite: light to medium brownish grey to buff white to white, micro to trace cryptocrystalline, dense; slight trace Pyrite.

7920-7930 Dolomite: dark brownish grey, occasional mottled white, microcrystalline, partly argillaceous, slight trace micropyritic, dense; trace Dolomite: buff white to white, micro to occasional cryptocrystalline, dense; slight trace Shale: as above.

7930-7950 Dolomite: dark brownish grey to buff, occasionally mottled white, micro crystalline, slightly argillaceous; trace Dolomite: white to light to medium brownish grey, microcrystalline, dense.

7950-7980 Dolomite: light to medium to dark brownish grey to buff occasionally mottled white to white, microcrystalline to trace cryptocrystalline; dense; trace Shale: as above.

7980-7990 Dolomite: dark greyish brown, occasionally mottled white to trace medium greyish brown to buff white, micro to very slight trace cryptocrystalline, dense.

7990-7996 Dolomite: dark to light to medium brownish grey, occasionally mottled white to buff white, micro to very slight trace cryptocrystalline, dense; very slight trace Shale: as above.

TOTAL DEPTH 7996'.

3. ENGINEERING SUMMARY:

(a) Drill Stem Tests:

DST #1 3544-3753 (Arnica) VO 6/60 SI 60/120 VWAB on PF, on VO WAB decreasing to VWAB after 45" (no gas). Rec'd. 1179' fresh watery mud. (Salinity 2310 ppm NaCl). HP 1648-1623; FP 29-105; SIP 1244-1224.

DST #2 4102-4238 (Arnica) VO 3/90 SI 60/90 WAB decreasing to VWAB (no gas). Rec'd. 550' muddy water. (Salinity 1568 ppm NaCl). HP 1914-1914; FP 108-415; SIP 1542-1488. DST #2 data is based on field readings only. Charts and data lost.

DST #3 5090-5240 (Arnica) VO 3/120 SI 60/120 SAB decreasing to FAB decreasing to WAB (no gas). Rec'd. 230' muddy water, 3324' slightly salty water. HP 2320-2314; FP 89-261; SIP 1909-1883.

DST #4 6370-6520 (Arnica) MISRUN - Seat failure. HP 3014-3004.

DST #5 6360-6510 (Arnica) VO 5/60 SI 60/60 GIP on PF, WAB on VO, WAB decreasing to 0 in 5 minutes. Rec'd. 85' drilling mud. HP 3010-2994; FP 51-78; SIP 1597-537.

(b) Casing Records:

Surface: Set 13 3/8", 793.19', 48#, H-40, Mann at 788.00' K.B. Cemented with 790 sacks OWC + 5% $CaCl_2$. Good cement returns.

(c) Bit Record:

See Page 22

(d) Mud Record:

See Pages 23, 24

(e) Deviation Record:

See Page 25

3. ENGINEERING SUMMARY, Cont'd.

(f) Mud Record:

Date	Depth	lbs/US Gal	Viscosity Secs.	Water Loss CC in 30"	Filter Cake 32nd in	P H	Remarks
Jan.21	550	10	70				16,300 Gel
Jan.22	770	9.9	132				8,800 Gel
Jan.23	788	9.9	132	Set surface @ 788' K.B.			
Jan.27	1243	9.3	53				Bi Carb 600 100 Gel
Jan.28	1605	9.1	38				8,600 Gel
Jan.29	1926	9.2	38				6,800 Gel 200 Caustic
Jan.30	2158	9.2	42				
Jan.31	2270	8.9	38				3,500 Gel
Feb. 1	2426	8.9	36				5,000 Gel 100 Caustic
Feb. 2	2565	8.9	44				4,000 Gel
Feb. 3	2637	9.0	40				2,500 Gel
Feb. 4	2737	9.1	40		2 Fibre to Plug Sump		2,400 Gel
Feb. 5	2775	9.7	38				3,300 Gel 50 Caustic
Feb. 6	2900	8.9	37				3,500 Gel 50 Caustic
Feb. 7	3135	8.9	39				5,700 Gel
Feb. 8	3334	8.8	37				3,800 Gel 50 Caustic
Feb. 9	3537	8.8	38				3,000 Gel 50 Caustic
Feb.10	3750	8.9	39				2,500 Gel
Feb.11	3753	8.9	39				
Feb.12	3958	8.8	39				
Feb.13	4168	8.8	41				1,000 Gel 50 Caustic
Feb.14	4238	8.8	42				300 Gel 50 Caustic
Feb.15	4375	8.7	37	28	2/32	9.0	50 Caustic
Feb.16	4521	8.8	38	32	2/32	9.5	150 Caustic 2000 Gel 200 Peltex
Feb.17	4668	8.7	36	23	2/32	9.0	50 Caustic 1,000 Gel
Feb.18	4882	8.7	35	21	2/32	8.5	3,000 Gel
Feb.19	5016	8.7	35	25	2/32	9.5	50 Caustic 1,000 Gel
Feb.20	5240	8.7	38	25	2/32	9.5	50 Caustic 3,000 Gel
Feb.21	5283	8.7	36	22	2/32	9.0	

3. ENGINEERING SUMMARY, Cont'd.

(f) Mud Record, cont'd.

Date	Depth	Weight lbs/US Gal	Viscosity Secs.	Water Loss CC in 30"	Filter Cake 32nd in	P H	Remarks
Feb.22	5512	8.8	36	23	2/32	9.5	50 Caustic 2,000 Gel
Feb.23	5700	8.8	40	24	2/32	9.5	50 Caustic 1,000 Gel
Feb.24	5935	8.8	40	19.6	2/32	9.5	50 Caustic 3,000 Gel
Feb.25	6097	8.8	39	22.6	2/32	9.5	
Feb.26	6372	8.8	39	27	2/32	9.0	50 Caustic 1,000 Gel
Feb.27	6613	8.7	37	28	2/32	9.0	100 Caustic 1,000 Gel
Feb.28	6922	8.9	37	36	2/32	9.5	200 Caustic 1,000 Gel
Mar. 1	7003	8.9	39	45	2/32	11.0	300 Caustic 4,000 Gel 500 Soda Ash 200 Peltex
Mar. 2	7112	9.0	35	40	2/32	9.5	700 Soda Ash 1,000 Gel
Mar. 3	7292	8.9	36	40	2/32	10.5	200 Caustic 3,500 Gel 900 Soda Ash
Mar. 4	7485	9.0	35	30	2/32	10.0	200 Caustic 3,000 CMC 100 200 Peltex 900 Soda Ash
Mar. 5	7614	9.0	35	37	2/32	9.0	50 Caustic 2,500 Gel 100 CMC
Mar. 6	7802	9.0	37	42	2/32	10.0	150 Caustic 3,000 Gel
Mar. 7	7962	9.0	36	40	2/32	9.5	150 Caustic 3,000 Gel 400 Soda Ash
Mar. 8	7996TD	9.0	48	22.3	2/32	9.0	50 Caustic 6,600 Gel 100 CMC

3. ENGINEERING SUMMARY, Cont'd.

(g) Bit Record:

Bit No.	Make	Type	Size	Serial No.	Hours On Btm.	Depth In	Depth Out	Footage	Remarks
1A	S	S4-J	12 1/4	904411	3 3/4 Mouse Hole and Rat Hole				
2A	H.W.	OSL-3	17 1/2	HJ-594	26				
3A	H.W.	OSC-3	17 1/2	KA713	21 3/4				
1	H.W.	OSC-3-J	8 3/4	90976	16	788	1243	455	
2	S	M4NGJ	8 3/4	910083	17 1/2	1243	1605	362	
3	H.W.	ODV-J	8 3/4	15312	18	1605	1926	321	
4	SEC	M4LG-J	8 3/4	910027	14	1926	2158	232	
5	S	H7SG-J	8 3/4	147972	5	2158	2177	19	
6	S	DM-J	8 3/4	209838	11	2177	2310	133	
7	S	DM-J	8 3/4	209913	6 3/4	2310	2426	116	
8	S	DM-J	8 3/4	196284	6 3/4	2426	2546	120	
9	S	H7UG-J	8 3/4	152446	6	2546	2570	24	
10	S	DM-J	8 3/4	170432	4 3/4	2570	2625	55	
11	H.W.	ODV-J	8 3/4	14437	8 1/2	2625	2651	26	3-2-I
12	H.W.	ODV-J	8 3/4	20871	10	2651	2737	86	2-2-I
13	H.W.	ODV-J	8 3/4	16695	7 1/4	2737	2772	35	Twist Off 3-2-I
14	H.W.	X-55-J	8 3/4	15206	43 1/2	2772	3186	414	3-2-I
15	H.W.	X-55-J	8 3/4	15259	33	3186	3557	371	2-2-I
16	SEC	M-88	8 3/4	217037	19 1/2	3557	3753	196	Pull to Test 2-2-I
17	SEC	RR#16 M-88	8 3/4	217037	69 3/4	3557	4238	681	8-I
18	H.W.	X-55-R	8 3/4	15085	40 1/4	4238	4540	302	8-8-I
19	H.W.	RG-7-X	8 3/4	8569	45 3/4	4540	4977	437	
20	H.W.	RG-7-X	8 3/4	96976	25 1/4	4977	5240	263	4-2-I
21	SEC	M-88	8 3/4	231400	39	5240	5681	441	7-7-I
22	H.W.	RG-7-X	8 3/4	94261	35 1/4	5681	6048	367	8-8-I
23	SEC	H-88	8 3/4	263970	43 1/4	6048	6613	565	7-5-I
24	H.W.	X-55R	8 3/4	15190	35 3/5	6613	7003	390	8-8-U
25	SEC	DM-J	8 3/4	69441	5 1/2	7003	7035	32	6-4-I
26	H.W.	RG7-X	8 3/4	4929	24	7035	7292	257	8-8-I
27	H.W.	RG-7-X	8 3/4	4618	32 1/4	7292	7591	299	2-2-I
28	H.W.	RG-7-X	8 3/4	20378	44	7591	7962	371	8-8-I
29	H.W.	WD-7	8 3/4	6384	5 3/4	7962	7996TD	34	6-4-I

3. ENGINEERING SUMMARY, Cont'd.

(h) Deviation Record:

Depth '	Dev. °	Depth '	Dev. °	Depth '	Dev. °
60	1/8	2317	1 3/4	4660	1 1/2
95	0	2355	2	4750	1 3/4
123	1/4	2385	2	4850	1 1/4
160	1/8	2415	2 1/2	4940	1 1/4
190	1/8	2447	3 1/8	4977	1 1/8
220	1/8	2476	3 1/2	5100	1 1/4
280	0	2515	3 1/2	5220	1 3/4
304	5/8	2542	5	5240	2 1/8
360	1/4	2546	5	5335	2 3/4
390	1/2	2555	5 1/2	5420	3 1/8
450	1/4	2570	5	5510	3 3/4
510	7/8	2600	5 1/2	5600	4
550	7/8	2626	6	5680	3 3/4
578	7/8	2650	5 1/8	5780	3 3/4
609	1/4	2684	5 1/2	5870	3 3/4
630	1/2	2718	5 1/2	5960	3
690	3/4	2735	5	6048	3
730	1/2	2800	4 1/2	6170	3
760	1/8	2834	4 1/3	6290	3 1/8
788	1/2	2865	4 1/8	6390	3 3/4
850	7/8	2895	4 1/8	6480	3 1/4
880	1/2	2950	3 1/2	6600	3
976	1/2	3012	3 1/8	6705	3 1/2
1150	3/4	3070	2 5/8	6865	5 1/8
1243	1 1/2	3130	2 7/8	6895	6
1324	1	3186	2 1/4	6920	6 1/2
1427	1 1/4	3260	2 1/8	6955	7
1485	1 1/8	3324	1 3/4	6980	6 7/8
1577	1 1/2	3414	1 1/4	7000	7 1/8
1605	1 1/2	3470	1 1/4	7022	6 7/8
1666	1 1/8	3650	1	7035	6 1/4
1785	3/4	3750	1	7050	6 3/4
1876	7/8	3850	1 3/4	7080	6 3/4
1990	1 1/2	3930	1 7/8	7114	6
2058	3/4	4020	1 7/8	7144	6
2149	7/8	4110	2	7200	5 7/8
2158	1 1/8	4335	2 1/2	7292	5 7/8
2177	1 1/8	4300	2 3/4	7355	5 3/8
2213	1 3/4	4360	2 1/4	7458	4 7/8
2239	1	4450	2 3/4	7565	3 3/8
2270	3/4	4550	1 1/4	7720	2 1/8
2300	7/8	4570	1 1/2	7895	3/4
				7996 TD	1 1/4

3. ENGINEERING SUMMARY, CONT'D.

(f) Abandonment Plugs:

March 10, 1970 - Plug #1 (Arnica) 5500' to 5000', 150 sax Oilwell cement, felt plug @ 4965'.

March 10, 1970 - Plug #2 (Arnica) 4150' to 3900', 120 sax Oilwell cement, felt plug @ 3875'.

March 10, 1970 - Plug #3 (Nahanni) 3600' to 3475', 60 sax Oilwell cement, felt plug @ 3460'.

March 11, 1970 - Plug #4 (Ft. Simpson) 838' to 738', 90 sax Oilwell cement, felt plug @ 738'.

March 11, 1970 - Plug #5 (Surface). Cut off casing 3' below ground level. Ran 5 sack plug, welded on plate and installed 7" x 2" L.P. post and sign Pacific Carlson Lk. A-50 - 1970.

(g) Lost Circulation Zones:

NIL

(h) Report of Blowouts:

NIL

4. LOGGING SUMMARY:

IES - Run #1, 7995' to 785', run March 8th, 1970.

BHC-GR - Run #1, 7994' to 785', run March 8th, 1970.

DIPMETER - Run #1, 7900' to 785', run March 8th, 1970.

VELOCITY SURVEY - Run #1, 7994' to 785', run March 8, 1970.

5. ANALYSES:

(a) Core Analysis:

NIL

5. ANALYSES, CONT'D.

(b) Gas Analysis:

NIL

(c) Oil Analysis:

NIL

(d) Water Analysis:

Lab. No. F70-1691-3

6. COMPLETION SUMMARY:

(a) Tubing Record:

NIL

(b) Perforation Record:

NIL

(c) Cementation Record:

See Section 3 (f).

(d) Acidization and Fracturing Record:

NIL

(e) Back Pressure and Production Tests:

NIL

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

WATER ANALYSIS Lab No. F70-1691-3

Received: March 3,1970 Reported: March 6, 1970 Well: Location: Pacific et al Carlson Lake A-50

Operator: PACIFIC PETROLEUMS LTD. Field or Area: Wildcat

Elev.: K.B. Grd. Zone/Formation: Arnica Sample Interval: 5090' - 5240'

Method of Production: D.S.T. #3 Sampled from: top of test tool Sampled by: Gus Van Heusden Date Feb. 21,1970

OTHER PERTINENT DATA Recovered: 3554' sl. muddy salt water.

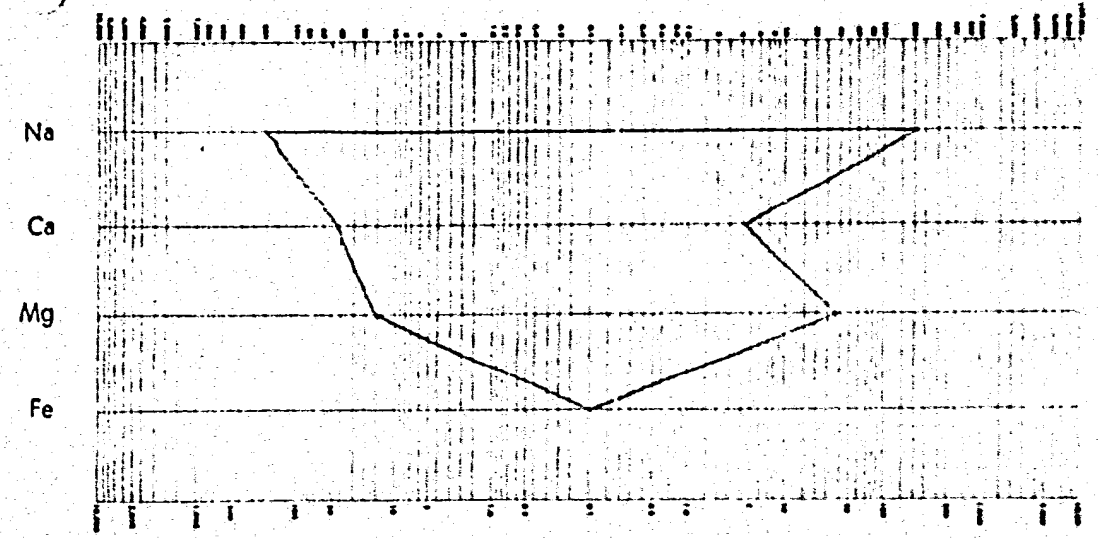
(Signed)

	Na	K	Ca	Mg					SO_4	Cl			CO_3	HCO_3		
Mg./L	4743		889	190					1865	7916				260		
Meq./L	206.30		44.36	15.62					38.79	223.23				4.26		
Meq. %	38.74		8.33	2.93					7.28	41.92				0.80		

Total Solids Mg./L: By Evaporation 16,870 Fe --- Specific Gravity 1.012 @60°F Observed pH 7.5 @ 76 °F

Calculated 15,863 After Ignition 14,070 H_2S --- Refractive Index 1.3359 @25°C Resistivity 0.461 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions: Sample consisted of clear colourless water with a very small amount of grey sediment.

F70-1691-1: Sampled from top of fluid.
RESISTIVITY: 0.726 Ohm-meters at 68°F.
CHLORIDE: 4,309 Mg./l.
Sample consisted of approximately 45% mud and 55% clear colourless water.

F70-1691-2: Sampled from middle of fluid.
RESISTIVITY: 0.470 Ohm-meters at 68°F.
CHLORIDE: 7,715 Mg./l.
Sample consisted of clear colourless water with a very small amount of grey sediment.

104674

DOMINION TESTERS

TEST DATA

Formation	ARNICA	Zone Thickness			Ft
Interval	3544 To	3753 T.D.	3753		Ft
Type of Test	OPEN HOLE, BOTTOM HOLE.				
Time Started in Hole	1600 Hrs.	Tool Opened	1924	Hrs	
First Flow	6 Min.	Initial Shut-In	60	Min	
Second Flow	60 Min.	Second Shut In	7	Min.	
Third Flow	60 Min.	Final Shut In	120	Min.	
Pulled Loose at	0045 Hrs.	Out of Hole		Hrs	
Wt. Set on Packer	40,000 #	Pulled Loose Wt	10,000	#	

Description of Blow During Test

WEAK BLOW, DECREASING TO VERY WEAK AFTER 40 MINUTES.

FLUID RECOVERY Was Test Reverse Circulated Yes ☐ No ☒

Total Fluid Recovered 1179 Ft

Description of Fluid Recovered

1179' FRESH, WATERY, DRILLING FLUID.

GAS BLOW MEASUREMENT

Measured With I.D. Riser

Type of Instrument

Time	Size Choke	Reading psi inches	M Cubic Feet/Day
		NIL	

REMARKS TEST SATISFACTORY.

SHUT-IN FOR 7 MINUTES THEN DECIDED ON LONGER FLOW.

	RESISTIVITY		CHLORIDE CONTENT
Recovery Water	@	°F.	ppm.
Mud Pit sample filtrate	@	°F.	ppm.

TOOL SEQUENCE

Tool	Length	O.D.
P.O. SUB & SUBS	6.69	
SUB	.98	
MFE TOOL	9.10	
BYPASS TOOL	3.60	
SAFETY JOINT	1.75	
SAFETY SEAL	4.93	
PACKER	3.20	
TOTAL	30.25	
STUB.	.90	
PERF.	15.00	
RECORDER	4.40	
RECORDER	4.40	
PERF.	5.00	
SUB	1.05	
DRILL COLLARS	176.30	
D.P. SUB	.84	
B.N. & PERF.	1.85	
TOTAL INTERVAL	209.74	
TOTAL LENGTH	239.99	

Elevation 2152 NOT REPORTED.

Bottom Hole Choke Size 1/2"

Fluid Cushion Type NIL Amt.

MUD AND HOLE DATA

Mud Type GEL W.L.

Filter Cake Visc. 40 Wt. 8.8

Time Taken

Contractor PETER BAWDEN DRLG. Rig No. 16

Drill Pipe Size 4 1/2 FH

Drill Collar Size 2 7/8 ID Length 542.00'

Main Hole Size 8 3/4"

Rat Hole Size

District HIGH LEVEL Ticket No. D 03822 Date FEBRUARY 10, 1970 Test No. 1 J.T. No. 1

Company PACIFIC PETROLEUMS LTD. Address 700 - 6TH AVENUE S.W. CALGARY 1, ALBERTA

Well Name PACIFIC ET AL CARLSON LK A-50

Number 62° 29' 08" 123° 52' 40" Field WILDCAT Province NORTH WEST TERRITORIES

Formation ARNICA Co. Rep. J. FENTON

and Interval 3544 - 3753 DST#1 Technician P. COON

Distribution of Reports

9 - CALGARY.

JOHNSTON TESTERS 321 - 36TH AVENUE S.E. • CALGARY 24, ALBERTA • PH. 236-1151

A DIVISION OF SCHLUMBERGER CANADA LIMITED

0 03822

PRESSURE DATA

INSTRUMENT No.		AK1-2600	AK1-2598
CAPACITY (psig)		6900	6950
INSTRUMENT DEPTH FT		3560	3564
INSTRUMENT OPENING		OUTSIDE	OUTSIDE
PRESSURE GRADIENT psi/FT			
WELL TEMP. °F 132			
INITIAL HYDROSTATIC	A	1627#	1635#
FIRST FLOW	B	29#	63#
	B-1	91#	128#
INITIAL SHUT-IN	C	1244#	1262#
SECOND FLOW	D	105#	133#
	D-1	551#	577#
SECOND SHUT-IN	E		
THIRD FLOW	F		
	F-1		
FINAL SHUT-IN	G	1224#	1237#
FINAL HYDROSTATIC	H	1623#	1626#

FLUID SAMPLE REPORT

Sample No

Type

Depth ft.

Volume

Sample Pressure psig. at Surface

Gravity API @ °F

Gas/Oil Ratio Cu.Ft./bbl.

Recovery:

Cu. Ft. Gas

cc. Oil

cc. Water

cc. Mud

Total Liquid cc

REMARKS:

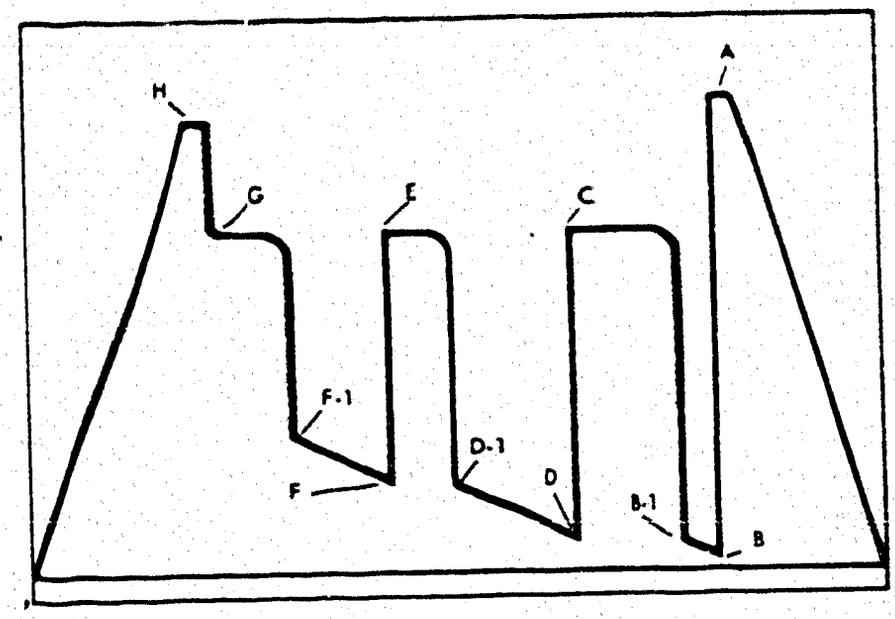
PRESSURE INCREMENTS

RECORDER No. AK1-2600			RECORDER No. AK1-2598					
POINT MINUTES	PRESSURE	$\frac{T+\Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T+\Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T+\Delta T}{\Delta T}$
INITIAL SHUT-IN			INITIAL SHUT-IN					
0	91.0	----	0	127.9	----			
5	1166.4	2.20	5	1156.2	2.20			
10	1212.0	1.60	10	1220.0	1.60			
15	1226.0	1.40	15	1240.9	1.40			
20	1234.8	1.30	20	1247.9	1.30			
25	1238.3	1.24	25	1252.3	1.24			
30	1240.1	1.20	30	1254.9	1.20			
35	1241.5	1.17	35	1256.6	1.17			
40	1242.2	1.15	40	1257.5	1.15			
45	1242.5	1.13	45	1258.2	1.13			
50	1242.9	1.12	50	1258.9	1.12			
55	1243.2	1.11	55	1259.6	1.11			
60	1243.6	1.10	60	1260.1	1.10			
FINAL SHUT-IN			FINAL SHUT-IN					
0	550.9	-----	0	576.8	-----			
10	1152.4	13.60	10	1165.0	13.60			
20	1180.5	7.30	20	1194.6	7.30			
30	1194.5	5.20	30	1207.8	5.20			
40	1201.5	4.15	40	1214.8	4.15			
50	1208.5	3.52	50	1221.8	3.52			
60	1212.0	3.10	60	1225.2	3.10			
70	1215.5	2.80	70	1228.7	2.80			
80	1218.1	2.58	80	1231.3	2.58			
90	1220.8	2.40	90	1234.0	2.40			
100	1222.5	2.26	100	1235.7	2.26			
110	1223.6	2.15	110	1236.8	2.15			
120	1224.3	2.05	120	1237.4	2.05			

JTL-1 & R-13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



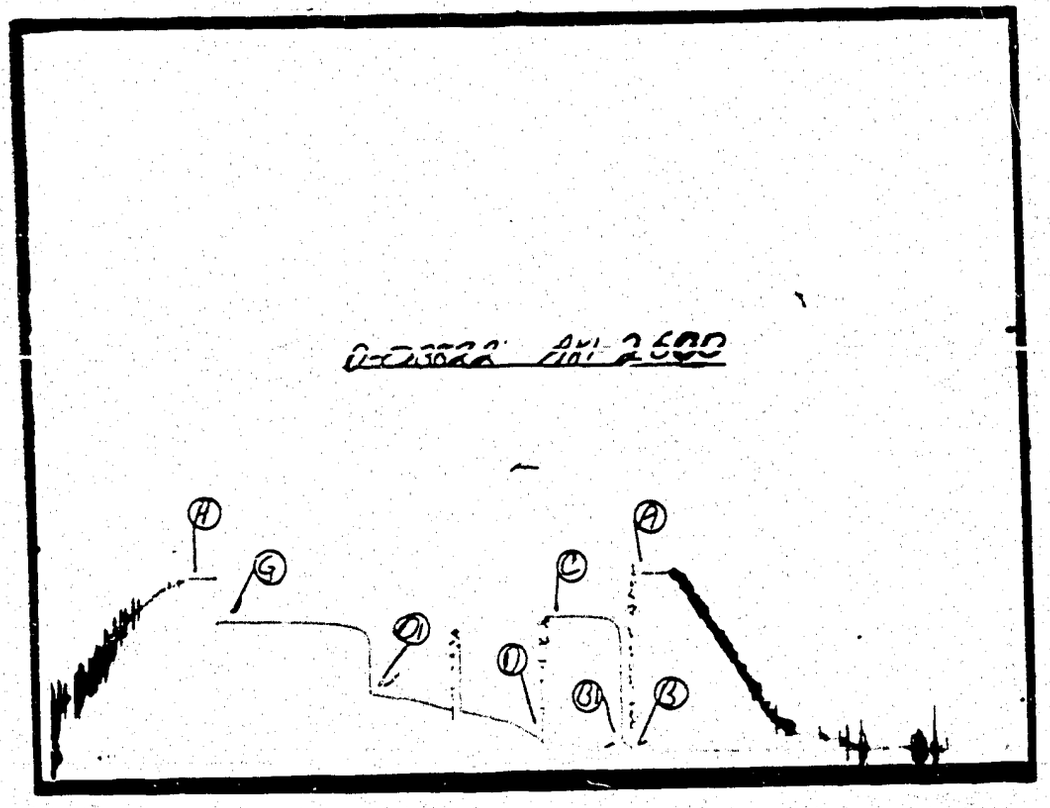
A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2, Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

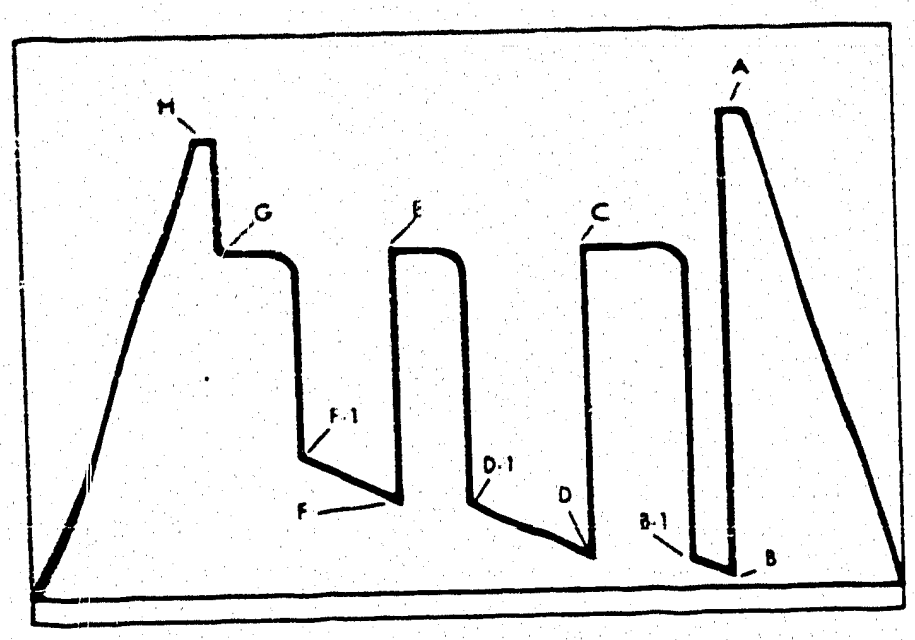
FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D 03822	AK1-2600	6900	9



JTL-1 8.13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



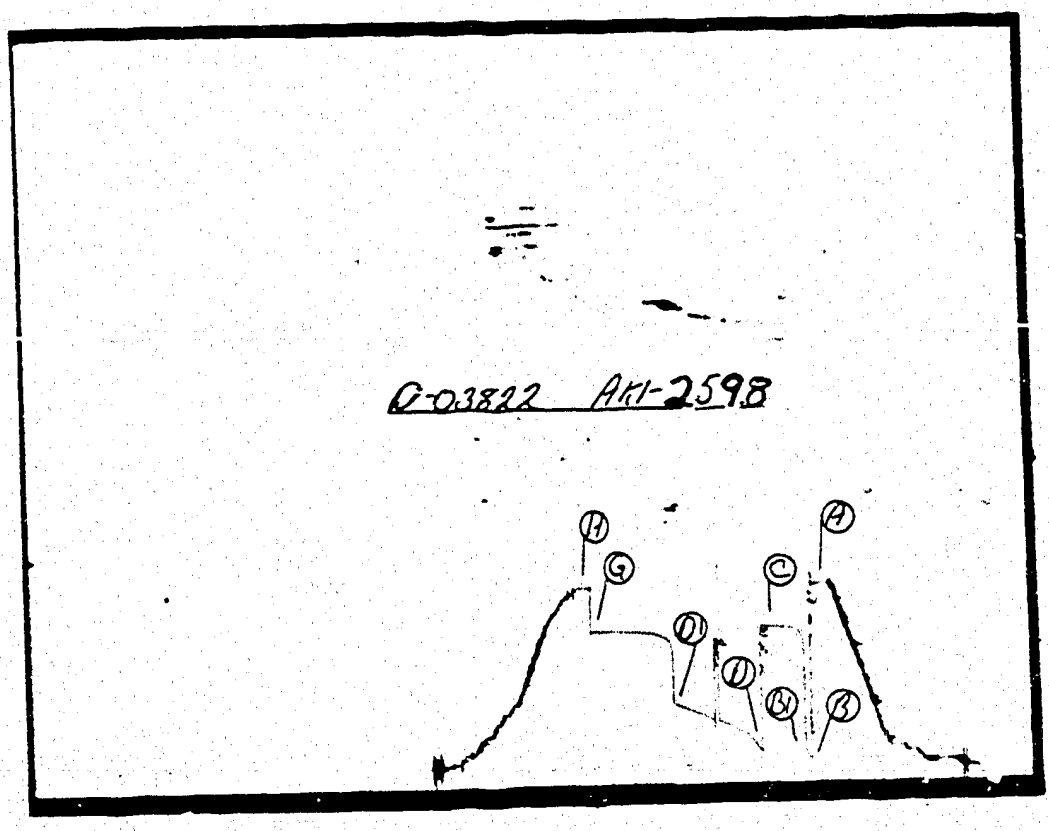
A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2, Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

FIELD REPORT NO	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D 03822	AK1-2598	6950	9



TECHNICAL REPORT

JOHNSTON

JOHNSTON TESTERS

TEST DATA

Formation	ARNICA	Zone Thickness			Ft.
Interval	4102 To	4238	T.D.	4238	Ft.
Type of Test	OPEN HOLE, BOTTOM HOLE.				
Time Started on Hole		Hrs.	Tool Opened	1935	Hrs.
First Flow	5	Min	Initial Shut-In	60	Min.
Second Flow	90	Min	Second Shut In		Min.
Third Flow		Min	Final Shut In	90	Min
Pulled Loose at	2340	Hrs.	Out of Hole		Hrs.
Wt. Set on Packers	40,000	#	Pulled Loose Wt.	45,000	#

Description of Blow During Test

VERY WEAK PREFLOW, DEAD IN 90 MINUTES OF FLOW PERIOD.

FLUID RECOVERY Was Test Reverse Circulated Yes ☐ No ☒

Total Fluid Recovered 550 Ft.

Description of Fluid Recovered

550' MUDDY WATER.

GAS BLOW MEASUREMENT

Measured With I.D. Riser

Type of Instrument

Time	Size Choke	Reading psi inches	M Cubic Feet Day
		NIL	

REMARKS: TEST SATISFACTORY.
THIS IS A FIELD REPORT ONLY.
ORIGINAL TEST AND CHARTS LOST IN MAIL.
TEST TICKET NO. D 04545 REPLACES D 03823.

	RESISTIVITY		CHLORIDE CONTENT
Recovery Water	@	°F.	ppm.
Mud Pit sample filtrate	@	°F.	ppm.

TOOL SEQUENCE

Tool	Length	O.D.
SUB	.95	
P.O. SUB	1.00	
SUB	.85	
SUB	1.00	
MFE TOOL	10.00	
BYPASS TOOL	3.80	
SAFETY JOINT	1.75	
S.S. & PACKER	8.15	7 1/2"
TOTAL	27.50	
STUB.	.90	
PERF.	24.00	
RECORDER	4.40	
PERF.	10.00	
RECORDER	4.40	
SUB	.95	
DRILL COLLARS	88.38	
SUB	.85	
B.N. & PERF.	1.85	
TOTAL INTERVAL	135.73	
TOTAL LENGTH	135.73	

Elevation	NOT REPORTED.
Bottom Hole Choke Size	1/2"
Fluid Cushion Type	NIL Amt.

MUD AND HOLE DATA

Mud Type				W.L.	2.5
Filter Cake	2/32	Visc.	38	Wt.	8.7
Time Taken					
Contractor	PETER BAWDEN			Rig No.	16
Drill Pipe Size	4 1/2 FH				
Drill Collar Size	2 3/16 ID	Length	626'		
Main Hole Size	8 3/4"				
Rat Hole Size					

District	FORT ST. JOHN	Ticket No.	D 04545	Date	FEBRUARY 14/70 Test No. 2 J.T. No. 2
Company	PACIFIC PETROLEUMS LTD.			Address	700 - 6TH AVENUE S.W.
Well Name	PACIFIC ET AL CARLSON LK A-50				CALGARY 1, ALBERTA
Number	62° 29' 08" 123° 52' 40"	Field	WILDCAT	Province	NORTH WEST TERRITORIES
Formation	ARNICA	Co. Rep.	J. FENTON		
and Interval	4102 - 4238 DST#2	Technician	P. COON		

Distribution of Reports
9 - CALGARY.

JOHNSTON TESTERS

321 50TH AVENUE S.E. · CALGARY 24 ALBERTA · Ph. 295-1151

A DIVISION OF SCHLUMBERGER CANADA LIMITED

D 04543

PRESSURE DATA

INSTRUMENT No.		AK1-778	AK1-2600		
CAPACITY (psig)		6500	6950		
INSTRUMENT DEPTH FT.		4127	4141		
INSTRUMENT OPENING		OUTSIDE	OUTSIDE		
PRESSURE GRADIENT psi/FT.					
WELL TEMP °F 145					
FIELD READINGS -					
INITIAL HYDROSTATIC	A	1914#			
FIRST FLOW	B	70#			
	B-1	72#			
INITIAL SHUT-IN	C	1542#			
SECOND FLOW	D	108#	NO READINGS		
	D-1	415#	AVAILABLE		
SECOND SHUT-IN	E				
THIRD FLOW	F				
	F-1				
FINAL SHUT-IN	G	1480#			
FINAL HYDROSTATIC	H	1914#			

FLUID SAMPLE REPORT

Sample No.

Type

Depth ft.

Volume

Sample Pressure

psig. at Surface

Gravity API @ °F

Gas/Oil Ratio Cu Ft./bbl

Recovery

Cu. Ft. Gas

cc. Oil

cc. Water

cc. Mud

Total Liquid cc.

REMARKS:

PRESSURE INCREMENTS

POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$

TECHNICAL REPORT

JOHNSTON

JOHNSTON TESTERS

TEST DATA

Formation	ARNICA	Zone Thickness		Ft.
Interval	5090 To	5240 T.D.	5240	Ft.
Type of Test	OPEN HOLE, BOTTOM HOLE.			
Time Started in Hole	1230 Hrs.	Tool Opened	1505	Hrs.
First Flow	3 Min.	Initial Shut-in	60	Min.
Second Flow	120 Min.	Second Shut In		Min.
Third Flow	Min.	Final Shut In	120	Min.
Pulled Loose at	2008 Hrs.	Out of Hole	2400	Hrs.
Wt. Set on Packers	40,000 #	Pulled Loose Wt.		#

Description of Blow During Test

FAIR INITIAL BLOW, STRONG AIR BLOW, DECREASING TO FAIR IN 90 MINUTES, DECREASING TO WEAK AT END OF TEST.

FLUID RECOVERY Was Test Reverse Circulated Yes ☐ No ☒

Total Fluid Recovered 3554 Ft.

Description of Fluid Recovered

230' MUDDY WATER.

3324' SLIGHTLY SALTY WATER.

GAS BLOW MEASUREMENT

Measured With I.D. Riser

Type of Instrument

Time	Size Choke	Reading psi inches	M Cubic Feet/Day
		NIL	

TOOL SEQUENCE

Tool	Length	O.D.
SUB	.95	
P.O. SUB	1.00	
SUB	.85	
SUB	1.00	
MFE TOOL	10.00	
BYPASS TOOL	3.80	
SAFETY JOINT	1.75	
S.S. & PACKER	8.15	7 1/2"
TOTAL	27.50	
STUB.	.90	
PERF.	12.00	
RECORDER	4.40	
PERF.	5.00	
RECORDER	4.40	
SUB	.95	
DRILL COLLARS	119.78	
SUB	.85	
B.N. & PERF.	1.85	
TOTAL INTERVAL	150.13	
TOTAL LENGTH	177.63	

Elevation NOT REPORTED.

Bottom Hole Choke Size 1/2"

Fluid Cushion Type NIL Amt.

MUD AND HOLE DATA

Mud Type W.L. 2.5

Filter Cake 2/32 Visc. 38 Wt. 8.7

Time Taken

Contractor PETER BAWDEN Rig No. 16

Drill Pipe Size 4 1/2 FH

Drill Collar Size 2 3/16 I.D. Length 598'

Main Hole Size 8 3/4"

Rat Hole Size

REMARKS: TEST SATISFACTORY.

MFE SAMPLE DRAINED ON LOCATION.

	RESISTIVITY		CHLORIDE CONTENT	
Recovery Water	@	°F.	13,200	ppm.
Mud Pit sample-filtrate	@	°F.		ppm.

District FORT ST. JOHN Ticket No. D 03299 Date FEBRUARY 20, 1970 Test No. 3 J.T. No. 3

Company PACIFIC PETROLEUMS LTD. Address 700 - 6TH AVENUE S.W.

Well Name PACIFIC ET AL CARLSON LK A-50 CALGARY 1, ALBERTA

Number 62° 29' 08" 123° 52' 40" Field WILDCAT Province NORTH WEST TERRITORIES

Formation ARNICA Co. Rep. J. FENTON

and Interval 5090 - 5240 DST#3 Technician J. MOONEY

Distribution of Reports

9 - CALGARY.

JOHNSTON TESTERS 321 - 10TH AVENUE S.E. • CALGARY 24, ALBERTA • PH. 295-1191

A DIVISION OF SCHLUMBERGER CANADA LIMITED

D 03299

PRESSURE DATA

INSTRUMENT No		AK1-778	AK1-2600		
CAPACITY (psig)		6500	6950		
INSTRUMENT DEPTH FT		5103	5112		
INSTRUMENT OPENING		OUTSIDE	OUTSIDE		
PRESSURE GRADIENT psi/FT.					
WELL TEMP. °F. 126					
INITIAL HYDROSTATIC	A	2320#	2326#		
FIRST FLOW	B	89#	92#		
	B-1	244#	255#		
INITIAL SHUT-IN	C	1909#	1927#		
SECOND FLOW	D	261#	273#		
	D-1	1596#	1606#		
SECOND SHUT-IN	E				
THIRD FLOW	F				
	F-1				
FINAL SHUT-IN	G	1883#	1901#		
FINAL HYDROSTATIC	H	2314#	2314#		

FLUID SAMPLE REPORT

Sample No.

Type

Depth ft.

Volume

Sample Pressure: psig. at Surface

Gravity API @ °F

Gas/Oil Ratio Cu.Ft./bbl.

Recovery:

Cu. Ft. Gas

cc. Oil

cc. Water

cc. Mud

Total Liquid cc.

REMARKS:

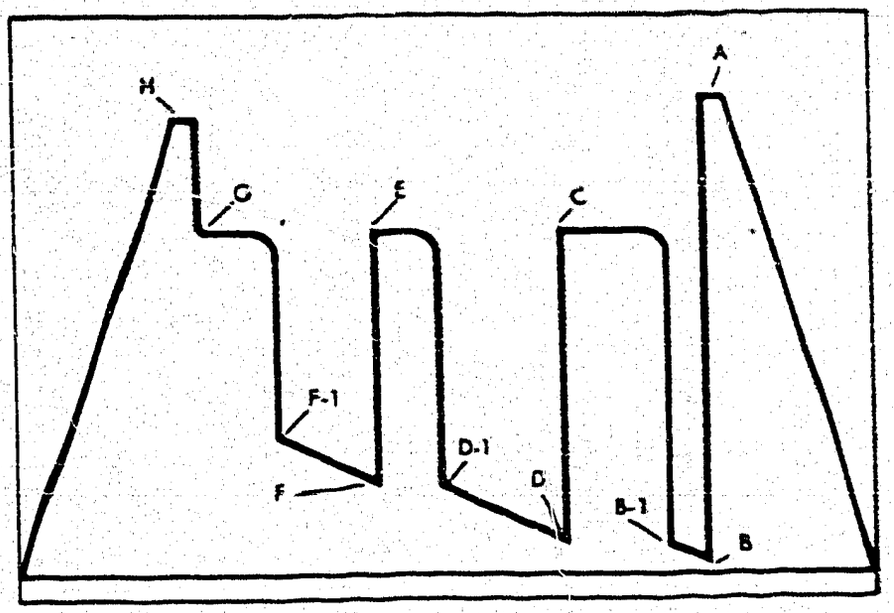
PRESSURE INCREMENTS ON RECORDER No. AK1-778

INITIAL SHUT-IN			FINAL SHUT-IN					
POINT MINUTES	PRESSURE	$\frac{T+\Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T+\Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T+\Delta T}{\Delta T}$
0	244.0	----	0	1595.8	-----			
5	1857.5	1.60	10	1802.8	13.30			
10	1882.5	1.30	20	1824.4	7.15			
15	1890.8	1.2[illegible]	30	1838.5	5.10			
20	1895.9	1.[illegible]	40	1848.5	4.08			
25	1900.9	1.[illegible]	50	1856.8	3.46			
30	1903.0	1.10	60	1862.5	3.05			
35	1905.2	1.09	70	1867.5	2.76			
40	1906.4	1.08	80	1871.3	2.54			
45	1907.4	1.07	90	1874.7	2.37			
50	1908.2	1.06	100	1877.7	2.23			
55	1908.9	1.05	110	1880.5	2.12			
60	1909.2	1.05	120	1882.5	2.02			

JTL-2 ● E-19-A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



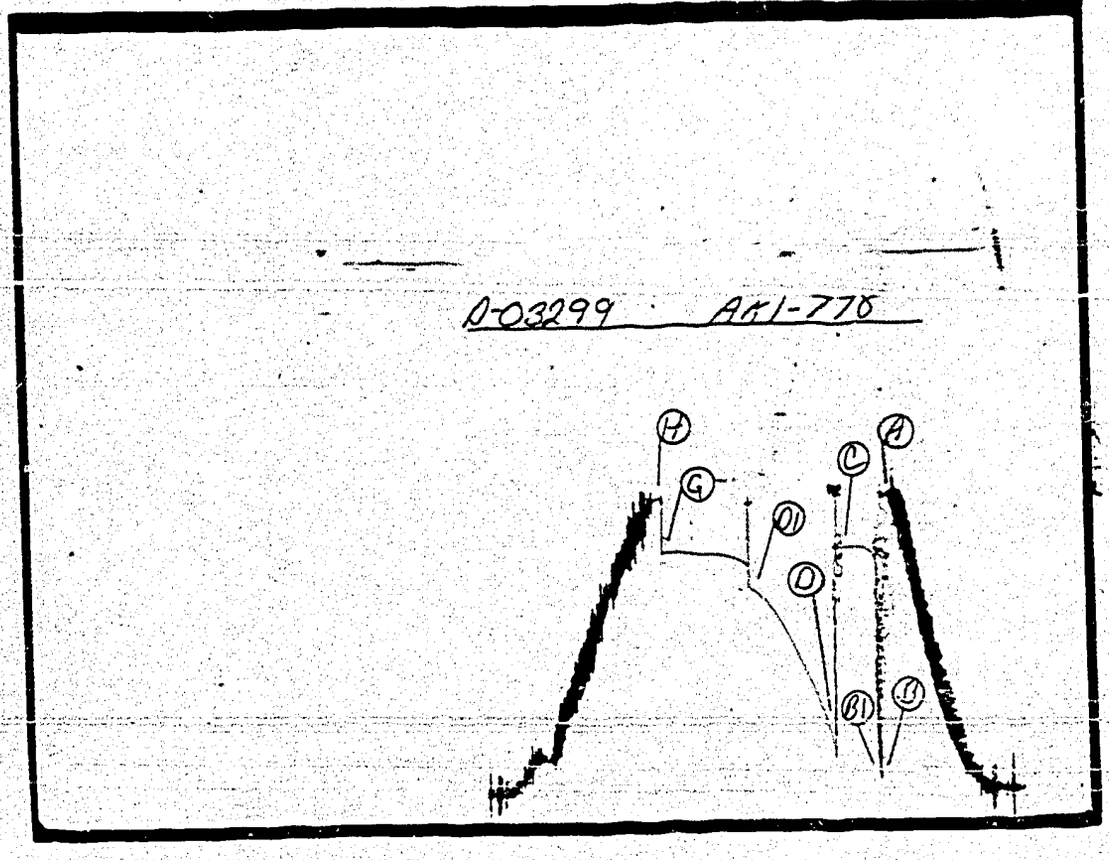
A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2. Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

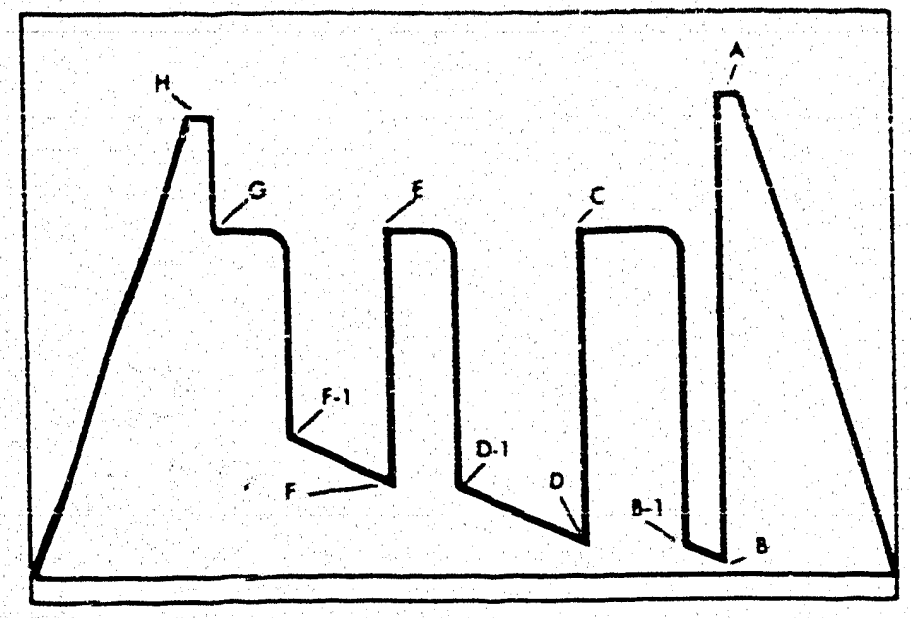
FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D 03299	AK1-778	6500	9



JTL-18E-13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



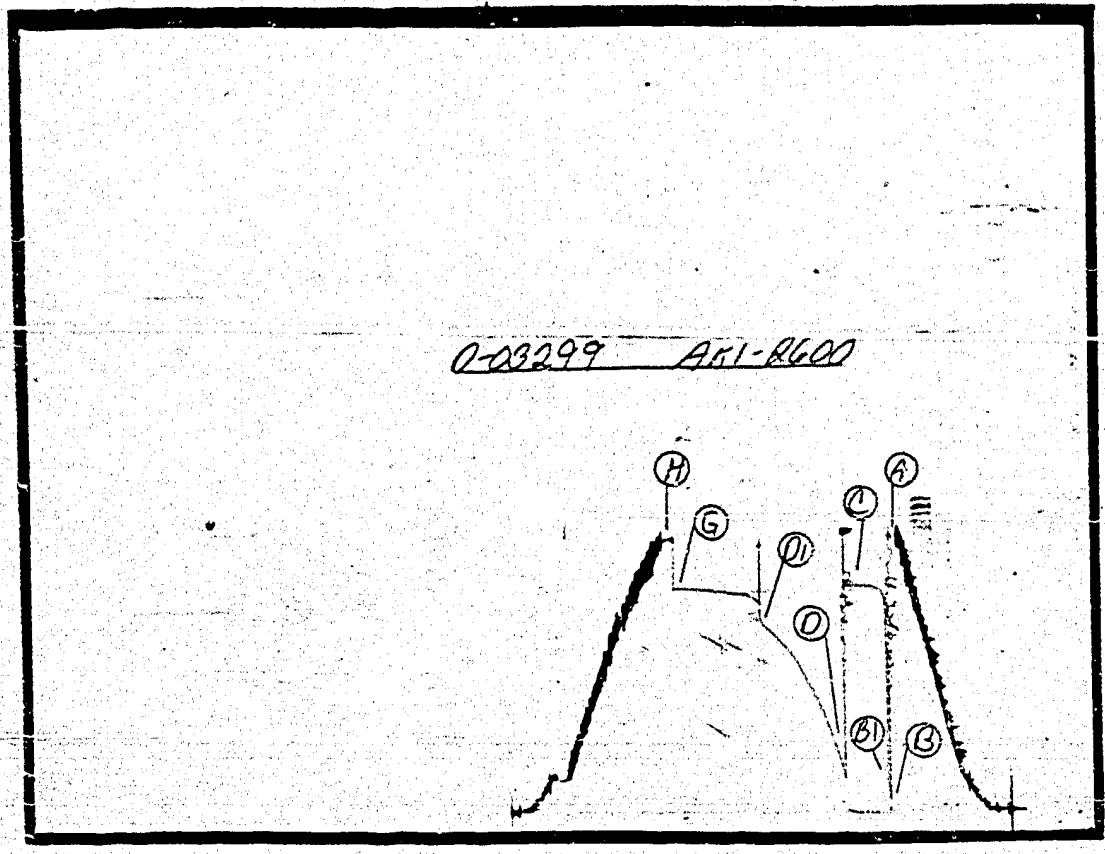
A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2. Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D 03299	AK1-2600	6950	9



TECHNICAL REPORT

JOHNSTON

JOHNSTON TESTERS

TEST DATA

Formation		Zone Thickness			Ft.
Interval	6370 To	6520	T.D.	7976	Ft.
Type of Test	OPEN HOLE, STRADDLE, BYPASS.				
Time Started in Hole	2235 Hrs.	Tool Opened			Hrs.
First Flow	0 Min.	Initial Shut-In	0	Min.	
Second Flow	0 Min.	Second Shut In		Min.	
Third Flow	Min.	Final Shut In	0	Min.	
Pulled Loose @	0215 Hrs.	Out of Hole	0730	Hrs.	
Wt. Set on Packers	45,000 #	Pulled Loose Wt.		#	

Description of Blow During Test
NIL

FLUID RECOVERY

Was Test Reverse Circulated Yes ☐ No ☐

Total Fluid Recovered 515 Ft.

Description of Fluid Recovered
515' DRILLING FLUID.

GAS BLOW MEASUREMENT

Measured With I.D. Riser

Type of Instrument

Time	Size Choke	Reading psi inches	M Cubic Feet/Day
		NIL	

REMARKS: MISRUN. SEAT FAILURE.

RESISTIVITY CHLORIDE CONTENT

Recovery Water @ °F. ppm.

Mud Pit sample filtrate @ °F. ppm.

TOOL SEQUENCE

Tool	Length	O.D.
SUB	.95	
P.O. SUB	1.00	
SUB	.85	
SUB	1.00	
MFE TOOL	10.00	
BYPASS TOOL	3.80	
H. SUB	.85	
SAFETY JOINT	1.75	
S.S. & PACKER	8.15	7 1/2"
TOTAL	28.35	
STUB.	.90	
PERF.	17.00	
R. SUB	.85	
RECORDER	4.40	
RECORDER	4.40	
SUB	.95	
DRILL COLLARS	117.35	
SUB	.85	
TRAVEL COLLAR	3.50	
TOTAL INTERVAL	150.20	
PACKER & STUB.	2.85	7 1/2"
PERF.	18.00	
SUB	.95	
DRILL PIPE	1451.48	
SUB	.85	
B.N. & PERF.	1.85	
TOTAL BELOW INTV.	1475.88	
TOTAL LENGTH	1654.53	

Elevation NOT REPORTED.

Bottom Hole Choke Size 1/2"

Fluid Cushion Type NIL Amt.

MUD AND HOLE DATA

Mud Type W.L. 23.8

Filter Cake 2/32 Visc. 48 Wt. 9.0

Time Taken

Contractor BAWDEN DRLG. Rig No. 16

Drill Pipe Size 4 1/2 FH

Drill Collar Size 2 13/16 Length 646'

Main Hole Size 8 3/4"

Rat Hole Size

District FORT ST. JOHN Ticket No. D 04351 Date MARCH 9, 1970 Test No. 4 J.T. No. 4

Company PACIFIC PETROLEUMS LTD. Address 700 - 6TH AVENUE S.W.

Well Name PACIFIC ET AL CARLSON LK A-50 CALGARY 1, ALBERTA

Number 62° 29' 08" 123° 52' 40" Field WILDCAT Province NORTH WEST TERRITORIES

Formation and Interval 6370 - 6520 DST#4 Co. Rep. B. ROSS

Technician J. MOONEY

Distribution of Reports
9 - CALGARY.

JT-154-DD

JOHNSTON TESTERS

321 - 30TH AVENUE S.E. - CALGARY 24, ALBERTA - PH. 250-1191

A DIVISION OF SCHLUMBERGER (CANADA) LIMITED

D 04351

PRESSURE DATA

INSTRUMENT No.		AK1-778	AK1-2600		
CAPACITY (psig)		6500	6950		
INSTRUMENT DEPTH FT.		OUTSIDE	OUTSIDE		
INSTRUMENT OPENING		6389	6393		
PRESSURE GRADIENT psi/FT.					
WELL TEMP. °F. 178					
INITIAL HYDROSTATIC	A	3014#	3019#		
FIRST FLOW	B				
	B-1				
INITIAL SHUT-IN	C				
SECOND FLOW	D	MISRUN SEAT FAILURE			
	D-1				
SECOND SHUT-IN	E				
THIRD FLOW	F				
	F-1				
FINAL SHUT-IN	G				
FINAL HYDROSTATIC	H	3004#	3012#		

FLUID SAMPLE REPORT

Sample No.

Type 4 1/2

Depth ft.

Volume 2300 cc

Sample Pressure: psig. at Surface

Gravity API @ °F

Gas/Oil Ratio Cu.Ft./bbl.

Recovery:

Cu. Ft. Gas

cc. Oil

cc. Water

cc. Mud

Total Liquid cc.

REMARKS:

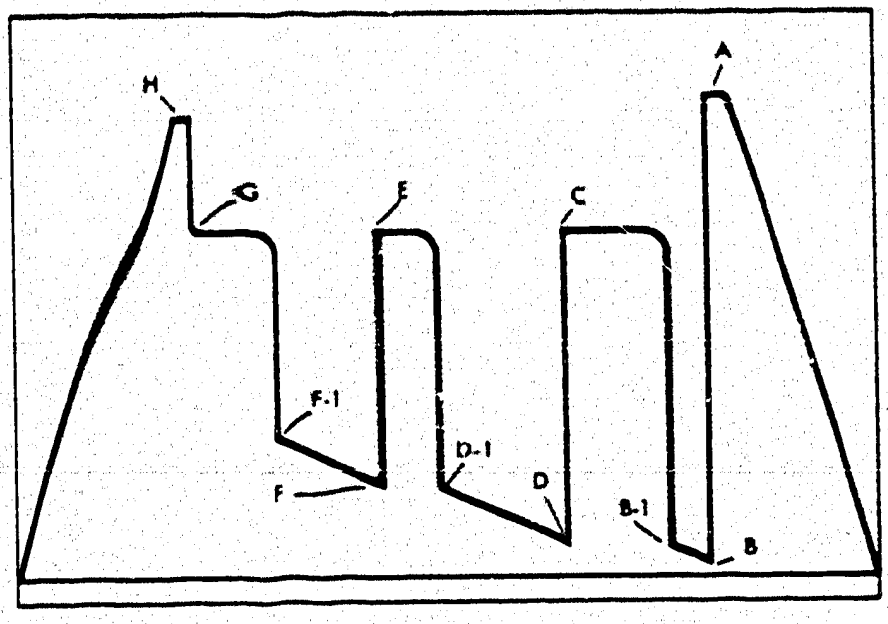
PRESSURE INCREMENTS

POINT MINUTES	PRESSURE	$\frac{T+\Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T+\Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T+\Delta T}{\Delta T}$

JTU-8-13-A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



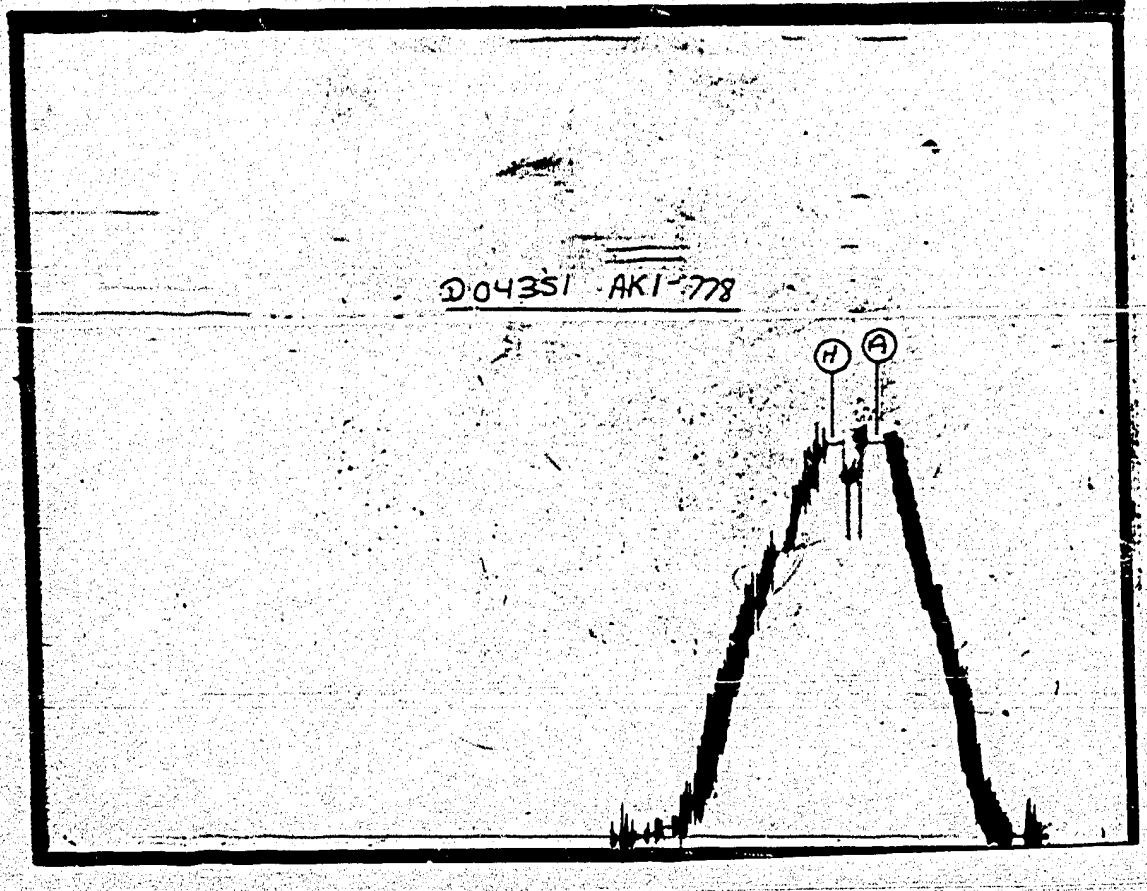
A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B-1, Initial Flow Pressures
C. Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E. Second Shut-In
F, F-1, F-2. Third Flow Pressures
G. Final Shut-In
H. Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D 04351	AK1-778	6500	9



TECHNICAL REPORT

JOHNSTON

JOHNSTON TESTERS

TEST DATA

Formation		Zone Thickness			Ft.
Interval	6360	To	6510	T.D.	7996 Ft.
Type of Test	STRADDLE, BYPASS.				
Time Started in Hole	0945 Hrs.	Tool Opened	1233 Hrs.		
First Flow	5 Min.	Initial Shut-in	60 Min.		
Second Flow	60 Min.	Second Shut In	Min.		
Third Flow	Min.	Final Shut In	60 Min.		
Pulled Loose at	1550 Hrs.	Out of Hole	2000 Hrs.		
Wt. Set on Packers	45,000 #	Pulled Loose Wt.	#		

Description of Blow During Test

VERY WEAK INITIAL AIR BLOW, DEAD IN 5 MINUTES OF SECOND FLOW.

FLUID RECOVERY Was Test Reverse Circulated Yes ☐ No ☐

Total Fluid Recovered 85 Ft.

Description of Fluid Recovered

85' DRILLING FLUID.

GAS BLOW MEASUREMENT

Measured With I.D. Riser

Type of Instrument

Time	Size Choke	Reading psi inches	M Cubic Feet/Day
	T.S.T.M.		

REMARKS: TEST SATISFACTORY.

RESISTIVITY CHLORIDE CONTENT

Recovery Water @ °F. ppm.

Mud Pit sample filtrate @ °F. ppm.

TOOL SEQUENCE

Tool	Length	O.D.
SUB	.95	
P.O. SUB	1.00	
SUB	.85	
SUB	1.00	
MFE TOOL	10.00	
BYPASS TOOL	3.80	
H. SUB	.85	
SAFETY JOINT	1.75	
S.S. & PACKER	9.05	7 1/2"
T.C. & PACKER	5.70	7 1/2"
TOTAL	34.95	
STUB.	1.45	
PERF.	17.00	
R. SUB	.85	
RECORDER	4.40	
RECORDER	4.40	
SUB	.95	
DRILL COLLARS	117.35	
SUB	.85	
TRAVEL COLLAR	3.50	
TOTAL INTERVAL	150.75	
PACKER & STUB	2.25	7 1/2"
PACKER	7.15	7 1/2"
PERFS.	22.00	
SUB	.95	
DRILL PIPE	1451.48	
SUB	.85	
B. NOSE	1.85	
TOTAL BELOW INTV.	1486.53	
TOTAL LENGTH	1672.32	

Elevation NOT REPORTED

~~Bottom Hole Choke Size~~ 1/2

Fluid Cushion Type NIL Amt.

MUD AND HOLE DATA

Mud Type W.L. 23.8

Filter Cake 2/32 Visc. 48 Wt. 9.0

Time Taken

Contractor BAWDEN DRLG. Rig No. 16

Drill Pipe Size 4 1/2 FH

Drill Collar Size 2 13/16 ID Length 646'

Main Hole Size 8 3/4

Rat Hole Size

District FORT ST. JOHN Ticket No. D 04352 Date MARCH 9, 1970 Test No. 5 J.T. No. 5

Company PACIFIC PETROLEUMS LTD. Address 700 - 6TH AVENUE S.W.

Well Name PACIFIC ET AL CARLSON LK A-50 CALGARY 1, ALBERTA

Number 62° 29' 08" 123° 52' 40" Field WILDCAT Province N.W.T.

Formation and Interval 6360 - 6510 DST#5 Co. Rep. B. ROSS

Technician J. MOONEY

Distribution of Reports 9 - CALGARY

JT-506-69

JOHNSTON TESTERS

321 - 50TH AVENUE S.E. • CALGARY 24, ALBERTA • PH. 299-1151

A DIVISION OF SCHLUMBERGER CANADA LIMITED

D 04352

PRESSURE DATA

INSTRUMENT No.		AK1-778	AK1-2600		
CAPACITY (psig)		6500	6950		
INSTRUMENT DEPTH FT.		6379	6383		
INSTRUMENT OPENING		OUTSIDE	OUTSIDE		
PRESSURE GRADIENT psi/FT.					
WELL TEMP. °F. 178					
INITIAL HYDROSTATIC	A	3010#	3019#		
FIRST FLOW	B	51#	60#		
	B-1	63#	72#		
INITIAL SHUT-IN	C	1597#	1602#		
SECOND FLOW	D	78#	83#		
	D-1	81#	86#		
SECOND SHUT-IN	E				
THIRD FLOW	F				
	F-1				
FINAL SHUT-IN	G	537#	545#		
FINAL HYDROSTATIC	H	2994#	2998#		

FLUID SAMPLE REPORT

Sample No.

Type 4 1/2"

Depth ft.

Volume 2300 c.c.

Sample Pressure: psig. at Surface

Gravity API @ °F

Gas/Oil Ratio Cu.Ft./bbl.

Recovery:

Cu. Ft. Gas

cc. Oil

cc. Water

cc. Mud

Total Liquid cc.

REMARKS:

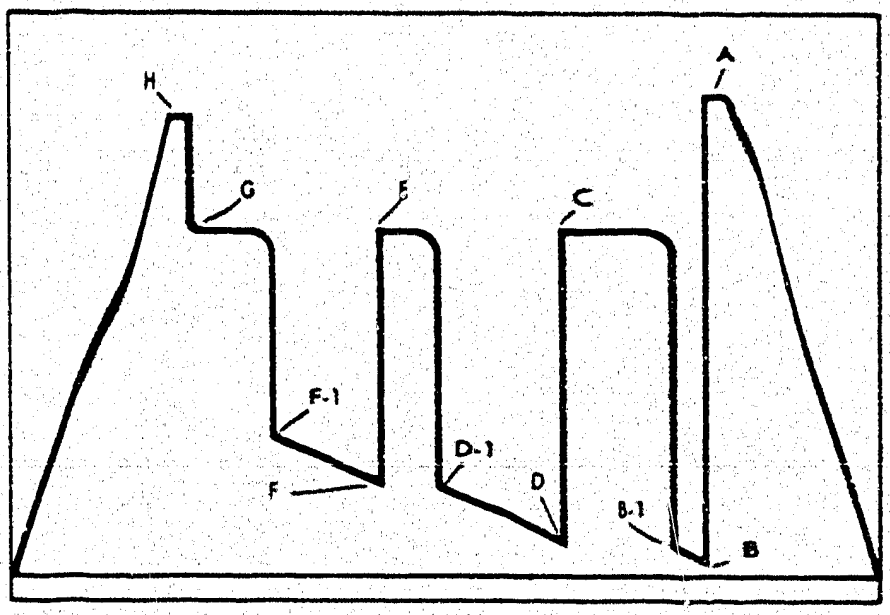
PRESSURE INCREMENTS

POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$
ON RECORDER No. AK1-778			ON RECORDER No. AK1-2600					
	FINAL SHUT-IN			FINAL SHUT-IN				
0	81	-----	0	86	-----			
5	128	14.00	5	133	14.00			
10	173	7.50	10	178	7.50			
15	202	5.33	15	208	5.33			
20	224	4.25	20	236	4.25			
25	262	3.60	25	266	3.60			
30	325	3.17	30	330	3.17			
35	351	2.86	35	358	3.86			
40	375	2.63	40	381	2.63			
45	396	2.44	45	404	2.44			
50	491	2.30	50	501	2.30			
55	515	2.18	55	521	2.18			
60	537	2.08	60	545	2.08			

JTL-1 & K-73A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



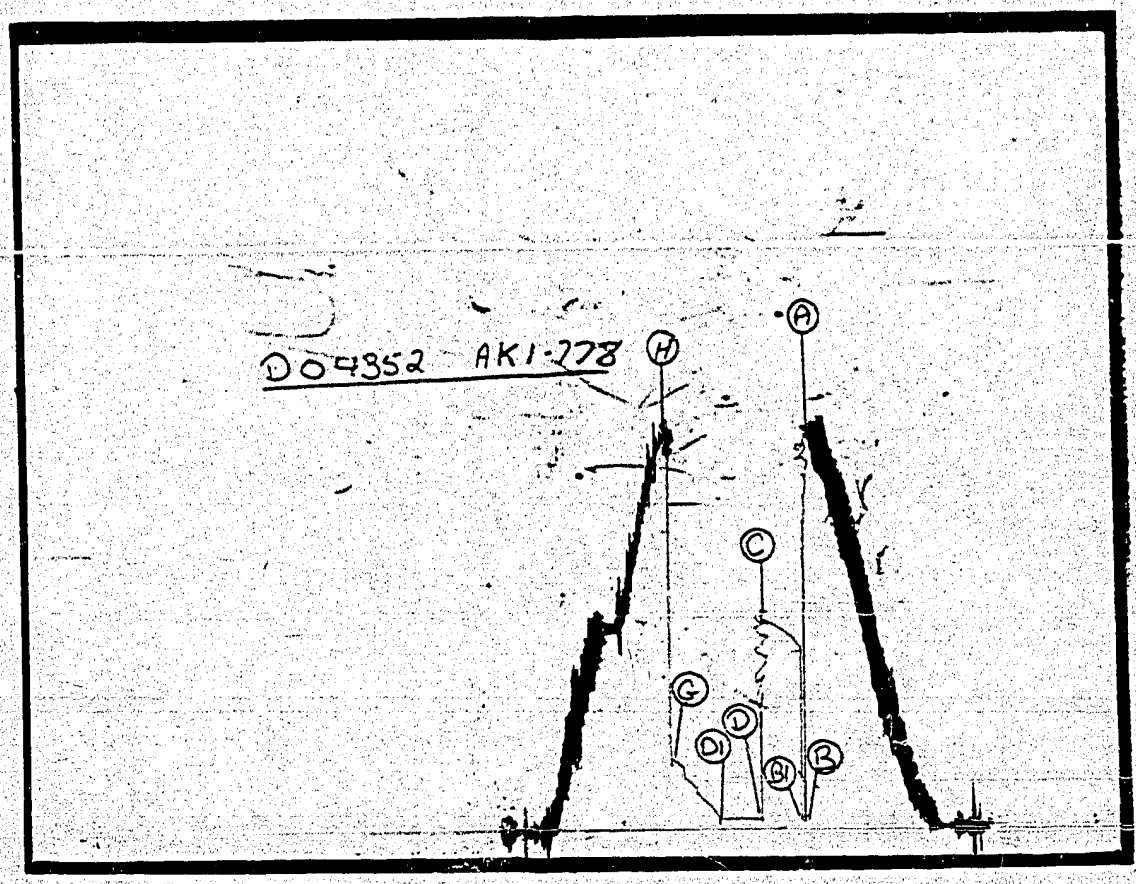
A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2, Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

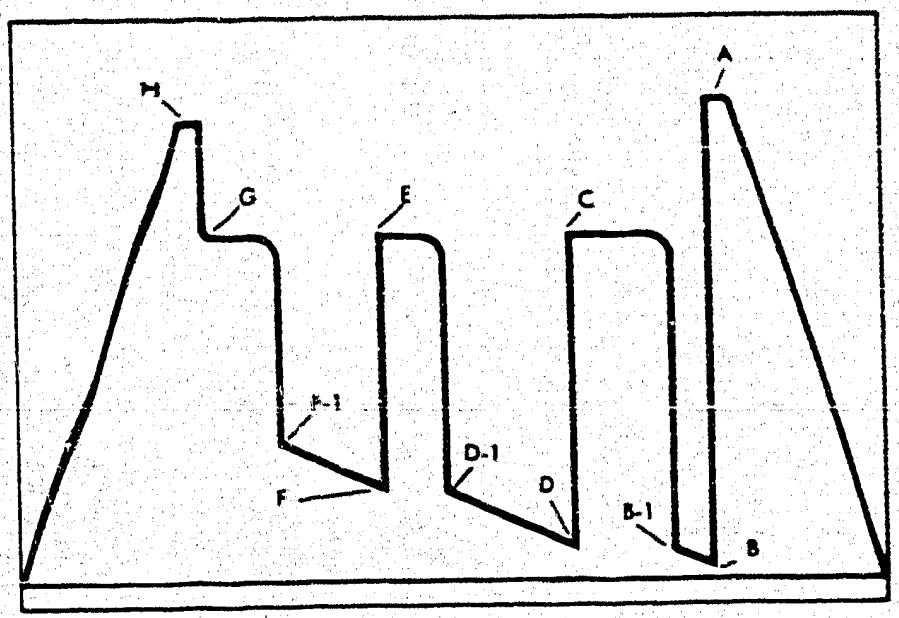
FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D 04352	AK1-778	6500	9



JTL-1 & E-13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



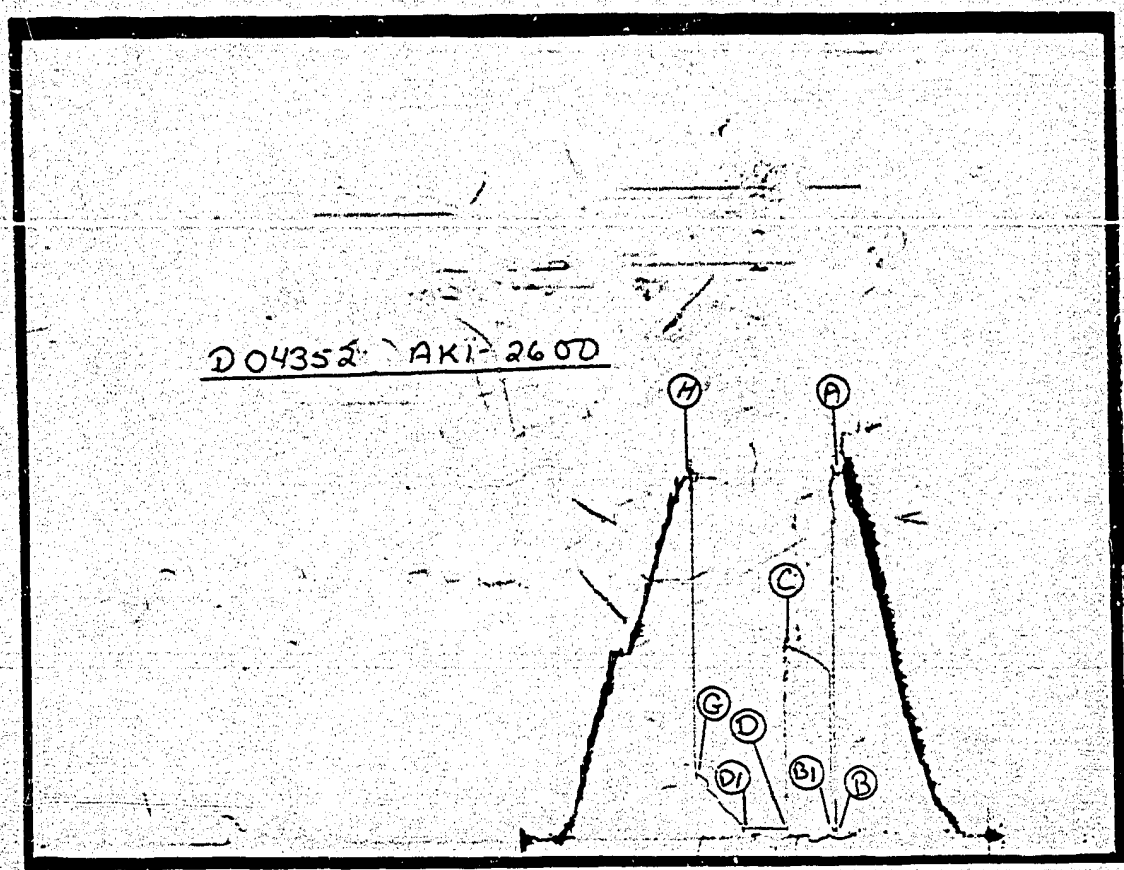
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B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

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B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2. Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D 04352	AK1-2600	6950	9



TECHNICAL REPORT

JOHNSTON

JOHNSTON TESTERS

321 - 30TH AVENUE S.E. · CALGARY 24, ALBERTA · PH. 295-1151

A DIVISION OF SCHLUMBERGER CANADA LIMITED

TEST DATA

Formation	Arnica	Zone Thickness			Ft
Interval	4102	To	4238	T.D.	4238 Ft
Type of Test	Open Hole, Bottom Hole				
Time Started in Hole	0145 Hrs	Tool Opened	0609	Hrs	
First Flow	3 Min	Initial Shut-In	60	Min	
Second Flow	90 Min	Second Shut-In		Min	
Third Flow	Min	Final Shut-In	90	Min	
Pulled Loose @	1015 Hrs	Out of Hole	1400	Hrs	
Wt. Set on Packers	40,000 #	Pulled Loose Wt	5,000	#	

Description of Blow During Test: Very Weak Initial Blow. Very Weak Initial Blow on Flow Decreasing After 30 Minutes.

FLUID RECOVERY

Was Test Reverse Circulated Yes ___ No x

Total Fluid Recovered: 550' Ft

Description of Fluid Recovered: 550' Muddy Water.

GAS BLOW MEASUREMENT

Measured With: I.D. Riser

Type of Instrument:

Time	Size Choke	Reading psi inches	M Cubic Feet/Day
			Nil

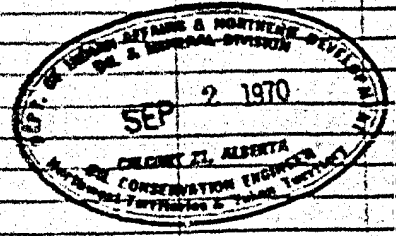
REMARKS: Test Satisfactory. ~~Flow Pressures Read in Transfer and Lower Pressure Panels~~

RESISTIVITY / CHLORIDE CONTENT

Recovery Water	@	°F.		ppm.
Mud Pit sample filtrate	@	°F.		ppm.

TOOL SEQUENCE

Tool	Length	O.D.
F.O. Subs.	6.69	
Sub.	.98	
MFE Tool	9.10	
Bypass Tool	3.60	
Safety Jt.	1.75	
Safety Seal	4.93	
Pkr.	3.20	7 3/4"
Total	30.25	
Stub	.90	
Perf.	25.00	
Recorder	4.40	
Recorder	4.40	
Perf.	4.00	
Sub.	1.05	
Drill Collar	94.05	
D.P. Sub.	.84	
Perf. & B.N.	1.85	
Total Interval	136.49	



TOTAL LENGTH	166.74
Elevation	Not Reported
Bottom Hole Choke Size	1/2"
Fluid Cushion Type	Nil Amt.

MUD AND HOLE DATA

Mud Type	Gel.	W.L.	2.6
Filter Cake	Visc. 42	Wt.	8.5
Time Taken			
Contractor	Peter Bawden Drlg	Rig No.	16
Drill Pipe Size	4 1/2 FH		
Drill Collar Size	2 13/16 ID	Length	624'
Main Hole Size	8 3/4"		
Rat Hole Size			

District	Fort St. John	Ticket No.	D 03823
Company	Pacific Petroleums Ltd.		
Well Name	Pacific et al Carlson Lk A-50		
Number	62° 29' 08" 123° 52' 40"		
Formation	Arnica		
and Interval	4102-4238	DST# 2	
Distribution of Reports			

Date: February 14, 1970 Test No. 2 J.T. No. 2

Address: 700 - 6th Avenue S. W.
Calgary 1, Alberta

Field: Wildcat Province: N. W. T.

Co. Rep.: J. Fenton - Engineer

Technician: P. Coon

9 - Calgary

77-16E-00

JOHNSTON TESTERS 321 50TH AVENUE S.E. · CALGARY 24, ALBERTA PH. 294-1181

A DIVISION OF SCHLUMBERGER CANADA LIMITED

D 03823

PRESSURE DATA

INSTRUMENT No.		AK1-2598	AK1-2600		
CAPACITY (psig)		6900	6950		
INSTRUMENT DEPTH FT.		4128	4132		
INSTRUMENT OPENING		Outside	Outside		
PRESSURE GRADIENT psi/FT.					
WELL TEMP. °F.		138°	138°		
INITIAL HYDROSTATIC	A	1860#	1875#		
FIRST FLOW	B	39#	50#		
	B-1	92#	105#		
INITIAL SHUT-IN	C	1481#	1496#		
SECOND FLOW	D	44#	50#		
	D-1	386#	402#		
SECOND SHUT-IN	E				
THIRD FLOW	F				
	F-1				
FINAL SHUT-IN	G	1460#	1472#		
FINAL HYDROSTATIC	H	1864#	1872#		

FLUID SAMPLE REPORT

Sample No.

Type

Depth ft.

Volume

Sample Pressure: psig. at Surface

Gravity API @ °F

Gas/Oil Ratio Cu.Ft./bbl.

Recovery:

Cu. Ft. Gas

cc. Oil

cc. Water

cc. Mud -

Total Liquid cc.

REMARKS:

PRESSURE INCREMENTS - AK1-2600

Initial Shut-In

POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$
0	105	----
5	1438	1.60
10	1477	1.30
15	1484	1.20
20	1487	1.15
25	1490	1.12
30	1492	1.10
35	1494	1.09
50	1495	1.07
60	1496	1.05

Final Shut-In

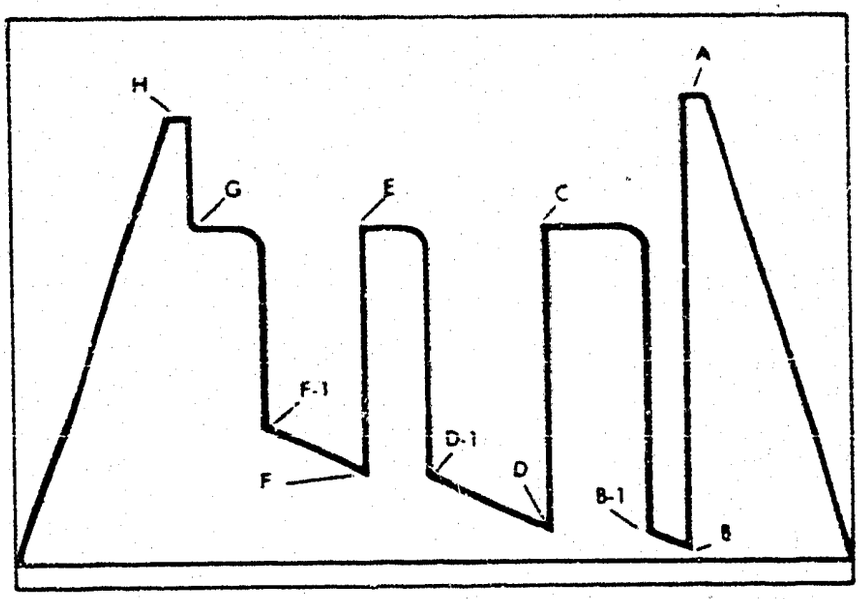
POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$
0	402	------
5	1380	19.60
10	1408	10.30
15	1422	7.20
20	1432	5.65
25	1440	4.72
30	1445	4.10
35	1449	3.66
40	1452	3.33
45	1456	3.07
50	1459	2.86
55	1463	2.69
[illegible]	[illegible]	[illegible]
70	1468	2.33
80	1470	2.16
90	1472	2.03

POINT MINUTES	PRESSURE	$\frac{T + \Delta T}{\Delta T}$

JTL-1 & E-13A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



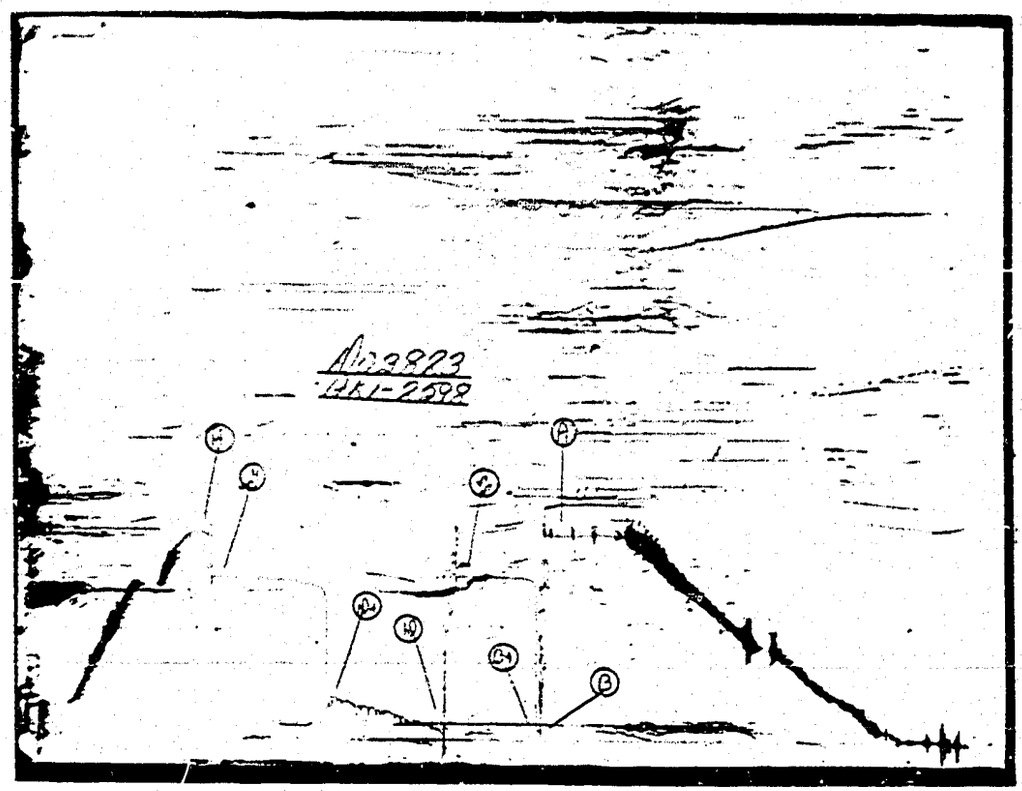
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G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

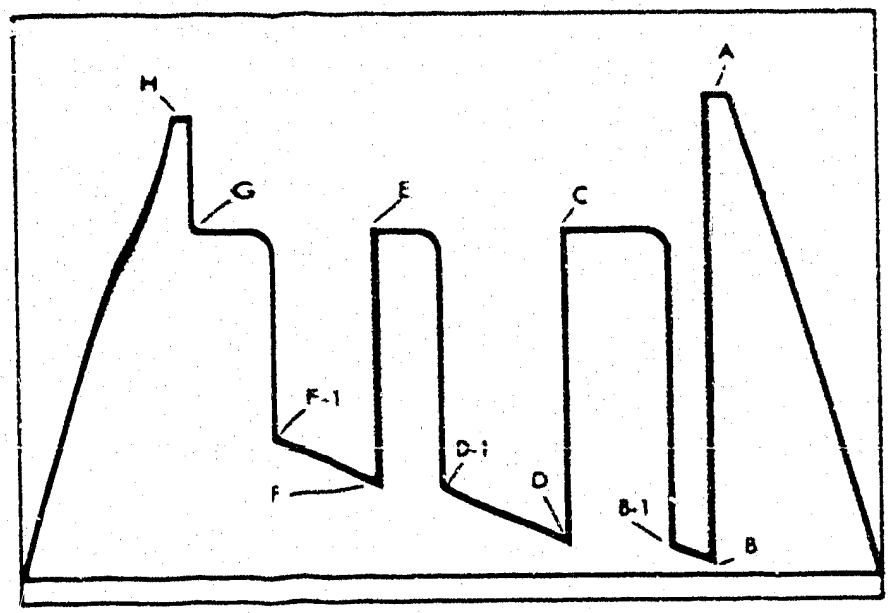
FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D 03823	AK1-2598	6900	9



JTL-1 & E-13-A

JOHNSTON TESTERS

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



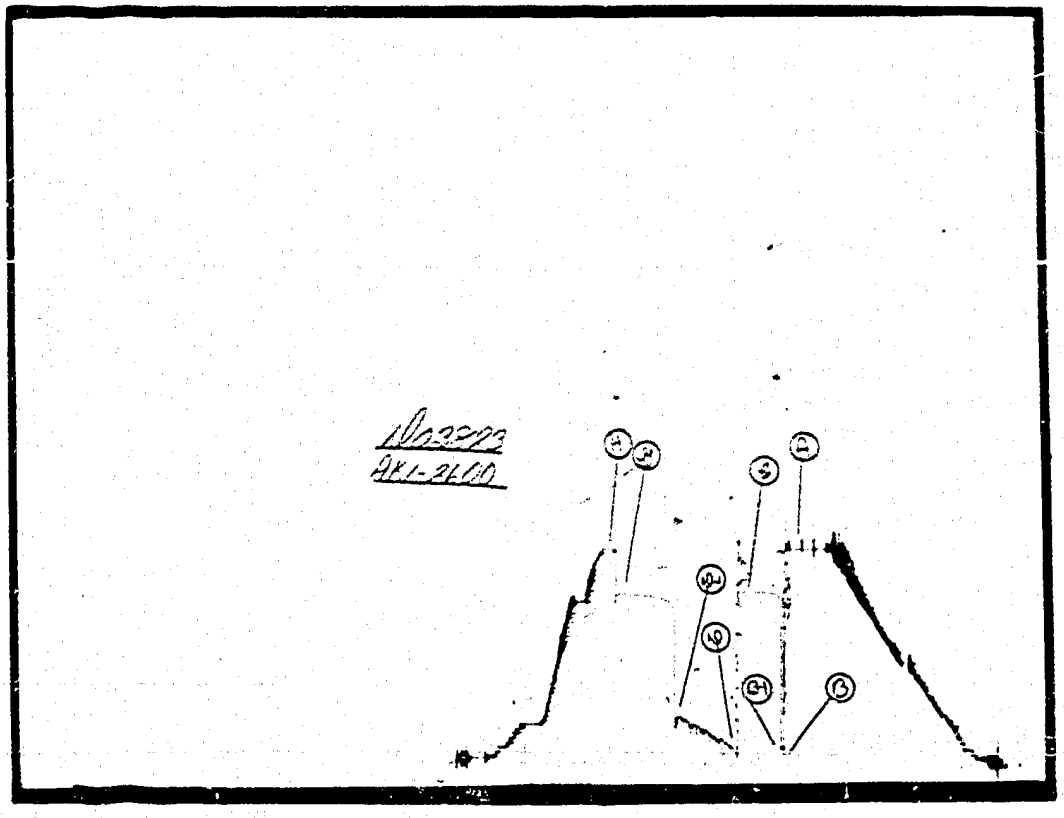
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B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

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B, B-1, Initial Flow Pressures
C, Initial Shut-In
D-1, D-2, D-3, etc. Second Flow Pressures
E, Second Shut-In
F, F-1, F-2. Third Flow Pressures
G, Final Shut-In
H, Final Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.

JOHNSTON TESTERS

FIELD REPORT NO.	RECORDER NO.	CAPACITY	REPORTS REQUESTED
D 03823	AK1-2600	6950	9



DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETR.

LOCATION: LSD. REC. TWP. NOR. W. — W 123° 2' 68° 29N

WELL NAME: PACIFIC ETAL GARLSON LAKE — No. A-50 — PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD. — RIG No. 16

DRILL PIPE STRING No. SIZE: 2 7/8 — TOOL JOINT: 3 3/4 OD — TYPE THD: FH — DRILL PIPE GRADE: E

OPERATOR'S REPRESENTATIVE: D. Ham

CONTRACTOR'S TOOL PUSHER: E. Mill

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214-P
2.	OILWELL	214-P
3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13 3/8	H-40	0	788	CONST	780	1% CaCl

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL No.	
No. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
No. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	
DAY TOUR	378
EVENING TOUR	

FORM D1—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT ON C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
	WT OF STRING	LBS.	CONDITION	

DRILLER

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

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

From	To	Elapsed Time	REMARKS
12	1	1	1/4 W.O. CEMENT
1	2	1	FELT PLUG No 3 @ 3460 & PULL UP TO 838
2	2		1/4 RAN PLUG No 4
2			PULL OUT OF PLUG & LAY DOWN 90 JTS PIPE
	5	5	1/2 W.O. CEMENT PLUG No 4
			PLUG No 4 - 838 - 738' 90 SXS OILWELL CEMENT

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
	WT OF STRING	LBS.	CONDITION	

DRILLER David Hardie

WEATHER CONDITIONS Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

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

From	To	Elapsed Time	REMARKS
8	10	2	1/2 W.O.C FELT PLUG No 4 @ 738
10	12	1	1/2 LAY DOWN PIPE & KELLY
12	4	4	RIG DOWN TO MOVE.
			RIG RELEASED @ 12 NOON MAR-11-1979
			5 SAX PLUG IN MOUSE RAT HOLE
			CUT OFF CSG 3' BELOW G.R. LEVEL RAN 5 SAX
			PLUG ON SURFACE WELD ON PLATE & 7' PIPE WITH WELL NAME PLATE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
	WT OF STRING	LBS.	CONDITION	

DRILLER R. R. Sanders

WEATHER CONDITIONS Cool.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

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

From	To	Elapsed Time	REMARKS
			DISMANTLE PREFAB'S, TEAR OUT FLOOR.
			DISMANTLE PUMP'S. ECT.
			TEAR OUT BOP'S.
			WORK ON BAWDEN MANIFOLD - G.T.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

Gallons of Diesel Fuel on Hand at 8:00 a.m. _____

REPORT No. 52

DATE: MAR. 11/79

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETE.

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

OPERATOR'S REPRESENTATIVE: [signature]

LOCATION: LSD. [ ] SEC. [ ] TWP. [ ] RGE. [ ] W. [ ] — W 123° 9' 62° 29 N

DRILL PIPE STRING No. SIZE: 3 4½

TOOL JOINT: 5 1/4 OD

TYPE THD.: FH

DRILL PIPE GRADE:

CONTRACTOR'S TOOL PUSHER: [signature]

WELL NAME: PACIFIC ETAL CARLSON LAKE No. A-50

PROVINCE: N.W.T.

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	2H-P
2.	OILWELL	2H-P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H-40	0	758	CONST	790	1½% CACL2

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL No.	
No. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
No. OF DAYS FROM SPUD	53.
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	52.
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	451
DAY TOUR	379
EVENING TOUR	165

FORM DI—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	OD			
	D.C.	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
	WT OF STRING	LBS.	CONDITION	

DRILLER

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12:00	12:00	12	Finish Tear Out B.O.P. Tear Out Rig Wash No1 Boiler

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	OD			
	D.C.	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
	WT OF STRING	LBS.	CONDITION	

DRILLER: David Hardie

WEATHER CONDITIONS: Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
9:00	3:00	12	RIG OUT FLOOR, RIG UP DERRICK TO LAY DOWN, SKID OUT MUD TANKS + LOAD W/ PLANKS, BARRELS, ETC.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	OD			
	D.C.	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
	WT OF STRING	LBS.	CONDITION	

DRILLER: K. K. Lush

WEATHER CONDITIONS: Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12			CLEAN OUT FRONT END.
			PREPARE TO LAY DOWN DERRICK
			LAY DOWN DERRICK & A LEG'S. - STRIP SAME.
	12		PICK UP ALL WATER STEAM & HYDRIL LINES.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

Gallons of Diesel Fuel on Hand at 8:00 a.m. _____

REPORT No. 54

DATE: MAR. 12/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETS

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

OPERATOR'S REPRESENTATIVE: L. Lee

RIG No.: 16

DRILL PIPE STRING No. SIZE: 2 4½

TOOL JOINT: 5 3/4 OD

TYPE THD: FH

DRILL PIPE GRADE: E

CONTRACTOR'S TOOL PUSHER: E. Mill

LOCATION: LSD. — SEC. — TWP. 62° — RGE. W. 123° 2' — WELL NAME: PACIFIC ET AL CARNSDALE No. A-50 — PROVINCE: N.W.T.

PUMPS

No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

	Mum	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL No.	
No. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OF TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OF TRIPS	
No. OF DAYS FROM SPUD	54
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	53
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	452
DAY TOUR	380
EVENING TOUR	166

FORM. D2—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY	FT.
	STANDS DP	FT.
	SNGLS. DP	FT.
	D.C. OD	FT.
	D.C. OD	FT.
	RMR BODY OD	FT.
	STB BODY OD	FT.
	SUBS OD	FT.
	BIT OR C.B.	FT.
		FT.
	Kelly Down	FT.
	TOTAL	FT.
WT OF STRING		LBS.

BIT RECORD

Drilling or Core Bit No.	
TYPE	
SIZE	
NOZZ. SIZE	
SERIAL No.	
DEPTH IN	
DEPTH OUT	
FT. DRILLED	
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	
CONDITION	

DRILLER

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12:00	4:00		Wash Hog Boiler.
			Tear Out
			Travel To Cornsell Bend.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY	FT.
	STANDS DP	FT.
	SNGLS. DP	FT.
	D.C. OD	FT.
	D.C. OD	FT.
	RMR BODY OD	FT.
	STB BODY OD	FT.
	SUBS OD	FT.
	BIT OR C.B.	FT.
		FT.
	Kelly Down	FT.
	TOTAL	FT.
WT OF STRING		LBS.

BIT RECORD

Drilling or Core Bit No.	
TYPE	
SIZE	
NOZZ. SIZE	
SERIAL No.	
DEPTH IN	
DEPTH OUT	
FT. DRILLED	
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	
CONDITION	

DRILLER: David Hardie

WEATHER CONDITIONS: COOL

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
8:00	9:00		TEAR DOWN SHOP, PICK UP MATTING,
			LOAD OUT TRUCKS

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY	FT.
	STANDS DP	FT.
	SNGLS. DP	FT.
	D.C. OD	FT.
	D.C. OD	FT.
	RMR BODY OD	FT.
	STB BODY OD	FT.
	SUBS OD	FT.
	BIT OR C.B.	FT.
		FT.
	Kelly Down	FT.
	TOTAL	FT.
WT OF STRING		LBS.

BIT RECORD

Drilling or Core Bit No.	
TYPE	
SIZE	
NOZZ. SIZE	
SERIAL No.	
DEPTH IN	
DEPTH OUT	
FT. DRILLED	
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	
CONDITION	

DRILLER: Ken Rideout

WEATHER CONDITIONS: Rain

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
8:00	9:00		Spool DRLG Line - Unpin Derrick.
			Dismantle Derrick.
			Dismantle Sub.
			Load out Trucks.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

Gallons of Diesel Fuel on Hand at 8:00 a.m. _____

REPORT No. _____

DATE: March 13/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETE

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 14

LOCATION: LSD. W 12 SEC. 30 TWP. 21 RGE. 29 W.

WELL NAME: PACIFIC ETAL CARLSON LAKE No. A-50

PROVINCE: N.W.T

DRILL PIPE STRING No. SIZE | TOOL JOINT OD TYPE THD. | DRILL PIPE GRADE

OPERATOR'S REPRESENTATIVE: L. Olson

CONTRACTOR'S TOOL PUSHER: L. Mill

PUMPS

No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL No.	
No. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	

No. OF DAYS FROM SPUD	55
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	54

DRILLER ACCDNT. FREE DAYS

MORNING TOUR	453
DAY TOUR	381
EVENING TOUR	

FORM D1—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY	FT.	BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	D.C. OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
	WT OF STRING	LBS.	CONDITION	

DRILLER: Wm Adams

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
							PUMP No. 1				
							PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
8:00	12:00		UNLOAD TRUCKS & RACK RIG.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY	FT.	BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	D.C. OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
	WT OF STRING	LBS.	CONDITION	

DRILLER: David Hardie

WEATHER CONDITIONS: MILD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
							PUMP No. 1				
							PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
8:00	7:00	11	FINISH CLEANING UP LEASE
			START RIGGING OUT CAMP

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY	FT.	BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	D.C. OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
	WT OF STRING	LBS.	CONDITION	

DRILLER:

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
							PUMP No. 1				
							PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

Gallons of Diesel Fuel on Hand at 8:00 a.m. _____ REPORT No. _____ DATE: MAR 14/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETE.

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

DRILL PIPE STRING No., SIZE:

TOOL JOINT OD / TYPE THD.:

DRILL PIPE GRADE:

LOCATION LSD. W122° SEC. 2' TWP. 62° RGE. 29 W.

WELL NAME: PACIFIC ET AL CARLSON LAKE No. A-5-0

PROVINCE: N.W.T.

OPERATOR'S REPRESENTATIVE: R. S. [illegible]

CONTRACTOR'S TOOL PUSHER: E. Mills

PUMPS		
No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING ON STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL No.	
No. OF LINES SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
No. OF DAYS FROM SPUD	56
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	454
DAY TOUR	382
EVENING TOUR	

FORM DI—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY	FT.	BIT RECORD
	STANDS DP	FT.	Drilling or Core Bit No.
	SNGLS. DP	FT.	TYPE
	D.C. OD	FT.	SIZE
	D.C. OD	FT.	NOZZ. SIZE
	RMR BODY OD	FT.	SERIAL No.
	STB BODY OD	FT.	DEPTH IN
	SUBS OD	FT.	DEPTH OUT
	BIT OR C.B.	FT.	FT. DRILLED
		FT.	FT. REAMED
	Kelly Down	FT.	FT. CORED
	TOTAL	FT.	CUM. HRS. RUN
WT OF STRING		LBS.	CONDITION

DRILLER: Wm Abbott.

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
8:00	12:00		Unload Truck & Rock Rig.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY	FT.	BIT RECORD
	STANDS DP	FT.	Drilling or Core Bit No.
	SNGLS. DP	FT.	TYPE
	D.C. OD	FT.	SIZE
	D.C. OD	FT.	NOZZ. SIZE
	RMR BODY OD	FT.	SERIAL No.
	STB BODY OD	FT.	DEPTH IN
	SUBS OD	FT.	DEPTH OUT
	BIT OR C.B.	FT.	FT. DRILLED
		FT.	FT. REAMED
	Kelly Down	FT.	FT. CORED
	TOTAL	FT.	CUM. HRS. RUN
WT OF STRING		LBS.	CONDITION

DRILLER: David Hardie

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
8:00			~~FISH~~ FINISH LOADING OUT CAMP @ OLD LOCTION
	10 PM		DRIVE TO CAMSEL BEND
			LOAD OUT TRUCKS, COLLARS, SWIVEL, BARRELS

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY	FT.	BIT RECORD
	STANDS DP	FT.	Drilling or Core Bit No.
	SNGLS. DP	FT.	TYPE
	D.C. OD	FT.	SIZE
	D.C. OD	FT.	NOZZ. SIZE
	RMR BODY OD	FT.	SERIAL No.
	STB BODY OD	FT.	DEPTH IN
	SUBS OD	FT.	DEPTH OUT
	BIT OR C.B.	FT.	FT. DRILLED
		FT.	FT. REAMED
	Kelly Down	FT.	FT. CORED
	TOTAL	FT.	CUM. HRS. RUN
WT OF STRING		LBS.	CONDITION

DRILLER:

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

Gallons of Diesel Fuel on Hand at 8:00 a.m. _____

REPORT No. _____

DATE: MAR. 15/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATION: PACIFIC PETE
CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.
RIG No.: 16
OPERATOR'S REPRESENTATIVE: R. D. Cam
CONTRACTOR'S TOOL PUSHER: E. Mill

LOCATION: LSD. W123° SEC. 2 TWP. 62° RGE. 29 W. N.
DRILL PIPE STRING No., SIZE:
TOOL JOINT OD / TYPE THD.:
DRILL PIPE GRADE:
WELL NAME: PACIFIC ET AL CARLSON LAKE No. A-50
PROVINCE: N.W.T.

PUMPS

No.	MANUFACTURER	TYPE
1.		
2.		
3.		

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL No.
No. OF LINES SIZE
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. or TRIPS SINCE LAST CUT
CUMULATIVE TON MI. or TRIPS

No. OF DAYS FROM SPUD: 57
CUMULATIVE ROTATING HRS.
DAYS SINCE LAST ACCDNT.

DRILLER ACCDNT. FREE DAYS

MORNING TOUR: 455
DAY TOUR: 383
EVENING TOUR:

FORM D1—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY	FT.	BIT RECORD
	STANDS DP	FT.	Drilling or Core Bit No.
	SNGLS. DP	FT.	TYPE
	D.C. OD	FT.	SIZE
	D.C. OD	FT.	NOZZ. SIZE
	RMR BODY OD	FT.	SERIAL No.
	STB BODY OD	FT.	DEPTH IN
	SUBS OD	FT.	DEPTH OUT
	BIT OR C.B.	FT.	FT. DRILLED
		FT.	FT. REAMED
	Kelly Down	FT.	FT. CORED
	TOTAL	FT.	CUM. HRS. RUN
WT OF STRING		LBS.	CONDITION

DRILLER: Wm Hubert
WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
8e	4e	8	Finish Backing Rig + Camp.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY	FT.	BIT RECORD
	STANDS DP	FT.	Drilling or Core Bit No.
	SNGLS. DP	FT.	TYPE
	D.C. OD	FT.	SIZE
	D.C. OD	FT.	NOZZ. SIZE
	RMR BODY OD	FT.	SERIAL No.
	STB BODY OD	FT.	DEPTH IN
	SUBS OD	FT.	DEPTH OUT
	BIT OR C.B.	FT.	FT. DRILLED
		FT.	FT. REAMED
	Kelly Down	FT.	FT. CORED
	TOTAL	FT.	CUM. HRS. RUN
WT OF STRING		LBS.	CONDITION

DRILLER: David Hardie
WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY	FT.	BIT RECORD
	STANDS DP	FT.	Drilling or Core Bit No.
	SNGLS. DP	FT.	TYPE
	D.C. OD	FT.	SIZE
	D.C. OD	FT.	NOZZ. SIZE
	RMR BODY OD	FT.	SERIAL No.
	STB BODY OD	FT.	DEPTH IN
	SUBS OD	FT.	DEPTH OUT
	BIT OR C.B.	FT.	FT. DRILLED
		FT.	FT. REAMED
	Kelly Down	FT.	FT. CORED
	TOTAL	FT.	CUM. HRS. RUN
WT OF STRING		LBS.	CONDITION

DRILLER
WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

Gallons of Diesel Fuel on Hand at 8:00 a.m. _____ REPORT No. _____ DATE: MAR 16/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Pete
CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.
OPERATOR'S REPRESENTATIVE: T. Glass
RIG No.: 16
LOCATION: LSD. N SEC. 12 TWP. 30 RGE. 22 W. 4 W
DRILL PIPE STRING No. SIZE: 2-4½
TOOL JOINT: 5¼ OD, TYPE THD. FH
DRILL PIPE GRADE: E
CONTRACTOR'S TOOL PUSHER: E. Mell
WELL NAME: Pacific Et Al Carbon Lake No. A-50
PROVINCE: N.W.T.

PUMPS No.	MANUFACTURER	TYPE
1.	Oilwell	214P
2.	Oilwell	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H40	0	788	60 cmt	780 Saxs	1½" Dia Centralizers

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL No.	
No. OF LINES SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	1900
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
No. OF DAYS FROM SPUD	51
CUMULATIVE ROTATING HRS.	653¾
DAYS SINCE LAST ACCDNT.	50
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	449
DAY TOUR	377
EVENING TOUR	163

FORM D1-1-67

MORNING TOUR

No.	DRILLING ASSEMBLY	FT.	BIT RECORD
	STANDS DP	FT.	Drilling or Core Bit No.
	SNGLS. DP	FT.	TYPE
	D.C. OD	FT.	SIZE
	D.C. OD	FT.	NOZZ. SIZE
	RMR BODY OD	FT.	SERIAL No.
	STB BODY OD	FT.	DEPTH IN
	SUBS OD	FT.	DEPTH OUT
	BIT OR C.B.	FT.	FT. DRILLED
		FT.	FT. REAMED
	Kelly Down	FT.	FT. CORED
	TOTAL	FT.	CUM. HRS. RUN
	WT OF STRING	LBS.	CONDITION

DRILLER: Wm Abbott
WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12:00	12:45	¾	CIRC @ 5300
12:45	1:15	½	RAN PLUG NO 1
1:15	7:15	6	PULL OUT OF PLUG & LAY DOWN DRILL PIPE & W.O CEMENT PLUG
7:15	5:00	¾	RUN IN TO FEEL PLUG NO 1

PLUG NO 1 - 5000 TO 5300 150 SAX OILWELL CEMENT
PLUG DOWN 12:00 AM MAR. 10-70

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY	FT.	BIT RECORD
	STANDS DP	FT.	Drilling or Core Bit No.
	SNGLS. DP	FT.	TYPE
	D.C. OD	FT.	SIZE
	D.C. OD	FT.	NOZZ. SIZE
	RMR BODY OD	FT.	SERIAL No.
	STB BODY OD	FT.	DEPTH IN
	SUBS OD	FT.	DEPTH OUT
	BIT OR C.B.	FT.	FT. DRILLED
		FT.	FT. REAMED
	Kelly Down	FT.	FT. CORED
	TOTAL	FT.	CUM. HRS. RUN
	WT OF STRING	LBS.	CONDITION

DRILLER: David Hardie
WEATHER CONDITIONS: Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
5:00	5:30	¾	FINISH IN TO FEEL PLUG.
5:30	9:15	1¼	FELT PLUG & PULL UP TO 4150' & BREAK CIRC
9:15	9:45	½	RAN PLUG #2 4150 TO 3900
9:45	4:00	6¼	PULL OUT OF PLUG & LAY DOWN PIPE & W.O.C.

FELT PLUG NO 1 @ 4965

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY	FT.	BIT RECORD
	STANDS DP	FT.	Drilling or Core Bit No.
	SNGLS. DP	FT.	TYPE
	D.C. OD	FT.	SIZE
	D.C. OD	FT.	NOZZ. SIZE
	RMR BODY OD	FT.	SERIAL No.
	STB BODY OD	FT.	DEPTH IN
	SUBS OD	FT.	DEPTH OUT
	BIT OR C.B.	FT.	FT. DRILLED
		FT.	FT. REAMED
	Kelly Down	FT.	FT. CORED
	TOTAL	FT.	CUM. HRS. RUN
	WT OF STRING	LBS.	CONDITION

DRILLER: K. Richelhods.
WEATHER CONDITIONS: Fair.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
4:00	5:15	1 ¼	W. O. C.
5:15	5:45	½	RUN IN TO FEEL PLUG # 2 & PULL UP TO 3600'
5:45	6:15	½	RAN PLUG #3 3600 - 3475 w/60 SKS CEMENT
6:15	12:00	5 ¾	PULL OUT OF PLUG. LAY DOWN 18 SINGLES & W.O.C

FELT PLUG # 2 @ 3875

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

Gallons of Diesel Fuel on Hand at 8:00 a.m. _____

REPORT No. 57

DATE: March 10/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Pete
CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.
OPERATOR'S REPRESENTATIVE: T. McCann
CONTRACTOR'S TOOL PUSHER: E. Mill
RIG No.: 16
LOCATION: LSD. K SEC. 23 TWP. 62 RGE. 24 W.
DRILL PIPE STRING No. SIZE: 2 4½
TOOL JOINT OD: 5¾
TYPE THD.: FH
DRILL PIPE GRADE: E
WELL NAME: Pacific Pete Al Carbon Lake No. A-5D
PROVINCE: NWT.

PUMPS

No.	MANUFACTURER	TYPE
1.	Oilwell	214P
2.	Oilwell	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
9⅝	H40	0	788	Class T	780 Sacks	1½ Tabacks

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING	5½	2½	6½
RIG MAINTENANCE		¼	
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS	2½	4¼	1½
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.
No. OF LINES 8 SIZE 1⅛
FEET SLIPPED 88
FEET CUT OFF 88
PRESENT LENGTH 1960
TON MI. or TRIPS SINCE LAST CUT 180
CUMULATIVE TON MI. or TRIPS 8187.

No. OF DAYS FROM SPUD 50
CUMULATIVE ROTATING HRS. 653¾
DAYS SINCE LAST ACCDNT. 49

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 448
DAY TOUR 376
EVENING TOUR 162

MORNING TOUR

No.	DRILLING ASSEMBLY	FT.	BIT RECORD
	STANDS DP	FT.	Drilling or Core Bit No.
	SNGLS. DP	FT.	TYPE
	D.C. OD	FT.	SIZE
	D.C. OD	FT.	NOZZ. SIZE
	RMR BODY OD	FT.	SERIAL No.
	STB BODY OD	FT.	DEPTH IN
	SUBS OD	FT.	DEPTH OUT
	BIT OR C.B.	FT.	FT. DRILLED
		FT.	FT. REAMED
	Kelly Down	FT.	FT. CORED
	TOTAL DST	FT.	CUM. HRS. ON 6370 - 65 20
	WT OF STRING	LBS.	CONDITION

DRILLER: Wm Abbott.
WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7996 T.D.						

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
7:00	1:00	1	Finishing W/DST.
1:00	2:00	1	Make up Testing Head. + Break Down Same
2:00	6:30	4½	Pull Out W/ 5000 FT 5 STD DCS WET.
6:30	8:00	1½	Break Testing Tools - Recover Charts + Change
			Misrun Packer Seat Would Not Hold.
			Packers.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY	FT.	BIT RECORD
	STANDS DP	FT.	Drilling or Core Bit No.
	SNGLS. DP	FT.	TYPE
	D.C. OD	FT.	SIZE
	D.C. OD	FT.	NOZZ. SIZE
	RMR BODY OD	FT.	SERIAL No.
	STB BODY OD	FT.	DEPTH IN
	SUBS OD	FT.	DEPTH OUT
	BIT OR C.B.	FT.	FT. DRILLED
		FT.	FT. REAMED
	Kelly Down	FT.	FT. CORED
	TOTAL DST	FT.	CUM. HRS. ON 6360 - 65 10
	WT OF STRING P.F.S. 78160 V.O.60 F.S.T	LBS.	CONDITION

DRILLER: David Hardie IHP 3014 FHP 3014
WEATHER CONDITIONS: Cool + Clear

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7996 T.D.						

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
9:00	9:00	1	SLIP & CUT 88' OFF DRLG LINE
9:00	9:30	½	MAKE UP D.S.T. #5 12:15 - 12:30 - ¼ - RIG TO TEST
9:30	9:45	¼	RIG SER + B.O.P. 12:30 - 3:45 - TESTING
9:45	12:15	2½	TRIP IN W/ D.S.T #5 3:45 - 4:00 - PULL PACKERS FREE
60	DEAD	IN	5 MINS REC'D 85' DRLG MUD.
			IF 72 FF 72 ISI 1559 FST 523 BHT 178°
			14 PALLETS GEL + 3 RIG WOOD TO RIG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY	FT.	BIT RECORD
	STANDS DP	FT.	Drilling or Core Bit No.
	SNGLS. DP	FT.	TYPE
	D.C. OD	FT.	SIZE
	D.C. OD	FT.	NOZZ. SIZE
	RMR BODY OD	FT.	SERIAL No.
	STB BODY OD	FT.	DEPTH IN
	SUBS OD	FT.	DEPTH OUT
	BIT OR C.B.	FT.	FT. DRILLED
		FT.	FT. REAMED
	Kelly Down	FT.	FT. CORED
	TOTAL	FT.	CUM. HRS. RUN
	WT OF STRING	LBS.	CONDITION

DRILLER: K Richards.
WEATHER CONDITIONS: Fair.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
4:00	9:00	5	Pull DST. Lay Down Tools and Load out Same.
9:00	10:30	1½	Lay Down 24 Drill Collars.
10:30	12:00	1½	Trip in open end To Run Cement plug.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 2613

REPORT No. 51

DATE: March 9/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Petr.
CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.
RIG No.: 16
OPERATOR'S REPRESENTATIVE: T. Olson
CONTRACTOR'S TOOL PUSHER: E. Mill
LOCATION: LSD. N 123° SEC. 2' TWP. 62° RGE. 24' W.
DRILL PIPE STRING No. SIZE: 2 4½
TOOL JOINT: 5¼ OD
TYPE THD.: FH
DRILL PIPE GRADE: E
WELL NAME: Pacific Et Al Garson Lake No. A-50
PROVINCE: N.W.T.

PUMPS

No.	MANUFACTURER	TYPE
1	Oilwell	214P
2	Oilwell	214P
3		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H40	0	798	Bonset	780 Sacks	1½ Gabaskets

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING	½		
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
LOGGING	7½	8	4
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS			4
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	8 SIZE 1 1/16
FEET SLIPPED	198
FEET CUT OFF	198
PRESENT LENGTH	3012
TON MI. or TRIPS SINCE LAST CUT	489
CUMULATIVE TON MI. or TRIPS	7917

No. OF DAYS FROM SPUD	49
CUMULATIVE ROTATING HRS.	653¾
DAYS SINCE LAST ACCDNT.	48
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	441
DAY TOUR	375
EVENING TOUR	161

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	D.C. OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: Wm Corbett
WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
7996						

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12⁰⁰	12³⁰	½	Fixing hose
12³⁰	8⁰⁰	7½	Rig To Log + Log W/ Schlumberger.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
80	STANDS DP	7253.45 FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
24	D.C. 6¼ OD	718.17 FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
1	SUBS ⅚ OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B.	4.12 FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	13.17 FT.	FT. CORED	
	TOTAL	7996.00 FT.	CUM. HRS. RUN	
WT OF STRING		176M LBS.	CONDITION	

DRILLER: David Hardi
WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
7996	T.D.					

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
8:00	12:00	8	LOGGING W/ SCHLUMBERGER

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	D.C. OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: L. R. Sule.
WEATHER CONDITIONS: Fair.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
7996	T.D.					

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
4:00	8:00	4.	LOGGING W/ SCHLUMBERGER.
8:00			Run in Tail pipe - pick up & make up DST No 4
	12:00	4.	Run in Stands

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 3437

REPORT No. 49

DATE: March 9/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pac Pet.

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

OPERATOR'S REPRESENTATIVE: D. Olson

CONTRACTOR'S TOOL PUSHER: E. Mill

LOCATION: LSD. N | SEC. 33 | TWP. 2 | RGE. 19 | W. 4

WELL NAME: Pac Pet Coulson Lake | No. A-50 | PROVINCE

DRILL PIPE STRING No. SIZE: 3 4½

TOOL JOINT: 5 3/4 OD | TYPE THD. FH

DRILL PIPE GRADE: E.

PUMPS

No.	MANUFACTURER	TYPE
1.	Oilwell	214P
2.	Oilwell	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H40	0	288	Cl "G"	780	139 Cal.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	4 1/2	8 3/4	3
TRIPPING	3 1/4	7 3/4	3
RIG MAINTENANCE	1/4	1/4	1/4
RIG REPAIRS			
HOLE SURVEYS			1/4
CONDITIONING MUD			
CONDITIONING HOLE			1 1/2
Reaming & Cleaning To Bottom		1/4	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	8 SIZE 1/4
FEET SLIPPED	1988
FEET CUT OFF	1988
PRESENT LENGTH	3012
TON MI. or TRIPS SINCE LAST CUT	399
CUMULATIVE TON MI. or TRIPS	7827
No. OF DAYS FROM SPUD	4/8
CUMULATIVE ROTATING HRS.	653½
DAYS SINCE LAST ACCDNT.	47
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	160
DAY TOUR	446
EVENING TOUR	374

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
99	STANDS DP	7168.65 FT.	Drilling or Core Bit No.	28
2	SNGLS. DP OD	39.88 FT.	TYPE	RG74
	D.C.	FT.	SIZE	8 3/4
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	20328
	STB BODY OD	FT.	DEPTH IN	7591
1	SUBS OD	1.09 FT.	DEPTH OUT	7962
1	BIT OR C.B. Sub	4.12 FT.	FT. DRILLED	371
		FT.	FT. REAMED	
	Kelly Down	12' FT.	FT. CORED	
	TOTAL	7962 FT.	CUM. HRS. RUN	44
WT OF STRING	120M LBS.		CONDITION	Dull

DRILLER: K Richards.

WEATHER CONDITIONS: Clear.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
7918	44		7962			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	625	6"	54	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12:00	12:15	1/4	Start Rig & Bop
12:15	4:45	4 1/2	Drlg 8 3/4" hole.
4:45	8:00	3 1/4	Trip out w/ Bit No 28 - Strap pipe.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9	9.0		
VISC.	36	36		
W.L.-C.C.	39.8	40		
FLTR. CK.	2/32	2/32		
pH	9.5	9.3		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	29
	SNGLS. DP OD	FT.	TYPE	WD7
	D.C. OD	FT.	SIZE	8 3/4
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD	FT.	SERIAL No.	6384
	STB BODY OD	FT.	DEPTH IN	7962
1	SUBS OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. Sub	4.12 FT.	FT. DRILLED	16
		FT.	FT. REAMED	
	Kelly Down	26.09 FT.	FT. CORED	
	TOTAL	7978 FT.	CUM. HRS. RUN	22 3/4
WT OF STRING	172M LBS.		CONDITION	Dulls

DRILLER: Wm Arbuckle.

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
7962	16		7978		35/45/35/45	

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	650	6"	54	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
8:00	8:45	3/4	Finish Out W/Bit No 28 - Lay Down 7" DCs.
8:45	9:00	1/4	Rig Service + BOP
9:00	1:00	4	Make up Bit No 29 - Run in W/Same - Fill Pipe 20 Stds Off Bottom
1:00	1:15	1/4	Clean 18' To Bottom.
1:15	4:00	2 3/4	Drlg 8 3/4 Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	T			9.0
VISC.	R			39
W.L.-C.C.				28
FLTR. CK.	P			2/32
pH				9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2000		
CMC	400		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
80	STANDS DP	7559.45 FT.	Drilling or Core Bit No.	29
-	SNGLS. DP OD	FT.	TYPE	WD7
	D.C. OD	FT.	SIZE	8 3/4
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	6384
	STB BODY OD	FT.	DEPTH IN	7962
1	SUBS OD	1.09 FT.	DEPTH OUT	7996
1	BIT OR C.B. Sub	4.12 FT.	FT. DRILLED	34
		FT.	FT. REAMED	
	Kelly Down	13.17 FT.	FT. CORED	
	TOTAL	7996.00 FT.	CUM. HRS. RUN	5 3/4
WT OF STRING	176M LBS.		CONDITION	6H-1

DRILLER: David Thadie

WEATHER CONDITIONS: Cold + Clear

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
7978	18		7996	T.D.	45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	6-5	6	53	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7996	1 1/4°							

From	To	Elapsed Time	REMARKS
4:00	6:00	2	Drlg 8 3/4" hole
6:00	6:15	1/4	Rig Ser. + B.O.P.
6:15	7:15	1	Drlg. 8 3/4 hole
7:15	8:45	1 1/2	Circ. to condition hole prior to logging
8:45	9:00	1/4	Survey @ 7996
9:00	12:00	3	Trip out to log.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.0	9.0	9.0	
VISC.	37	39	48	
W.L.-C.C.	25.8	25.6	25.8	
FLTR. CK.	2/32	2/32	2/32	
pH	9.0	9.0	9.5	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4600#		
CAUSTIC	50#		
CMC	50#		

FORM DI—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 4387

REPORT No. 49

DATE: March 7/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Rae Petie

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

OPERATOR'S REPRESENTATIVE:

RIG No.: 16

DRILL PIPE STRING No. SIZE: 4½

TOOL JOINT: 5½ OD, TYPE THD. FH

DRILL PIPE GRADE: E

CONTRACTOR'S TOOL PUSHER: E. Mill

LOCATION: LSD. W, SEC. 3, TWP. 60, RGE. 29, W. 4

WELL NAME: Pacific Hot Cachuna Lake No. A50

PROVINCE: N W T

PUMPS

No.	MANUFACTURER	TYPE
1.	Oilwell	214 P
2.	Oilwell	214 P.
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H40	0	789	Class C	730	1" @ 90 Cnl.

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
22	STANDS DP	6990.26 FT.	Drilling or Core Bit No.	28
2	SNGLS. DP OD	59.36 FT.	TYPE	RC2X
	D.C.	FT.	SIZE	8 3/4
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD	FT.	SERIAL No.	20378
	STB BODY OD	FT.	DEPTH IN	7591
1	SUBS OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B.	4.12 FT.	FT. DRILLED	211
		FT.	FT. REAMED	
	Kelly Down	29.00 FT.	FT. CORED	
	TOTAL	7802. FT.	CUM. HRS. RUN	25¾
WT OF STRING	120M LBS.		CONDITION	Rud.

DRILLER: K Richards

WEATHER CONDITIONS: C.L.D.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7737	65		7802		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	625	6"	54	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12:00	12:15	¼	Serv. Rig + B.P's.
12:15	8:00	7 3/4	Drlg 8¾" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.0	9.0	9.0	9.0
VISC.	37	37	37	36
W.L.-C.C.	41	41	42	42
FLTR. CK.	2/32	2/32	2/32	2/32
pH	10	10	10	10
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
78	STANDS DP	FT.	Drilling or Core Bit No.	28
1	SNGLS. DP OD	7110.01 FT.	TYPE	R67X
	D.C.	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 1/16
	RMR BODY OD	FT.	SERIAL No.	20378
	STB BODY OD	FT.	DEPTH IN	7591
1	SUBS OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. Sub	4.12 FT.	FT. DRILLED	278
		FT.	FT. REAMED	
	Kelly Down	35.61 FT.	FT. CORED	
	TOTAL	7869.00 FT.	CUM. HRS. RUN	33
WT OF STRING	171M LBS.		CONDITION	Drlg

DRILLER: Wm Carlson

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7902	67		7869		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	625	6	54	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
8:00	9:15	1 ¼	Drlg 8¾" Hole.
9:15	9:30	¼	Rig Service - BOP ✓
9:30	4:00	6 ½	Drlg 8¾" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.0	9.0	9.0	9.0
VISC.	35	34	37	36
W.L.-C.C.			26	26.2
FLTR. CK.			2/32	2/32
pH	10.	10.0	9.5	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000		
Soda Ash	400#		
Caustic	50#		

Sample Bit Sent Out DMJ 910019 ✓ DMJ 97572 DMJ 2456 DMJ 217943

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
79	STANDS DP	7165.65 FT.	Drilling or Core Bit No.	28
	SNGLS. DP OD	FT.	TYPE	R67X
	D.C.	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 1/16
	RMR BODY OD	FT.	SERIAL No.	20378
	STB BODY OD	FT.	DEPTH IN	7591
1	SUBS OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. Sub	4.12 FT.	FT. DRILLED	327
		FT.	FT. REAMED	
	Kelly Down	25.97 FT.	FT. CORED	
	TOTAL	7918.00 FT.	CUM. HRS. RUN	39½
WT OF STRING	172M LBS.		CONDITION	O.B.

DRILLER: David Hardie

WEATHER CONDITIONS: COLD + CLEAR

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7869	49		7918		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	625	6	54	
PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7895	3/4°							

From	To	Elapsed Time	REMARKS
4:00	4:30	½	DRLG 8¾" HOLE
4:30	5:00	½	SURVEY @ 7870 MISSRUN
5:00	5:15	¼	RIG SERV BOP
5:15	9:15	4	DRLG. 8¾" HOLE
9:15	10:00	¾	SURVEY @ 7895 3/4°
10:00	12:00	2	DRLG. 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.0	9.0	9.0	9.0
VISC.	38	37	37	38
W.L.-C.C.		35	34	36.4
FLTR. CK.		2/32	2/32	2/32
pH	9.0	9.0	9.0	9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000#		
Caustic	100#		

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	7 3/4	7¼	6½
TRIPPING			
RIG MAINTENANCE	1/4	¼	½
RIG REPAIRS			
HOLE SURVEYS			1/4
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	8 SIZE ¼
FEET SLIPPED	1988
FEET CUT OFF	1988
PRESENT LENGTH	3012
TON MI. or TRIPS SINCE LAST CUT	83
CUMULATIVE TON MI. or TRIPS	7511
No. OF DAYS FROM SPUD	46
CUMULATIVE ROTATING HRS.	643 3/4
DAYS SINCE LAST ACCDNT.	45

DRILLER ACCDNT. FREE DAYS

MORNING TOUR	159
DAY TOUR	445
EVENING TOUR	379

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 1971

REPORT No. 46

DATE: MARCH 6 1970

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pac Pet.

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

OPERATOR'S REPRESENTATIVE: [signature]

RIG No.: 16

CONTRACTOR'S TOOL PUSHER: E. Mill

LOCATION: W | LSD. 12 | SEC. 2 | TWP. 62 | RGE. 29 | W. 4

DRILL PIPE STRING No. SIZE: 2 4½

TOOL JOINT: 5 3/4 OD | TYPE THD. FH

DRILL PIPE GRADE: E

WELL NAME: Pac Fish Anderson Lake

No.: A-50

PROVINCE: N.W.T.

PUMPS

No.	MANUFACTURER	TYPE
1.	Oilwell	214 P
2.	Oilwell	214 P.
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	H40	0	788	Const	780	1½% Cal.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	3	7¾	7¼
TRIPPING	3½		
RIG MAINTENANCE	1¼	¼	1¼
RIG REPAIRS			
HOLE SURVEYS			½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	1¼		
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS	1		
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	8 SIZE 1/2
FEET SLIPPED	1984
FEET CUT OFF	1984
PRESENT LENGTH	3188
TON MI. or TRIPS SINCE LAST CUT	83
CUMULATIVE TON MI. or TRIPS	7511
No. OF DAYS FROM SPUD	45
CUMULATIVE ROTATING HRS.	621¾
DAYS SINCE LAST ACCDNT.	44
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	158
DAY TOUR	444
EVENING TOUR	372

FORM D1—1.67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
25	STANDS DP	680863 FT.	Drilling or Core Bit No.	28
3	SNGLS. DP	6091 FT.	TYPE	RG7X
	OD D.C.	FT.	SIZE	8 3/4
24	6 1/4 OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	20378
	STB BODY OD	FT.	DEPTH IN	7591
1	SUBS 6/0 OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. Sub	4.12 FT.	FT. DRILLED	23
		FT.	FT. REAMED	
	Kelly Down	21.00 FT.	FT. CORED	
	TOTAL	7614 FT.	CUM. HRS. RUN	3
WT OF STRING	126M LBS.		CONDITION	Run

DRILLER: K. Richards.

WEATHER CONDITIONS: Cold.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7591	23	7614			45	40-45M

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	6-25	6	54	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12M	12[illegible]	¼	Serv Rig & Bop's.
12[illegible]	1[illegible]	1	Finish Trip out w/ Bit No 27.
1[illegible]	2[illegible]	1	Slip & Cut 98' Drlg Line.
2[illegible]	4[illegible]	2 ½	Trip in w/ Bit No 28 - fill pipe & STO's off Bottom.
4[illegible]	5[illegible]	¼	Clean 12 FT To Bottom.
5[illegible]	8[illegible]	3	Drlg 8¾" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				9.0
VISC.				36
W.L.C.C.				31
FLTR. CK.				2/32
pH				8
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
76	STANDS DP	FT.	Drilling or Core Bit No.	28
1	SNGLS. DP	643034 FT.	TYPE	RG7X
	OD D.C.	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	20378
	STB BODY OD	FT.	DEPTH IN	7591
1	SUBS 6/0 OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. Sub	4.12 FT.	FT. DRILLED	99
		FT.	FT. REAMED	
	Kelly Down	32.33 FT.	FT. CORED	
	TOTAL	7689 FT.	CUM. HRS. RUN	10¾
WT OF STRING	170M LBS.		CONDITION	Drlg

DRILLER: Wm Abbott.

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7664	73		7689		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	625	6	54	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
[illegible]	10[illegible]	2 ½	Drlg 8¾ Hole.
10[illegible]	10[illegible]	¼	Rig Service + BOP.
10[illegible]	4:00	5 ¼	Drlg 8¾ Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.0	9.0		9.0
VISC.	35	37		36
W.L.C.C.		28		29
FLTR. CK.		2/32		2/32
pH	8	9		9.
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000		
Caustic	50#		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
77	STANDS DP	699026 FT.	Drilling or Core Bit No.	28
	SNGLS. DP	FT.	TYPE	RG7X
	OD D.C.	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	20378
	STB BODY OD	FT.	DEPTH IN	7591
1	SUBS 6/0 OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. Sub	4.12 FT.	FT. DRILLED	146
		FT.	FT. REAMED	
	Kelly Down	23.37 2332.00 FT.	FT. CORED	
	TOTAL	7737.00 FT.	CUM. HRS. RUN	18
WT OF STRING	170M LBS.		CONDITION	O.B.

DRILLER: Donald Hardie

WEATHER CONDITIONS: Cold + Clear

BITS SENT OUT (All HW) (X1G-20708) XV21218 (X1G-19406)

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7687	50		7737		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	625	6	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7720	2½°							

From	To	Elapsed Time	REMARKS
4:00	9:15	5 ¼	DRLG 8¾" HOLE
9:15	9:45	½	SURVEY @ 7720 2½°
9:45	10:00	¼	RIG SER. + BOP
10:00	2:00	2	DRLG 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.0	9.0	9.0	9.0
VISC.	36	35	37	38
W.L.C.C.		33		41
FLTR. CK.		2/32		2/32
pH	9	9	10	10
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000#		
CAUSTIC	100#		

Gallons of Diesel Fuel on Hand at 8:00 a.m. 3133

REPORT No. 45

DATE: MARCH 6 / 70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pac Pete

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

OPERATOR'S REPRESENTATIVE: [signature]

CONTRACTOR'S TOOL PUSHER: Tom Cunningham

LOCATION: LSD. W | SEC. 12 | TWP. 62 | RGE. 29 | W. N.

DRILL PIPE STRING No. SIZE: 4½

TOOL JOINT: 5 3/4 OD | TYPE THD. F H

DRILL PIPE GRADE: E

WELL NAME: Pac Pet Cadotte Lake | No. A60 | PROVINCE: N W T

PUMPS

No.	MANUFACTURER	TYPE
1.	Oilwell	214P
2.	Oilwell	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	H40	0	788	Const	780	1½% Calc.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	7 1/2	7 3/4	3 3/4
TRIPPING			2 3/4
RIG MAINTENANCE	1/4	1/4	1/4
RIG REPAIRS			1
HOLE SURVEYS	1/2		1/2
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES 9 SIZE	1/8
FEET SLIPPED	1900
FEET CUT OFF	1700
PRESENT LENGTH	3100
TON MI. or TRIPS SINCE LAST CUT	381
CUMULATIVE TON MI. or TRIPS	7428
No. OF DAYS FROM SPUD	44
CUMULATIVE ROTATING HRS.	589 1/4
DAYS SINCE LAST ACCDNT.	43
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	157
DAY TOUR	443
EVENING TOUR	371

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
74	STANDS DP	7118.33 FT.	Drilling or Core Bit No.	27
1	SNGLS. DP	3005 FT.	TYPE	RG7X
	OD	FT.	SIZE	8 3/4
	D.C.	FT.	NOZZ. SIZE	3 11/16
24	1/4 OD	718.17 FT.	SERIAL No.	4618
	RMR BODY OD	FT.	DEPTH IN	7292
	STB BODY OD	FT.	DEPTH OUT	
1	SUBS 6/0 OD	1.09 FT.	FT. DRILLED	
1	BIT ~~SUB~~ C.B.	4.12 FT.	FT. REAMED	
1	Jun Ksub	3.05 FT.	FT. CORED	
	Kelly Down	12.60 FT.	CUM. HRS. RUN	20 3/4
	TOTAL	7483 FT.	CONDITION	RSW
WT OF STRING		125 LBS.		

DRILLER: K Richards

WEATHER CONDITIONS: C.D.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
7415	72		7487		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	600	6"	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7450	4 7/8°							

From	To	Elapsed Time	REMARKS
12:00	12:15	1/4	SERV R.C. B.P's.
12:15	4:30	4 1/4	DRLG 8 3/4" HOLE.
4:30	5:00	1/2	SURVEY
5:00	8:00	3	DRLG 8 3/4" HOLE.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9	9.0	9.0	9.0
VISC.	36	36	35	35
W.L.-C.C.				
FLTR. CK.				
pH	11	11	10	10
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
75	STANDS DP	6808.63 FT.	Drilling or Core Bit No.	27
	SNGLS. DP	FT.	TYPE	RG7X
	OD	FT.	SIZE	8 3/4
	D.C.	FT.	NOZZ. SIZE	3-11/16
24	6¼ OD	718.17 FT.	SERIAL No.	4618
	RMR BODY OD	FT.	DEPTH IN	7292
	STB BODY OD	FT.	DEPTH OUT	
1	SUBS 6/0 OD	1.09 FT.	FT. DRILLED	266
1	BIT ~~SUB~~ C.B.	4.12 FT.	FT. REAMED	
1	Jun Ksub	3.05 FT.	FT. CORED	
	Kelly Down	22.94 FT.	CUM. HRS. RUN	28 1/4
	TOTAL	7554 FT.	CONDITION	O.B
WT OF STRING		175M LBS.		

DRILLER: Wm Abbott

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
7484	70		7558		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	600	6"	54	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
8:00	10:45	2 3/4	Drlg 8 3/4" Hole
10:45	11:00	1/4	Rig Service TROPV Hydril Closed OK
11:00	4:00	5	Drlg 8 3/4" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.0	9.0	9.0	9.0
VISC.	35	35	35	35
W.L.-C.C.	37	35		37
FLTR. CK.	2/32	1/32		2/32
pH	9.5	8.5	9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000		
CMC	50		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
75	STANDS DP	6808.63 FT.	Drilling or Core Bit No.	27
1	SNGLS. DP	30.43 FT.	TYPE	RG7x
	OD	FT.	SIZE	8 3/4
	D.C.	FT.	NOZZ. SIZE	3 11/16
24	6¼ OD	FT.	SERIAL No.	4618
	RMR BODY OD	FT.	DEPTH IN	7292
	STB BODY OD	FT.	DEPTH OUT	7591
1	SUBS 6/0 OD	1.09 FT.	FT. DRILLED	299
1	BIT OR ~~SUB~~ C.B.	4.12 FT.	FT. REAMED	
1	JUNKSUB	3.05 FT.	FT. CORED	
	Kelly Down	25.51 FT.	CUM. HRS. RUN	32¼
	TOTAL	7591.00 FT.	CONDITION	
WT OF STRING		175M LBS.		

DRILLER: David Hardie

WEATHER CONDITIONS: COLD & CLEAR

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
7558	46		7591		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	600	6	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7565	3½°							

From	To	Elapsed Time	REMARKS
4:00	5:45	1 3/4	DRLG 8 3/4" HOLE
5:45	6:15	1/2	SURVEY @ 7565
6:15	6:30	1/4	RIG SER. + B.O.P.
6:30	8:30	2	DRLG. 8 3/4" HOLE
8:30	9:00	1/2	TRIP OUT W/BIT # 27
9:00	10:00	1	WORK ON BREAK BANDS
10:00	12:00	2	TRIP OUT

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.0	9.0		
VISC.	36	36	Trip	
W.L.-C.C.	32	33		
FLTR. CK.	2/32	3/32		
pH	9.0	9.0		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1500 #		
C.M.C.	50 #		
Coustic	50 #		

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 3445

REPORT No. 44.

DATE: March 4. 1970

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Dpc Pcti

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

OPERATOR'S REPRESENTATIVE: K. Olson

CONTRACTOR'S TOOL PUSHER: Jan Canning Wm.

RIG No.: 16

LOCATION: LSD. W — SEC. 33 — TWP. 62° — RGE. 29' — W. N

DRILL PIPE STRING No. SIZE: 3 — 4½

TOOL JOINT: 5¾ OD — TYPE THD. FH

DRILL PIPE GRADE: E

WELL NAME: Dpc Imp Cadsen Lake — No. A-50 — PROVINCE: N.W.T.

PUMPS

No.	MANUFACTURER	TYPE
1.	Oilwell	214P
2.	Oilwell	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H40	6	788	Const	780	1¼ 37° Cal.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	2½	6¼	7¾
TRIPPING	4¾	1	
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS	½		½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS		½	
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.

No. OF LINES 8 SIZE 1¼

FEET SLIPPED 1900

FEET CUT OFF 1900

PRESENT LENGTH 3100

TON MI. or TRIPS SINCE LAST CUT 163

CUMULATIVE TON MI. or TRIPS 7310

No. OF DAYS FROM SPUD 43

CUMULATIVE ROTATING HRS. 585

DAYS SINCE LAST ACCDNT. 42

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 156

DAY TOUR 442

EVENING TOUR 370

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
22	STANDS DP	6939.09 FT.	Drilling or Core Bit No.	26	27
	SNGLS. DP	FT.	TYPE	RG7X	RG7X
	OD D.C.	FT.	SIZE	8¾	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3-11/16	3-11/16
	RMR BODY OD	FT.	SERIAL No.	4929	4618
	STB BODY OD	FT.	DEPTH IN	7035	7292
1	SUBS 6 OD	1.09 FT.	DEPTH OUT	7292	
1	BIT OR C.B. SUB	4.12 FT.	FT. DRILLED	257	
1	Junk Sub	3.05 FT.	FT. REAMED		
	Kelly Down	32.00 FT.	FT. CORED		
	TOTAL	7292 FT.	CUM. HRS. RUN	[illegible]	
WT OF STRING		162 LBS.	CONDITION	B-B-1	

DRILLER K. Richards.

WEATHER CONDITIONS Cold

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7268	24		7292		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	600	6"	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7292	5¾							

From	To	Elapsed Time		REMARKS
12:00	12:15		¼	Rig Serv + BOP's.
12:15	2:00	2	¼	Drlg 8¾" Hole.
2:00	3:00	½	¼	Drop Survey + Blow Kelly.
3:15	6:15	3		Trip out w/ Bit No 26
6:15	8:00	1	¾	Make up Junk Sub + Bit No 27 - Trip in.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9			
VISC.	36			
W.L.-C.C.				
FLTR. CK.				
pH	11			
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soda Ash	300#		

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
22	STANDS DP	6567.76 FT.	Drilling or Core Bit No.	27
1	SNGLS. DP	FT.	TYPE	RG7X
	OD D.C.	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3-1/16
	RMR BODY OD	FT.	SERIAL No.	4614
	STB BODY OD	FT.	DEPTH IN	7292
1	SUBS 6 OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. SUB	4.12 FT.	FT. DRILLED	68
1	Junk Sub	3.05 FT.	FT. REAMED	
	Kelly Down	35.84 FT.	FT. CORED	
	TOTAL	7360 FT.	CUM. HRS. RUN	6¼
WT OF STRING		170 LBS.	CONDITION	Drlg

DRILLER Wm Abbots.

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7292	68		7360		35	35

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	600	6"	54	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time		REMARKS
6:00	9:00	1		Finishing w/ Bit No 27.
9:00	9:15		¼	Rig Service + BOP
9:15	9:45		½	Work Junk Sub.
9:15	4:00	6	¼	Drlg 8¾ hole.
				D & O/A STAND BY
				2 D&B9 and BROCK Power Saws.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9	8.9	8.9	8.9
VISC.	37	3.7	36	36
W.L.-C.C.				
FLTR. CK.				
pH	P.	9.5	11.0	11.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	200		
Soda Ash	700		
Gel.	2000		
Lignex	200		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
23	STANDS DP	6627.99 FT.	Drilling or Core Bit No.	27
1	SNGLS. DP	29.33 FT.	TYPE	RG7X
	OD D.C.	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3-1/16
	RMR BODY OD	FT.	SERIAL No.	4618
	STB BODY OD	FT.	DEPTH IN	7292
1	SUBS 6 OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. SUB	4.12 FT.	FT. DRILLED	123
1	Junk Sub	3.05 FT.	FT. REAMED	
	Kelly Down	31.25 FT.	FT. CORED	
	TOTAL	7515.00 FT.	CUM. HRS. RUN	13½
WT OF STRING		172M LBS.	CONDITION	O.B.

DRILLER David Hardie

WEATHER CONDITIONS COLD + CLEAR

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7360	45		7415		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	600	6	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7355	5½°							

From	To	Elapsed Time		REMARKS
9:00	4:30		½	SURVEY @ 7355
4:30	4:45		¼	RIGSER + B.O.P
4:45	12:00	7	¾	DRLG. 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.0	9.0	9.0	9.0
VISC.	36	38	38	37
W.L.-C.C.				26.2 2/32
FLTR. CK.				
pH	11	10.5	10.5	10.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000 #		
Soda Ash	200 #		
C.M.C.	100 #		

FORM D!—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 12.24

REPORT No. 43

DATE: March 3 / 70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pac Pet.

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

OPERATOR'S REPRESENTATIVE: K. McCan

CONTRACTOR'S TOOL PUSHER: Tom Lanning Sr.

LOCATION: LSD. W 155 SEC. 2 TWP. 62 RGE. 29 W. N

WELL NAME: Pac Pet N Cranberry Lake No. A-50

PROVINCE: N.W.T.

RIG No. 16

DRILL PIPE STRING No. SIZE: 2 4½

TOOL JOINT: 5 3/4 OD TYPE THD. FH

DRILL PIPE GRADE: E

PUMPS

No.	MANUFACTURER	TYPE
1.	Oil Well	214P
2.	Oil Well	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	H40	0	288	Const	280	1% CaCl

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	6 3/4	6 1/2	7 1/4
TRIPPING			
RIG MAINTENANCE	1/4	1/4	1/4
RIG REPAIRS			
HOLE SURVEYS	1	1/4	1/2
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.

No. OF LINES 46 SIZE 1 1/4

FEET SLIPPED 1900

FEET CUT OFF 1900

PRESENT LENGTH 3100

TON MI. or TRIPS SINCE LAST CUT 74

CUMULATIVE TON MI. or TRIPS 7191

No. OF DAYS FROM SPUD 42

CUMULATIVE ROTATING HRS. 573½

DAYS SINCE LAST ACCDNT. 41

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 155

DAY TOUR 141

EVENING TOUR 369

FORM D1—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
20	STANDS DP	6354.47 FT.	Drilling or Core Bit No.	26
	SNGLS. DP	FT.	TYPE	RC7X
	D.C. OD	FT.	SIZE	8 3/4
24	6 1/4 OD	718.17 FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD	FT.	SERIAL No.	4929
	STB BODY OD	FT.	DEPTH IN	7035
1	SUBS % OD	1.09 FT.	DEPTH OUT	
1	BIT ~~SR~~ C.B.	4.12 FT.	FT. DRILLED	77
		FT.	FT. REAMED	
	Kelly Down	34.00 FT.	FT. CORED	
	TOTAL	7102.66 FT.	CUM. HRS. RUN	68
WT OF STRING		165M LBS.	CONDITION	Run.

DRILLER Kaye Richards.

WEATHER CONDITIONS Cold

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7043	69		7112		45	25-35-40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	625	6"	54	6 3/4
PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7050	6 3/4		7080	6 3/4				

From	To	Elapsed Time		REMARKS
12:00	12:15		1/4	Serv. R.C. & BOP's.
12:15	1:30	1	1/4	DRLG 8¾" Hole -25m on Bit 45 Rpm Avg- 6' per Hr.
1:30	2:00		1/2	Survey at 7050
2:00	5:00	3		DRLG 8¾" Hole w 35m on Bit 45 Rpm - Avg- 10' per Hr.
5:00	5:30		1/2	Survey at 7080
5:30	8:00	2	1/2	DRLG 8¾" Hole w 40m on Bit 45 Rpm Avg- 13' per Hr.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9	8.9	8.9	9
VISC.	36	36	36	35
W.L.-C.C.				
FLTR. CK.				
pH	11	11	10	9
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SODA ASH	500#		

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
71	STANDS DP	6445.86 FT.	Drilling or Core Bit No.	26
	SNGLS. DP	FT.	TYPE	RC7X
	D.C. OD	FT.	SIZE	8 3/4
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD	FT.	SERIAL No.	4929
	STB BODY OD	FT.	DEPTH IN	7035
1	SUBS % OD	1.09 FT.	DEPTH OUT	
1	BIT ~~SR~~ C.B.	4.12 FT.	FT. DRILLED	257
		FT.	FT. REAMED	
	Kelly Down	24.76 FT.	FT. CORED	
	TOTAL	7292 FT.	CUM. HRS. RUN	14½
WT OF STRING		165M LBS.	CONDITION	Drlg

DRILLER W. Andrews.

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7112	90		7292		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	625	5½	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7114	6°		7144	6°				

From	To	Elapsed Time		REMARKS
8:00	8:15		1/4	T.I.L. 8¾ Hole.
8:15	8:30		1/4	R.S. Service BOP's
8:30	9:00		1/2	Survey @ 7114 - 6°
9:00	11:00	2		Drlg 8¾ Hole.
11:00	11:15		3/4	Survey @ 7144 - 6°
11:45	4:00	4	1/4	Drlg 8¾ Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9	8.9	8.9	8.9
VISC.	35	36	35	35
W.L.-C.C.				
FLTR. CK.				
pH	8	8.5	9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2000		
Caustic	150		
Soda Ash	200		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
72	STANDS DP	6537.07 FT.	Drilling or Core Bit No.	26
	SNGLS. DP	FT.	TYPE	RC7X
	D.C. OD	FT.	SIZE	8 3/4
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 3/16
	RMR BODY OD	FT.	SERIAL No.	4929
	STB BODY OD	FT.	DEPTH IN	7035
1	SUBS % OD	1.09 FT.	DEPTH OUT	
1	BIT ~~SR~~ C.B.	4.12 FT.	FT. DRILLED	233
		FT.	FT. REAMED	
	Kelly Down	7.95 FT.	FT. CORED	
	TOTAL	7268.00 FT.	CUM. HRS. RUN	20¼
WT OF STRING		168M LBS.	CONDITION	O.B

DRILLER David Hardie

WEATHER CONDITIONS Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
7192	76		7268		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	600	6	53	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7200	5 7/8°							

From	To	Elapsed Time		REMARKS
4:00	5:00	1		DRLG. 8¾" HOLE
5:00	5:30		1/2	SURVEY @ 7200 - 5 7/8°
5:30	5:45		1/4	RIG SER. & B.O.P
5:45	12:00	6	1/4	DRLG 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.9	9.0	9.0
VISC.	37	37	37	37
W.L.-C.C.				
FLTR. CK.				
pH	9.5	9.5	10.	10
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1500#		
Soda Ash	700#		
CAUSTIC	50#		

Gallons of Diesel Fuel on Hand at 8:00 a.m. 2985

REPORT No. 42

DATE: March 2 1970

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Pet.

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

OPERATOR'S REPRESENTATIVE: L. Gilson

RIG No.: 16

LOCATION: LSD. W 123 SEC. 2 TWP. 62 RGE. 29 W. N.

DRILL PIPE STRING No. SIZE: 2 4½

TOOL JOINT: 5¾ OD; TYPE THD. FH

DRILL PIPE GRADE: E

CONTRACTOR'S TOOL PUSHER: Tom Cumming Jan

WELL NAME: Pacific ET Al Conlan Lake No. A-50

PROVINCE: N W T

PUMPS No.	MANUFACTURER	TYPE
1.	Oil Well	214-P
2.	Oil Well	214-P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	J-40	0	288	Const	280	1½% CaCl

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	11¼	5½	1¼
TRIPPING	6½	1	5
RIG MAINTENANCE	1¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS	1¼	1¼	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	1 3¼		1½
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			1
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			8

WIRE LINE RECORD

REEL No.

No. OF LINES 8 SIZE 1⅛

FEET SLIPPED 1900

FEET CUT OFF 1900

PRESENT LENGTH 3105

TON MI. or TRIPS SINCE LAST CUT 74

CUMULATIVE TON MI. or TRIPS 7121

No. OF DAYS FROM SPUD 42

CUMULATIVE ROTATING HRS. 549¼

DAYS SINCE LAST ACCDNT. 40

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 8154

DAY TOUR 440

EVENING TOUR 368

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD		
69	STANDS DP	6263.26 FT.	Drilling or Core Bit No.	24	25
	SNGLS. DP	FT.	TYPE	XSSR	DMJ
	OD	FT.	SIZE	8¾	8¾
	D.C.	FT.	NOZZ. SIZE	3-11/16	3-11/16
24	6¼ OD	718.17 FT.	SERIAL No.	15190	19441
	RMR BODY OD	FT.	DEPTH IN	6613	7003
	STB BODY OD	FT.	DEPTH OUT	7003	
1	SUBS ⅚ OD	1.09 FT.	FT. DRILLED	391	
1	BIT OR C.B. SUB	4.12 FT.	FT. REAMED		17
1	J SUB	3.05 FT.	FT. CORED		
	Kelly Down	12.36 FT.	CUM. HRS. RUN	35 3¼	
	TOTAL	7003. FT.	CONDITION	880	
WT OF STRING	167M LBS.				

DRILLER K Richards.

WEATHER CONDITIONS Fair.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
7002	1		7003			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	625	6"	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7000	7⅞°							

From	To	Elapsed Time	REMARKS
1200	1215	¼	Serv. R.G.
1215	1230	¼	Drlg 8¾" Hole.
1230	1245	¼	Drop Survey
1245	315	2½	Trip out w/ Bit No 24
315	615	3	Pick up Junk Sub make up Bit No 25 & Trip in.
615	700	1	Break Circ & Ream undergauge Hole - 17' To Bottom

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				8.8
VISC.				36
W.L.-C.C.				
FLTR. CK.				
pH				11
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD		
69	STANDS DP	6263.26 FT.	Drilling or Core Bit No.	25	
1	SNGLS. DP	30.04 FT.	TYPE	DMJ	
	OD	FT.	SIZE	8¾	
	D.C.	FT.	NOZZ. SIZE	3-11/16	
24	6¼ OD	718.17 FT.	SERIAL No.	69441	
	RMR BODY OD	FT.	DEPTH IN	7003	
	STB BODY OD	FT.	DEPTH OUT		
1	SUBS ⅚ OD	1.09 FT.	FT. DRILLED	32.	
1	BIT OR C.B. SUB	4.11 FT.	FT. REAMED		
1	Junk Sub	3.05 FT.	FT. CORED		
	Kelly Down	16.27 FT.	CUM. HRS. RUN	5½	
	TOTAL	7035 FT.	CONDITION		
WT OF STRING	167M LBS.				

DRILLER Wm Aitken.

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
7002	32		7035		36	36/45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	600	6	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7022	6⅞		7035	6¼°				

From	To	Elapsed Time	REMARKS
800	815	¼	Rig Service - BOP
815	1130	3¼	Drlg 8¾ Hole 36" WT 36 RPM. 45".
1130	1230	1	Survey @ 7027 - 7° 1 Mi. Sr. un.
1230	245	2¼	Drlg 8¾ Hole 45" WT 36 RPM.
245	300	¼	Drop Survey
300	400	1	Hoist w/ Bit. No 25.

D-8 Cat On Standby Base Stabilizer Returned To Ft Nelson

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9	9.4		
VISC.	37	36		
W.L.-C.C.				
FLTR. CK.				
pH	11.	11.		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soda Ash	200		
Gel	1000		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD			
69	STANDS DP	6263.26 FT.	Drilling or Core Bit No.	25	26	
1	SNGLS. DP	30.04 FT.	TYPE	DMJ	RG7X	
	OD	FT.	SIZE	8¾	8¾	
	D.C.	FT.	NOZZ. SIZE	3-11/16	3-11/16	
26	6¼ OD	718.17 FT.	SERIAL No.	69441	49291	
	RMR BODY OD	FT.	DEPTH IN	7003	7035	
	STB BODY OD	FT.	DEPTH OUT	7035		
1	SUBS ⅚ OD	1.09 FT.	FT. DRILLED	32	8	
1	BIT OR C.B. SUB	4.12 FT.	FT. REAMED	17		
		FT.	FT. CORED			
	Kelly Down	36.32 FT.	CUM. HRS. RUN	5½	1¼	
	TOTAL	7043.00 FT.	CONDITION	6-2-1	O.B.	
WT OF STRING	167M LBS.					

DRILLER David Hardie

WEATHER CONDITIONS Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
7035	8		7043		45	25

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	600	6	53	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
400	630	2½	TRIP OUT W/BIT # 25
630	645	¼	RIG SER & B.O.P.
645	745	1	CUT & SLIP 88' OFF DRILLING LINE
745	1015	2½	TRIP IN W/ BIT # 26
1015	1045	½	BREAK CIRC.
1045	1200	1¼	DRLG. 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				8.9
VISC.	TRIP			38
W.L.-C.C.				
FLTR. CK.				
pH				9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soda Ash	100#		

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 3:00 a.m. 3691.

REPORT No. 42

DATE: March 1/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETR.
CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.
RIG No.: 16
OPERATOR'S REPRESENTATIVE: L. Moore
CONTRACTOR'S TOOL PUSHER: Tom Cumming Jun.

LOCATION: LSD. — SEC. — TWP. 123° 2' — RGE. 62° 29' W. — N
WELL NAME: PACIFIC ETAL CARSON LAKE — No. A-5-0 — PROVINCE N.W.T.

DRILL PIPE STRING No. SIZE: 2 4½
TOOL JOINT: 6 3/4 OD — TYPE THD. FH
DRILL PIPE GRADE: E

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214-P
2.	OILWELL	214-P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H-40	0	788	CONST.	780	1½% CACL2

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	6¾	13 1/4	7½
TRIPPING			
RIG MAINTENANCE	¼	¼	
RIG REPAIRS			
HOLE SURVEYS	1	1	½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	8 SIZE 1⅛
FEET SLIPPED	1912
FEET CUT OFF	1912
PRESENT LENGTH	3088
TON MI. or TRIPS SINCE LAST CUT	94
CUMULATIVE TON MI. or TRIPS	4772
No. OF DAYS FROM SPUD	41
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	39

DRILLER ACCDNT. FREE DAYS

MORNING TOUR	367
DAY TOUR	133
EVENING TOUR	439

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
68	STANDS DP	6172.89 FT.	Drilling or Core Bit No.	24
	SNGLS. DP	FT.	TYPE	X55R
	D.C. OD	FT.	SIZE	8 3/4
24	6 1/4 OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	15190
	STB BODY OD	FT.	DEPTH IN	6613
1	SUBS 6 OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. SUB	4.12 FT.	FT. DRILLED	309
		FT.	FT. REAMED	
	Kelly Down	25.73 FT.	FT. CORED	
	TOTAL	6922.00 FT.	CUM. HRS. RUN	21¼
	WT OF STRING	162M LBS.	CONDITION	O.R

DRILLER: David Hardie
WEATHER CONDITIONS: MILD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
6868	54		6922		45/50 / 55	45/40 / 35

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	600	6	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6864'	5°		6895'	6°				

From	To	Elapsed Time	REMARKS
12:00	12:30	½	DRLG. 8¾" HOLE
12:30	1:00	½	SURVEY @ 6865' 5°
1:00	1:15	¼	RIG SER. + B.O.P.
1:15	4:45	3½	DRLG. 8¾" HOLE
4:45	5:15	½	SURVEY @ 6895' 6°
5:15	8:00	2¾	DRLG 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9	8.9	8.9	8.9
VISC.	38	37	38	37
W.L.-C.C.			7/32	7/32
FLTR. CK.			50+	50+
pH	9.5	9.5	9.5	9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
2	STANDS DP	6172.89 FT.	Drilling or Core Bit No.	24
	SNGLS. DP	6.06 FT.	TYPE	X55R
	D.C. OD	FT.	SIZE	8 3/4
24	6 1/4 OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	15190
	STB BODY OD	FT.	DEPTH IN	6613
1	SUBS 6 OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. SUB	4.12 FT.	FT. DRILLED	355
		FT.	FT. REAMED	
	Kelly Down	12.60 FT.	FT. CORED	
	TOTAL	6918 FT.	CUM. HRS. RUN	28
	WT OF STRING	165M LBS.	CONDITION	RUN

DRILLER: L. Richards
WEATHER CONDITIONS: STORMY. WIND & SNOW.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
6922	46		6968		45-60	30-35

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	625	6"	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6925	6 1/4°		6955'	7°				

From	To	Elapsed Time	REMARKS
8pm	8:15	¼	SERV. R.G. + BOP
8:15	9:30	1 1/4	DRLG 8 3/4" Hole 1/35" on BIT 50 RPM.
9:30	10:00	½	SURVEY AT 6925'
10:00	2:15	4 ¼	DRLG 8 3/4" Hole 30" on BIT 60 RPM
2:15	2:45	½	SURVEY AT 6955'
2:45	4:00	1 1/4	DRLG 8 3/4 Hole 10" on BIT 60 RPM

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9	8.9	8.9	8.9
VISC.	36	35	35	34
W.L.-C.C.				
FLTR. CK.				
pH			11	11
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soda Ash	200#		
Caustic	100#		
Gel	2000#		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
69	STANDS DP	626326 FT.	Drilling or Core Bit No.	24
	SNGLS. DP	FT.	TYPE	X55R
	D.C. OD	FT.	SIZE	8 3/4
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 - 11/16
	RMR BODY OD	FT.	SERIAL No.	15190
	STB BODY OD	FT.	DEPTH IN	6613
1	SUBS 6 OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. SUB	4.12 FT.	FT. DRILLED	390
		FT.	FT. REAMED	
	Kelly Down	1536 FT.	FT. CORED	
	TOTAL	7002 FT.	CUM. HRS. RUN	35½
	WT OF STRING	166M LBS.	CONDITION	Drlg

DRILLER: Wm Alabastr.
WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
6968	34		7002		60	10

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	625	6"	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6990	6 3/4°							

From	To	Elapsed Time	REMARKS
4:00	8:45	4 ¾	Drlg 8¾ Hole Controlled WT 10m RPM 60
8:45	9:15	½	Survey @ 6990
9:15	12:00	2 ¾	Drlg 8¾ Hole Controlled.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9	8.9	8.9	8.9
VISC.	37	36	37	39
W.L.-C.C.				45
FLTR. CK.				
pH	10.5	11.	11.	11.
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soda Ash	500#		
Caustic	200#		
GEL	2000#		

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 2600

REPORT No. 41

DATE: FEB. 28/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETE

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

LOCATION: LSD. W 1/2 3° SEC. 2' TWP. 62° RGE. 29' W. N

WELL NAME: PACIFIC ETAL CARLSON LAKE No. A-50

PROVINCE: N.W.T.

DRILL PIPE STRING No. SIZE: 4½

TOOL JOINT: 5¾ OD TYPE THD. FH

DRILL PIPE GRADE: E

OPERATOR'S REPRESENTATIVE: D. Carr.

CONTRACTOR'S TOOL PUSHER: [illegible] Cumming Jun.

PUMPS		
No.	MANUFACTURER	TYPE
1.	OILWELL	214-P
2.	OILWELL	214-P
3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	5¾	H-40	0	788	CONST.	780	1½% CACl

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	1	7¾	¼
TRIPPING	5½		
RIG MAINTENANCE	¼	1¼	¾
RIG REPAIRS	¥		
HOLE SURVEYS	¼		½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		½	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS	1		
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8		8

WIRE LINE RECORD

REEL No.

No. OF LINES 8 SIZE 1⅛

FEET SLIPPED 1912

FEET CUT OFF 1912

PRESENT LENGTH 3088

TON MI. or TRIPS SINCE LAST CUT 94

CUMULATIVE TON MI. or TRIPS 6727

No. OF DAYS FROM SPUD HD

CUMULATIVE ROTATING HRS. 521½

DAYS SINCE LAST ACCDNT. 38

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 366

DAY TOUR 152

EVENING TOUR 438

FORM D1—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
64	STANDS DP	FT.	Drilling or Core Bit No.	23	24
2	SNGLS. DP	5872.30 FT.	TYPE	488	X55R
	D.C. OD	FT.	SIZE	8¾	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16	3 11/16
	RMR BODY OD	FT.	SERIAL No.	263970	15190
	STB BODY OD	FT.	DEPTH IN	6048	6613
1	SUBS 5/0 OD	1.09 FT.	DEPTH OUT	6613	
1	BIT OR C.B. SDS	4.12 FT.	FT. DRILLED	565	
		FT.	FT. REAMED		
	Kelly Down	19.31 FT.	FT. CORED		
	TOTAL	6605.00 FT.	CUM. HRS. RUN	43¾	
WT OF STRING	156M LBS.		CONDITION	T51	

DRILLER David Hardie

WEATHER CONDITIONS MILD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
6605'	B		6613		45	45	PUMP No. 1	625	6	54	
							PUMP No. 2				

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	6600	3°							

From	To	Elapsed Time		REMARKS
12:00	1:00	1		DRLG. 8¾" HOLE
1:00	1:15		¼	DROP SURVEY @ 6600 3°
1:15	4:30	3	¾	TRIP OUT W/BIT #23
4:30	4:45		¼	RIG SER. & B.O.P.
4:45	5:45	1		CUT & SLIP 88' OF DRLG. LINE
5:45	8:00	2	¼	TRIP IN W/BIT #24

MUD RECORD				
TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8			
VISC.	40		Trip	
W.L.-C.C.				
FLTR. CK.				
pH	8.5			
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
66	STANDS DP	5991.23 FT.	Drilling or Core Bit No.	24
	SNGLS. DP	FT.	TYPE	X55R
	D.C. OD	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	15190
	STB BODY OD	FT.	DEPTH IN	6613
1	SUBS 5/0 OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. SDS	4.12 FT.	FT. DRILLED	127
		FT.	FT. REAMED	
	Kelly Down	23.00 FT.	FT. CORED	
	TOTAL	6640 FT.	CUM. HRS. RUN	7¼
WT OF STRING	160M LBS.		CONDITION	Rod.

DRILLER L. Richards

WEATHER CONDITIONS FAIR.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
6613	127		6640		45	45	PUMP No. 1	600	6"	54	
							PUMP No. 2				

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

From	To	Elapsed Time		REMARKS
8:00	8:15		¼	Serv. Rig. Close pipe Rams "OK"
8:15	8:45		½	Blow Kelly. Break Circ.
8:45	4:00	7	¼	Drlg 8¾" Hole

MUD RECORD				
TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	8.8	
VISC.	39	38	37	
W.L.-C.C.			30+	
FLTR. CK.			2/32	
pH			8	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
67	STANDS DP	FT.	Drilling or Core Bit No.	24
1	SNGLS. DP	6111.23 FT.	TYPE	X55R
	D.C. OD	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD	FT.	SERIAL No.	15190
	STB BODY OD	FT.	DEPTH IN	6613
1	SUBS 5/0 OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. SDS	4.12 FT.	FT. DRILLED	255
		FT.	FT. REAMED	
	Kelly Down	33.39 FT.	FT. CORED	
	TOTAL	6868 FT.	CUM. HRS. RUN	14½
WT OF STRING	161M LBS.		CONDITION	Drlg.

DRILLER [illegible]

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
6640	128		6868		45	45	PUMP No. 1	600	6"	54	
							PUMP No. 2				

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	6750	3½°							

From	To	Elapsed Time		REMARKS
4:00	4:45		¾	Drlg 8¾ Hole
4:45	5:00		¼	R.S. Service BOP
5:00	5:30		½	Survey @ 6750
5:30	12:00	6	½	Drlg 8¾ Hole.

MUD RECORD				
TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	8.8	8.9
VISC.	38	37	39	37
W.L.-C.C.		38		40+
FLTR. CK.		2/32		2/32
pH	8.0	8.5	9.5	9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	200#		

Gallons of Diesel Fuel on Hand at 8:00 a.m. 3837 Gal

REPORT No. 40

DATE: FEB. 27/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETE

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

OPERATOR'S REPRESENTATIVE:

CONTRACTOR'S TOOL PUSHER: Jim Cunningham

LOCATION: LSD. W 123° SEC. 2' TWP. 62° RGE. 29' W. N

WELL NAME: PACIFIC ETAL CARLSON LAKE No. A-50

PROVINCE: N.W.T.

DRILL PIPE STRING: No. 2 SIZE 4½

TOOL JOINT: 5¾ OD TYPE THD. FH

DRILL PIPE GRADE: E

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214-P
2.	OILWELL	214-P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H-40	0	788	CONST	740	1½% CACL₂

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	7¼	7½	7¼
TRIPPING			
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS	½	½	½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.

No. OF LINES 8 SIZE ⅛

FEET SLIPPED 1824

FEET CUT OFF 1824

PRESENT LENGTH 3176

TON MI. or TRIPS SINCE LAST CUT 200

CUMULATIVE TON MI. or TRIPS 6543

No. OF DAYS FROM SPUD 39

CUMULATIVE ROTATING HRS. 506

DAYS SINCE LAST ACCDNT. 37

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 365

DAY TOUR 151

EVENING TOUR 437

FORM DI—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
62	STANDS DP	5626.36 FT.	Drilling or Core Bit No.	23
	SNGLS. DP	FT.	TYPE	H88
	OD D.C.	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	263970
	STB BODY OD	FT.	DEPTH IN	6048
1	SUBS % OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. Sub	4.12 FT.	FT. DRILLED	324
		FT.	FT. REAMED	
	Kelly Down	22.26 FT.	FT. CORED	
	TOTAL	6372.00 FT.	CUM. HRS. RUN	27¾
	WT OF STRING	156M LBS.	CONDITION	O.B.

DRILLER: David Hardie

WEATHER CONDITIONS: MILD & SNOWING

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6288	94		6372		45	45

	PUMP No. 1	PUMP No. 2
PUMP PRESS.	600	
LINER SIZE	6	5½
S.P.M.	54	
HRS. RUN		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6290	3½°							

From	To	Elapsed Time	REMARKS
12:00	12:30	½	DRLG. 8¾" HOLE
12:30	1:00	½	SURVEY @ 6290 3½°
1:00	1:15	¼	RIG SER. + B.O.P.
1:15	7:00	6	¾ DRLG. 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	8.8	8.8
VISC.	39	40	39	39
W.L.-C.C.			2.7	
FLTR. CK.			2/32	
pH	9.0	9.0	9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
63	STANDS DP	5718.53 FT.	Drilling or Core Bit No.	23
	SNGLS. DP	FT.	TYPE	H88
	OD D.C.	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD	FT.	SERIAL No.	263970
	STB BODY OD	FT.	DEPTH IN	6048
1	SUBS % OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. Sub	4.12 FT.	FT. DRILLED	434
		FT.	FT. REAMED	
	Kelly Down	40.00 FT.	FT. CORED	
	TOTAL	6482 FT.	CUM. HRS. RUN	35
	WT OF STRING	155M LBS.	CONDITION	Run.

DRILLER: K Richards.

WEATHER CONDITIONS: Wind & Snow.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6372	110		6482		45	45

	PUMP No. 1	PUMP No. 2
PUMP PRESS.	625	
LINER SIZE	6"	
S.P.M.	54	
HRS. RUN		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6390	3¼°							

From	To	Elapsed Time	REMARKS
8:00	9:15	1¼	SERV R.C. + close HYDRIL "OK"
9:15	9:30	1 ¼	DRLG 8¾" Hole.
9:30	10:00	½	Survey
10:00	4:00	6	DRLG 8¾ Hole.

D-8 CAT WORKING ON FLOODING CREEKS
1 MAN WORKING ON BRUSH PILES WITH POWER SAWS.
SENT 3-12¼" S.E.C. BITS TO FT NELSON ON W.S.C.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.7	8.7	8.7	8.7
VISC.	38	38	37	37
W.L.-C.C.			2.4	
FLTR. CK.			2/32	
pH			8.5	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
64	STANDS DP	FT.	Drilling or Core Bit No.	23
1	SNGLS. DP	5841.80 FT.	TYPE	H88
	OD D.C.	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD	FT.	SERIAL No.	263970
	STB BODY OD	FT.	DEPTH IN	6048
1	SUBS % OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. Sub	4.12 FT.	FT. DRILLED	557
		FT.	FT. REAMED	
	Kelly Down	40.24 FT.	FT. CORED	
	TOTAL	6606.42 FT.	CUM. HRS. RUN	42¼
	WT OF STRING	156M LBS.	CONDITION	Drlg

DRILLER: Wm Chilcott.

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
6482	123		6605		45	45

	PUMP No. 1	PUMP No. 2
PUMP PRESS.	625	
LINER SIZE	6"	
S.P.M.	54	
HRS. RUN		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6480	3¼							

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	Rig Service BOP ✓
4:15	4:45	½	Survey @ 6480 - 3¼°
4:45	12:00	7 ¼	Drlg 8¾ Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.7	8.7	8.7	8.7
VISC.	35	35	36	37
W.L.-C.C.		34		28
FLTR. CK.		2/32		2/32
pH		8.5	9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000		
Caustic	100		

Gallons of Diesel Fuel on Hand at 8:00 a.m. 2790

REPORT No. 39

DATE: FEB. 26/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETE.

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

OPERATOR'S REPRESENTATIVE:

CONTRACTOR'S TOOL PUSHER: Tom Cumming Sam.

LOCATION: LSD. W | SEC. 123° | TWP. 2' | RGE. 62° | W. 29' | N

WELL NAME: PACIFIC ETAL GARLSON LAKE | No. A-50 | PROVINCE N.W.T.

RIG No. 16 | DRILL PIPE STRING No. SIZE 2 4½ | TOOL JOINT $ 3¾ OD | TYPE THD. FH | DRILL PIPE GRADE E

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	OILWELL	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13¾	H-40	0	788	CONST.	780	1½% CACL²

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	5½	7¼	7¾
TRIPPING	2¼		
RIG MAINTENANCE	¼	¼	
RIG REPAIRS			
HOLE SURVEYS		½	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	4

WIRE LINE RECORD

REEL No.	
No. OF LINES	8 SIZE 1¼
FEET SLIPPED	1824
FEET CUT OFF	1824
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	200
CUMULATIVE TON MI. or TRIPS	6543
No. OF DAYS FROM SPUD	38
CUMULATIVE ROTATING HRS.	504¼
DAYS SINCE LAST ACCDNT.	36
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	364
DAY TOUR	150
EVENING TOUR	436

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
59	STANDS DP	5353.68 FT.	Drilling or Core Bit No.	23
	SNGLS. DP	FT.	TYPE	H88
	D.C. OD	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	263970
	STB BODY OD	FT.	DEPTH IN	6048
1	SUBS OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B.	4.12 FT.	FT. DRILLED	49
		FT.	FT. REAMED	
	Kelly Down	19.94 FT.	FT. CORED	
	TOTAL	6097.00 FT.	CUM. HRS. RUN	5 ½
WT OF STRING		152 LBS.	CONDITION	O.B.

DRILLER: David Hardie

WEATHER CONDITIONS: MILD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
6048	49		6097		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	475	6	54	
PUMP No. 2		5½		

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12:00	2:15	2 ¼	TRIP IN W/BIT #22
2:15	2:30	¼	RIG SER. & B.O.P.
2:30	8:00	5 ½	DRLG. 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	8.8	8.8
VISC.	40	39	39	40
W.L.-C.C.			22.6	
FLTR. CK.			2/32	
pH	9.5	9.5	9.5	9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
60	STANDS DP	5434.39 FT.	Drilling or Core Bit No.	23
	SNGLS. DP	FT.	TYPE	H88
	D.C. OD	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	263970
	STB BODY OD	FT.	DEPTH IN	6048
1	SUBS OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B.	4.12 FT.	FT. DRILLED	139
		FT.	FT. REAMED	
	Kelly Down	19.60 FT.	FT. CORED	
	TOTAL	6187 FT.	CUM. HRS. RUN	12 ¾
WT OF STRING		153 LBS.	CONDITION	Rud.

DRILLER: K Richards.

WEATHER CONDITIONS: Mild.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
6097	90		6187		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	475	6"	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6170 ÷	3°							

From	To	Elapsed Time	REMARKS
8:00	8:15	¼	SERV R.G - close pipe Rams "OK"
8:15	2:30	5 ¼	DRLG 8¾" Hole.
2:30	3:00	½	SURVEY
3:00	4:00	1	DRLG 8¾" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	8.8	8.8
VISC.	40	38	38	39
W.L.-C.C.				25
FLTR. CK.				2/32
pH				9
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
61	STANDS DP	5534.38 FT.	Drilling or Core Bit No.	23
	SNGLS. DP	FT.	TYPE	H88
	D.C. OD	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD	FT.	SERIAL No.	263970
	STB BODY OD	FT.	DEPTH IN	6048
1	SUBS OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B.	4.12 FT.	FT. DRILLED	240
		FT.	FT. REAMED	
	Kelly Down	30.24 FT.	FT. CORED	
	TOTAL	6288 FT.	CUM. HRS. RUN	20½
WT OF STRING		154 LBS.	CONDITION	Drlg

DRILLER: Wm Abbott.

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
6187	101		6288		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	600	6"	53	
PUMP No. 2	500	5½	57	

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
1:00	5:30	1 ½	Drlg 8¾" Hole
5:30	5:45	¼	Rig Service & BOP
5:45	12:00	5 ¼	Drlg 8¾ Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.7+	8.7	
VISC.	37	37	36	
W.L.-C.C.		26		
FLTR. CK.		2/32		
pH		9.0	9.5	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1 000		
Caustic	50#		

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 3220

REPORT No. 38

DATE: FEB 25/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETE

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

LOCATION: LSD. 2 SEC. 62 TWP. 29 RGE. W. 123° 2' N

WELL NAME: PACIFIC ET AL CARLSON LAKE No. A-5-0

PROVINCE: N.W.T.

DRILL PIPE STRING No. SIZE: 2 4½

TOOL JOINT: 5 3/4 OD; TYPE THD. FH

DRILL PIPE GRADE:

OPERATOR'S REPRESENTATIVE: [signature]

CONTRACTOR'S TOOL PUSHER: Tom Lemming Sam

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214-P
2.	OILWELL	214-P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/4	H-40	6	788	CONST.	790	1½% CACL2

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	7 3/4	7¼	3½
TRIPPING			4
RIG MAINTENANCE	¼	1¼	¼
RIG REPAIRS			
HOLE SURVEYS	½	½	¼
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	8 SIZE 1 1/8
FEET SLIPPED	1824
FEET CUT OFF	1824
PRESENT LENGTH	3126
TON MI. or TRIPS SINCE LAST CUT	200
CUMULATIVE TON MI. or TRIPS	6543
No. OF DAYS FROM SPUD	37
CUMULATIVE ROTATING HRS.	463 3/4
DAYS SINCE LAST ACCDNT.	17
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	363
DAY TOUR	149
EVENING TOUR	435

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
50	STANDS DP	5172.82 FT.	Drilling or Core Bit No.	22
	SNGLS. DP	FT.	TYPE	RG7X
	D.C. 6¼ OD	FT.	SIZE	8 3/4
24	8¼ OD	718.17 FT.	NOZZ. SIZE	11/16
	RMR BODY OD	FT.	SERIAL No.	94261
	STB BODY OD	FT.	DEPTH IN	5681
1	SUBS 6/0 OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. SUB	4.12 FT.	FT. DRILLED	254
		FT.	FT. REAMED	
	Kelly Down	38.80 FT.	FT. CORED	
	TOTAL	5935.08 FT.	CUM. HRS. RUN	24½
WT OF STRING	150M LBS.		CONDITION	0.B

DRILLER: David Hardie

WEATHER CONDITIONS: MILD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
5872	63		5935		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	475	6	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5870	3 3/4°							

From	To	Elapsed Time	REMARKS
22:00	12:30	½	SURVEY @ 5870' 3¾°
12:30	12:45	¼	RIG SER. + B.O.P
12:45	8:00	7 3/4	DRLG 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	8.8	8.8
VISC.	36	36	36	40
W.L.-C.C.			19.6	
FLTR. CK.			1/32	
pH	8.5	8.5	8.5	9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3000#		
Caustic	50#		

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
58	STANDS DP	5263.90 FT.	Drilling or Core Bit No.	22
	SNGLS. DP	FT.	TYPE	RG7X
	D.C. OD	FT.	SIZE	8 3/4
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	94261
	STB BODY OD	FT.	DEPTH IN	5681
1	SUBS 6/0 OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. SUB	4.12 FT.	FT. DRILLED	333
		FT.	FT. REAMED	
	Kelly Down	27.00 FT.	FT. CORED	
	TOTAL	5935.14 FT.	CUM. HRS. RUN	31 3/4
WT OF STRING	152M LBS.		CONDITION	RUN.

DRILLER: K. Richards.

WEATHER CONDITIONS: MILD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
5935	79		6014			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	475	6"	54	
PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5960	3°							

From	To	Elapsed Time	REMARKS
8:00	8:15	¼	SERV RIG - close pipe Rams "OK"
8:15	11:00	2 3/4	DRLG 8¾" Hole.
11:00	11:30	½	Survey
11:30	4:00	4 ½	DRLG 8¾" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	8.8	8.8
VISC.	40	38	38	38
W.L.-C.C.				22.4
FLTR. CK.				2/32
pH				9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD		
58	STANDS DP	FT.	Drilling or Core Bit No.	22	23
1	SNGLS. DP	5292.70 FT.	TYPE	RGTX	H88
	D.C. OD	FT.	SIZE	8¾	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3-11/16	3-11/16
	RMR BODY OD	FT.	SERIAL No.	94261	263970
	STB BODY OD	FT.	DEPTH IN	5681	6048
1	SUBS 6/0 OD	1.09 FT.	DEPTH OUT	6048	
1	BIT OR C.B. SUB	4.12 FT.	FT. DRILLED	367	
		FT.	FT. REAMED		
	Kelly Down	31.92 FT.	FT. CORED		
	TOTAL	6048 FT.	CUM. HRS. RUN	35¼	
WT OF STRING	148M LBS.		CONDITION	RR-1	

DRILLER: Wm Abbott.

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
6014	34		6048		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	475	6"	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6048	3°							

From	To	Elapsed Time	REMARKS
4:00	7:30	3 ½	Drlg 8¾ Hole
7:30	7:45	¼	Rig Service + BOPV
7:45	8:00	¼	Drop Survey @ 6048
8:00	12:00	4	Trip for Bit No 23

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	T	
VISC.	37	37	A.	
W.L.-C.C.		24	+	
FLTR. CK.		1/32	P.	
pH		9.5		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. _____

REPORT No. 37

DATE: FEB 24/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETE.

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

OPERATOR'S REPRESENTATIVE: John D Foster

LOCATION: LSD. W 123° SEC. 2' TWP. 62° RGE. 29' W. N

DRILL PIPE STRING No. SIZE: 2 4½

TOOL JOINT: 5¾ OD

TYPE THD.: FH

DRILL PIPE GRADE: E

CONTRACTOR'S TOOL PUSHER: Tom Cumming Jan.

WELL NAME: PACIFIC ETAL CARLSON LAKE No. A-50

PROVINCE: N.W.T.

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214 P
2.	OILWELL	214 P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H-40	0	788	CONST.	780	2% CACL2

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	2¼	7¼	7¾
TRIPPING	4½		
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS		½	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS	1		
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8		8

WIRE LINE RECORD

REEL No.	
No. OF LINES	8 SIZE ⅛
FEET SLIPPED	1824
FEET CUT OFF	1824
PRESENT LENGTH	3176
TON MI. or TRIPS SINCE LAST CUT	60
CUMULATIVE TON MI. or TRIPS	
No. OF DAYS FROM SPUD	36
CUMULATIVE ROTATING HRS.	445¾
DAYS SINCE LAST ACCDNT.	16
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	362
DAY TOUR	148
EVENING TOUR	434

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD		
54	STANDS DP	4906.51 FT.	Drilling or Core Bit No.	21	22
2	SNGLS. DP	59.40 FT.	TYPE	M88	RG7X
	D.C. OD	FT.	SIZE	8¾	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	11/16	11/16
	RMR BODY OD	FT.	SERIAL No.	231400	94261
	STB BODY OD	FT.	DEPTH IN	5240	5681
1	SUBS % OD	1.09 FT.	DEPTH OUT	5681	
1	BIT OR C.B. 8¾	4.12 FT.	FT. DRILLED	441	19
		FT.	FT. REAMED		
	Kelly Down	10.71 FT.	FT. CORED		
	TOTAL	5700.00 FT.	CUM. HRS. RUN	39	2¼
WT OF STRING	149M LBS.		CONDITION	T/P	O.B.

DRILLER: David Hardie

WEATHER CONDITIONS: MILD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
5681	19		5700		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	475	6	54	
PUMP No. 2		5½		

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12:00	1:45	1 ¾	TRIP OUT W/ BIT #21
1:45	2:00	¼	RIG SER. + B.O.P. CHECK
2:00	3:00	1	CUT + SLIP 88' OF DRILLING LINE
3:00	5:45	2 ¾	TRIP IN W/ BIT #22
5:45	9:00	2 ¼	DRLG 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				8.8
VISC.	TRIP			40
W.L.-C.C.				27
FLTR. CK.				2/32
pH				9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD		
55	STANDS DP	4994.93 FT.	Drilling or Core Bit No.		22
2	SNGLS. DP	57.53 FT.	TYPE		RG7X
	D.C. OD	FT.	SIZE		8¾
24	6¼ OD	218.17 FT.	NOZZ. SIZE		3-11/16
	RMR BODY OD	FT.	SERIAL No.		94261
	STB BODY OD	FT.	DEPTH IN		5681
1	SUBS % OD	1.09 FT.	DEPTH OUT		
1	BIT OR C.B. 8¾	4.12 FT.	FT. DRILLED		135
		FT.	FT. REAMED		
	Kelly Down	11.00 FT.	FT. CORED		
	TOTAL	5787 FT.	CUM. HRS. RUN		9½
WT OF STRING	148M LBS.		CONDITION		Run.

DRILLER: K Richards.

WEATHER CONDITIONS: FAIR.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
5700	87		5787		45	45M

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	475	6	54	
PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5780	3¼							

From	To	Elapsed Time	REMARKS
8:00	8:15	¼	SERV RIG + CLOSE HYDRIL OK
8:15	3:30	7 ¼	DRLG 8¾" HOLE.
3:30	4:00	½	SURVEY.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.7	8.7		
VISC.	37	36		
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD		
50	STANDS DP	FT.	Drilling or Core Bit No.		22
1	SNGLS. DP	61 12.13 FT.	TYPE		RG7X
	D.C. OD	FT.	SIZE		8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE		3-7/16
	RMR BODY OD	FT.	SERIAL No.		94261
	STB BODY OD	FT.	DEPTH IN		5681
1	SUBS % OD	1.09 FT.	DEPTH OUT		
	BIT OR C.B. 8¾	4.12 FT.	FT. DRILLED		220
		FT.	FT. REAMED		
	Kelly Down	36.49 FT.	FT. CORED		
	TOTAL	5872 FT.	CUM. HRS. RUN		17¼
WT OF STRING	149M LBS.		CONDITION		Drlg

DRILLER: Wm Ahlstrom.

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
5787	85		5872		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	475	6	54	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
4:00	6:15	2 ¼	Drlg 8¾" Hole
6:15	6:30	¼	R.S. Service - BOPV
6:30	12:00	5 ½	Drlg

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.7	8.7	8.7	8.7
VISC.	34	35	36	37
W.L.-C.C.				26
FLTR. CK.				2/32
pH	9.5	9.5		9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 9550

REPORT No. 36

DATE: FEB. 23/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETE.

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

OPERATOR'S REPRESENTATIVE:

RIG No.: 16

LOCATION: LSD. W | SEC. 12 | TWP. 62° | RGE. 29' | W. N

DRILL PIPE STRING No. SIZE: 3 4½

TOOL JOINT: 5-3/4 OD

TYPE THD.: FH

DRILL PIPE GRADE: E

CONTRACTOR'S TOOL PUSHER: Tom Cunningham

WELL NAME: PACIFIC ETAL CARLSON LAKE

No.: A-50

PROVINCE: ~~ALTA~~ N.W.T

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214-P
2.	OILWELL	214-P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H-40	0	788	CONST.	780	1½% CACL²

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	7¾	13¼	5½
TRIPPING			2½
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS		1	¼
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
~~FISHING~~ C.T.C. Sample			½
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.

No. OF LINES 8 SIZE 1-1/8

FEET SLIPPED 1736

FEET CUT OFF 1736

PRESENT LENGTH 3264

TON MI. or TRIPS SINCE LAST CUT 2[illegible]

CUMULATIVE TON MI. or TRIPS 6391

No. OF DAYS FROM SPUD 35

CUMULATIVE ROTATING HRS. 429½

DAYS SINCE LAST ACCDNT. 15

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 361

DAY TOUR 147

EVENING TOUR

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
52	STANDS DP	4725.29 FT.	Drilling or Core Bit No.	21
1	SNGLS. DP	29.51 FT.	TYPE	M88
	OD D.C.	FT.	SIZE	8 3/4
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 3/16
	RMR BODY OD	FT.	SERIAL No.	231400
	STB BODY OD	FT.	DEPTH IN	5240
1	SUBS 5/0 OD	1.09 FT.	DEPTH OUT	
1	BIT ~~OR~~ C.B.	4.12 FT.	FT. DRILLED	272
		FT.	FT. REAMED	
	Kelly Down	33.32 FT.	FT. CORED	
	TOTAL	5512.00 FT.	CUM. HRS. RUN	26¾
WT OF STRING	146M LBS.		CONDITION	O.B.

DRILLER: David Hardie

WEATHER CONDITIONS: MILD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5432	80		5512		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	~~475~~ 450	6	54	
PUMP No. 2	425	5½	57	

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12:00	2:45	2 ¾	DRLG 8¾" HOLE
2:45	3:00	¼	RIG SER. & B.O.P. CHECK
3:00	8:00	5	DRLG. 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.8	9.8	9.8	9.8
VISC.	36	37	36	36
W.L.-C.C.			23.4	
FLTR. CK.			2/32	
pH	9.5	9.5	9.5	9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
53	STANDS DP	4816.07 FT.	Drilling or Core Bit No.	21
2	SNGLS. DP	59.62 FT.	TYPE	M88
	OD D.C.	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	231400
	STB BODY OD	FT.	DEPTH IN	5240
1	SUBS 5/0 OD	1.09 FT.	DEPTH OUT	
1	BIT ~~OR~~ C.B.	4.12 FT.	FT. DRILLED	372
		FT.	FT. REAMED	
	Kelly Down	13.00 FT.	FT. CORED	
	TOTAL	5612 FT.	CUM. HRS. RUN	33½
WT OF STRING	146M LBS.		CONDITION	RUN.

DRILLER: K Richards.

WEATHER CONDITIONS: MILD.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5512	100		5612		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	475	6	54	
PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5510	3 3/4°		5600	4°				

From	To	Elapsed Time	REMARKS
8:00	8:15	¼	SERV. RIG & CLOSE Blind Rams. O.K.
8:15	8:30	¼	DRLG 8¾" HOLE.
8:30	9:00	½	SURVEY.
9:00	3:30	6 ½	DRLG 8¾" HOLE.
3:30	4:00	½	SURVEY.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.7	8.7	8.7	8.7
VISC.	36	37	36	37
W.L.-C.C.		23		23.2
FLTR. CK.		2/32		2/32
pH		9.5		9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
54	STANDS DP	FT.	Drilling or Core Bit No.	21
1	SNGLS. DP	4935.44 FT.	TYPE	M88
	OD D.C.	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD	FT.	SERIAL No.	231400
	STB BODY OD	FT.	DEPTH IN	5240
1	SUBS 5/0 OD	1.09 FT.	DEPTH OUT	5681
1	BIT ~~OR~~ C.B.	4.12 FT.	FT. DRILLED	441
		FT.	FT. REAMED	
	Kelly Down	22.18 FT.	FT. CORED	
	TOTAL	5681 FT.	CUM. HRS. RUN	39
WT OF STRING	148M LBS.		CONDITION	

DRILLER: Wm Chilcott.

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5612	69		5681		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	475	6"	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5680	3 3/4°							

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	RIG SER.
4:15	9:45	5 ½	DRLG 8¾" Hole.
9:45	10:00	¼	SURVEY @ 5680 3¾°
10:00	12:00	1 ½	~~Pull out W/ B.T #21~~ C.T.C. SAMPLE GEO REQUEST Pull out W/ B.T #21.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.7	8.7	T	
VISC.	36	37	P	
W.L.-C.C.		24	—	P.
FLTR. CK.		2/32		
pH:		9.5		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000#		
Caustic	50#		

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 7114

REPORT No. 35

DATE: FEB 22/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Pete

LOCATION: LSD. W 1/2 3° SEC. 2' TWP. 62° RGE. 29' W. N

WELL NAME: Pacific ET Al Berson Lake No. A-50

PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG NO.: 16

DRILL PIPE STRING No. SIZE: 2 4½

TOOL JOINT 5¾ OD TYPE THD. FH

DRILL PIPE GRADE: E

OPERATOR'S REPRESENTATIVE:

CONTRACTOR'S TOOL PUSHER: L. Mill

PUMPS

No.	MANUFACTURER	TYPE
1.	Oilwell	214P
2.	Oilwell	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13¾	H40	0	788	Const	780 Sacs	1½ To Packs.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	4½	7½	7¼
TRIPPING	2¼		
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS		½	½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS	1		
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.

No. OF LINES 8 SIZE 1 1/8

FEET SLIPPED —

FEET CUT OFF —

PRESENT LENGTH 3264

TON MI. or TRIPS SINCE LAST CUT 246

CUMULATIVE TON MI. or TRIPS 6309

No. OF DAYS FROM SPUD 34

CUMULATIVE ROTATING HRS. 358 1/2

DAYS SINCE LAST ACCDNT. 34

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 431

DAY TOUR 360

EVENING TOUR 146

FORM D1—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
50	STANDS DP	4445.24 FT.	Drilling or Core Bit No.	21
	SNGLS. DP	FT.	TYPE	M88
	D.C. OD	FT.	SIZE	8¾
24	D.C. 6¼ OD	718.17 FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD	FT.	SERIAL No.	231400
	STB BODY OD	FT.	DEPTH IN	5240
1	SUBS C/O OD	1.09 FT.	DEPTH OUT	
1	BIT SUB G.B.	4.12 FT.	FT. DRILLED	43
		FT.	FT. REAMED	
	Kelly Down	14.38 FT.	FT. CORED	
	TOTAL	5283 FT.	CUM. HRS. RUN	4½
	WT OF STRING	143000 LBS.	CONDITION	Dull

DRILLER: Wm Ashcroft.

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5240	43		5283		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	475	6"	54	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12:00	1:00	1	Recover Charts From DST + Lay Down Testing Tools.
1:00	1:15	¼	Rig Service + BOP
1:15	3:30	2¼	Run in W/B.T No 2
3:30	8:00	4½	Drlg 8¾ Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT			8.7	8.7
VISC.	Tr		37	36
W.L.-C.C.	Tr.			22
FLTR. CK.				2/32
pH				9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
50	STANDS DP	4454.41 FT.	Drilling or Core Bit No.	21
2	SNGLS. DP	59.37 FT.	TYPE	M88
	D.C. OD	FT.	SIZE	8¾
24	D.C. 6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	231400
	STB BODY OD	FT.	DEPTH IN	5240
1	SUBS C/O OD	1.09 FT.	DEPTH OUT	
1	BIT SUB G.B.	4.12 FT.	FT. DRILLED	182
		FT.	FT. REAMED	
	Kelly Down	27.01 FT.	FT. CORED	
	TOTAL	5342.00 FT.	CUM. HRS. RUN	11 3/4
	WT OF STRING	144M LBS.	CONDITION	O.B.

DRILLER: David Hardie

WEATHER CONDITIONS: MILD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000±
5283	69		5352		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	450	6	54	
PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5335	2¾°							

From	To	Elapsed Time	REMARKS
8:00	10:15	2 ¼	DRLG 8¾" HOLE
10:15	10:30	¼	RIG SER + B.O.P CHECK
10:30	1:30	3	DRLG 8¾" HOLE
1:30	2:00	½	SURVEY @ 5335 2¾°
2:00	4:00	2	DRLG 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	8.8	8.8
VISC.	36	39	38	37
W.L.-C.C.		17.2		
FLTR. CK.		2/32		
pH	9.5	9.5	9.0	9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL.	2000#		
Caustic	50#		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
51	STANDS DP	4346.1 FT.	Drilling or Core Bit No.	21
2	SNGLS. DP	60.78 FT.	TYPE	M88
	D.C. OD	FT.	SIZE	8 3/4
24	D.C. 6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	231400
	STB BODY OD	FT.	DEPTH IN	5240
1	SUBS C/O OD	1.09 FT.	DEPTH OUT	
1	BIT SUB G.B.	4.12 FT.	FT. DRILLED	192
		FT.	FT. REAMED	
	Kelly Down	12.00 FT.	FT. CORED	
	TOTAL	185M FT.	CUM. HRS. RUN	19
	WT OF STRING	145M LBS.	CONDITION	Rud.

DRILLER: K Richards

WEATHER CONDITIONS: FAIR

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5352	80		5432		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	450	6	54	
PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5420	3½°							

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	Serv Rig + close pipe Rams.
4:15	10:45	6 ¼	DRLG 8¾ Hole.
10:45	11:15	½	Survey.
11:15	12:00	¾	DRLG 8¾" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.7	8.7	8.8
VISC.	37	36	36	36
W.L.-C.C.			19.4	
FLTR. CK.			2/32	
pH			10.5	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

Gallons of Diesel Fuel on Hand at 8:00 a.m. 21116

REPORT No. 34

DATE: Feb 21/71

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Pete
CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.
RIG No.: 16
OPERATOR'S REPRESENTATIVE: [illegible]
CONTRACTOR'S TOOL PUSHER: E. Mill

LOCATION: LSD. W/ SEC. 123° TWP. 62° RGE. 29' W. N
DRILL PIPE STRING No. SIZE: 2-4½
TOOL JOINT: 5¾ OD, TYPE THD. FH
DRILL PIPE GRADE: E.

WELL NAME: Pacific Et Al Carbon Lake No. A50
PROVINCE: Mun.

PUMPS

No.	MANUFACTURER	TYPE
1.	Gilmell	214P
2.	Dilmalle	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	440	0	788	Bonat	788 Sacks	1-3 Centralizers

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	5¾		
TRIPPING		5¼	3½
RIG MAINTENANCE	¼	1¼	
RIG REPAIRS			
HOLE SURVEYS	½	¼	
CONDITIONING MUD			
CONDITIONING HOLE	1½		
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS		2¼	¾
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	4

WIRE LINE RECORD

REEL No.
No. OF LINES 8 SIZE 1 1/16
FEET SLIPPED —
FEET CUT OFF —
PRESENT LENGTH 3264
TON MI. or TRIPS SINCE LAST CUT 181
CUMULATIVE TON MI. or TRIPS 6044

No. OF DAYS FROM SPUD 33
CUMULATIVE ROTATING HRS. 389½
DAYS SINCE LAST ACCDNT. 33
DRILLER ACCDNT. FREE DAYS
MORNING TOUR 430
DAY TOUR 344
EVENING TOUR 145

FORM DI—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
49	STANDS DP	FT.	Drilling or Core Bit No.	20
1	SNGLS. DP	4484.51 FT.	TYPE	RG7JT
	OD D.C.	FT.	SIZE	8¾
24	6¼ OD	714.17 FT.	NOZZ. SIZE	3-11
	RMR BODY OD	FT.	SERIAL No.	96976
	STB BODY OD	FT.	DEPTH IN	4977
1	SUBS OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B.	4.12 FT.	FT. DRILLED	263
1	JUNK SUB	3.05 FT.	FT. REAMED	
	Kelly Down	2906 FT.	FT. CORED	
	TOTAL	5240 FT.	CUM. HRS. RUN	25¼
WT OF STRING	142M LBS.		CONDITION	

DRILLER Wm Abbott
WEATHER CONDITIONS Mild

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5164	76		5240		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	475	6"	54	
PUMP No. 2				

DEVIATION RECORD: DEPTH 5220 DEV. 1¾ DIRECTION

From	To	Elapsed Time		REMARKS
12:00	12:30		½	D.L.S.
12:30	12:45		¼	R.S. Service + B.O.P. ✓
12:45	3:30	3	¾	D.L.S.
4:30	5:00		½	Survey @ 5220 - 1¾°
5:00	6:30	1	½	[illegible] T.D.A.L.G.
6:30	8:00	1	½	Circ Prior To Test.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.7	8.7	8.7	8.7
VISC.	37	36	35	38
W.L.-C.C.				
FLTR. CK.				
pH	10	9.5	9.5	9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000		
Caustic	50#		

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
49	STANDS DP	FT.	Drilling or Core Bit No.	20
1	SNGLS. DP	4484.51 FT.	TYPE	RG7JT
	OD D.C.	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3-11
	RMR BODY OD	FT.	SERIAL No.	96976
	STB BODY OD	FT.	DEPTH IN	4977
1	SUBS OD	1.09 FT.	DEPTH OUT	5240
1	BIT OR C.B.	4.12 FT.	FT. DRILLED	263
1	JUNK SUB	3.05 FT.	FT. REAMED	
	Kelly Down	29.05 FT.	FT. CORED	
	TOTAL	5240 FT.	CUM. HRS. RUN	25¼
WT OF STRING	142M LBS.		CONDITION	321

DRILLER David Hardie
WEATHER CONDITIONS MILD +35°

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
5240			5240			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD: DEPTH 5240 DEV. 2⅛° DIRECTION

From	To	Elapsed Time		REMARKS
8:00	8:15	-	¼	DROP SURVEY @ 5240 2½°
8:15	8:30	-	¼	RIG SER. & B.O.P.
8:30	12:30	- 3		TRIP OUT W/BIT # 20 TO TEST
12:30	12:30	1		PICK UP + MAKE UP D.S.T. #3
12:30	2:45	- 2	¼	TRIP IN W/D.S.T. #3
2:45	3:00		¼	RIG TO TEST
3:00	4:00	1		TESTING

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
49	STANDS DP	FT.	Drilling or Core Bit No.	
1	SNGLS. DP	4484.51 FT.	TYPE	
	OD D.C.	FT.	SIZE	
24	6¼ OD	718.17 FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
1	SUBS OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B.	4.12 FT.	FT. DRILLED	
1	JUNK SUB	3.05 FT.	FT. REAMED	
	Kelly Down	29.05 FT.	FT. CORED	
	TOTAL	5240 FT.	CUM. HRS. RUN	
WT OF STRING	142 LBS.		CONDITION	

DRILLER K. Richards
WEATHER CONDITIONS FAIR

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD: DEPTH DEV. DIRECTION

From	To	Elapsed Time		REMARKS
4:00	8:15	4	¼	TESTING D.S.T. No 3.
8:15	12:00	3	¾	Pull Free, Trip out J Packer. + Break Down Same. Fluid at 3540'

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

Gallons of Diesel Fuel on Hand at 8:00 a.m. 40.52

REPORT No. 22

DATE: Feb 20/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Pete | LOCATION: LSD. W | SEC. 12 | TWP. 62° | RGE. 29' | W. N | WELL NAME: Pacific Et Al Carbon Lake | No. A-50 | PROVINCE: Nwt

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD. | RIG No. 16 | DRILL PIPE STRING No. SIZE 5 4½ | TOOL JOINT 5¼ OD | TYPE THD. FH | DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE: [signature] | CONTRACTOR'S TOOL PUSHER: E. Mill

PUMPS

No.	MANUFACTURER	TYPE
1.	Oilwell	214P
2.	Oilwell	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H40	0	788	Const	780 sacks	1½% Calc

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	4½	7¾	7¾
TRIPPING	1¾		
RIG MAINTENANCE	¼	¼	1¼
RIG REPAIRS			
HOLE SURVEYS			½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
WORK Junk Sub	½		
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS	1		
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	9	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	8 SIZE 1 1/8
FEET SLIPPED	88
FEET CUT OFF	88
PRESENT LENGTH	3264
TON MI. or TRIPS SINCE LAST CUT	30
CUMULATIVE TON MI. or TRIPS	6093
No. OF DAYS FROM SPUD	32
CUMULATIVE ROTATING HRS.	383¾
DAYS SINCE LAST ACCDNT.	32

DRILLER ACCDNT. FREE DAYS

MORNING TOUR	429
DAY TOUR	343
EVENING TOUR	144

MORNING TOUR

No.	DRILLING ASSEMBLY			BIT RECORD	
47	STANDS DP	4242.38	FT.	Drilling or Core Bit No.	20
	SNGLS. DP		FT.	TYPE	RG7XJ
	D.C. OD		FT.	SIZE	8¾
24	6¼ OD	718.17	FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD		FT.	SERIAL No.	96976
	STB BODY OD		FT.	DEPTH IN	4977
1	SUBS ⅘ OD	1.09	FT.	DEPTH OUT	
1	BIT SUB OD	4.12	FT.	FT. DRILLED	39
1	Junk Sub	3.05	FT.	FT. REAMED	
	Kelly Down	17.19	FT.	FT. CORED	
	TOTAL	5016	FT.	CUM. HRS. RUN	4½
WT OF STRING		136M	LBS.	CONDITION	Drlg

DRILLER: Wm Abbott

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
4977	39		5016		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	475	6"	54	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time		REMARKS
12:00	12:15		¼	Finishing WOC.
12:15	12:30		¼	Rig Service + BOP
12:30	1:30	1		Slip + Cut 88' Drlg Line
1:30	3:00	1	½	Running W/Bit No 2
3:00	3:30		½	Work Junk Sub.
3:30	8:00	4	½	Drlg 8¾ Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT			8.7	
VISC.	T		35	
W.L.-C.C.				
FLTR. CK.				
pH			9.0	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY			BIT RECORD	
47	STANDS DP	4272.38	FT.	Drilling or Core Bit No.	20
2	SNGLS. DP	60.84	FT.	TYPE	RG7X-J
	D.C. OD		FT.	SIZE	8¾
24	6¼ OD	718.17	FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD		FT.	SERIAL No.	96976
1	STB BODY ⅘ OD	1.09	FT.	DEPTH IN	4977
	SUBS OD		FT.	DEPTH OUT	
1	BIT SUB OD	4.12	FT.	FT. DRILLED	107
1	Junk Sub	3.05	FT.	FT. REAMED	
	Kelly Down	24.40	FT.	FT. CORED	
	TOTAL	5084.00	FT.	CUM. HRS. RUN	12¼
WT OF STRING		136M	LBS.	CONDITION	O.B.

DRILLER: David Handi

WEATHER CONDITIONS: COLD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
5016	68		5084		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	475	6	54	
PUMP No. 2		5½		

DEVIATION RECORD:

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

From	To	Elapsed Time		REMARKS
8:00	10:30	2	½	DRLG. 8¾" HOLE
10:30	10:45		¼	RIG SER. + B.O.P.
10:45	4:00	5	¼	DRLG. 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.7	8.8	8.8
VISC.	35	37	39	39
W.L.-C.C.		22		
FLTR. CK.		2/32		
pH	9.0	9.0	9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2000#		
Caustic	50#		

EVENING TOUR

No.	DRILLING ASSEMBLY			BIT RECORD	
48	STANDS DP	4364.29	FT.	Drilling or Core Bit No.	20
2	SNGLS. DP	61.24	FT.	TYPE	RG7X-J
	D.C. OD		FT.	SIZE	8¾
24	6¼ OD	718.17	FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD		FT.	SERIAL No.	96976
	STB BODY OD		FT.	DEPTH IN	4977
1	SUBS ⅘ OD	1.09	FT.	DEPTH OUT	
1	BIT SUB OD	4.12	FT.	FT. DRILLED	187
1	Junk Sub	3.05	FT.	FT. REAMED	
	Kelly Down	15.00	FT.	FT. CORED	
	TOTAL	5164.10	FT.	CUM. HRS. RUN	19½
WT OF STRING		140M	LBS.	CONDITION	Run

DRILLER: K Richards

WEATHER CONDITIONS: Fair

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
5084	80		5164		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	475	6"	54	
PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5100	1¼							

From	To	Elapsed Time		REMARKS
4:00	4:15		¼	Serv Rig + Close Hydrill "OK"
4:15	6:15	2		Drlg 8¾" Hole.
6:15	6:45		½	Survey
6:45	12:00	5	¼	Drlg 8¾" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.7	8.7	8.7	
VISC.	37	36	37	
W.L.-C.C.			22	
FLTR. CK.			2/32	
pH			10	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FORM DI—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 3726

REPORT No. 32

DATE: Feb 19/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Pete
CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.
OPERATOR'S REPRESENTATIVE: [signature]
RIG No.: 16
DRILL PIPE STRING No. SIZE: 2 4½
TOOL JOINT: 5¾ OD, TYPE THD. FH
DRILL PIPE GRADE: E
CONTRACTOR'S TOOL PUSHER: E. Mill
LOCATION LSD. SEC. TWP. RGE. W.: W 123° 2' 62° 29' N
WELL NAME: Pacific Et Al Carbon Lake
No.: A 50
PROVINCE: Nwt

PUMPS

No.	MANUFACTURER	TYPE
1.	Oilwell	214P
2.	Oilwell	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH FROM	DEPTH TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H40	0	788	Bonit	780	1¼" Back
				Foam		

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING		6½	3¼
TRIPPING	¼		2½
RIG MAINTENANCE	¼	¼	1¼
RIG REPAIRS		½	
HOLE SURVEYS	½		2¼
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS			¾
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	8 SIZE 1 1/8
FEET SLIPPED	-
FEET CUT OFF	-
PRESENT LENGTH	3352
TON MI. or TRIPS SINCE LAST CUT	317
CUMULATIVE TON MI. or TRIPS	6063

No. OF DAYS FROM SPUD	31
CUMULATIVE ROTATING HRS.	364 ¼
DAYS SINCE LAST ACCDNT.	31
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	428
DAY TOUR	382
EVENING TOUR	143

MORNING TOUR

No.	DRILLING ASSEMBLY			BIT RECORD	
45	STANDS DP		FT.	Drilling or Core Bit No.	19
1	SNGLS. DP	4120.01	FT.	TYPE	RG7KJ
	OD		FT.	SIZE	8¾
	D.C.		FT.	NOZZ. SIZE	3-12/16
24	6¼ OD	718.17	FT.	SERIAL No.	8569
	RMR BODY OD		FT.	DEPTH IN	4540
	STB BODY OD		FT.	DEPTH OUT	
1	SUBS 6/0 OD	1.09	FT.	FT. DRILLED	342
1	BIT ~~OR C.B.~~ SUB	4.12	FT.	FT. REAMED	
			FT.	FT. CORED	
	Kelly Down	38.61	FT.	CUM. HRS. RUN	5¼
	TOTAL	4882	FT.	CONDITION	3 Dlg
WT OF STRING		128M	LBS.		

DRILLER: Wm Johnston
WEATHER CONDITIONS: Clear + cold

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4810	72		4882		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	475	6"	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4850	1¼							

From	To	Elapsed Time		REMARKS
12:00	1:00	1		Dlg
1:00	1:15		¼	Rig Service + BOP ✓
1:15	4:30			Dlg
4:30	5:00	3	½	Survey @ 4850 1¼°
5:00	8:00	3		Dlg

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.7	8.7	8.7	8.7
VISC.	36	37	36	36
W.L.-C.C.		25		21
FLTR. CK.		2/32		2/32
pH		9.0		8.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY			BIT RECORD	
46	STANDS DP	4181.67	FT.	Drilling or Core Bit No.	19
	SNGLS. DP		FT.	TYPE	RG7XJ
	OD		FT.	SIZE	8¾
	D.C.		FT.	NOZZ. SIZE	3 11/16
24	6¼ OD	718.17	FT.	SERIAL No.	8569
	RMR BODY OD		FT.	DEPTH IN	4540
	STB BODY OD		FT.	DEPTH OUT	
1	SUBS 6/0 OD	1.09	FT.	FT. DRILLED	400
1	BIT ~~OR C.B.~~ SUB	4.12	FT.	FT. REAMED	
			FT.	FT. CORED	
	Kelly Down	38.95	FT.	CL HR. RUN	41½
	TOTAL	4940.00	FT.	CONDITION	O.B.
WT OF STRING		130M	LBS.		

DRILLER: David Hardie
WEATHER CONDITIONS: COLD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4882	68		4940		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	475	6	54	
PUMP No. 2		5½		

DEVIATION RECORD:

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

From	To	Elapsed Time		REMARKS
8:00	8:15		¼	RIG SER. + B.O.P.
8:15	10:45	2	½	DRLG. 8¾ HOLE
10:45	12:15	1	½	REPAIR AIR LINE ON #1 DRIVE
12:15	4:00	3	¾	DRLG. 8¾ HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.7	9.7	8.7+	8.7+
VISC.	38	37	37	37
W.L.-C.C.		23		
FLTR. CK.		2/32		
pH	8.5	8.5	8.5	8.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
Caustic	50#		

EVENING TOUR

No.	DRILLING ASSEMBLY			BIT RECORD		
46	STANDS DP	4181.67	FT.	Drilling or Core Bit No.	19	20
2	SNGLS. DP	60.43	FT.	TYPE	RG7XJ	RG7XJ
	OD		FT.	SIZE	8¾	8¾
	D.C.		FT.	NOZZ. SIZE	3 11/16	3 11/16
24	6¼ OD	718.17	FT.	SERIAL No.	8569	96976
	RMR BODY OD		FT.	DEPTH IN	4540	4977
	STB BODY OD		FT.	DEPTH OUT	4977	
1	SUBS 6/0 OD	1.09	FT.	FT. DRILLED	437	
1	BIT ~~OR C.B.~~ SUB	4.12	FT.	FT. REAMED		
1	JUNK SUB	3.05	FT.	FT. CORED		
	Kelly Down	9.60	FT.	CUM. HRS. RUN	45 11/4	
	TOTAL	4977	FT.	CONDITION	8.8	
WT OF STRING		130M	LBS.			

DRILLER: K Richards
WEATHER CONDITIONS: C.&D.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4940	37		4977		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	475	6"	54	
PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4940	1 1/4		4977	1 1/8				

From	To	Elapsed Time		REMARKS
4:00	4:15		1/4	Serv Rig + Close Pipe Rams "OK"
4:15	4:45		½	Survey
4:45	8:30	3	3/4	DRLG 8 3/4" Hole
8:30	8:45		1/4	Drop Survey
8:45	10:00	2	1/4	Trip out w/ Bit No 19
11:00	11:45		3/4	Make up Junk Sub + Bit. No 20
11:45	12:00		1/4	Trip in w/ Collars.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.7	8.7		
VISC.	36	35		
W.L.-C.C.		25		
FLTR. CK.		2/32		
pH		9.5		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 4052

REPORT No. 31

DATE: Feb 18/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Pete.
CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.
OPERATOR'S REPRESENTATIVE: [signature]
RIG No.: 16
DRILL PIPE STRING No. SIZE: 2 4½
TOOL JOINT: 5¾ OD, TYPE THD. FH
DRILL PIPE GRADE: E
CONTRACTOR'S TOOL PUSHER: E Mill

LOCATION LSD. 12 SEC. 2 TWP. 62° RGE. 29' W. N
WELL NAME: Pacific Et Al Carbon Lake No. A-50
PROVINCE: Alta

PUMPS No.	MANUFACTURER	TYPE
1.	Oilwell	214P
2.	Oilwell	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H40	0	788	Const.	780 Sacks	1½% Calcl2.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	7¾	7½	7¼
TRIPPING			
RIG MAINTENANCE	¼	½	¼
RIG REPAIRS			
HOLE SURVEYS		½	½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.
No. OF LINES 8 SIZE 1⅛
FEET SLIPPED -
FEET CUT OFF -
PRESENT LENGTH 3352
TON MI. or TRIPS SINCE LAST CUT 239
CUMULATIVE TON MI. or TRIPS 5985

No. OF DAYS FROM SPUD 30
CUMULATIVE ROTATING HRS. 347½
DAYS SINCE LAST ACCDNT. 30
DRILLER ACCDNT. FREE DAYS
MORNING TOUR 427
DAY TOUR 341
EVENING TOUR 142

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
43	STANDS DP	3908.05 FT.	Drilling or Core Bit No.	19
	SNGLS. DP	FT.	TYPE	RG7XJ
	OD	FT.	SIZE	8¾
	D.C.		NOZZ. SIZE	3 11/16
24	6¼ OD	718.17 FT.	SERIAL No.	8569
	RMR BODY OD	FT.	DEPTH IN	4540
	STB BODY OD	FT.	DEPTH OUT	
1	SUBS ¾ OD	1.09 FT.	FT. DRILLED	128
1	BIT OR C.B. Sub	4.12 FT.	FT. REAMED	
		FT.	FT. CORED	
	Kelly Down	36.57 FT.	CUM. HRS. RUN	13¼
	TOTAL	4668 FT.	CONDITION	Dull
	WT OF STRING	126M LBS.		

DRILLER Wm Abbott
WEATHER CONDITIONS Cold

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4589	79		4668		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	450	6"	54	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12:00	2:15	2¼	Oake.
2:15	2:30	¼	Rig Service + BOPV
2:30	8:00	5½	Oake.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.8	8.7	8.7	8.7
VISC.	38	37	37	36
W.L.-C.C.		28		23
FLTR. CK.		2/32		2/32
pH		9.0		9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
44	STANDS DP	3998.14 FT.	Drilling or Core Bit No.	19
	SNGLS. DP	FT.	TYPE	RG7X-J
	OD	FT.	SIZE	8¾
	D.C.		NOZZ. SIZE	3 11/16
24	6¼ OD	718.17 FT.	SERIAL No.	8569
	RMR BODY OD	FT.	DEPTH IN	4540
	STB BODY OD	FT.	DEPTH OUT	
1	SUBS ¾ OD	1.09 FT.	FT. DRILLED	195
1	BIT OR C.B. Sub	4.12 FT.	FT. REAMED	
		FT.	FT. CORED	
	Kelly Down	13.48 FT.	CUM. HRS. RUN	20¼
	TOTAL	4735.00 FT.	CONDITION	O.B.
	WT OF STRING	127M LBS.		

DRILLER David Hodie
WEATHER CONDITIONS Cold

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4668	67		4735		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	450	6	54	
PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4660	1¾°							

From	To	Elapsed Time	REMARKS
8:00	8:15	¼	SURVEY @ 4660 1¾°
8:15	8:30	¼	RIG SER. & B.O.P.
8:30	4:00	7½	DRLG. 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.7	8.7	8.7	8.7+
VISC.	35	35	37	37
W.L.-C.C.		28		25
FLTR. CK.		2/32		2/32
pH	9.0	9.0	9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SEL	3000		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
44	STANDS DP	3998.14 FT.	Drilling or Core Bit No.	19
2	SNGLS. DP	59.87 FT.	TYPE	RG7XJ
	OD	FT.	SIZE	8¾
	D.C.		NOZZ. SIZE	3 11/16
24	6¼ OD	718.17 FT.	SERIAL No.	8569
	RMR BODY OD	FT.	DEPTH IN	4540
	STB BODY OD	FT.	DEPTH OUT	
1	SUBS ¾ OD	1.09 FT.	FT. DRILLED	270
1	BIT OR C.B. Sub	4.12 FT.	FT. REAMED	
		FT.	FT. CORED	
	Kelly Down	29.00 FT.	CUM. HRS. RUN	28
	TOTAL	4810 FT.	CONDITION	Run
	WT OF STRING	127M LBS.		

DRILLER R Richards.
WEATHER CONDITIONS Cold.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4735	75		4810		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	450	6"	54	
PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4750	1½							

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	Serv Rig. Close Hydrill. "OK"
4:15	6:30	2¼	DRLG 8¾" Hole.
6:30	7:00	½	Survey
7:00	12:00	5	DRLG 8¾" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.7	8.7	8.7	8.7
VISC.	36	39	37	36
W.L.-C.C.			23	
FLTR. CK.			2/32	
pH			9.0	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FORM DI—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 5000.

REPORT No. 30

DATE: Feb 17/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Pete
CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.
RIG No.: 16
OPERATOR'S REPRESENTATIVE: [signature]
CONTRACTOR'S TOOL PUSHER: D. Mill

LOCATION LSD. W SEC. 123° TWP. 2' RGE. 62° W. 29' W. N
WELL NAME: Pacific Et Al Carlson Lake No. A50 PROVINCE: Nwt

DRILL PIPE STRING No. SIZE: 2 4½
TOOL JOINT 5¾ OD TYPE THD. FH
DRILL PIPE GRADE: E

PUMPS

No.	MANUFACTURER	TYPE
1.	Oilwell	214P
2.	Oilwell	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H40	0	788	Const.	780 Sacks	1% Cacl2

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	7¾	5¼	5½
TRIPPING		2½	1½
RIG MAINTENANCE	¼		1¼
RIG REPAIRS			
HOLE SURVEYS		¼	1½
CONDITIONING MUD			
CONDITIONING HOLE			1¼
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.
No. OF LINES 8 SIZE 1 1/8
FEET SLIPPED —
FEET CUT OFF —
PRESENT LENGTH 3352
TON MI. or TRIPS SINCE LAST CUT 224
CUMULATIVE TON MI. or TRIPS 5970

No. OF DAYS FROM SPUD 29
CUMULATIVE ROTATING HRS. 325
DAYS SINCE LAST ACCDNT. 29
DRILLER ACCDNT. FREE DAYS
MORNING TOUR 426
DAY TOUR 340
EVENING TOUR 141

MORNING TOUR

No.	DRILLING ASSEMBLY			BIT RECORD	
41	STANDS DP		FT.	Drilling or Core Bit No.	18
2	SNGLS. DP	3794.17	FT.	TYPE	X55R
	OD D.C.		FT.	SIZE	8¾
24	6¼ OD	718.17	FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD		FT.	SERIAL No.	15096
	STB BODY OD		FT.	DEPTH IN	4238
1	SUBS % OD	1.09	FT.	DEPTH OUT	
1	BIT ~~OR~~ S.B.	4.12	FT.	FT. DRILLED	283
			FT.	FT. REAMED	
	Kelly Down	1392	FT.	FT. CORED	
	TOTAL	4527	FT.	CUM. HRS. RUN	35
WT OF STRING		125M	LBS.	CONDITION	Drlg

DRILLER: Wm Abbott
WEATHER CONDITIONS: Cold + Windy

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4489	38		4527		45/55	45/40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	450	6"	54	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time		REMARKS
12:00	1:00	1		Drlg.
1:00	1:15		¼	Rig Service + BOP
1:15	8:00	6	¾	Drlg

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	8.8	8.8
VISC.	38	200+	37	38
W.L.-C.C.			32	
FLTR. CK.			2/32	
pH	9.5		9.5	9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	100#		
Peltex	200#		
Gel	500#		

DAY TOUR

No.	DRILLING ASSEMBLY			BIT RECORD	
41	STANDS DP		FT.	Drilling or Core Bit No.	18
2	SNGLS. DP	3723.26	FT.	TYPE	X55R
	OD D.C.		FT.	SIZE	8¾
24	6¼ OD	718.17	FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD		FT.	SERIAL No.	15086
	STB BODY OD		FT.	DEPTH IN	4238
1	SUBS % OD	1.09	FT.	DEPTH OUT	4540
1	BIT ~~OR~~ S.B.	4.12	FT.	FT. DRILLED	302
			FT.	FT. REAMED	
	Kelly Down	31.93	FT.	FT. CORED	
	TOTAL	4540.00	FT.	CUM. HRS. RUN	40¼
WT OF STRING		125M	LBS.	CONDITION	9-8-1

DRILLER: David Hardie
WEATHER CONDITIONS: COLD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4521	19		4540		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	450	6	54	
PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4540	1½°							

From	To	Elapsed Time		REMARKS
8:00	1:15	5	¼	DRLG 8¾" HOLE
1:15	1:30		¼	DROP SURVEY @ 4540 1¼°
1:30	4:00	2	½	TRIP OUT W/BIT #18

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	8.8	
VISC.	36	37	36	
W.L.-C.C.		30+		
FLTR. CK.		2/32		
pH	8.5	8.5	8.5	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL.	1000#		
Caustic	50#		

EVENING TOUR

No.	DRILLING ASSEMBLY			BIT RECORD	
42	STANDS DP	3815.83	FT.	Drilling or Core Bit No.	19
1	SNGLS. DP	3090	FT.	TYPE	RG7XJ
	OD D.C.		FT.	SIZE	8¾
24	6¼ OD	718.17	FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD		FT.	SERIAL No.	8569
	STB BODY OD		FT.	DEPTH IN	4546
1	SUBS % OD	1.69	FT.	DEPTH OUT	
1	BIT ~~OR~~ S.B.	4.12	FT.	FT. DRILLED	49
			FT.	FT. REAMED	
	Kelly Down	18.99	FT.	FT. CORED	
	TOTAL	4564	FT.	CUM. HRS. RUN	5½
WT OF STRING		125M	LBS.	CONDITION	DB.

DRILLER: K Richards
WEATHER CONDITIONS: COLD.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
4546	44		4589		45	45M

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	450	6	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4570	1½°							

From	To	Elapsed Time		REMARKS
4:00	4:15		¼	SERV RIG & CLOSE BLIND RAM'S.
4:15	5:45	1	½	MAKE UP BIT & TRIP IN W/ BIT NO 19
5:45	6:00		¼	BREAK CIRC.
6:00	10:30	4	½	DRLG 8¾" HOLE.
10:30	11:00		½	SURVEY
11:00	12:00	1		DRLG 8¾" HOLE.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	TR	8.8	8.8	8.8
VISC.	TR	35	35	36
W.L.-C.C.	TR		23	
FLTR. CK.			2/32	
pH			10	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 3540

REPORT No. 29

DATE: Feb 16/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific PETE

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

OPERATOR'S REPRESENTATIVE: [signature]

CONTRACTOR'S TOOL PUSHER: E. Mill

LOCATION: LSD. W 12 SEC. 3° TWP. 2' RGE. 62° W. 29' N

WELL NAME: Pacific ET AL Carlson Lake No. A-50

PROVINCE: N.W.T.

DRILL PIPE STRING No. SIZE: 2 4½

TOOL JOINT: 5¾ OD, TYPE THD. FH

DRILL PIPE GRADE: E

PUMPS

No.	MANUFACTURER	TYPE
1.	D.I.W.&L.	214P
2.	D.I.W.&L.	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13¾	H40	0	788	Const	780 SAYS	1½% CaCl.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	6¾	7¾	7¼
TRIPPING			
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS	1		½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	8 SIZE 1⅛
FEET SLIPPED	1643
FEET CUT OFF	1648
PRESENT LENGTH	3352.
TON MI. or TRIPS SINCE LAST CUT	138
CUMULATIVE TON MI. or TRIPS	5884

No. OF DAYS FROM SPUD	28
CUMULATIVE ROTATING HRS.	306½
DAYS SINCE LAST ACCDNT.	28
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	405
DAY TOUR	339
EVENING TOUR	140

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
40	STANDS DP	3630.77 FT.	Drilling or Core Bit No.	18
	SNGLS. DP	FT.	TYPE	X55R
	D.C. OD	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD	FT.	SERIAL No.	15086
	STB BODY OD	FT.	DEPTH IN	4238
1	SUBS 9/0 OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. SUB	4.12 FT.	FT. DRILLED	137
		FT.	FT. REAMED	
	Kelly Down	20.85 FT.	FT. CORED	
	TOTAL	4375 FT.	CUM. HRS. RUN	13¼
WT OF STRING	123M LBS.		CONDITION	Drlg

DRILLER: Wm Abbott

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
4300	75		4375		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	425	6"	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4300	2¾		4360	2¼				

From	To	Elapsed Time	REMARKS
12:00	12:15	¼	Only 8¾" hole.
12:15	12:45	½	Survey @ 4300 - 2¾°
12:45	1:00	¼	Rig Service + BOP
1:00	6:15	5¼	Drlg
6:15	6:45	½	Survey @ 4360 - 2¼°
6:45	8:00	1¼	Drlg

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.7	8.7	8.7	8.7
VISC.	38	38	36	36
W.L.-C.C.			28	
FLTR. CK.			2/32	
pH	8.5	8.5	8.5	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caust.c	50#		

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
40	STANDS DP	3630.77 FT.	Drilling or Core Bit No.	18
2	SNGLS. DP	61.75 FT.	TYPE	X55R
	D.C. OD	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	15086
	STB BODY OD	FT.	DEPTH IN	4238
1	SUBS 9/0 OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. SUB	4.12 FT.	FT. DRILLED	202
		FT.	FT. REAMED	
	Kelly Down	24.10 FT.	FT. CORED	
	TOTAL	4440.00 FT.	CUM. HRS. RUN	21
WT OF STRING	123M LBS.		CONDITION	O.B.

DRILLER: David Hardie

WEATHER CONDITIONS: COLD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
4375	65		4440		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	425	6	54	
PUMP No. 2		5½		

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
8:00	9:45	1¾	DRLG. 8¾" HOLE
9:45	10:00	¼	RIG SER. + B.O.P.
10:00	4:00	6	DRLG. 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.7+	8.9	8.8
VISC.	40	38	37	37
W.L.-C.C.		2.8+		2.9+
FLTR. CK.		2/32		2/32
pH	8.5	8.5	8.5	8.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	3723.26 FT.	Drilling or Core Bit No.	18
	SNGLS. DP	306.9 FT.	TYPE	X55R
	D.C. OD	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	15086
	STB BODY OD	FT.	DEPTH IN	4238
1	SUBS 9/0 OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. SUB	4.12 FT.	FT. DRILLED	250
		FT.	FT. REAMED	
	Kelly Down	12.57 FT.	FT. CORED	
	TOTAL	4488.90 FT.	CUM. HRS. RUN	28¼
WT OF STRING	124M LBS.		CONDITION	Run

DRILLER: Kaye R. Lusk

WEATHER CONDITIONS: Cold

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
4440	48		4488		45	45M

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	425	6	54	7¼
PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4450	3¾							

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	Serv Rig + close Hydrill OK.
4:15	6:00	1¾	Drlg 8¾" Hole.
6:00	6:30	½	Survey
6:30	12:00	5½	Drlg 8¾" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.7	8.7	8.9	8.8
VISC.	36	36	35	38
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1560#		
Caustic	50#		

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m.: 3445

REPORT No.: 28

DATE: Feb 15/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pac Pete

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

LOCATION: LSD. 4 SEC. 2 TWP. 60 RGE. 24 W. 4

WELL NAME: Pac. Fed Cadotte Lake No. A 50

PROVINCE:

DRILL PIPE STRING No. SIZE: 3 4½

TOOL JOINT: 5 3¼ OD TYPE THD. FH

DRILL PIPE GRADE: E

OPERATOR'S REPRESENTATIVE: [signature]

CONTRACTOR'S TOOL PUSHER: D. Mill

PUMPS

No.	MANUFACTURER	TYPE
1.	Oilwell	214 P
2.	Oilwell	214 P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H40	0	788	Const	780	1¼% CaCl

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			6½
TRIPPING	3½	3½	1¼
RIG MAINTENANCE	1¼		¼
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
~~FISHING~~ TEST	2	2¼	
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT	½		
MISCELLANEOUS	1½	2¼	
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	16	

WIRE LINE RECORD

REEL No.	
No. OF LINES	9 SIZE 1¼
FEET SLIPPED	1649
FEET CUT OFF	1649
PRESENT LENGTH	3352
TON MI. or TRIPS SINCE LAST CUT	131
CUMULATIVE TON MI. or TRIPS	5877
No. OF DAYS FROM SPUD	27
CUMULATIVE ROTATING HRS.	284¾
DAYS SINCE LAST ACCDNT.	27
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	
DAY TOUR	404
EVENING TOUR	338

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
38	STANDS DP	3448.16 FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
24	218.17 OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING	100M LBS.		CONDITION	

DRILLER

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time		REMARKS
12:00	12:45		1¼	Serv R.G. & Close Blind Rams. OK
12:45	1:45	½	¼	Pick up Collars & make up Packer.
1:45	5:00	3		Run in w/ DST No 2 - Picking up Pipe From Racks.
5:00	6:00	1		Steam Flare Line & Rig To Test.
6:00	8:00	2		Testing.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	19
	SNGLS. DP	FT.	TYPE	V55A
	D.C. OD	FT.	SIZE	8¾
	OD	FT.	NOZZ. SIZE	3 1/16
	RMR BODY OD	FT.	SERIAL No.	15085
	STB BODY OD	FT.	DEPTH IN	4239
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING	LBS.		CONDITION	

DRILLER Wm Abbott.

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
4239						

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time		REMARKS
8:00	10:15	2	¼	Testing
10:15	10:45		½	Pull Packer Loose & Break Off Testing Head
10:45	12:45	2		Pull out W/DST No 2.
12:45	2:30	1	¾	Break & Service Testing Tools - Recover Charts &
2:30	4:00	1	½	Lay down Testing Tools
				Running W Bit No 18

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
9	STANDS DP	3538.64 FT.	Drilling or Core Bit No.	18
	SNGLS. DP	FT.	TYPE	XSSR
	D.C. OD	FT.	SIZE	8¾"
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	15085
	STB BODY OD	FT.	DEPTH IN	4238
1	SUBS ~~6~~ OD	1.09 FT.	DEPTH OUT	
1	BIT ~~OR C.B.~~ SUB	4.12 FT.	FT. DRILLED	62
		FT.	FT. REAMED	
	Kelly Down	30.98 FT.	FT. CORED	
	TOTAL	4300.00 FT.	CUM. HRS. RUN	6½
WT OF STRING	122M LBS.		CONDITION	0.8.

DRILLER David Hendon

WEATHER CONDITIONS Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
4238	62		4300		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	125	6	54	
PUMP No. 2		5½		

DEVIATION RECORD:

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

From	To	Elapsed Time		REMARKS
4:00	5:15	1	¼	TRIP IN W/BIT # 18
5:15	5:30		¼	RIG SER & B.O.P.
5:30	12:00	6	½	DRLG. 8¾" HOLE

DST #2 4102 - 4238 Aurora Johnston Single, ½" 3 inch ck.

Opened 3-60-30-90 Wtd Very Weak Air Blow. Rec. 550' Frksh Water IHP 1914 FHP 1914 IFP 108 FFP 415 ISIP 1542 FSIP 1488 BHT 138°

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		8.8	8.8	8.7
VISC.		40	38	38
W.L.-C.C.			28	
FLTR. CK.		2/32		
pH		9.0	9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 3555

REPORT No. 17

DATE: FEB 14 1970

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pac Pete

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

OPERATOR'S REPRESENTATIVE:

CONTRACTOR'S TOOL PUSHER: E. Mill

LOCATION: LSD. W | SEC. 123 | TWP. 2 | RGE. 100 | W. 29 | W. 4

WELL NAME: Pac Etal Coalson Lake | No. A-50 | PROVINCE N W T

DRILL PIPE STRING No. SIZE: 5 4½

TOOL JOINT: 5 3/4 OD | TYPE THD. FH

DRILL PIPE GRADE: E

PUMPS

No.	MANUFACTURER	TYPE
1.	Oilwell	214P
2.	Oil well	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	H-40	0	788	Const	780	1" 37° Cnl.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	7 1/4	6	
TRIPPING		1½	13/4
RIG MAINTENANCE	11/4	1/4	1/4
RIG REPAIRS			1
HOLE SURVEYS	1½	1/4	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			5
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.

No. OF LINES 8 SIZE 1 1/4

FEET SLIPPED 1648

FEET CUT OFF 1648

PRESENT LENGTH 3352

TON MI. or TRIPS SINCE LAST CUT 31

CUMULATIVE TON MI. or TRIPS 5777

No. OF DAYS FROM SPUD 26

CUMULATIVE ROTATING HRS. 278

DAYS SINCE LAST ACCDNT. 26

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 138

DAY TOUR 403

EVENING TOUR 337

FORM D1—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
37	STANDS DP	335249 FT.	Drilling or Core Bit No.	17 RR.
2	SNGLS. DP	61 55 FT.	TYPE	M88
	D.C. OD	FT.	SIZE	8 3/4
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	217037
	STB BODY OD	FT.	DEPTH IN	3753
1	SUBS C/O OD	1.09 FT.	DEPTH OUT	
1	BIT ~~SUB~~	4.12 FT.	FT. DRILLED	415
		FT.	FT. REAMED	
	Kelly Down	3100 FT.	FT. CORED	
	TOTAL	4168 FT.	CUM. HRS. RUN	44½.
WT OF STRING		125 LBS.	CONDITION	Run.

DRILLER: Lage Richards

WEATHER CONDITIONS: Fair w/ Snow.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
4095	73		4168		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	500	6"	54	7½
PUMP No. 2	-	5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4110	2°							

From	To	Elapsed Time		REMARKS
12	12:15		1/4	Serv. Rig + close Pipe Rams. OK.
12:15	2	1	3/4	DRLG 8 3/4" Hole.
2	2:30		1/2	Survey
2:30	8:00	5	1/2	DRLG 8 3/4" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.9	8.8	8.8
VISC.	43	42	42	41
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Lnyy 1" Stream WATER.			

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
38	STANDS DP	FT.	Drilling or Core Bit No.	17RR
2	SNGLS. DP	3504.80 FT.	TYPE	M88
	D.C. OD	FT.	SIZE	8 3/4
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD	FT.	SERIAL No.	217037
	STB BODY OD	FT.	DEPTH IN	3753
1	SUBS C/O OD	1.09 FT.	DEPTH OUT	4238
1	BIT ~~SUB~~	4.12 FT.	FT. DRILLED	485
		FT.	FT. REAMED	
	Kelly Down	9.82 FT.	FT. CORED	
	TOTAL	4238 FT.	CUM. HRS. RUN	50½
WT OF STRING		126 M LBS.	CONDITION	8-7-1

DRILLER: Wm Allsop

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
4164	70		4238		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	450	6"	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4235	2½°							

From	To	Elapsed Time		REMARKS
6:00	6:30		1/2	Drlg
6:30	6:45		1/4	Rig Service + BOP ✓ Hydril Closed OK
6:45	2:15	5	1/2	Drlg
2:15	2:30		1/4	Drop Survey
2:30	4:00	1	1/2	Hoist.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	8.8	T
VISC.	41	40	42	R.
W.L.-C.C.	28	26	26	I
FLTR. CK.	2/32	2/32	2/32	P
pH	8.5	8.5	8.5	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caus Tic	50 #		
Gel II	300 #		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
38	STANDS DP	FT.	Drilling or Core Bit No.	
2	SNGLS. DP	3504.80 FT.	TYPE	
	D.C. OD	FT.	SIZE	
24	6¼ OD	718.17 FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
1	SUBS C/O OD	1.09 FT.	DEPTH OUT	
1	BIT ~~SUB~~	4.12 FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	9.82 FT.	FT. CORED	
	TOTAL	4238.00 FT.	CUM. HRS. RUN	
WT OF STRING		126 M LBS.	CONDITION	

DRILLER: David Hardie

WEATHER CONDITIONS: Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
4238			4238			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time		REMARKS
4:00	5:45	1	3/4	COMPLETE TRIP OUT W/ BIT # 17RR
5:45	6:00		1/4	RIG. SER + CHECK BLIND + PIPE RAMS O.K.
6:00	7:00	1		CUT + SLIP 88' OF DRLG. LINE
7:00	12:00	5		RUN IN DRILL PIPE + LAY DOWN 131 JOINTS, TO BE REPLACE W/ STRAIGTEN PIPE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.	TRIP			
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

Gallons of Diesel Fuel on Hand at 8:00 a.m. 4011

REPORT No. 12

DATE: FEB 13 1970

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pac Petr.

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

LOCATION: W | LSD. 12 | SEC. 2 | TWP. 60 | RGE. 29 | W. 4

WELL NAME: Pac Petr Carlson Lake

No.: A-50

PROVINCE: N W T

DRILL PIPE STRING: No. 3 | SIZE 4½

TOOL JOINT: 5¾ OD | TYPE THD. FH

DRILL PIPE GRADE: E

OPERATOR'S REPRESENTATIVE: [signature]

CONTRACTOR'S TOOL PUSHER: E. Mill

PUMPS No.	MANUFACTURER	TYPE
1.	Oilwell	214 P
2.	Oilwell	214 P.
3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13⅜	54.40	0	238	Const	280	1"@70 Cal.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	7 11/4	7 1/4	7 3/4
TRIPPING			
RIG MAINTENANCE	1/4	1/4	1/4
RIG REPAIRS			
HOLE SURVEYS	1/2	1/2	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.

No. Or LINES 8 SIZE 1⅛

FEET SLIPPED 1560

FEET CUT OFF 1560

PRESENT LENGTH 3440

TON MI. or TRIPS SINCE LAST CUT 336

CUMULATIVE TON MI. or TRIPS 5712

No. OF DAYS FROM SPUD 25

CUMULATIVE ROTATING HRS. 250

DAYS SINCE LAST ACCDNT. 24

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 139

DAY TOUR 402

EVENING TOUR 336

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
35	STANDS DP	3170.09 FT.	Drilling or Core Bit No.	12 RERUN
1	SNGLS. DP	30.40 FT.	TYPE	M88
	D.C. OD	FT.	SIZE	8 3/4
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	217037
	STB BODY OD	FT.	DEPTH IN	3753
1	SUBS C/O OD	1.09 FT.	DEPTH OUT	
1	BIT SR.C.B.	4.12 FT.	FT. DRILLED	205
		FT.	FT. REAMED	
	Kelly Down	34.24 FT.	FT. CORED	
	TOTAL	3958 FT.	CUM. HRS. RUN	22¼
WT OF STRING		122M LBS.	CONDITION	Run.

DRILLER: K Richards

WEATHER CONDITIONS: Cold

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
3892	66		3958		45	45	PUMP No. 1	450	5½	54	7¼
							PUMP No. 2		6		

DEVIATION RECORD: DEPTH 3930 | DEV. 1 7/8° | DIRECTION R | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

From	To	Elapsed Time		REMARKS
12:00	12:15		¼	SLRS R.C.M. Pipe Rams. "OK"
12:15	4:30	4	¼	DRLG 8¾" Hole.
4:30	5:00		½	Survey
5:00	8:00	3		DRLG 8¾" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	8.8	8.8
VISC.	42	41	39	39
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
36	STANDS DP	FT.	Drilling or Core Bit No.	17RR
1	SNGLS. DP	3290.74 FT.	TYPE	M88
	D.C. OD	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 1/16
	RMR BODY OD	FT.	SERIAL No.	217037
	STB BODY OD	FT.	DEPTH IN	3753
1	SUBS C/O OD	1.09 FT.	DEPTH OUT	
1	BIT SR.C.B.	4.12 FT.	FT. DRILLED	276
		FT.	FT. REAMED	
	Kelly Down	14.48 FT.	FT. CORED	
	TOTAL	4029 FT.	CUM. HRS. RUN	29½
WT OF STRING		127M LBS.	CONDITION	Onls

DRILLER: Wm Abbott

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
3958	71		4029		45	45	PUMP No. 1	500	6	54	
							PUMP No. 2				

DEVIATION RECORD: DEPTH 4020 | DEV. 1 7/8° | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

From	To	Elapsed Time		REMARKS
8:00	8:30		½	Onls
8:30	8:45		¼	Rig Service + BOPV
8:45	2:45	6		Onls
2:45	3:15		½	Survey @ 4020 1 7/8°
3:15	4:00		¾	Onls.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	8.8	
VISC.	33	37	38	
W.L.-C.C.	25			
FLTR. CK.	2/32			
pH	9.5			
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000#		
CAUSTIC	50 lbs		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
37	STANDS DP	3352.49 FT.	Drilling or Core Bit No.	17R.R.
	SNGLS. DP	FT.	TYPE	M88
	D.C. OD	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	217037
	STB BODY OD	FT.	DEPTH IN	3753
1	SUBS C/O OD	1.09 FT.	DEPTH OUT	
1	BIT SDR.	4.12 FT.	FT. DRILLED	342
		FT.	FT. REAMED	
	Kelly Down	17.14 FT.	FT. CORED	
	TOTAL	4095.00 FT.	CUM. HRS. RUN	37¼
WT OF STRING		124M LBS.	CONDITION	O.B.

DRILLER: David Hardie

WEATHER CONDITIONS: COOL & CLEAR

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
4029	66		4095		45	45	PUMP No. 1	500	6	54	
							PUMP No. 2		5½		

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

From	To	Elapsed Time		REMARKS
4:00	7:00	3		DRLG. 8¾" HOLE
7:00	7:15		¼	RIG. SER. + B.O.P. CHECK HYDRIL O.K.
7:15	12:00	4	¾	DRLG. 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	8.8	8.8
VISC.	45	43	42	40
W.L.-C.C.	26		26	26
FLTR. CK.	2/32		2/32	2/32
pH	9.5		9.5	9.5
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 2380

REPORT No. 25

DATE: Feb 12/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pine Pete. | LOCATION: LSD. W | SEC. 12 | TWP. 60 | RGE. 29 | W. N. | WELL NAME: Pine Lital Carlson Lake | No. A-50 | PROVINCE: N.W.T.

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD. | RIG No. 16 | DRILL PIPE STRING No. SIZE 2 4½ | TOOL JOINT 5 3/4 OD, TYPE THD. FH | DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE: [illegible] | CONTRACTOR'S TOOL PUSHER: E. Mill

PUMPS

No.	MANUFACTURER	TYPE
1.	O.I. Will.	214 P
2.	O.I. Will	214 P.
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	11.40	0	788	Const	780	1" 3% Cal.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING		7 3/4	7 1/4
TRIPPING	3 1/4		
RIG MAINTENANCE		1/4	1/4
RIG REPAIRS			
HOLE SURVEYS			1/4
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS	3/4		
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	8 SIZE 1 1/8
FEET SLIPPED	1560
FEET CUT OFF	1560
PRESENT LENGTH	3440
TON MI. or TRIPS SINCE LAST CUT	336
CUMULATIVE TON MI. or TRIPS	5712

No. OF DAYS FROM SPUD	24
CUMULATIVE ROTATING HRS.	242 3/4
DAYS SINCE LAST ACCDNT.	23
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	136
DAY TOUR	140
EVENING TOUR	335

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
33	STANDS DP	2987.16 FT.	Drilling or Core Bit No.	17 RERUN.
1	SNGLS. DP	30.56 FT.	TYPE	M88
	D.C. OD	FT.	SIZE	8 3/4
24	D.C. 6 1/4 OD	718.17 FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD	FT.	SERIAL No.	217032
	STB BODY OD	FT.	DEPTH IN	
1	SUBS % OD	1.09 FT.	DEPTH OUT	3753
1	BIT ~~SIZE~~ B.	4.12 FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	11.30 FT.	FT. CORED	
	TOTAL	3753.10 FT.	CUM. HRS. RUN	
WT OF STRING		120 LBS.	CONDITION	

DRILLER K. Richards.

WEATHER CONDITIONS Fair.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
			3753			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12pm	12am	3/4	TESTING.
12am	5:15	4 1/2	Pull Packer Free, Hoist out, Break, Service & Lay Down Packer.
5:15	8pm	2 3/4	Make up Bit & Run in w/ Bit No 17 - Rerun. Break Circ
DST # 1			3544 - 3753 Arnica Johnston Sol Packing 1/2 B.H Chokes
Open 6-60-120-120 Wid Wash Dreadnaught in 40 mins. Rec 1179' Fresh Watery Mud. IHP 1648 FHP 1648 IFP 30 FFP 529 ISIP 1276 FSIP 1233 BHT 132			

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
34	STANDS DP	3074.79 FT.	Drilling or Core Bit No.	17 RERUN
	SNGLS. DP	FT.	TYPE	M84
	D.C. OD	FT.	SIZE	8 3/4
24	D.C. 6 1/4 OD	718.17 FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD	FT.	SERIAL No.	217037
	STB BODY OD	FT.	DEPTH IN	3753
1	SUBS % OD	1.09 FT.	DEPTH OUT	
1	BIT ~~SIZE~~ B.	4.12 FT.	FT. DRILLED	63
		FT.	FT. REAMED	
	Kelly Down	13.83 FT.	FT. CORED	
	TOTAL	3816 FT.	CUM. HRS. RUN	7 3/4
WT OF STRING		121M LBS.	CONDITION	Drlg

DRILLER Wm Abbott

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
3753	63		3816		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	400	6"	54	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
8:00	8:15	1/4	R.S. Service BOP
8:15	4:00	7 3/4	Drlg

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.4	8.8	8.8	8.8
VISC.	37	37	37	37
W.L.-C.C.				1
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
34	STANDS DP	3078.79 FT.	Drilling or Core Bit No.	17 RERUN
2	SNGLS. DP	62.48 FT.	TYPE	M88
24	D.C. 6 1/4 OD	718.17 FT.	SIZE	8 3/4
	OD	FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD	FT.	SERIAL No.	217037
	STB BODY OD	FT.	DEPTH IN	3753
1	SUBS % OD	1.09 FT.	DEPTH OUT	
1	BIT ~~SIZE~~ B.	4.12 FT.	FT. DRILLED	139
		FT.	FT. REAMED	
	Kelly Down	28.82 FT.	FT. CORED	
	TOTAL	3892.00 FT.	CUM. HRS. RUN	15
WT OF STRING		122M LBS.	CONDITION	O.B.

DRILLER David Hardie

WEATHER CONDITIONS Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
3816	76		3892		45	45
					42	

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	400	5 1/2	54	
PUMP No. 2		6		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3865	1 3/4°							

From	To	Elapsed Time	REMARKS
4:00	6:15	2 1/4	DRLG. 8 3/4" HOLE
6:15	6:30	1/4	RIG SER. + B.O.P CLOSE HYDRIL
6:30	9:00	2 1/2	DRLG. 8 3/4" HOLE
9:00	9:30	1/2	SURVEY @ 3865
9:30	12:00	2 1/2	DRLG. 8 3/4" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	8.8	8.8
VISC.	40	40	40	43
W.L.-C.C.			19.2	
FLTR. CK.			2/32	
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 23547

REPORT No. 24

DATE: FEB 11 / 70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pac Pete

LOCATION: LSD. W | SEC. 23 | TWP. 60 | RGE. 29 | W. M.

WELL NAME: Pac Etal Cadotte Lake | No. A 50 | PROVINCE: N WT

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD. | RIG No. 16

DRILL PIPE STRING No. SIZE: 5 4½ | TOOL JOINT 5 3/4 OD | TYPE THD. FH | DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE: [signature]

CONTRACTOR'S TOOL PUSHER: E. Mill

PUMPS

No.	MANUFACTURER	TYPE
1.	Oil well	214 P
2.	Oil well	214 P.
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	H-40	0	788	Const	780 sx.	1% CaCl

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	7 1/4	1/4	
TRIPPING		1 3/4	2
RIG MAINTENANCE	1/4	1/4	1/4
RIG REPAIRS		3 1/4	
HOLE SURVEYS	1/2		
CONDITIONING MUD			
CONDITIONING HOLE		1/2	
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING TESTING			5 3/4
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS		1	
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	3
No. OF LINES	8 SIZE 1 1/4
FEET SLIPPED	1560
FEET CUT OFF	1560
PRESENT LENGTH	3440
TON MI. or TRIPS SINCE LAST CUT	272
CUMULATIVE TON MI. or TRIPS	5638
No. OF DAYS FROM SPUD	23
CUMULATIVE ROTATING HRS.	227 3/4
DAYS SINCE LAST ACCDNT.	22
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	135
DAY TOUR	400
EVENING TOUR	334

FORM D1—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
33	STANDS DP	2987.16 FT.	Drilling or Core Bit No.	16
	SNGLS. DP	30.56 FT.	TYPE	M 88
	D.C. OD	FT.	SIZE	8 3/4
24	6 1/4 OD	718.17 FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD	FT.	SERIAL No.	217037
	STB BODY OD	FT.	DEPTH IN	3557
1	SUBS % OD	1.09 FT.	DEPTH OUT	
1	BIT OR S.B. SUB	4.12 FT.	FT. DRILLED	193.
		FT.	FT. REAMED	
	Kelly Down	10.00 FT.	FT. CORED	
	TOTAL	3750. FT.	CUM. HRS. RUN	19
WT OF STRING	120M LBS.		CONDITION	Run.

DRILLER: K Richards

WEATHER CONDITIONS: Fair.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3664	86		3750		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	400	6"	54	
PUMP No. 2				

DEVIATION RECORD: DEPTH 3750 | DEV. 1° | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

From	To	Elapsed Time		REMARKS
12:00	12:15		1/4	Serv Rig + Close Pipe Rams. Remote "OK"
12:15	7:30	7	11/4	Drlg 8 3/4" Hole.
7:30	8:00		1/2	Survey

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	8.8	8.8
VISC.	40	39	42	39
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
33	STANDS DP	FT.	Drilling or Core Bit No.	16
1	SNGLS. DP	3017.72 FT.	TYPE	M88
	D.C. OD	FT.	SIZE	8 3/4
24	6 1/4 OD	718.17 FT.	NOZZ. SIZE	3-4/16
	RMR BODY OD	FT.	SERIAL No.	217037
	STB BODY OD	FT.	DEPTH IN	3557
1	SUBS % OD	1.09 FT.	DEPTH OUT	3753
1	BIT OR S.B. SUB	4.12 FT.	FT. DRILLED	196
		FT.	FT. REAMED	
	Kelly Down	11.30 FT.	FT. CORED	
	TOTAL	3753.10 FT.	CUM. HRS. RUN	19 1/4
WT OF STRING	120M LBS.		CONDITION	2-2-1

DRILLER: Wm Abbott

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3750	3		3753		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	400	6"	54	
PUMP No. 2				

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

From	To	Elapsed Time		REMARKS
8:00	8:15		1/4	Rig Service + BOP
8:15	8:30		1/4	Drlg.
8:30	10:00	1	1/2	Circ Prior To Testing Blowout Drill Held
10:00	10:15	3	1/4	Brake Survey Work On Brake Bands
10:15	3:00	1	3/4	Hoist. Strapout.
3:00	4:00	1		Make up DST No 1.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9			
VISC.	37			
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MEAS. OUT - 3753.79
BOARD TALLY - 3753.00
DIFF .79
No Corr.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
33	STANDS DP	FT.	Drilling or Core Bit No.	
1	SNGLS. DP	3017.72 FT.	TYPE	
	D.C. OD	FT.	SIZE	
24	6 1/4 OD	718.17 FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
1	SUBS % OD	1.09 FT.	DEPTH OUT	
1	BIT OR S.B. SUB	4.12 FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	11.30 FT.	FT. CORED	
	TOTAL	3753.10 FT.	CUM. HRS. RUN	
WT OF STRING	120M LBS.		CONDITION	

DRILLER: David Hardie

WEATHER CONDITIONS: Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3753	-		3753			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1		6"		
PUMP No. 2		5½"		

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

From	To	Elapsed Time		REMARKS
4:00	4:15		1/4	RIG SER + B.O.P
4:15	5:00		3/4	COMPLETE MAKING UP D.S.T #1
5:00	7:00	2		TRIP IN W/ D.S.T #1
7:00	7:30		1/2	RIG UP TO TEST
7:30	12:00	4	1/2	TESTING

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

Gallons of Diesel Fuel on Hand at 8:00 a.m. 4400

REPORT No. 53.

DATE: FEB 10 1972

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pac Pet

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

OPERATOR'S REPRESENTATIVE: K. Olson.

RIG No. 16 | DRILL PIPE STRING No. SIZE 2 4½ | TOOL JOINT 5 3/4 OD | TYPE THD. FH | DRILL PIPE GRADE E

CONTRACTOR'S TOOL PUSHER: L. Mill

LOCATION: W 123 | LSD. | SEC. 2 | TWP. 60 | RGE. 29 | W. N

WELL NAME: Pac ETAL Coulson Lake | No. A50 | PROVINCE NWT

PUMPS

No.	MANUFACTURER	TYPE
1.	Oilwell	214.P
2.	Oilwell	214.P.
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13 3/8	H.40	0	708	Const	780	1½% Cal.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	6	4½	7¼
TRIPPING	1½	3¼	
RIG MAINTENANCE	¼	¼	¼
PIG REPAIRS			
HOLE SURVEYS	¼		½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES 8 SIZE	1/4
FEET SLIPPED	1560
FEET CUT OFF	1560
PRESENT LENGTH	3440
TON MI. or TRIPS SINCE LAST CUT	202
CUMULATIVE TON MI. or TRIPS	5568

No. OF DAYS FROM SPUD	22
CUMULATIVE ROTATING HRS.	219¼
DAYS SINCE LAST ACCDNT.	174

DRILLER ACCDNT. FREE DAYS

MORNING TOUR	134
DAY TOUR	399
EVENING TOUR	334

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
31	STANDS DP	2804.90 FT.	Drilling or Core Bit No.	15
	SNGLS. DP	FT.	TYPE	X55R
	OD D.C.	FT.	SIZE	8 3/4
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	15259
	STB BODY OD	FT.	DEPTH IN	3186
1	SUBS C/O OD	1.09 FT.	DEPTH OUT	3557
1	BIT OR C.B. SUB	4.12 FT.	FT. DRILLED	371
		FT.	FT. REAMED	
	Kelly Down	29.00 FT.	FT. CORED	
	TOTAL	3557. FT.	CUM. HRS. RUN	33.
WT OF STRING		115M LBS.	CONDITION	2-2-1

DRILLER: Ray Richards

WEATHER CONDITIONS: Fair.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3495	62.		3557		45	42

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	400	6	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3557.	1°							

From	To	Elapsed Time	REMARKS
12:00	12:15	¼	Ser Rig. close Pipe Rams "on"
12:15	6:45	6	Drlg 8 3/4" Hole - Blow out Drill on Cond. Close Hydril "on"
6:45	8:00	1 3/4	Drop Survey & Hoist

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	8.8	T
VISC.	38	36	38	R
W.L.-C.C.				P.
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
31	STANDS DP	2483.40 FT.	Drilling or Core Bit No.	16
1	SNGLS. DP	FT.	TYPE	M88
	OD D.C.	FT.	SIZE	8 3/4
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3-11/16
	RMR BODY OD	FT.	SERIAL No.	217037
	STB BODY OD	FT.	DEPTH IN	3557
1	SUBS C/O OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. SUB	4.12 FT.	FT. DRILLED	37
		FT.	FT. REAMED	
	Kelly Down	35.22 FT.	FT. CORED	
	TOTAL	3594 FT.	CUM. HRS. RUN	4½
WT OF STRING		LBS.	CONDITION	D.L.S

DRILLER: Wm Abbott

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3557	37		3594		40/46	12/20/40/45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	400	6	54	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
6:00	6:15	¼	Finish out W/Bit IV0 15.
6:15	6:30	¼	Rig Service BOPV Remote Controls OK
6:30	11:30	2	Make up + Run in W/Bit IV0 16.
11:30	4:00	4½	Drlg.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8	8+	8.9	8.9
VISC.	R	37	37	38
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
32	STANDS DP	2895.38 FT.	Drilling or Core Bit No.	16
1	SNGLS. DP	31.13 FT.	TYPE	M88
	OD D.C.	FT.	SIZE	8 3/4
24	6¼ OD	718.17 FT.	NOZZ. SIZE	3 11/16
	RMR BODY OD	FT.	SERIAL No.	217037
	STB BODY OD	FT.	DEPTH IN	3557
1	SUBS C/O OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. SUB	4.12 FT.	FT. DRILLED	107
		FT.	FT. REAMED	
	Kelly Down	14.11 FT.	FT. CORED	
	TOTAL	3664.00 FT.	CUM. HRS. RUN	11 3/4
WT OF STRING		118M LBS.	CONDITION	O.B.

DRILLER: David Hardie

WEATHER CONDITIONS: Mild

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3594	70		3664		45	45

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	400	6"	54	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3650	1°							

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	DRLG. 8¾" HOLE
4:15	4:30	¼	RIG. SER. + B.O.P.
4:30	10:15	5 3/4	DRLG. 8¾" HOLE
10:15	10:45	½	SURVEY @ 3650 1°
10:45	12:00	1¼	DRLG. 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8+	8.8	8.8	8.8
VISC.	38	38	40	38
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL.	350#		

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 4387

REPORT No. 12.

DATE: FEB 9 1970

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pac Pete

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

OPERATOR'S REPRESENTATIVE: L Olson.

RIG No.: 16

DRILL PIPE STRING No. SIZE: 3 — 4½

TOOL JOINT: 5¾ OD; TYPE THD. FH

DRILL PIPE GRADE: E.

CONTRACTOR'S TOOL PUSHER: E. Mill

LOCATION: LSD. W | SEC. 23 | TWP. 60 | RGE. 29 | W. N

WELL NAME: Pacific ETAL Carlson Lake

No.: A 50

PROVINCE: N W T.

PUMPS

No.	MANUFACTURER	TYPE
1.	Oil well	214 P
2.	Oil well	214 P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13¾	H-40	0	288	Const	780	1½" Cal.

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	6¾	7¼	7¼
TRIPPING			
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS	1	½	½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	8 SIZE ⅛
FEET SLIPPED	1560
FEET CUT OFF	1560
PRESENT LENGTH	3440
TON MI. or TRIPS SINCE LAST CUT	103
CUMULATIVE TON MI. or TRIPS	5469
No. OF DAYS FROM SPUD	21
CUMULATIVE ROTATING HRS.	201½
DAYS SINCE LAST ACCDNT.	173
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	133
DAY TOUR	398
EVENING TOUR	555

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
28	STANDS DP	2531.01 FT.	Drilling or Core Bit No.	15
1	SNGLS. DP	6.04 FT.	TYPE	X55R
	D.C. OD	FT.	SIZE	8¾
14	D.C. 6¼ OD	719.17 FT.	NOZZ. SIZE	3 — 11/16
	RMR BODY OD	FT.	SERIAL No.	15259
	STB BODY OD	FT.	DEPTH IN	3186
1	SUBS % OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. Sub	4.12 FT.	FT. DRILLED	144
		FT.	FT. REAMED	
	Kelly Down	15' FT.	FT. CORED	
	TOTAL	33.30 FT.	CUM. HRS. RUN	12½
WT OF STRING		112M LBS.	CONDITION	Run.

DRILLER: X Richards.

WEATHER CONDITIONS: Balmy

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3244	86		3330		45	42M

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	400#	6	54	6¾
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3260	2 11/8		3324	1¾				

From	To	Elapsed Time		REMARKS
12M	12¹⁵		¼	SERV RIG. & close HyDRill. "OK"
12¹⁵	1:30	1	¼	DRLG 8¾" Hole.
1:30	2:00		½	SURVEY AT 3260
2:00	6⁴⁵	4	¾	DRLG 8¾" Hole.
6⁴⁵	7⁰⁰		½	Survey AT 3324
7:00	9:00		¾	DRLG 8¾" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9	8.8	8.8	8.8
VISC.	39	38	37	37
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Cal	1800#		

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
29	STANDS DP	FT.	Drilling or Core Bit No.	15
2	SNGLS. DP	26.82.88 FT.	TYPE	X55R
	D.C. OD	FT.	SIZE	8¾
24	D.C. 6¼ OD	718.17 FT.	NOZZ. SIZE	3 — 11/16
	RMR BODY OD	FT.	SERIAL No.	15259
	STB BODY OD	FT.	DEPTH IN	3186
1	SUBS % OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. Sub	4.12 FT.	FT. DRILLED	234
		FT.	FT. REAMED	
	Kelly Down	13.74 FT.	FT. CORED	
	TOTAL	3420 FT.	CUM. HRS. RUN	19¾
WT OF STRING		LBS.	CONDITION	Drlg

DRILLER: Wm Abbott.

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3330	90		3420		45	42.

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	400	6	53	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3414	1¼							

From	To	Elapsed Time		REMARKS
6:00	6:30	1	½	Drlg.
6:30	6:45		¼	Rig Service & BOP
6:45	3:00	5	¼	Drlg
3:00	3:30		½	Survey 3414 — 1¼°
3:30	4:00		½	Drlg

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.0	8.8	8.8	
VISC.	36	36	38	
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000		
Caustic	50#		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
28	STANDS DP	2713.88 FT.	Drilling or Core Bit No.	15
1	SNGLS. DP	30.41 FT.	TYPE	X55R
	D.C. OD	FT.	SIZE	8¾
24	D.C. 6¼ OD	718.17 FT.	NOZZ. SIZE	3 — 11/16
	RMR BODY OD	FT.	SERIAL No.	15259
	STB BODY OD	FT.	DEPTH IN	3186
1	SUBS % OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. Sub	4.12 FT.	FT. DRILLED	307
		FT.	FT. REAMED	
	Kelly Down	27.33 FT.	FT. CORED	
	TOTAL	3495.08 FT.	CUM. HRS. RUN	27
WT OF STRING		112M LBS.	CONDITION	O.B.

DRILLER: David Hardie

WEATHER CONDITIONS: MUD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
3420	75		3495		45	42

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	400	6	53	
PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3470	1¼°							

From	To	Elapsed Time		REMARKS
4:00	6:00	2		DRLG. 8¾" HOLE
6:00	6:15		¼	RIG SER. & B.O.P. DRILL CLOSE HYDRIL O.K.
6:15	9:15	3		DRLG. 8¾" HOLE
9:15	9:45		½	SURVEY @ 3470 1¼°
9:45	12:00	2	¼	DRLG. 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8	8.8	8.8	
VISC.	35	40	38	
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000#		

FORM D2—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 3547

REPORT No. 13 R

DATE: FEB 8 1970.

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETE

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

OPERATOR'S REPRESENTATIVE: L. LeCon

CONTRACTOR'S TOOL PUSHER: D. Mill

LOCATION LSD. SEC. TWP. RGE. W: W 123° 2' 62° 29' N

DRILL PIPE STRING No. SIZE: 2 4½

TOOL JOINT: 5¾ OD; TYPE THD. FH

DRILL PIPE GRADE: E

WELL NAME: PACIFIC ETAL CARLSON LAKE No. A-50

PROVINCE: ~~ALTA.~~ N.W.T.

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214-P
2.	OILWELL	214-B
3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13⅜	H-40	0	788	CONST.	780	1½% CACL²

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	7½	4¼	5¾
TRIPPING		2	2
RIG MAINTENANCE	¾	¼	¼
RIG REPAIRS			
HOLE SURVEYS	¼	¼	
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS	2"	3¼	
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.

No. OF LINES 8 SIZE 1-3

FEET SLIPPED 1560

FEET CUT OFF 1560

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT 100

CUMULATIVE TON MI. or TRIPS 5444

No. OF DAYS FROM SPUD 20

CUMULATIVE ROTATING HRS. 180¼

DAYS SINCE LAST ACCDNT. 1702

DRILLER ACCDNT. FREE DAYS

MORNING TOUR	332
DAY TOUR	~~FF~~ 132
EVENING TOUR	397

FORM D1—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
26	STANDS DP	2348.23 FT.	Drilling or Core Bit No.	14
1	SNGLS. DP	30.40 FT.	TYPE	X55R
24	D.C. 6¼ OD	718.17 FT.	SIZE	8¾
	OD	FT.	NOZZ. SIZE	4-13/16-14
	RMR BODY OD	FT.	SERIAL No.	15206
	STB BODY OD	FT.	DEPTH IN	2772
1	SUBS 5/6 OD	1.09 FT.	DEPTH OUT	
1	BIT ~~OR C.B.~~ SUB	4.12 FT.	FT. DRILLED	360
		FT.	FT. REAMED	
	Kelly Down	29.99 FT.	FT. CORED	
	TOTAL	3132.00 FT.	CUM. HRS. RUN	39¼
WT OF STRING	105M LBS.		CONDITION	O.B.

DRILLER David Hardie

WEATHER CONDITIONS COOL

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
3060	~~68~~ 72		3132		45	40	PUMP No. 1	825	6	52	7½
							PUMP No. 2		5½		

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3070	2⅝°							

From	To	Elapsed Time	REMARKS
12:00	1:45	1 3/4	DRLG. 8¾" HOLE
1:45	2:00	¼	SURVEY @ 3070 2⅝°
2:00	2:15	¼	RIG SER. + B.O.P.
2:15	8:00	5 3/4	DRLG. 8¾" HOLE

MUD RECORD				
TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.8+	8.9	8.9	8.9
VISC.	36	40	40	39
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3000#		

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
29	STANDS DP	2439.93 FT.	Drilling or Core Bit No.	14
	SNGLS. DP	FT.	TYPE	X55R.
24	D.C. 6¼ OD	718.17 FT.	SIZE	8¾
	OD	FT.	NOZZ. SIZE	4-13/16-14
	RMR BODY OD	FT.	SERIAL No.	15206
	STB BODY OD	FT.	DEPTH IN	2772
1	SUBS 5/6 OD	1.09 FT.	DEPTH OUT	3186
½	BIT OR C.B.	4.12 FT.	FT. DRILLED	414
		FT.	FT. REAMED	
	Kelly Down	23.00 FT.	FT. CORED	
	TOTAL	3186 FT.	CUM. HRS. RUN	43½
WT OF STRING	108M LBS.		CONDITION	3.T.I

DRILLER K Richards

WEATHER CONDITIONS Fair.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
3132	54		3186		45	40	PUMP No. 1	825	6	52	4¼
							PUMP No. 2				

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3130	2⅞		3186	2¼				

From	To	Elapsed Time	REMARKS
8:00	9:15	1/4	Serv Rig - close Pipe Rams Remote. "OK"
9:15	9:45	1/2	Survey
9:45	1:00	-4 1/4	DRLG 8¾" Hole.
1:00	1:15	1/4	Drop Survey.
1:15	3:15	2	Blow Kelly - Hoist pipe
3:15	4:00	3/4	Check all Remote Control Values. ALL REMOTE CONTROLS WORKING OK.

MUD RECORD				
TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9			
VISC.	39			
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
27	STANDS DP	FT.	Drilling or Core Bit No.	15
2	SNGLS. DP	250.37 FT.	TYPE	X55A
	OD	FT.	SIZE	8¾
24	D.C. 6¼ OD	718.17 FT.	NOZZ. SIZE	3-1/16
	RMR BODY OD	FT.	SERIAL No.	15259
	STB BODY OD	FT.	DEPTH IN	3186
1	SUBS 5/6 OD	1.09 FT.	DEPTH OUT	
1	BIT OR C.B. SUB	4.12 FT.	FT. DRILLED	58
		FT.	FT. REAMED	
	Kelly Down	18.75 FT.	FT. CORED	
	TOTAL	3244 FT.	CUM. HRS. RUN	5¾
WT OF STRING	110M LBS.		CONDITION	Drlg

DRILLER Wm Abbott

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
3186	58		3244		45	45M	PUMP No. 1	400	6"	52	
							PUMP No. 2				

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

From	To	Elapsed Time	REMARKS
4:00	4:15	1/4	Rig Service.
4:15	6:15	2	Running W/ Bit No 15
6:15	12:00	5 3/4	Drlg 8¾" Hole.

MUD RECORD				
TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		8.9	8.9	8.9
VISC.		36	39	38
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2000		
Caustic	50		

Gallons of Diesel Fuel on Hand at 8:00 a.m. 11929 Gal

REPORT No. 20

DATE: FEB 7/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETE.

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

OPERATOR'S REPRESENTATIVE: L. Hoos

RIG No.: 16

DRILL PIPE STRING No. SIZE: 2 4½

TOOL JOINT: 5¾ OD; TYPE THD. F.H.

DRILL PIPE GRADE: E

CONTRACTOR'S TOOL PUSHER: E. Mill

LOCATION LSD. W SEC. 123° TWP. 2' RGE. 62° W. 29' N

WELL NAME: PACIFIC ETAL CARLSON LAKE No. A-50

PROVINCE: N.W.T.

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214P
2.	OILWELL	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H-40	0	788	CONST.	780	1½% CaCl²

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	7	7¼	7¼
TRIPPING			
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS	¾	½	½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	4

WIRE LINE RECORD

REEL No.	
No. OF LINES	6 SIZE 1⅛
FEET SLIPPED	1560
FEET CUT OFF	1560
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	20
CUMULATIVE TON MI. or TRIPS	5386
No. OF DAYS FROM SPUD	19
CUMULATIVE ROTATING HRS.	162¾
DAYS SINCE LAST ACCDNT.	170
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	331
DAY TOUR	
EVENING TOUR	396

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
24	STANDS DP	2165.95 FT.	Drilling or Core Bit No.	14
	SNGLS. DP	FT.	TYPE	X55R
	D.C. OD	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	1/11 1/13 1/14
	RMR BODY OD	FT.	SERIAL No.	15206
	STB BODY OD	FT.	DEPTH IN	2772
1	SUBS 6¼ OD	1.09 FT.	DEPTH OUT	
1	BIT ~~OR C.B.~~ SUB	4.12 FT.	FT. DRILLED	128
		FT.	FT. REAMED	
	Kelly Down	10.68 FT.	FT. CORED	
	TOTAL	2900.00 FT.	CUM. HRS. RUN	17¼
	WT OF STRING	100M LBS.	CONDITION	O.B.

DRILLER: David Hardie

WEATHER CONDITIONS: Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
2834	56		2900		45	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	825	6	52	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2834	4½°		2865	4½°		2895	4½°	

From	To	Elapsed Time	REMARKS
12:00	12:15	¼	SURVEY @ 2834 4½°
12:15	12:30	¼	RIG + B.O.P
12:30	4:00	3½	DRLG. 8¾" HOLE
4:00	4:30	½	SURVEY @ 2865 4½°
4:30	7:15	2¾	DRLG 8¾ HOLE
7:15	7:45	½	SURVEY
7:45	8:00	¼	DRILLING 8¾" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9	8.9	8.9	8.9
VISC.	36	38	38	37
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	200#		

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
24	STANDS DP	2165.95 FT.	Drilling or Core Bit No.	14
2	SNGLS. DP	60.27 FT.	TYPE	X55R
24	D.C. 6¼ OD	718.17 FT.	SIZE	8¾
	OD	FT.	NOZZ. SIZE	1/11 1/13 1/14
	RMR BODY OD	FT.	SERIAL No.	15206
	STB BODY OD	FT.	DEPTH IN	2772
1	SUBS C/O OD	1.09 FT.	DEPTH OUT	
1	BIT ~~OR C.B.~~ SUB	4.12 FT.	FT. DRILLED	213.
		FT.	FT. REAMED	
	Kelly Down	31.24 FT.	FT. CORED	
	TOTAL	2985 FT.	CUM. HRS. RUN	24½
	WT OF STRING	102M LBS.	CONDITION	Run.

DRILLER: K Richards.

WEATHER CONDITIONS: Fair.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
2900	86		2986		45	40M

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	825	6"	52	7¼
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2950	3½°							

From	To	Elapsed Time	REMARKS
8:00	8:15	¼	Serv Rig + close Hydril By Remote.
8:15	1:15	5	DRLG 8¾" Hole.
1:15	1:45	½	Survey
1:45	4:00	2¼	DRLG 8¾" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9	8.9	8.9	8.8
VISC.	35	37	37	38
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	120#		

Dump & clean Shaker Tank & No 2 Settling Tank.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
25	STANDS DP	FT.	Drilling or Core Bit No.	14
2	SNGLS. DP	2317.33 FT.	TYPE	X55R
	D.C. OD	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	1/11 1/13 1/14
	RMR BODY OD	FT.	SERIAL No.	15206
	STB BODY OD	FT.	DEPTH IN	2772.
1	SUBS C/O OD	1.09 FT.	DEPTH OUT	
1	BIT ~~OR C.B.~~ SUB	4.12 FT.	FT. DRILLED	288
		FT.	FT. REAMED	
	Kelly Down	19.29 FT.	FT. CORED	
	TOTAL	3060 FT.	CUM. HRS. RUN	31.75
	WT OF STRING	104M LBS.	CONDITION	DrLg

DRILLER: Wm Ashbacher

WEATHER CONDITIONS: COLD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
2985	75		3060		45	40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	850	6"	52	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3012	3⅞°							

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	Rig Service + BOP ✓
4:15	7:00	3	DrLg
7:00	7:30	½	Survey @ 3012 - 3⅞°
7:30	12:00	4½	DrLg

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9	8.9	8.9	8.8
VISC.	36	38	36	37
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	150#		

FORM D1 1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 2488

REPORT No. 19

DATE: FEB 6/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETE.
CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.
RIG No.: 16
OPERATOR'S REPRESENTATIVE: T. Olson
CONTRACTOR'S TOOL PUSHER: E. Mill

LOCATION: LSD. W 123° 21' SEC. 62° 29' TWP. N RGE. W.
DRILL PIPE STRING No. SIZE: 3 4½
TOOL JOINT: 5¾ OD
TYPE THD.: FH
DRILL PIPE GRADE: E

WELL NAME: PACIFIC ETAL CARLSON LAKE No. A-50
PROVINCE: N.W.T

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214-P
2.	OILWELL	214-P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H-40	0	789	CONST.	789	1½% CACL²

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	11½	5¼	4½
TRIPPING	5½		
RIG MAINTENANCE	¼	¼	
RIG REPAIRS	1		
HOLE SURVEYS	½		½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom	½		
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS		2½	3
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	8 SIZE 1¼
FEET SLIPPED	1560
FEET CUT OFF	1560
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	20
CUMULATIVE TON MI. or TRIPS	5386
No. OF DAYS FROM SPUD	18
CUMULATIVE ROTATING HRS.	141¼
DAYS SINCE LAST ACCDNT.	170
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	330
DAY TOUR	
EVENING TOUR	395

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
22	STANDS DP	1985.18 FT.	Drilling or Core Bit No.	14
2	SNGLS. DP	FT.	TYPE	X55R
24	D.C. OD	718.17 FT.	SIZE	8 3/4
	OD	FT.	NOZZ. SIZE	11 11 13 1/4
	RMR BODY OD	FT.	SERIAL No.	15206
	STB BODY OD	FT.	DEPTH IN	2772
1	SUBS OD	1.09 FT.	DEPTH OUT	
1	BIT OD C.B.	4.12 FT.	FT. DRILLED	3
		FT.	FT. REAMED	
	Kelly Down	5.60 FT.	FT. CORED	
	TOTAL	2775.00 FT.	CUM. HRS. RUN	½
WT OF STRING	102M LBS.		CONDITION	O.B.

DRILLER: David Hardie
WEATHER CONDITIONS: COLD 2015.84

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
2772	3		2775		50	20	PUMP No. 1	825	6	52	
							PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2772	4 3/4							

From	To	Elapsed Time		REMARKS
12:00	3:00	3		PULL OUT W/FISH
3:00	3:15		¼	RIG SER. + BOP.
3:15	4:15	1		SLIP + CUT 88' OF DRIG. LINE
4:15	6:45	2	½	RUN IN W/BIT # 14
6:45	7:00		¼	BLOW KELLY, BREAK CIRC. + CLEAN 15' OF FILL
7:00	7:30		½	DRIG. 8¾" HOLE
7:30	8:00		½	SURVEY @ 2772

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.	T			
W.L.-C.C.	R			
FLTR. CK.				
pH	LP			
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
23	STANDS DP	20.75 26 FT.	Drilling or Core Bit No.	14
	SNGLS. DP	FT.	TYPE	X55R
24	D.C. 22 OD	718.17 FT.	SIZE	8 3/4
	OD	0 FT.	NOZZ. SIZE	11 11 13 1/4
	RMR BODY OD	FT.	SERIAL No.	15206
	STB BODY OD	FT.	DEPTH IN	2772
1	SUBS OD	1.09 FT.	DEPTH OUT	
1	BIT OD C.B.	4.12 FT.	FT. DRILLED	36
		FT.	FT. REAMED	
	Kelly Down	11' FT.	FT. CORED	
	TOTAL	2809 FT.	CUM. HRS. RUN	5¾ 8¾
WT OF STRING	102M LBS.		CONDITION	R.W.

DRILLER: R. Richards
WEATHER CONDITIONS: FAIR.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
2775	34	~~2809~~	2809		50	20M	PUMP No. 1	825	6	52	5¼
							PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time		REMARKS
8:00	8:15		¼	SERV R.C + CLOSE PIPE RAM'S - OK
8:15	1:30	5	¼	DRLG 8¾" HOLE.
1:30	4:00			CON AT 2809 - HOOKED CAT LINE + BLOCK'S AT MONKEY BOARD.
		2.	½	WORK ON SAME TO FREE.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.0	9.0	9.0	
VISC.	40	37	38	
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
23	STANDS DP	207526 FT.	Drilling or Core Bit No.	14
	SNGLS. DP	FT.	TYPE	X55A
	D.C. OD	FT.	SIZE	8 3/4
24	6¼ OD	718.17 FT.	NOZZ. SIZE	1 1 13 1/4
	RMR BODY OD	FT.	SERIAL No.	15206
	STB BODY OD	FT.	DEPTH IN	2772
1	SUBS OD	1.09 FT.	DEPTH OUT	
1	BIT OD C.B.	4.12 FT.	FT. DRILLED	62
		FT.	FT. REAMED	
	Kelly Down	35.36 FT.	FT. CORED	
	TOTAL	2834 FT.	CUM. HRS. RUN	10¼
WT OF STRING	100M LBS.		CONDITION	

DRILLER: Wm Abbott
WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
2809	25		2834		45	28	PUMP No. 1	825	6	52	
							PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2800	~~4~~ 4½							

From	To	Elapsed Time		REMARKS
4:00	7:00	3		FREE TRAVELING BLOCK OF ROPE
7:00	7:15		¼	DRLG
7:15	7:45		½	SURVEY @ 2800-4½°
7:45	12:00	4	¼	DRLG

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT			8.9	9.0
VISC.			3.5	38
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1500#		
CAUSTIC	50 lbs		

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. _____ REPORT No. 19 DATE: FEB. 5/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETE

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

OPERATOR'S REPRESENTATIVE: L. Olson

CONTRACTOR'S TOOL PUSHER: E. Mill

LOCATION: LSD. — SEC. — TWP. 62° 29' — RGE. W 4 123° 2' — W N

DRILL PIPE STRING No. SIZE: 2 4½

TOOL JOINT: 5" ¾ OR — TYPE THD E H

DRILL PIPE GRADE: E

WELL NAME: PACIFIC ETAL CARLSON LAKE — No. A-50 — PROVINCE N.W.T.

PUMPS

No	MANUFACTURER	TYPE
1	OILWELL	214-P
2	OILWELL	214-P

CASING & LINER RECORD

SIZE	WT & GR	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	H-40	0	783	CONST.	790 SAX	1½% CACL²

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	4¼	14½	3¾
TRIPPING	3	¼	3
RIG MAINTENANCE	¼	¼	
RIG REPAIRS			
HOLE SURVEYS	½		
CONDITIONING MUD			1
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			1½
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			1¾
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	6 SIZE 1¼
FEET SLIPPED	1472
FEET CUT OFF	1472
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	427
CUMULATIVE TON MI. or TRIPS	5366
No. OF DAYS FROM SPUD	17
CUMULATIVE ROTATING HRS.	131
DAYS SINCE LAST ACCDNT.	169
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	329
DAY TOUR	
EVENING TOUR	394

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
22	STANDS DP	1954.16 FT.	Drilling or Core Bit No.	12
1	SNGLS. DP	30.72 FT.	TYPE	ODV-J
24	D.C. 6¼ OD	718.17 FT.	SIZE	8 ¾
	OD	FT.	NOZZ. SIZE	3/13 1/12
	RMR BODY OD	FT.	SERIAL No.	20871
	STB BODY OD	FT.	DEPTH IN	2651
1	SUBS 6/0 OD	1.09 FT.	DEPTH OUT	2737
1	BIT Stab. Sub	4.12 FT.	FT. DRILLED	86
		FT.	FT. REAMED	
	Kelly Down	28.44 FT.	FT. CORED	
	TOTAL	2737.00 FT.	CUM. HRS. RUN	10
WT OF STRING	91M LBS.		CONDITION	R.3.1

DRILLER: David Hardie

WEATHER CONDITIONS: COLD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
2710	20		2737		120 130	8 0 12

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	850	6"	52	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2713	6½°		2735	5°				

From	To	Elapsed Time	REMARKS
12:00	12:30	½	DRLG 8¾" HOLE
12:30	12:45	¼	SURVEY @ 2713 - 5½°
12:45	1:00	¼	RIG SER + BOP
1:00	4:45	3¾	DRLG 8¾" HOLE
4:45	5:00	¼	DROP SURVEY @ 2735
5:00	8:00	3	TRIP OUT W/BIT #12

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.0	9.0	9.1	
VISC.	38	40	40	
W.L.-C.C.				
FLTR. CK.				
pH			9.0	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT	TYPE	AMT.
G.E.H	200#		

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
22	STANDS DP	1985.18 FT.	Drilling or Core Bit No.	13
1	SNGLS. DP	30.44 FT.	TYPE	ODV-J
24	D.C. 6¼ OD	718.17 FT.	SIZE	8 ¾
	OD	FT.	NOZZ. SIZE	3/13 1/12
	RMR BODY OD	FT.	SERIAL No.	16695
	STB BODY OD	FT.	DEPTH IN	2737
1	SUBS 6/0 OD	1.09 FT.	DEPTH OUT	
1	BIT Stab. Sub	4.12 FT.	FT. DRILLED	32
		FT.	FT. REAMED	
	Kelly Down	30.24 FT.	FT. CORED	
	TOTAL	2769 FT.	CUM. HRS. RUN	42
WT OF STRING	98M LBS.		CONDITION	Run.

DRILLER: L Richards.

WEATHER CONDITIONS: Fair.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
2737	32		2769		135	10M

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	52	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
8:00	8:15	¼	SERV R.G. - close HYDRIL OK.
8:15	9:15	1	TRIP in w/ BIT No 13
9:15	9:30	¼	Pick up Kelly - Blow - Fill pipe.
9:30	2:00	6 ½	DRLG 8¾" Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.2	9.1	9.2	
VISC.	40	38	37	
W.L.-C.C.				
FLTR. CK.	P. Clean Shale			
pH		not Salt Tank.		
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1500		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
22	STANDS DP	FT.	Drilling or Core Bit No.	13
1	SNGLS. DP	2015.84 FT.	TYPE	ODV-J
24	D.C. 6¼ OD	718.17 FT.	SIZE	8¾
	OD	FT.	NOZZ. SIZE	3/13 1/12
	RMR BODY OD	FT.	SERIAL No.	16695
	STB BODY OD	FT.	DEPTH IN	2737
1	SUBS 6/0 OD	1.09 FT.	DEPTH OUT	2772
1	BIT Stab. Sub	4.12 FT.	FT. DRILLED	35
		FT.	FT. REAMED	
	Kelly Down	33.78 FT.	FT. CORED	
	TOTAL	2772 FT.	CUM. HRS. RUN	7¼
WT OF STRING	98M LBS.		CONDITION	2-3-1

DRILLER: Wm Allard.

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
2769	3		2772		135	10M

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	850	6"	52	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
4:00	4:45	¾	Drlg.
4:45	5:45	1	Twisted Off DP. 22 stds 1 single Down. Circ + Mix Mud
5:45	6:45	1	Pull out.
6:45	7:30	¾	Make Up Overshot.
7:30	8:30	1	Running W/ Overshot.
8:30	9:30	1	Circ. + Work Down over Fish.
9:30	10:00	½	Circ. + Work Down over Fish.
10:00	12:00	1	Pull out W/ Fish.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	40	55		
VISC.	9.2	9.2		
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1800		
Caustic	50		

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m.: 1730

REPORT No.: 17

DATE: FEB. 4/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETS.
CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.
RIG No.: 16
LOCATION: LSD. W 123° 2' SEC. TWP. 62° 29' RGE. W.
DRILL PIPE STRING No. SIZE: 2 4½
TOOL JOINT: 5 3/4 OD
TYPE THD: NC 11
DRILL PIPE GRADE: E
WELL NAME: PACIFIC ETAL CARLSON LAKE
No.: A-50
PROVINCE: N.W.T.
OPERATOR'S REPRESENTATIVE: L. Nelson
CONTRACTOR'S TOOL PUSHER: E. Mill

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214 P
2.	OILWELL	214 P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13¾	H-40	0	788	CONST.	780 SAX	1½% CACL

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	4	4½	5¾
TRIPPING	3¼	3¼	1½
RIG MAINTENANCE		¼	¼
RIG REPAIRS			
HOLE SURVEYS		½	½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS	¾		
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	8 SIZE 1-1/8
FEET SLIPPED	1472
FEET CUT OFF	1472
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	267
CUMULATIVE TON MI. or TRIPS	5226
No. OF DAYS FROM SPUD	16
CUMULATIVE ROTATING HRS.	119½
DAYS SINCE LAST ACCDNT.	168

DRILLER ACCDNT. FREE DAYS

MORNING TOUR	328
DAY TOUR	
EVENING TOUR	393

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
26	STANDS DP	2612.30 FT.	Drilling or Core Bit No.	11
	SNGLS. DP	FT.	TYPE	ODV-J
9	D.C. 6¼ OD	260.43 FT.	SIZE	8¾
	OD	FT.	NOZZ. SIZE	1/13 9/32
	RMR BODY OD	FT.	SERIAL No.	19437
	STB BODY OD	FT.	DEPTH IN	2625'
1	SUBS 6¼ OD	1.09 FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	12
1	BIT SUB	4.12 FT.	FT. REAMED	
	Kelly Down	24.30 FT.	FT. CORED	
	TOTAL	2637.00 FT.	CUM. HRS. RUN	4
WT OF STRING	67M LBS.		CONDITION	O.R.

DRILLER: David Thiele
WEATHER CONDITIONS: COLD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #	PUMP	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
2625'	12		2637		160	6M	PUMP No. 1	850	6"	52	
							PUMP No. 2		5½		

DEVIATION RECORD:

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

From	To	Elapsed Time		REMARKS
12:00	3:15	3	¼	RUN IN W/BIT #11 & PICK UP DRILL PIPE TO REPLACE D.C.
3:15	4:00		¾	BLOW KELLY, BREAK CIRC, [redacted]
4:00	8:00	4		DRLG 9¾" HOLE
				LOW TRANSMISSION LOW TABLE 104
				" " HIGH TABLE 170
				HIGH TRANSMISSION LOW TABLE 100
				" " HIGH TABLE 200

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		8.9	8.9	9.0
VISC.		37	37	40
W.L.-C.C.				
FLTR. CK.				
pH				9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1500#		
Coustic	50#		

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD		
	STANDS DP	2361.30 FT.	Drilling or Core Bit No.	11	12
	SNGLS. DP	FT.	TYPE	ODV-J	
9	D.C. 6¼ OD	260.43 FT.	SIZE	8¾	8¾
	OD	FT.	NOZZ. SIZE	1/13 9/32	2/13 11/32
	RMR BODY OD	FT.	SERIAL No.	19437	20871
	STB BODY OD	FT.	DEPTH IN	2625	
1	SUBS 6¼ OD	1.09 FT.	DEPTH OUT	2651	
1	BIT OR C.B.	4.12 FT.	FT. DRILLED	26	
		FT.	FT. REAMED		
	Kelly Down	35.00 FT.	FT. CORED		
	TOTAL	2651 FT.	CUM. HRS. RUN	8¼	
WT OF STRING	70M LBS.		CONDITION	3-2-1	

DRILLER: K. Richards
WEATHER CONDITIONS: FAIR

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #	PUMP	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
2637	14		2651		160	7M	PUMP No. 1	900	6"	52	4¼
							PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2650	5 1/3°							

From	To	Elapsed Time		REMARKS
8:00	9:00		¼	SERV RIG - Close Hydrill OK.
8:15	12:30	4	¼	DRLG 8¾" Hole.
12:30	1:00		½	Survey
1:00	1:15		¼	DRLG 8 3/4" Hole.
1:15	3:30	2	¼	Blow Kelly & Trip out of BIT NO 11
3:30	4:00		½	Make up BIT - Run in w/ BIT No 12.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.9	9.0		
VISC.	40	38		
W.L.-C.C.				
FLTR. CK.	2/32	2/32	2/32	2/32
pH	9.0	9.0	9.0	9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2000#		
Fibre-Tap Tank Sump- 15K			

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
21	STANDS DP	FT.	Drilling or Core Bit No.	12
2	SNGLS. DP	1954.46 FT.	TYPE	ODVJ
	D.C. OD	FT.	SIZE	8¾
24	6¼ OD	718.17 FT.	NOZZ. SIZE	2/13 2/32
	RMR BODY OD	FT.	SERIAL No.	20871
	STB BODY OD	FT.	DEPTH IN	2651
1	SUBS 6¼ OD	1.09 FT.	DEPTH OUT	
1	BIT SUB C.B.	4.12 FT.	FT. DRILLED	59
		FT.	FT. REAMED	
	Kelly Down	32.16 FT.	FT. CORED	
	TOTAL	2710 FT.	CUM. HRS. RUN	5¾
WT OF STRING	91M LBS.		CONDITION	Orig

DRILLER: Wm Abbott
WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #	PUMP	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
2651	59		2710		80 120	5M 7M	PUMP No. 1	850	6"	52	
							PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2684	5¼°							

From	To	Elapsed Time		REMARKS
4:00	4:15		¼	Rig Service BOP'S
4:15	5:45	1	½	Runin W/BIT No 12.
5:45	8:45	3		Drl 8¾ hole
8:45	9:15		½	Survey @ 2684 - 5¼°
9:15	12:00	2	¾	Drlg.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.0	9.0	9.0	8.9+
VISC.	38	37	39	41
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2000		

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m.: 3340

REPORT No. 16

DATE: FEB. 3/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETR.
CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.
RIG No.: 16
OPERATOR'S REPRESENTATIVE: L. McCann
CONTRACTOR'S TOOL PUSHER: E. Mill

LOCATION: LSD. — SEC. — TWP. — RGE. — W.: W 123° 2' — 62° 29' W
DRILL PIPE STRING No. SIZE: —
TOOL JOINT: 5 3/4 OD — TYPE THD: FH
DRILL PIPE GRADE: E
WELL NAME: PACIFIC ATL CARLSON L MTN — No.: A-50
PROVINCE: ALTA.

PUMPS

No.	MANUFACTURER	TYPE
1.	OILWELL	214-P
2	OILWELL	214-P
3		

CASING & LINER RECORD

	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13⅜		0	78'	CONST.	79 SXS	1½% CACL

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	5	8¼	2½
TRIPPING	2¼	4	2¼
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS	½	¼	½
CONDITIONING MUD			
CONDITIONING HOLE		¼	
Reaming & Cleaning To Bottom		¼	
WORKING ON STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT 5hrs 45 min			2½
HEADING UP & DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	6 SIZE 1-1/8
FEET SLIPPED	1472
FEET CUT OFF	1472
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	258
CUMULATIVE TON MI. or TRIPS	5197
No. OF DAYS FROM SPUD	15
CUMULATIVE ROTATING HRS.	105¼
DAYS SINCE LAST ACCDNT.	167
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	329
DAY TOUR	
EVENING TOUR	392

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
23	STANDS DP	2075.31 FT.	Drilling or Core Bit No.	9
1	SNGLS. DP	31.11 FT.	TYPE	HTJG-J
3	D.C. 7" OD	86.97 FT.	SIZE	8 3/4
12	6¼" OD	348.83 FT.	NOZZ. SIZE	3/12
	RMR BODY OD	FT.	SERIAL No.	52446
	STB BODY OD	FT.	DEPTH IN	2546
2	SUBS 6¼ OD	3.06 FT.	DEPTH OUT	
1	BIT SUB.	3.65 FT.	FT. DRILLED	19
1	STABILIZER	5.19 FT.	FT. REAMED	
	Kelly Down	11.92 FT.	FT. CORED	
	TOTAL	2565.00 FT.	CUM. HRS. RUN	5
WT OF STRING	79M LBS.		CONDITION	O.B.

DRILLER: David Hardie
WEATHER CONDITIONS: COLD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
2546	19		2565		120	19/12	PUMP No. 1	900	6"	52	
							PUMP No. 2		5½"		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2555	5½°							

From	To	Elapsed Time	REMARKS
12:00	2:15	2 ¼	TRIP IN W/BIT #9, PICK UP 12 SINGLES TO REPLACE D.C.
2:15	2:30	¼	TIED IN DERRICK
2:30	3:00	½	R.I.G SER. & B.O.P
3:00	6:45	3 ¾	BLOW KELLY & BREAK CIRC.
6:45	7:00	¼	DRLG. 8¾" HOLE
7:00	7:30	½	SURVEY @ 2555 5½°
7:30	8:00	½	DRLG 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		8.9	8.9	8.9
VISC.		40	38	54
W.L.-C.C.				
FLTR. CK.				
pH		9.0		9.0
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2000#		

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD		
19	STANDS DP	1212.43 FT.	Drilling or Core Bit No.	9	10
	SNGLS. DP	18.76 FT.	TYPE	HTJG-J	DMT
3	D.C. 7" OD	86.97 FT.	SIZE	8 3/4	8 3/4
24	6¼" OD	224.24 FT.	NOZZ. SIZE	3/12	3/12
	RMR BODY OD	FT.	SERIAL No.	52446	170432
	STB BODY OD	FT.	DEPTH IN	2555	2570
2	SUBS 6¼ OD	3.06 FT.	DEPTH OUT	2570	
	BIT SUB.	3.65 FT.	FT. DRILLED	14	
	STABILIZER	5.19 FT.	FT. REAMED		
	Kelly Down	34.00 FT.	FT. CORED		
	TOTAL	2570 FT.	CUM. HRS. RUN	6	3¼
WT OF STRING	100M LBS.		CONDITION	T-B-1	

DRILLER: L. Richards
WEATHER CONDITIONS: COLD.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
2565	30		2595		35	55M	PUMP No. 1	100.	6"	53.	
							PUMP No. 2		5½.		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2570	5°		2600					

From	To	Elapsed Time	REMARKS
8:00	9:00	1	DRLG 8¾" HOLE.
9:00	9:15	¼	DROP SURVEY.
9:15	9:30	¼	SER. R.G. CHECK ALL REMOTE CONTROLS ASS. - OK.
9:30	11:30	2	TRIP OUT W/ BIT NO 9.
11:30	1:30	2	TRIP IN W/ BIT NO 10 - PICK UP 12 collars in DERRICK.
1:30	1:45	¼	CLEAN TO BTTOM.
1:45	4:00	2 ¼	DRLG 8¾" HOLE.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				8.9
VISC.				35
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Cit	12oz		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
19	STANDS DP	FT.	Drilling or Core Bit No.	10
2	SNGLS. DP	772.10 FT.	TYPE	DMT
3	D.C. 7" OD	86.97 FT.	SIZE	8 3/4
24	6¼" OD	726.46 FT.	NOZZ. SIZE	3/12
	RMR BODY OD	FT.	SERIAL No.	170432
	STB BODY OD	FT.	DEPTH IN	2570
2	SUBS 6¼ OD	3.06 FT.	DEPTH OUT	2625
1	BIT SUB.	3.65 FT.	FT. DRILLED	55
1	STAB.	5.19 FT.	FT. REAMED	
	Kelly Down	33.61 FT.	FT. CORED	
	TOTAL	262.61 FT.	CUM. HRS. RUN	4¾
WT OF STRING	100M LBS.		CONDITION	B-8-1

DRILLER: Wm Chabot.
WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#		PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
2595	30		2625		36	55M	PUMP No. 1	1000	6"	53	
							PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2600	5¼°		2625	6°				

From	To	Elapsed Time	REMARKS
4:00	4:30	½	DRLG
4:30	4:45	½	SURVEY @ 2600 - 5¼°
4:45	5:00	¼	R.I.G SERVICE + BOP
5:00	7:00	2	DRLG.
7:00	7:15	¼	SURVEY @ 2625 - 6°
7:15	9:30	2 ¼	PULL OUT W/ B.I.T NO 10.
9:30	12:00	2 ½	WAIT ON ORDERS.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9			
VISC.	36	Tr	-	P
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000		

FORM DI—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 1691

REPORT No. 15

DATE: FEB. 2/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETE.
CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.
RIG No.: 16
LOCATION LSD.: W123° 2' SEC.: TWP.: 62° 29' W RGE.: W.:
WELL NAME: PACIFIC RIM CARLSON LAKE No.: A-50 PROVINCE: N.W.T.
DRILL PIPE STRING No., SIZE: 2 4½"
TOOL JOINT: 5 3½" OD TYPE THD.: FH
DRILL PIPE GRADE: E
OPERATOR'S REPRESENTATIVE:
CONTRACTOR'S TOOL PUSHER: E Mill

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214-P
2.	OILWELL	214-A
3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13⅜		0	788	CONST.	780 SAX.	1½% CACl²

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	4¼	5¼	1½
TRIPPING	2½	2	4¼
RIG MAINTENANCE	¼	1¼	¼
RIG REPAIRS			1
HOLE SURVEYS	¾	½	1
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS	¼		
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	8 SIZE 1¼
FEET SLIPPED	1472
FEET CUT OFF	1472
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	150
CUMULATIVE TON MI. or TRIPS	5089

No. OF DAYS FROM SPUD	14
CUMULATIVE ROTATING HRS.	94½
DAYS SINCE LAST ACCDNT.	166

DRILLER ACCDNT. FREE DAYS

MORNING TOUR	328
DAY TOUR	
EVENING TOUR	391

FORM D1—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
17	STANDS DP	1534.40 FT.	Drilling or Core Bit No.	7
2	SNGLS. DP	60.51 FT.	TYPE	DMJ
3	D.C. 7" OD	86.87 FT.	SIZE	8¾
24	6¼" OD	720.46 FT.	NOZZ. SIZE	3/12 1/11
	RMR BODY OD	FT.	SERIAL No.	209919
	STB BODY OD	FT.	DEPTH IN	2317
2	SUBS 6" OD	3.06 FT.	DEPTH OUT	2426
1	BIT OR C.B. SUB	3.65 FT.	FT. DRILLED	109
1	STABILIZER	5.19 FT.	FT. REAMED	
	Kelly Down	11.96 FT.	FT. CORED	
	TOTAL	2426.00 FT.	CUM. HRS. RUN	6¾
WT OF STRING	92M	LBS.	CONDITION	1-2-1

DRILLER: David Hudie
WEATHER CONDITIONS: COLD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
2364	62		2426		50/60	35/40

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1000	6	52	
PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2355	2°		2385	2°		2415	2½°	

From	To	Elapsed Time	REMARKS
12:00	12:15	¼	SURVEY @ 2355' 2°
12:15	12:30	¼	RIG SER + B.O.P.
12:30	2:00	1½	DRLG 8¾" HOLE
2:00	2:15	¼	SURVEY @ 2385' 2°
2:15	5:00	2¾	DRLG 8¾" HOLE
5:00	5:15	¼	SURVEY @ 2415' 2½°
5:15	5:30	¼	SLOW KELLY
5:30	8:00	2½	TRIP OUT W/BIT #7

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9	8.9		
VISC	36	36		T
W.L.-C.C.				R
FLTR. CK.				I
pH		9.0		P
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2500#		
CAUSTIC	50#		
1" STREAM OF WATER			

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
18	STANDS DP	1124.29 FT.	Drilling or Core Bit No.	8
1	SNGLS. DP	29.35 FT.	TYPE	DMJ
3	7" OD D.C.	86.87 FT.	SIZE	8¾
24	6¼ OD	720.46 FT.	NOZZ. SIZE	3/12 1/11
	RMR BODY OD	FT.	SERIAL No.	196284
	STB BODY OD	FT.	DEPTH IN	2426
2	SUBS 6" OD	3.06 FT.	DEPTH OUT	
1	BIT OR C.B. SUB	3.65 FT.	FT. DRILLED	89
1	Stabilizer	5.19 FT.	FT. REAMED	
	Kelly Down	42.92 FT.	FT. CORED	
	TOTAL	2515.79 FT.	CUM. HRS. RUN	5¼
WT OF STRING	95M	LBS.	CONDITION	Rud

DRILLER: K Richards Colby
WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
2426	89		2515		45	35

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1000	6"	52	5½
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2447	3½	?	2426	3½				

From	To	Elapsed Time	REMARKS
8:00	8:30	½	Finish Trip out w/ Bit #7.
8:30	8:45	¼	Serv. Rig + close Blind Rams. OK.
8:45	10:15	1½	Trip in w/ Bit No 8
10:15	11:45	1½	DRLG 8¾" Hole.
11:45	12:00	¼	Survey
12:00	2:00	2	DRLG 8¾" Hole.
2:00	2:15	¼	Survey.
2:15	3:00	¾	DRLG.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		9.0	8.8	8.9
VISC.		40	38	37.
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	600		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD		
19	STANDS DP	1712.43 FT.	Drilling or Core Bit No.	8	9
	SNGLS. DP	FT.	TYPE	DMJ	HTC GJ
3	7" OD D.C.	86.87 FT.	SIZE	8¾	8¾
24	6¼" OD	720.46 FT.	NOZZ. SIZE	3/12 1/11	3/12
	RMR BODY OD	FT.	SERIAL No.	196284	15246
	STB BODY OD	FT.	DEPTH IN	2426	2546
2	SUBS 6" OD	3.06 FT.	DEPTH OUT	2546	
1	BIT OR C.B. SUB	3.65 FT.	FT. DRILLED	120	
1	Stab	5.19 FT.	FT. REAMED		
	Kelly Down	14.34 FT.	FT. CORED		
	TOTAL	2546 FT.	CUM. HRS. RUN	6¾	
WT OF STRING	96M	LBS.	CONDITION	8-8-1	

DRILLER: Wm Ashcroft
WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
2515	31		2546		45	55M

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1025	6"	52	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2515	3½°		2546	5°		2542	5°	

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	Survey @ 2515 - 3½°
4:15	4:30	¼	Rig Service + B.O.P.
4:30	5:45	1¼	Drlg
5:45	6:15	½	Survey, 2542 - 5°
6:15	6:30	¼	Drlg
6:30	6:45	¼	Survey @ 2546
6:45	9:45	3	Pull out w/ Bit No 8.
9:45	10:45	1	Put New Yoke in Compound Shifter + Level Derrick

10:45 12:00 Running w/ Bit IV.9.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9	T		
VISC.	40	Trip		
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1400		

Gallons of Diesel Fuel on Hand at 8:00 a.m.

REPORT No. 14

DATE: FEB. 1 '70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Pete
CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.
RIG No.: 16
LOCATION: LSD. W/2 SEC. 30 TWP. 62° RGE. 29' W. IV
WELL NAME: Pacific ET Al Carbon Lake No. A-50
PROVINCE: N.W.T.
DRILL PIPE STRING No. SIZE: 2 4½
TOOL JOINT: 5¾ OD, TYPE THD. F-H
DRILL PIPE GRADE: E
OPERATOR'S REPRESENTATIVE: [illegible]
CONTRACTOR'S TOOL PUSHER: E. Mill

PUMPS No.	MANUFACTURER	TYPE
1.	O. Ilwell	214P
2.	O. Ilwell	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	48-H40	0	788	Const	780 Sacks	1½ To Cache

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	6¼	3¾	2½
TRIPPING		2½	2
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS		¾	2¼
HOLE SURVEYS	1½	¾	
CONDITIONING MUD			
CONDITIONING HOLE			1
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.
No. OF LINES — SIZE
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. or TRIPS SINCE LAST CUT
CUMULATIVE TON MI. or TRIPS

No. OF DAYS FROM SPUD: 13
CUMULATIVE ROTATING HRS.
DAYS SINCE LAST ACCDNT.: 165
DRILLER ACCDNT. FREE DAYS
MORNING TOUR: 390
DAY TOUR: 329
EVENING TOUR:

FORM D1—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
16	STANDS DP	1445.50 FT.	Drilling or Core Bit No.	6
	SNGLS. DP	FT.	TYPE	OMJ
3	D.C. 7" OD	86.87 FT.	SIZE	8¾
24	6¼ OD	720.46 FT.	NOZZ. SIZE	12-11
	RMR BODY OD	FT.	SERIAL No.	209838
	STB BODY OD	FT.	DEPTH IN	2177
2	SUBS 5/0 OD	3.06 FT.	DEPTH OUT	
1	BIT Stab	3.65 FT.	FT. DRILLED	93
		FT.	FT. REAMED	
	Kelly Down	1046 FT.	FT. CORED	
	TOTAL	2270 FT.	CUM. HRS. RUN	7½
WT OF STRING	92m LBS.		CONDITION	Oaks

DRILLER: Wm Abbott
WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
2183	87		2270		44/48	44/55

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1000	6"	52	
PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2213	1 3/8°		2239	1°				

From	To	Elapsed Time	REMARKS
12:00	12:15	¼	Rig Service + BOP ✓
12:15	2:45	2 ½	Drlg
2:45	3:15	½	Survey @ 2213 - 1 3/8
3:15	5:15	2	Drlg
5:15	5:45	½	Survey @ 2239 - 1°
5:45	7:30	1 ¾	Drlg
7:30	8:00	½	Survey @ 2270 - Mis Run

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	91	9.0	8.9	8.9
VISC.	43	40	36	38
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1500#		

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
16	STANDS DP	1445.50 FT.	Drilling or Core Bit No.	6
1	SNGLS. DP	29.40 FT.	TYPE	DM-J
3	D.C. 7" OD	86.87 FT.	SIZE	8¾
24	6¼" OD	720.46 FT.	NOZZ. SIZE	12-11
	RMR BODY OD	FT.	SERIAL No.	209838
	STB BODY OD	FT.	DEPTH IN	2177
2	SUBS 5/0 OD	3.06 FT.	DEPTH OUT	2317
	BIT OR C.B.	FT.	FT. DRILLED	140
1	BIT Stab	3.65 FT.	FT. REAMED	
	Kelly Down	28.06 FT.	FT. CORED	
	TOTAL	2317.00 FT.	CUM. HRS. RUN	11
WT OF STRING	92m LBS.		CONDITION	8-B-1

DRILLER: David Hardie
WEATHER CONDITIONS: COLD - 44° @ AIRSTRIP

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
2270	47		2317		45	

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1000	5½"	52	
PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2270	¾°		2300	7/8°		2317	1 3/4°	

From	To	Elapsed Time	REMARKS
8:00	8:45	¼	RIG SER + B.O.P. ✓
8:45	9:30	¼	SURVEY @ 2270 ¾°
9:30	10:45	2 ¼	DRLG 8¾" HOLE
10:45	11:00	¼	SURVEY 2300 7/8°
11:00	12:30	1 ½	DRLG 8¾" HOLE
12:30	12:45	¼	SURVEY 2317
12:45	3:15	2 ½	TRIP OUT W/BIT #6
3:15	4:00	¾	CHANGE WASH PIPE + PACKING

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	8.9	8.9		
VISC.	37	36		
W.L.-C.C.				
FLTR. CK.				
pH	9.0			
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2500#		
CAUSTIC	50#		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
16	STANDS DP	1445.50 FT.	Drilling or Core Bit No.	7
1	SNGLS. DP	29.40 FT.	TYPE	DM J
	D.C. OD	86.87 FT.	SIZE	8 3/4
	OD	72.046 FT.	NOZZ. SIZE	12-11
	RMR BODY OD	FT.	SERIAL No.	209919
	STB BODY OD	FT.	DEPTH IN	2317
2	SUBS 5/0 OD	3.06 FT.	DEPTH OUT	
1	BIT OR C.B. Sub	3.65 FT.	FT. DRILLED	46
1	STABILIZER	5.19 FT.	FT. REAMED	
	Kelly Down	41.60 FT.	FT. CORED	
	TOTAL	2364.. FT.	CUM. HRS. RUN	2½
WT OF STRING	91m LBS.		CONDITION	RUN

DRILLER: K. R. Sander
WEATHER CONDITIONS: COLD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
2317	46'		2364		45	45m

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1000	5½	52	2½
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	Serv R.G. + close Hydril. OK.
4:15	5:30	1 ¼	Clean up Swivel + Replace Wash pipe + Wash Pipe Packing.
5:30	7:30	2	Trip in w/ Collars pick up. Stabilizer + Trip in w/ Bit 7.
7:30	8:30	1	Break Down 3 Singles + Work To Bottom
8:30	9:30	1	Work on Swivel
9:30	11:00	1 ½	Drlg 8¾ Hole.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				8.9
VISC.	TRIPPING			35
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

Gallons of Diesel Fuel on Hand at 8:00 a.m. 3596

REPORT No. 13

DATE: Jan 31/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Pete
CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.
Rig No.: 16
OPERATOR'S REPRESENTATIVE: [illegible]
CONTRACTOR'S TOOL PUSHER: E. Mill

LOCATION: W 123° 2' SEC. 62° TWP. 29' RGE. W. N
DRILL PIPE STRING No. SIZE: 2 4½
TOOL JOINT: 5¼ OD TYPE THD. FH
DRILL PIPE GRADE: E

WELL NAME: Pacific ET Al Carlson Lake No. A-50
PROVINCE: N.W.T.

PUMPS

No.	MANUFACTURER	TYPE
1.	Oilwell	214P
2.	Oilwell	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	54 H40	0	788	Const.	780 Sacks	1½% Cacl2

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	2¼	5	1
TRIPPING	5¼	¾	4
RIG MAINTENANCE	¼		1¼
RIG REPAIRS			
HOLE SURVEYS	¼	¼	
CONDITIONING MUD			1
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		¼	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS		¾	¾
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	6 SIZE 1⅛
FEET SLIPPED	1472
FEET CUT OFF	1472
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	15
CUMULATIVE TON MI. or TRIPS	4939
No. OF DAYS FROM SPUD	12
CUMULATIVE ROTATING HRS.	71
DAYS SINCE LAST ACCDNT.	164
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	389
DAY TOUR	3226
EVENING TOUR	

FORM D1—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
17	STANDS DP	FT.	Drilling or Core Bit No.	4	5
2	SNGLS. DP	1597.62 FT.	TYPE	MyLGJ	H75GJ
3	D.C. 7" OD	46.87 FT.	SIZE	8¾	8¾
15	6¼ OD	444.56 FT.	NOZZ. SIZE	2/11 2/12 1/12 1/11	
	RMR BODY OD	FT.	SERIAL No.	91002	147972
	STB BODY OD	FT.	DEPTH IN	1926	2156
2	SUBS % OD	3.06 FT.	DEPTH OUT	2156	
1	BIT C.B. Sub	3.65 FT.	FT. DRILLED	232	
		FT.	FT. REAMED		
	Kelly Down	2328 FT.	FT. CORED		
	TOTAL	2158. FT.	CUM. HRS. RUN	14	
WT OF STRING	81M LBS.		CONDITION	6-5-1	
DRILLER	Wm Abbott				
WEATHER CONDITIONS					

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
2149	9		2158		110/140	15/18

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1050	6"	52	
PUMP No. 2		5½"		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2158	1⅛°							

From	To	Elapsed Time	REMARKS
12⁰⁰	12¹⁵	¼	Rig Service + B.O.P.
12¹⁵	2³⁰	2 ¾	Drlg.
2³⁰			Drop Survey + Trip out W/ Bit No 4
	8⁰⁰	5 ½	Run in W/ Bit No 5.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.2			
VISC.	42			
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
17	STANDS DP	1552.49 FT.	Drilling or Core Bit No.	5
2	SNGLS. DP	60.03 FT.	TYPE	H75GJ
3	D.C. 7" OD	86.87 FT.	SIZE	8¾
15	6¼" OD	444.56 FT.	NOZZ. SIZE	3/12 1/11
	RMR BODY OD	FT.	SERIAL No.	147972
	STB BODY OD	FT.	DEPTH IN	2158
2	SUBS % OD	3.06 FT.	DEPTH OUT	2177
	BIT OR C.B.	FT.	FT. DRILLED	19
1	BIT/SUB	3.65 FT.	FT. REAMED	
	Kelly Down	41.24 FT.	FT. CORED	
	TOTAL	2177.00 FT.	CUM. HRS. RUN	5
WT OF STRING	92M LBS.		CONDITION	6-4-1
DRILLER	David Hardie			
WEATHER CONDITIONS	Cold			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
2158	19		2177		160	12

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"	52	5
PUMP No. 2		5½"		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2177	1 1/8							

From	To	Elapsed Time	REMARKS
9:00	9:15	¼	Blow Kelly + Break Circ. No Fill
9:15	11:00	2 ¾	Drlg. 8¾" Hole
11:00	11:30	½	Low on Suction, Mud Gate Leaking
11:30	1:45	2 ¼	Drlg. 8¾" Hole
1:45	2:00	¼	Drop Survey @ 2177
2:00	2:15	¼	Blow Kelly
2:15	4:00	1 ¾	Trip out w/ Bit #5

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.2	9.1+	9.1+	
VISC.	44	40	45	
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel.	2000#		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
14	STANDS DP	FT.	Drilling or Core Bit No.	6
2	SNGLS. DP	132.26 FT.	TYPE	DmJ
3	D.C. 7" OD	86.87 FT.	SIZE	8¾
24	6¼ OD	720.46 FT.	NOZZ. SIZE	2/12 1/11
	RMR BODY OD	FT.	SERIAL No.	209838
	STB BODY OD	FT.	DEPTH IN	2173
2	SUBS % OD	3.06 FT.	DEPTH OUT	
1	BIT OR C.B.	3.65 FT.	FT. DRILLED	6
		FT.	FT. REAMED	
	Kelly Down	42.92 FT.	FT. CORED	
	TOTAL	2183 FT.	CUM. HRS. RUN	1
WT OF STRING	90M LBS.		CONDITION	Run
DRILLER	K. Richard.			
WEATHER CONDITIONS	Cold.			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
2177	6		2183		51	35

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	950	6"		
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
4⁰⁰	4¹⁵	¼	Serv Rig
4¹⁵	5⁰⁰	¾	Trip out w/ Bit #5. (Slip + Cut 88' Line; Strap Pipe Board. 2177.00)
5⁰⁰	6⁰⁰	1	Clean Suction Tank. (Mids out 2173.33; Dif 3.68)
6⁰⁰	6⁴⁵	¾	Trip in w/ Collars.
6⁴⁵	8⁰⁰	1 ¼	Pick up 9 Collars.
8⁰⁰	10³⁰	2 ½	Trip in w/ Bit #6. Lay Down 9 Singles.
10³⁰	11⁰⁰	½	Blow Kelly + Break Circ.
11⁰⁰	12⁰⁰	1	Drlg 8¾" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.	1			
W.L.-C.C.	R			
FLTR. CK.	I			
pH	P			
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

Gallons of Diesel Fuel on Hand at 8:00 a.m. _____

REPORT No. 12

DATE: Jan 30/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Pete

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD. — RIG No. 16

LOCATION: LSD. W 12 — SEC. 30 — TWP. 62° — RGE. 29' W

WELL NAME: Pacific Et Al Barlson Lake — No. A50 — PROVINCE N.W.T.

DRILL PIPE: STRING No. SIZE 2 4½ — TOOL JOINT 5¼ OD — TYPE THD. FH — GRADE E

OPERATOR'S REPRESENTATIVE: [signature]

CONTRACTOR'S TOOL PUSHER: D. Peterson

PUMPS

No.	MANUFACTURER	TYPE
1.	Dilwell	214 P
2.	Dilwell	214 P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜	48 H40	0	788	Class T	780	1½% CaCl₂
					Sand	

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	5¾	11½	7¼
TRIPPING	½	2¾	
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS	½	¼	½
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		¼	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	6	8	8

WIRE LINE RECORD

REEL No.

No. OF LINES — SIZE 1/4

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT 123

CUMULATIVE TON MI. or TRIPS 4462

No. OF DAYS FROM SPUD 11

CUMULATIVE ROTATING HRS.

DAYS SINCE LAST ACCDNT. 163

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 398

DAY TOUR 325

EVENING TOUR

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
15	STANDS DP	1356.84 FT.	Drilling or Core Bit No.	3
	SNGLS. DP	FT.	TYPE	ODWT
3	D.C. 7" OD	86.87 FT.	SIZE	8¾
15	6¼ OD	444.56 FT.	NOZZ. SIZE	1-11 2-12
	RMR BODY OD	FT.	SERIAL No.	15312
	STB BODY OD	FT.	DEPTH IN	1605
2	SUBS % OD	3.06 FT.	DEPTH OUT	1926
	BIT SUB O.B.	3.65 FT.	FT. DRILLED	321
		FT.	FT. REAMED	
	Kelly Down	36.02 FT.	FT. CORED	
	TOTAL	1926. FT.	CUM. HRS. RUN	18
	WT OF STRING	80M LBS.	CONDITION	Rull

DRILLER Wm Abbott

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1828	98		1926		160	15/15

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1000	6"	52.	
PUMP No. 2		5½"		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1876	¾°		1926	1°				

From	To	Elapsed Time	REMARKS
12:00	2:00	2	Drlg
2:00	2:15	¼	Rig Service + BOP
2:15	5:45	3	Drlg
5:45	6:15	½	Survey @ 1926 1°
6:15	6:30	¼	Blow Kell + Hoist W/Bit No 3
6:30	7:00	½	

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.2	9.2	9.2	
VISC.	39	36	38	
W.L.-C.C.				
FLTR. CK.				
pH			9.0	
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caust.	100		
Gel	1500		

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
15	STANDS DP	1356.84 FT.	Drilling or Core Bit No.	4
2	SNGLS. DP	60.47 FT.	TYPE	MA-GJ
3	D.C. 7" OD	86.87 FT.	SIZE	8 3/4
15	6¼" OD	444.56 FT.	NOZZ. SIZE	1-12 2-11
	RMR BODY OD	FT.	SERIAL No.	910027
	STB BODY OD	FT.	DEPTH IN	1605
2	SUBS % OD	3.06 FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	72
	BIT SUB	3.65 FT.	FT. REAMED	
	Kelly Down	42.55 FT.	FT. CORED	
	TOTAL	1998.00 FT.	CUM. HRS. RUN	4½
	WT OF STRING	80M LBS.	CONDITION	O.B.

DRILLER David Hardie

WEATHER CONDITIONS Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1926	72		1998		160	15

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1025	6"	52	4½
PUMP No. 2		5½		8

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1990	1½°							

From	To	Elapsed Time	REMARKS
8:00	9:00	1	TRIP OUT W/BIT #3
9:00	9:15	¼	RIG SER + B.O.P. CHECK
9:15	11:00	1¾	RUN IN W/BIT #4
11:00	11:15	¼	BLOW KELLY + BREAK CIRC.
11:15	3:45	4	DRLG. 8¾" HOLE
3:45	4:00	¼	SURVEY @ 1990 1½°

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.2	9.2	9.2	9.2
VISC.	40	37	35	38
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
17	STANDS DP	FT.	Drilling or Core Bit No.	4
1	SNGLS. DP	1562.97 FT.	TYPE	mdGJ
3	D.C. 7" OD	86.87 FT.	SIZE	8 3/4
16	6¼" OD	444.56 FT.	NOZZ. SIZE	1-12 2-11
	RMR BODY OD	FT.	SERIAL No.	910027
	STB BODY OD	FT.	DEPTH IN	1605
2	SUBS % OD	3.06 FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	523
	B.T SUB	3.65 FT.	FT. REAMED	
	Kelly Down	42.92 FT.	FT. CORED	
	TOTAL	2149.03 FT.	CUM. HRS. RUN	11 3/4
	WT OF STRING	80M LBS.	CONDITION	Run.

DRILLER Kaye Richards

WEATHER CONDITIONS Getting Colder.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1998	151		2149		160	15/15

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1050	6"	52	7¼
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2053	¾°		2149	¾°				

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	Sign R.C + close Pipe Rams OK.
4:15	7:45	3	DRLG 8¾" HOLE
7:45	8:00	¼	Survey
8:00	11:45	3	DRLG 8¾" HOLE.
11:45	12:00	¼	Survey.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.2	9.2	9.2	9.2
VISC.	37	43	44	43
W.L.-C.C.				
FLTR. CK.		3/32		
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Run water.			
Dump Tanks.			

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 3547

REPORT No. 11

DATE: Jan 29/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Petr.
CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.
RIG No.: 16
LOCATION LSD. SEC. TWP. RGE. W.: W 123° 2' 62° 29' N
DRILL PIPE STRING No. SIZE: 4½
TOOL JOINT: 5¾ OD
TYPE THD.: FH
DRILL PIPE GRADE: E
WELL NAME: Pacific Et Al Barlson Lake
No.: A-50
PROVINCE: N.W.T.
OPERATOR'S REPRESENTATIVE:
CONTRACTOR'S TOOL PUSHER: J Peterson

PUMPS

No.	MANUFACTURER	TYPE
1.	Oilwell	214P
2.	Oilwell	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜		0	788	Comst	780	
					Sacks	

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	5½	4¾	7½
TRIPPING	1	2½	
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS	1¼	¼	¼
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		¼	
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	9	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	6 SIZE 1/4
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	84
CUMULATIVE TON MI. or TRIPS	

No. OF DAYS FROM SPUD	10
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	387
DAY TOUR	328
EVENING TOUR	

FORM D1—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY	FT.
11	STANDS DP	
2	SNGLS. DP	1056.05 FT.
3	D.C. 7" OD	86.87 FT.
15	6¼ OD	444.56 FT.
	RMR BODY OD	FT.
	STB BODY OD	FT.
2	SUBS ⅚ OD	3.06 FT.
1	BIT OR C.B. Sub	3.65 FT.
		FT.
	Kelly Down	10.81 FT.
	TOTAL	1605 FT.
WT OF STRING	74M LBS.	
DRILLER	Wm Abbott	
WEATHER CONDITIONS		

BIT RECORD

Drilling or Core Bit No.	2
TYPE	Mayo-5
SIZE	8¾
NOZZ. SIZE	3/11
SERIAL No.	9100483
DEPTH IN	1243
DEPTH OUT	1605
FT. DRILLED	362
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	17¼
CONDITION	Pull. 3-7-16

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1485	120		1605		160	12/10/8

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1485	1°		1577	1½°		1605	1½°	

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1150	6"	51	
PUMP No. 2		5½"		

From	To	Elapsed Time	REMARKS
12:00	12:15	¼	R. Service + BOPV
12:15	12:30	¼	Survey @ 1485 - 1°
12:30	4:30	4	Drlg
4:30	5:00	½	Survey @ 1577 - 1½°
5:00	6:30	1½	Drlg
6:30	7:00	½	Survey @ 1605 - 1½°
7:00	8:00	1	Hoist W/Bit No. 2

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.2	9.1	9.1	9.1
VISC.	37	35	36	38
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3000		

DAY TOUR

No.	DRILLING ASSEMBLY	FT.
12	STANDS DP	1086.05 FT.
1	SNGLS. DP	29.10 FT.
3	D.C. 7" OD	86.87 FT.
15	6¼" OD	444.56 FT.
	RMR BODY OD	FT.
	STB BODY OD	FT.
2	SUBS ⅚ OD	3.06 FT.
1	BIT Sub.	3.65 FT.
		FT.
	Kelly Down	38.70 FT.
	TOTAL	1692.00 FT.
WT OF STRING	74M LBS.	
DRILLER	David Hardie	
WEATHER CONDITIONS	Cool	

BIT RECORD

Drilling or Core Bit No.	3
TYPE	ODV-J
SIZE	8¾
NOZZ. SIZE	3/11 1/2
SERIAL No.	15312
DEPTH IN	1605'
DEPTH OUT	
FT. DRILLED	87
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	4¾
CONDITION	O.B.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1605'	87		1692		160	8/10

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1655'	1½°							

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1000	6"	52	
PUMP No. 2				

From	To	Elapsed Time	REMARKS
3:00	9:15	1¼	TRIP OUT W/BIT #2
9:15	9:30	¼	RIG SER + B.O.P.
9:30	10:45	1¼	RUN IN W/BIT #3
10:45	11:00	¼	BLOW KELLY & BREAK CIRC.
11:00	2:15	3¼	DRLG 8¾"
2:15	2:30	½	SURVEY @ 1655 1½°
2:30	4:00	1½	DRLG 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		9.2	9.3	9.3
VISC.	37	36	35	35
W.L.-C.C.	-			
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4400		
CAUSTIC	100		

EVENING TOUR

No.	DRILLING ASSEMBLY	FT.
1	STANDS DP	
	SNGLS. DP	FT.
3	D.C. 7" OD	86.87 FT.
15	OD	444.56 FT.
	RMR BODY OD	FT.
	STB BODY OD	FT.
2	SUBS ⅚ OD	3.06 FT.
1	BIT OR C.B.	3.65 FT.
		FT.
	Kelly Down	34.00 FT.
	TOTAL	1378 FT.
WT OF STRING	74M LBS.	
DRILLER	K. Richards	
WEATHER CONDITIONS	Cool.	

BIT RECORD

Drilling or Core Bit No.	3
TYPE	ODV-J
SIZE	8¾
NOZZ. SIZE	3/11 1/2
SERIAL No.	15312
DEPTH IN	1605
DEPTH OUT	
FT. DRILLED	223
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	12¼
CONDITION	Run

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
1692	136		1828		160	10M

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1785	3¼°							

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1000	6"	52	
PUMP No. 2				

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	Serv Rig - Close Hydrill "OK"
4:15	9:30	5	Drlg 8¾" Hole
9:30	9:45	¼	Survey
9:45	12:00	2	Drlg

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.3	9.3	9.2	9.3
VISC.	37	35	38	37
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	12 sx.		

Gallons of Diesel Fuel on Hand at 8:00 a.m. 3068

REPORT No. 10

DATE: Jan 28/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Pete

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

LOCATION: LSD. — SEC. — TWP. — RGE. — W. — W 123° 02' 62° 29' N

DRILL PIPE STRING No. SIZE: 2 4½

TOOL JOINT: 5¾ OD — TYPE THD. F.H.

DRILL PIPE GRADE:

WELL NAME: Pacific CT Al Gas Loon Lake — No. A-50 — PROVINCE N.W.T.

OPERATOR'S REPRESENTATIVE: [signature]

CONTRACTOR'S TOOL PUSHER: J Peterson

PUMPS No.	MANUFACTURER	TYPE
1.	Oilwell	214P
2.	Oilwell	214P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13¾		0	788	Bonit	780 Sacks	

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	4¾	5½	6¼
TRIPPING	2	1½	
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			1¼
HOLE SURVEYS	½	½	¼
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom		¼	
WORKING OR STUCK PIPE Tight Hole	½		
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.

No. OF LINES 8 — SIZE 1 5/8

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT 53

CUMULATIVE TON MI. or TRIPS

No. OF DAYS FROM SPUD 9

CUMULATIVE ROTATING HRS. 27¾

DAYS SINCE LAST ACCDNT. 161

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 386

DAY TOUR 323

EVENING TOUR

FORM D1—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY		FT.
7	STANDS DP		FT.
1	SNGLS. DP	662.61	FT.
3	D.C. 7" OD	86.87	FT.
15	6¼ OD	444.56	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
2	SUBS % OD	3.06	FT.
1	BIT OR C.B. Sub	3.65	FT.
			FT.
	Kelly Down	42.91	FT.
	TOTAL	1243.67	FT.
	WT OF STRING	65M	LBS.

BIT RECORD	1	2
Drilling or Core Bit No.		
TYPE	OSC-3J	MHWGT
SIZE	8¾	8¾
NOZZ. SIZE	3/11	3/11
SERIAL No.	90976	91003
DEPTH IN	788	1243
DEPTH OUT	1243	
FT. DRILLED	455	
FT. REAMED		
FT. CORED		
CUM. HRS. RUN	16	
CONDITION	B-4-1	

DRILLER: Wm Abbott

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
1105	138		1243		120	5

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1175	6	52.	
PUMP No. 2		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1150	¾		1243	1½°				

From	To	Elapsed Time	REMARKS
12am	1230	½	Drlg
1230	145	¼	Rig Service + BOP
145	215	1	Drlg
215	230	½	Work Tight Hole
230	545	3 ¼	Survey 1150 - 2°
545	600	¼	Drlg
600	630	½	Drop Survey + Pull Out W/Bit Wad Runin. Hole Tight.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.3	9.3+		
VISC.	47	53		
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	3800#		
Dump Tanks. 1" Stream of Water			

DAY TOUR

No.	DRILLING ASSEMBLY		FT.
8	STANDS DP	723.87	FT.
2	SNGLS. DP	61.05	FT.
3	D.C. 7" OD	86.87	FT.
15	6¼ OD	444.56	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
2	SUBS % OD	3.06	FT.
	BIT OR C.B.		FT.
	BIT SUB	3.65	FT.
	Kelly Down	14.44	FT.
	TOTAL	1337.00	FT.
	WT OF STRING	69M	LBS.

BIT RECORD	2
Drilling or Core Bit No.	
TYPE	MHWGT
SIZE	8¾
NOZZ. SIZE	3/11
SERIAL No.	90996 91008 3
DEPTH IN	1243
DEPTH OUT	
FT. DRILLED	94
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	5½
CONDITION	O.B.

DRILLER: David Hardie

WEATHER CONDITIONS: COOL

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
1243	94		1337		120/160	10/12

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1150	6"	51	5½
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1265	1½°		1324	1°				

From	To	Elapsed Time	REMARKS
8:00	9:30	1 ½	TRIP IN W/BIT # 2
9:30	9:45	¼	BLOW KELLY + BREAK CIRC.
9:45	11:15	1 ½	DRLG. 94' HOLE
11:15	11:30	¼	RIG SER + B.O.P
11:30	11:45	¼	SURVEY @ 1265 1½°
11:45	3:30	3 ¾	DRLG.
3:30	3:45	¼	SURVEY @ 1324 1°
3:45	4:00	¼	DRLG.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		9.6		
VISC.		47		
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	4100		

EVENING TOUR

No.	DRILLING ASSEMBLY		FT.
	STANDS DP		FT.
	SNGLS. DP		FT.
3	D.C. 7" OD	86.87	FT.
15	1 11/4 OD	444.56	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
2	SUBS % OD	3.06	FT.
	BIT OR C.B.		FT.
	BIT SUB 3	3.65	FT.
	Kelly Down	40.00	FT.
	TOTAL	1485	FT.
	WT OF STRING	72M	LBS.

BIT RECORD	2
Drilling or Core Bit No.	
TYPE	MHWGT
SIZE	8 3/4
NOZZ. SIZE	3/11
SERIAL No.	91008 3
DEPTH IN	1243
DEPTH OUT	
FT. DRILLED	242
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	11 3/4
CONDITION	Run.

DRILLER: K. Richards.

WEATHER CONDITIONS: Fair.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
1337	148		1485		120	12-15

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1150	6	51	6 3/4
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1427	1 11/4							

From	To	Elapsed Time	REMARKS
4:00	4:15	11/4	SERV R.G. + close pipe Rams. OK.
5:15	5:15	1	DRLG 8 3/4" Hole.
5:15	6:15	1	Work on No 4 Flow motor.
6:15	8:30	2 11/4	DRLG.
8:30	8:45	11/4	Work on No 1 pump.
8:45	9:15	1/2	DRLG.
9:15	9:30	11/4	Survey.
9:30	12:00	2 1/2	DRLG.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.6	9.4	9.4	9.2
VISC.	48	50	45	45
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1500#		

Gallons of Diesel Fuel on Hand at 8:00 a.m. _____

REPORT No. 9

DATE: Jan 27/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Petr

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

LOCATION: LSD. SEC. TWP. RGE. W.

WELL NAME: Pacific Et Al Carbon Lake No. A50

PROVINCE: Nwt.

DRILL PIPE STRING No. SIZE: 3½

TOOL JOINT: 5¾ OD

TYPE THD.: F H

DRILL PIPE GRADE:

OPERATOR'S REPRESENTATIVE:

CONTRACTOR'S TOOL PUSHER: L Peterson

PUMPS No.	MANUFACTURER	TYPE
1.	Oilwell	214P
2.	Oilwell	214P
3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13⅜		0	788	Const	780	
						Sacks	

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING		5⅞	5½
TRIPPING	5¾		
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS		½	¼
CONDITIONING MUD		1½	
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE ~~Fishing~~			2
FISHING			
LOST CIRCULATION			
Repair	2		
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
NO. OF DAYS FROM SPUD	8
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	160
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	395
DAY TOUR	322
EVENING TOUR	

FORM DI—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
2	STANDS DP	FT.	Drilling or Core Bit No.	1
2	SNGLS. DP	243.91 FT.	TYPE	OSC-3J
3	D.C. 7" OD	86.97 FT.	SIZE	8¾
15	6¼ OD	444.56 FT.	NOZZ. SIZE	3/11
	RMR BODY OD	FT.	SERIAL No.	90976
	STB BODY OD	FT.	DEPTH IN	788
2	SUBS 6⅝ OD	3.06 FT.	DEPTH OUT	
	BIT ~~Sub~~ C.B.	3.64 FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	7.95 FT.	FT. CORED	
	TOTAL	7.88 FT.	CUM. HRS. RUN	
	WT OF STRING	LBS.	CONDITION	

DRILLER: Wm Abbott.

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.RM.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12:00	2:00	2	Drill Out Float Shoe
2:00	2:15		Rig Service + Rope
2:15			Pull Out Lay Down 7 Singles of D.P. Lay Down 2-8" Collars - Pick Up 9-6¼" Collars. Run
	6:00	T.	W/Bit No 1

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Bicmab	200		
7			

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
3	STANDS DP	274.32 FT.	Drilling or Core Bit No.	1
2	SNGLS. DP	69.96 FT.	TYPE	OSC3J
3	D.C. 7" OD	86.97 FT.	SIZE	8¾
15	6¼ OD	444.56 FT.	NOZZ. SIZE	3-11
	RMR BODY OD	FT.	SERIAL No.	90976
	STB BODY OD	FT.	DEPTH IN	788
2	SUBS 6⅝ OD	3.06 FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	112
	BIT SUB	3.64 FT.	FT. REAMED	
	Kelly Down	27.58 FT.	FT. CORED	
	TOTAL	900.00 FT.	CUM. HRS. RUN	5¾
	WT OF STRING	62M LBS.	CONDITION	O.B.

DRILLER: David Hardie

WEATHER CONDITIONS: COOL

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.RM.	WT ON BIT 1000 #
788	112		900		90/120	3/4

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1400	6"	41	
PUMP No. 2		5½"		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
850	⅞°		880	⅛°				

From	To	Elapsed Time	REMARKS
8:00	8:15	¼	R.G SVR. ~~8:00~~ 300 3:15 - ¼ SURVEY @ 880 ½°
8:15	9:00	¾	BREAK CIRC. BIT PLUGGED 3:15-900 - ¾ DRLG. 8¾" HOLE
9:00	9:30	½	DRLG 8¾" HOLE
9:30	10:15	¾	CEMENT CONTAMINATED MUD, PICK OFF BTM + CIRC, TREAT SAME W/ B/CARB
10:15	12:30	2	¼ DRLG 8¾" HOLE
12:30	12:45	¼	SURVEY @ 850 ⅞°
12:45	2:00	2	¼ DRLG 8¾" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		9.0	9.0	9.0
VISC.		32	36	38
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	44 00#		
BICARB	400#		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
6	STANDS DP	541.50 FT.	Drilling or Core Bit No.	1.
	SNGLS. DP	FT.	TYPE	OSC-3J
3	D.C. 7" OD	86.97 FT.	SIZE	8¾
15	6¼ OD	444.56 FT.	NOZZ. SIZE	3-11
	RMR BODY OD	FT.	SERIAL No.	90976
	STB BODY OD	FT.	DEPTH IN	788
2	SUBS 6⅝ OD	3.06 FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	317
	BIT SUB	3.65 FT.	FT. REAMED	
	Kelly Down	27.58 FT.	FT. CORED	
	TOTAL	1105 FT.	CUM. HRS. RUN	16¼
	WT OF STRING	64M LBS.	CONDITION	Rec.

DRILLER: Gary Richards

WEATHER CONDITIONS: Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.RM.	WT ON BIT 1000 #
900	205		1105		120	20M

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	1125	6"	51	
PUMP No. 2		5½"		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
996	1½							

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	Serv. Rig.
4:15	4:30	¼	DRLG 8¾" Hole.
4:30	5:30	1	Circ. Work Tight Hole, Lay Down Single + Work Tight Spot's.
5:30	8:00	2 ½	DRLG 8¾" Hole. - Work Tight Conn.
8:00	8:15	¼	Survey.
8:15	9:30	1 ¼	DRLG 8¾" Hole. Clean Suble Tank. Flush Suct Tank.
9:30	10:00	½	Work Tight Hole.
10:00	11:15	1 ¼	DRLG - 11:15 To 11:45 Work Tight Hole. 11:45 To 12:00 Drill.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT		9.2	9.3	9.2
VISC.	38	40	50	45
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2500		

Gallons of Diesel Fuel on Hand at 8:00 a.m. 2956

REPORT No. 9

DATE: JAN 26/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific PeTE
CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.
RIG No.: 16
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: Pacific ET Al Coulson Lake No. A-50
PROVINCE: N.W.T.
DRILL PIPE STRING No. SIZE: 2 4½
TOOL JOINT: 5¾ OD, TYPE THD. FH
DRILL PIPE GRADE:
OPERATOR'S REPRESENTATIVE: [signature]
CONTRACTOR'S TOOL PUSHER: D Peters

PUMPS No.	MANUFACTURER	TYPE
1.	Oilwell	214-P
2.	Oilwell	214P
3.		

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
	13⅜		0	788	Const	780 Sacs	

TIME DISTRIBUTION--HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL No.	
No. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
No. OF DAYS FROM SPUD	7
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	384
DAY TOUR	
EVENING TOUR	321

FORM D1—1 67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
4	STANDS DP	FT.	Drilling or Core Bit No.	
2	SNGLS. DP	424.74 FT.	TYPE	
2	D.C. 8 OD	56.46 FT.	SIZE	
3	D.C. 6¾ OD	86.87 FT.	NOZZ. SIZE	
6	6¼ OD	143.69 FT.	SERIAL No.	
	RMR BODY OD	FT.	DEPTH IN	
	STB BODY OD	FT.	DEPTH OUT	
3	SUBS 6 OD	5.36 FT.	FT. DRILLED	
1	BIT OR C.B. Sub	2.80 FT.	FT. REAMED	
		FT.	FT. CORED	
	Kelly Down	41.65 FT.	CUM. HRS. RUN	
	TOTAL	FT.	CONDITION	
WT OF STRING		LBS.		

DRILLER: Wm Abbott
WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
17:00	8:00	8	Heading up Run in w/ 12¼" Bit. Pressure Blend Rams to 1150 For 20 minutes. Held OK.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
4	STANDS DP	FT.	Drilling or Core Bit No.	
2	SNGLS. DP	424.74 FT.	TYPE	
2	D.C. 8 OD	56.46 FT.	SIZE	
3	D.C. 6¾ OD	86.87 FT.	NOZZ. SIZE	
6	6¼ OD	143.69 FT.	SERIAL No.	
	RMR BODY OD	FT.	DEPTH IN	
	STB BODY OD	FT.	DEPTH OUT	
3	SUBS 6 OD	5.36 FT.	FT. DRILLED	
	BIT OR C.B.	2.80 FT.	FT. REAMED	
		FT.	FT. CORED	
	Kelly Down	FT.	CUM. HRS. RUN	
	TOTAL	FT.	CONDITION	
WT OF STRING		LBS.		

DRILLER: ~~Dave~~ David Hardie
WEATHER CONDITIONS: MILD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
8:00	4:00	8	REPAIR 4" CAMERON VALVE ON MUD LINE REPAIR POP VALVE ON #2 PUMP HEADING UP

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
4	STANDS DP	FT.	Drilling or Core Bit No.	
3	SNGLS. DP	454.51 FT.	TYPE	
1	D.C. 8 OD	56.46 FT.	SIZE	
3	D.C. 6¾ OD	86.87 FT.	NOZZ. SIZE	
6	6¼ OD	143.69 FT.	SERIAL No.	
	RMR BODY OD	FT.	DEPTH IN	
	STB BODY OD	FT.	DEPTH OUT	
3	SUBS 6 OD	5.36 FT.	FT. DRILLED	
	BIT OR C.B.	2.80 FT.	FT. REAMED	
		FT.	FT. CORED	
	Kelly Down	35.60 FT.	CUM. HRS. RUN	
	TOTAL	994.9 FT.	CONDITION	
WT OF STRING		LBS.		

DRILLER: Kaye Richards
WEATHER CONDITIONS: Fair.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
2:00	11:30	9½	Nipple up BOP's, Hook up Lines To Pit, Kill Line
11:30	13:00	1½	Bleed off Line.
			Press Test Pipe Rams, Hydril and Kelly Cock "OK"
13:00	13:30	½	TAG Bottom. Drill on plug.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

Gallons of Diesel Fuel on Hand at 8:00 a.m. 3496

REPORT No. 7

DATE: Jan 25/90

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Pete

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

DRILL PIPE STRING No. SIZE: 2 4½

TOOL JOINT: 5¾ OD; TYPE THD.: FH

DRILL PIPE GRADE: E

OPERATOR'S REPRESENTATIVE:

CONTRACTOR'S TOOL PUSHER: E. Mill

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: Pacific Et Al Carlson Lake No. A-50

PROVINCE: N.W.T.

PUMPS

No.	MANUFACTURER	TYPE
1.	O.Wells	214-P
2.	O.Wells	214-P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜		0	788	Const	780 Sks	

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT	8	8	8
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.

No. OF LINES 8 SIZE 1/16

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

No. OF DAYS FROM SPUD 6

CUMULATIVE ROTATING HRS.

DAYS SINCE LAST ACCDNT. 158

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 357

DAY TOUR 383

EVENING TOUR 320

FORM DI—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY	FT.
	STANDS DP	FT.
	SNGLS. DP	FT.
	D.C. OD	FT.
	D.C. OD	FT.
	RMR BODY OD	FT.
	STB BODY OD	FT.
	SUBS OD	FT.
	BIT OR C.B.	FT.
		FT.
	Kelly Down	FT.
	TOTAL	FT.
WT OF STRING		LBS.

BIT RECORD

Drilling or Core Bit No.	
TYPE	
SIZE	
NOZZ. SIZE	
SERIAL No.	
DEPTH IN	
DEPTH OUT	
FT. DRILLED	
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	
CONDITION	

DRILLER: Doug Bourque

WEATHER CONDITIONS: Cold

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12:00	8:00	8	Heading Up W.O.C.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY	FT.
	STANDS DP	FT.
	SNGLS. DP	FT.
	D.C. OD	FT.
	D.C. OD	FT.
	RMR BODY OD	FT.
	STB BODY OD	FT.
	SUBS OD	FT.
	BIT OR C.B.	FT.
		FT.
	Kelly Down	FT.
	TOTAL	FT.
WT OF STRING		LBS.

BIT RECORD

Drilling or Core Bit No.	
TYPE	
SIZE	
NOZZ. SIZE	
SERIAL No.	
DEPTH IN	
DEPTH OUT	
FT. DRILLED	
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	
CONDITION	

DRILLER: Wm Roberts

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
8:00	4:00	8	HEADING UP BOPS

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY	FT.
	STANDS DP	FT.
	SNGLS. DP	FT.
	D.C. OD	FT.
	D.C. OD	FT.
	RMR BODY OD	FT.
	STB BODY OD	FT.
	SUBS OD	FT.
	BIT OR C.B.	FT.
		FT.
	Kelly Down	FT.
	TOTAL	FT.
WT OF STRING		LBS.

BIT RECORD

Drilling or Core Bit No.	
TYPE	
SIZE	
NOZZ. SIZE	
SERIAL No.	
DEPTH IN	
DEPTH OUT	
FT. DRILLED	
FT. REAMED	
FT. CORED	
CUM. HRS. RUN	
CONDITION	

DRILLER: David Hardie

WEATHER CONDITIONS: Cold

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
4:00	12:00	8	HEADING UP BOPS

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

Gallons of Diesel Fuel on Hand at 8:00 a.m. 1681

REPORT No. 6

DATE: Jan 24/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Pete

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

OPERATOR'S REPRESENTATIVE: John D Enta

LOCATION: LSD. SEC. TWP. RGE. W.

WELL NAME: Pacific Et Al Carlson Lake No. A-50

PROVINCE: N W T

RIG No.: 16

DRILL PIPE STRING No. SIZE: 2 4½

TOOL JOINT: 5¾ OD; TYPE THD. FH

DRILL PIPE GRADE: E

CONTRACTOR'S TOOL PUSHER: E. Mill

PUMPS No.	MANUFACTURER	TYPE
1.	Oilwell	214-P
2.	Oilwell	214-P
3.		

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	TYPE OF CEMENT	CEMENT USED	OTHER
13⅜		0	788	Const		

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT	8	8	8
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.

No. OF LINES 8 SIZE 1⅛

FEET SLIPPED

FEET CUT OFF 1672

PRESENT LENGTH 4328

TON MI. or TRIPS SINCE LAST CUT 306

CUMULATIVE TON MI. or TRIPS 4729

No. OF DAYS FROM SPUD 5

CUMULATIVE ROTATING HRS.

DAYS SINCE LAST ACCDNT. 157

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 356

DAY TOUR ~~8392~~

EVENING TOUR 319

FORM DI—1—67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	D.C. OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: Doug Pawlka

WEATHER CONDITIONS: Mild Snowing

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
			788			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2	On Guns			

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12:00	8:00	8	W.O.C. Change Rigs Heads & Liners for B.C. Pump. Change Oil in No 1 Pump 5¾-Gal. Change Oil in 1-2-3-4-5-6 Motors 45 Gals. Bowl & Filters.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Bowl			

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	D.C. OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: Wm Abbott

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
8:00	16:00	8	W.O.C. Dig Out Cellar.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	D.C. OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: David Hardie

WEATHER CONDITIONS: Cool

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
4:00	12:00	8	W.O.C. Cut off Casg. & Conductor BBL. Weld on Casg Bowl, Head up

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

Gallons of Diesel Fuel on Hand at 8:00 a.m. 2263

REPORT No. 5

DATE: Jan 23/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETE

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: PACIFIC ET AL CARLSON LAKE No. A-50

PROVINCE: N.W.T.

DRILL PIPE STRING No. SIZE: 2 4½

TOOL JOINT: 5 3/4 OD; TYPE THD. EH

DRILL PIPE GRADE: E

OPERATOR'S REPRESENTATIVE: [signature]

CONTRACTOR'S TOOL PUSHER: E. Mill

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214-P
2.	OILWELL	214-P
3.		

CASING & LINER RECORD

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

TIME DISTRIBUTION — HOURS

	Morn	Day	Eve
DRILLING	4 3/4	2 1/4	
TRIPPING	1 3/4	1	
RIG MAINTENANCE	1/4		
RIG REPAIRS			
HOLE SURVEYS	1/2	1/4	
CONDITIONING MUD			
CONDITIONING HOLE	1/2	1/2	1
Reaming & Cleaning To Bottom	1/4		
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING		3	4 3/4
WAITING ON CEMENT			1/2
HEADING UP & DRILLING OUT			
MISC ELLANEOUS		1	1 3/4
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	9

WIRE LINE RECORD

REEL No.

No. OF LINES 8 SIZE 1/16

FEET SLIPPED

FEET CUT OFF 1672

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT 306

CUMULATIVE TON MI. or TRIPS 5729

No. OF DAYS FROM SPUD 4

CUMULATIVE ROTATING HRS.

DAYS SINCE LAST ACCDNT. 156

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 355

DAY TOUR 381

EVENING TOUR 319

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
5	STANDS DP	454.51 FT.	Drilling or Core Bit No.	4A
	SNGLS. DP	FT.	TYPE	OSC-3
2	8" OD DC.	56.46 FT.	SIZE	17½
3	6¾" OD	86.87 FT.	NOZZ. SIZE	Conv
6	RMR BODY OD	143.69 FT.	SERIAL No.	KA713
	STB BODY OD	FT.	DEPTH IN	532
3	SUBS 6¾ OD	1.35 FT.	DEPTH OUT	
	BIT OR C.B.	5.36 FT.	FT. DRILLED	238
1	B.T Sub	2.80 FT.	FT. REAMED	
	Kelly Down	18.96 FT.	FT. CORED	
	TOTAL	770. FT.	CUM. HRS. RUN	19½
WT OF STRING	52M LBS.		CONDITION	8 B

DRILLER: Doug Compton

WEATHER CONDITIONS: Mild

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
718	59		770		150	8-10

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	700	7¼	54	
PUMP No. 2	700	6½	58	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
730	½°		760	⅛°				

From	To	Elapsed Time		REMARKS
12:00	2:00	2		Drlg 17½" Hole 7:00-7:15 - Clean 8" To Bottom
2:00	2:15		¼	Survey 7:15-8:00 - Drlg 17½" Hole
2:15	2:30		¼	Rig Serv
2:30	4:30	2		Drlg 17½" Hole
4:30	5:00		½	Circ Cond Hole.
5:00	5:15		¼	Survey
5:15	6:30	1	¼	Hoisting (Strap Out) Oil Off Hole Tight 7' To 30' Pulling Out
6:30	7:00		½	Runin Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.7	9.8	9.9	
VISC.	86	125	132	
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	3500		

11:30

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
5	STANDS DP	454.51 FT.	Drilling or Core Bit No.	4A
	SNGLS. DP	FT.	TYPE	OSC-3
2	8" OD DC.	56.46 FT.	SIZE	17½
3	6¾" OD	86.87 FT.	NOZZ. SIZE	Conv
6	RMR BODY OD	143.69 FT.	SERIAL No.	KA713
	STB BODY OD	FT.	DEPTH IN	532
3	SUBS 6¾ OD	5.36 FT.	DEPTH OUT	788
1	BIT OR C.B.	1.35 FT.	FT. DRILLED	256
1	B.T Sub	2.80 FT.	FT. REAMED	
	Kelly Down	36.96 FT.	FT. CORED	
	TOTAL	788 FT.	CUM. HRS. RUN	21¾
WT OF STRING	52M LBS.		CONDITION	2-3-1

DRILLER: Norm Wolcott

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
770	18		788		150	8

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	700	7¼	54	
PUMP No. 2	700	6½	58	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
788	½°							

From	To	Elapsed Time		REMARKS
8:00	10:15	2	¼	Drlg 17½" Hole
10:15	10:45		½	Circ + Wash Pipe
10:45	11:00		¼	Survey @ 788 - ½°
11:00	2:00	1		Pull out To Run Csg
12:00	1:00		1	Rig To Run Csg ~~To Run Csg~~
1:00	4:00	3		Run Csg Weldon Float Shoe + First Three Collars Tied Down - Circ.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.9	9.9		
VISC.	128	130		
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING	LBS.		CONDITION	Ran 37 Jts 13⅜" 48# H40 ST&C R-2 New Casing Landed 793.15' Landed on 30" Conductor @ 788'

DRILLER:

WEATHER CONDITIONS:

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
788			788			

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time		REMARKS
4:00	7:45	4	¾	RUN 13⅜" CSG
7:45	9:45	1		CIRC CASG PRIOR TO CEMENTING
9:45	10:45	1		CEMENTING
10:45	11:30		¾	DISPLACE CEMENT PLUG DOWN @ 11:30 P.M.
11:30	12:00		½	W.O.C.
CEMENTED WITH 700 SACKS DW 1% D Cacl2 15.5 SLURRY DISPLACED W/ 125 BBLS MUD @ 6 BPM 25 BBL Cement Return Did 11:30 PM - 1-22-70				

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 3286

REPORT No. 4

DATE: JAN 22/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: Pacific Pete

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.: 16

OPERATOR'S REPRESENTATIVE: K. Nelson

CONTRACTOR'S TOOL PUSHER: E. Mill

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: Pacific Et Al Carlson Lake No. A-50

PROVINCE: N.W.T.

DRILL PIPE STRING No. SIZE | TOOL JOINT OD / TYPE THD. EH | DRILL PIPE GRADE

PUMPS No.	MANUFACTURER	TYPE
1.	Oilwell	214-P
2.	Oilwell	214-P
3.		

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	3	7 1/4	6 3/4
TRIPPING	3		
RIG MAINTENANCE	1/4	1/4	1/4
RIG REPAIRS			1/2
HOLE SURVEYS	3/4	1/2	1/2
CONDITIONING MUD			
CONDITIONING HOLE	3/4		
Reaming & Cleaning To Bottom	1/4		
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.

No. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

No. OF DAYS FROM SPUD: 3

CUMULATIVE ROTATING HRS.

DAYS SINCE LAST ACCDNT.: 155

DRILLER ACCDNT. FREE DAYS

MORNING TOUR: 354

DAY TOUR: 380

EVENING TOUR: 317

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
2	STANDS DP	FT.	Drilling or Core Bit No.	3A	4A
1	SNGLS. DP	213.76 FT.	TYPE	OSC-3	OSC-3
2	D.C. 8" OD	56.46 FT.	SIZE	17½	17½
3	D.C. 6¼ OD	86.87 FT.	NOZZ. SIZE	Conv	Conv
6	RMR BODY OD	143.69 FT.	SERIAL No.	HJ594	KA713
	STB BODY OD	FT.	DEPTH IN	46	532
3	SUBS 6/0 OD	5.36 FT.	DEPTH OUT	532	
	BIT OR C.B.	FT.	FT. DRILLED	397	18
1	B.I. Sub	2.80 FT.	FT. REAMED	89	
	Kelly Down	41.65 FT.	FT. CORED		
	TOTAL	550.58 FT.	CUM. HRS. RUN	26	3/4
	WT OF STRING	49 M LBS.	CONDITION	2-2-1	BT
	DRILLER	Doug Romaine			
	WEATHER CONDITIONS	Cool			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
505	45		550		160	8-20

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	650	7¼	53	
PUMP No. 2	650	6½	55	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
510	3/4		550	5/8				

From	To	Elapsed Time	REMARKS
12:00	12:30	½	Drlg 17½" Hole 7:00-7:45 - Drlg 17½" hole
12:30	12:45	¼	Rig Serv. 7:45-8:00 - Survey
12:45	1:15	½	Survey
1:15	3:00	1¾	Drlg 17½" Hole
3:00	3:45	¾	Work Pipe Raise V.S. Prior To Trip.
3:45	5:45	2	Hoisting Hole Tight
5:45	6:45	1	Run In Hole
6:45	7:00	¼	Clean 2' To Bottom.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10	10	Trip	
VISC.	68	148		
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2000#		

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
3	STANDS DP	FT.	Drilling or Core Bit No.	4A	
1	SNGLS. DP	304.23 FT.	TYPE	OSC-3	
2	D.C. 8" OD	56.46 FT.	SIZE	17½	
3	D.C. 6¼" OD	86.87 FT.	NOZZ. SIZE	Conv	
6	RMR BODY OD	143.69 FT.	SERIAL No.	KA713	
	STB BODY OD	FT.	DEPTH IN	532	
3	SUBS 6/0 OD	5.36 FT.	DEPTH OUT		
1	BIT OR C.B.	2.80 FT.	FT. DRILLED	86	
		FT.	FT. REAMED		
	Kelly Down	20.59 FT.	FT. CORED		
	TOTAL	618 FT.	CUM. HRS. RUN	8	
	WT OF STRING	49. LBS.	CONDITION	Drlg	
	DRILLER	Wm Abbott			
	WEATHER CONDITIONS				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
550	68		618		160	7 3/4 1/2

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	650	7¼	53	
PUMP No. 2	650	6½	55	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
578	2°		608	¼				

From	To	Elapsed Time	REMARKS
6:00	8:15	¼	Service Rig
8:15	10:30	2¼	Drlg 17½" Hole
10:30	10:45	¼	Survey @ 578 - 2°
10:45	3:15	4	Drlg 17½" Hole
3:15	3:30	¼	Survey @ 608 - ¼°
3:30	4:00	½	Drlg 17½" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.9	9.9	9.9	9.8
VISC.	82	76	84	77
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1800		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
4	STANDS DP	365.03 FT.	Drilling or Core Bit No.	4A	
1	SNGLS. DP	30.17 FT.	TYPE	OSC3	
2	D.C. 8" OD	56.46 FT.	SIZE	17½	
3	D.C. 7" OD	86.87 FT.	NOZZ. SIZE	Conv	
6	RMR BODY OD	143.69 FT.	SERIAL No.	KA713	
	STB BODY OD	FT.	DEPTH IN	532	
3	SUBS 6/0 OD	5.36 FT.	DEPTH OUT		
	BIT OR C.B.	FT.	FT. DRILLED	179	
1	BIT SUB	2.80 FT.	FT. REAMED		
	Kelly Down	20.62 FT.	FT. CORED		
	TOTAL	711.00 FT.	CUM. HRS. RUN	14 3/4	
	WT OF STRING	51 M LBS.	CONDITION	0-B	
	DRILLER	David Hardie			
	WEATHER CONDITIONS	Cool + Trace of Snow			

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
618	93		711		150	10 1/2 1/8

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	700	7½	53	
PUMP No. 2	700	6½	58	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
630	1/2°		690	3/4°				

From	To	Elapsed Time	REMARKS
4:00	5:00	1	DRLG. 17½" HOLE
5:00	5:30	½	KELLY COCK LEAKING, BREAK & CLEAN + MAKE UP SAME
5:30	5:45	¼	RIG SER.
5:45	6:00	¼	SURVEY @ 690
6:00	10:30	4½	DRLG. 17½" HOLE
10:30	10:45	¼	SURVEY @ 690 3/4°
10:45	11:00	¼	DRLG 17½" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.9	9.9	9.9	9.9
VISC.	72	98	95	88
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	3500#		

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 3012

REPORT No. 3

DATE: Jan 21 70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETE | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: PACIFIC ET AL CARLSON LAKE No. A-50 | PROVINCE: N W T

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD. | RIG No. 16 | DRILL PIPE STRING No. SIZE | TOOL JOINT OD TYPE THD. | DRILL PIPE GRADE

OPERATOR'S REPRESENTATIVE: D. McCan | CONTRACTOR'S TOOL PUSHER: E. Mill

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214-D
2.	OILWELL	214-D
3.		

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	5½	6	7
TRIPPING			
RIG MAINTENANCE	¼	¼	¼
RIG REPAIRS			
HOLE SURVEYS	1¾	¾	¾
CONDITIONING MUD			
CONDITIONING HOLE	½		
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE		1	
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.

No. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI or TRIPS

No. OF DAYS FROM SPUD 3

CUMULATIVE ROTATING HRS.

DAYS SINCE LAST ACCDNT. 154

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 353

DAY TOUR 380

EVENING TOUR 316

FORM D1—I-67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	3A
	SNGLS. DP	FT.	TYPE	OSC-3
2	D.C. 8" OD	56.46 FT.	SIZE	17½
3	D.C. 7¼" OD	86.33 FT.	NOZZ. SIZE	Conv
1	RMR BODY 6½ OD	2.30 FT.	SERIAL No.	HJ594
1	STB BODY 6½ OD	1.97 FT.	DEPTH IN	46
1	SUBS 6½ OD	1.09 FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	144
1	BIT SUB	2.80 FT.	FT. REAMED	~~135~~ 89
	Kelly Down	41.65 FT.	FT. CORED	
	TOTAL	279.41 FT.	CUM. HRS. RUN	10¾
WT OF STRING	40M LBS.		CONDITION	OB

DRILLER Doug Roupke

WEATHER CONDITIONS Cold

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
145	134		~~273~~ 279		150	4-8

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	500	7¼	53	
PUMP No. 2	500	6½	58	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
160	⅛		190	⅛°		220	⅛°	

From	To	Elapsed Time	REMARKS
12:00	12:45	¾	Drlg 17½ Hole 5:45-7:30 Drlg 17½" Hole ¾
12:45	1:00	¼	Rig Serv 7:30-8:00 (Survey Miss Run) ½
1:00	1:30	½	Work Pipe Hole Sloughing
1:30	1:45	¼	Survey
1:45	3:30	1¾	Drlg 17½° Hole
3:30	4:00	½	Survey
4:00	5:15	1¼	Drlg 17½° Hole
5:15	5:45	½	Survey

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.8	9.8	9.8	9.8
VISC.	43	48	44	43
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	500		

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	3A
1	SNGLS. DP	31.01 FT.	TYPE	OSC-3
2	D.C. 8" OD	56.46 FT.	SIZE	17½
3	D.C. 7" OD	86.47 FT.	NOZZ. SIZE	Conv
5	6¼" OD	143.69 FT.	SERIAL No.	HJ594
	RMR BODY OD	FT.	DEPTH IN	46 ~~135~~
	STB BODY OD	FT.	DEPTH OUT	
3	SUBS 6½ OD	5.36 FT.	FT. DRILLED	224
1	BIT ~~SUB~~ C.B. SUB	2.80 FT.	FT. REAMED	~~135~~ 89
	Kelly Down	37.81 FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	16¾
WT OF STRING	45M LBS.		CONDITION	Dull

DRILLER Wm Whitbread

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
279	85		364		150	16/20

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	550	7¼	53	
PUMP No. 2	550	6½	58	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
280	0°		306	¼°		334	¼°	

From	To	Elapsed Time	REMARKS
8:00	8:15	¼	Rig Service
8:15	8:30	¼	Survey @ 280-0°
8:30	9:30	1	Drlg 17½" Hole
9:30	10:00	¾	Survey @ 306-¼° Hole Sloughing. Work Pipe
10:00	1:30	3	¼ Drlg 17½" Hole
1:30	2:00	½	Work Pipe-Hole Sloughing
2:00	2:15	¼	Survey @ 334 - ¼°
2:15	4:00	1¾	Drlg 17½" Hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.8	9.8	9.8+	10.2
VISC.	41	50	57	82
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	5600		

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
2	STANDS DP	183.13 FT.	Drilling or Core Bit No.	3A
	SNGLS. DP	FT.	TYPE	OSC-3
2	D.C. 8" OD	56.46 FT.	SIZE	17½
3	D.C. 7" OD	86.87 FT.	NOZZ. SIZE	Conv
6	6¼" OD	143.69 FT.	SERIAL No.	HJ594
	RMR BODY OD	FT.	DEPTH IN	46 ~~135~~
	STB BODY OD	FT.	DEPTH OUT	
3	SUBS OD	5.36 FT.	FT. DRILLED	370
	BIT OR C.B.	FT.	FT. REAMED	~~135~~ 89
1	BIT SUB	2.80 FT.	FT. CORED	
	Kelly Down	26.61 FT.	CUM. HRS. RUN	23¾
	TOTAL	505.00 FT.	CONDITION	OB
WT OF STRING	48M LBS.			

DRILLER David Hardie

WEATHER CONDITIONS Cold

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
364	141		505		150	16/20

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	550	7¼	53	
PUMP No. 2	550	5½	55	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
360	¼°		290	½°		450	¼°	

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	DRLG 17½" HOLE
4:15	4:30	¼	SURVEY @ 360 ¼°
4:30	4:45	¼	RIG SER.
4:45	6:15	1½	DRLG 17½" HOLE
6:15	6:30	¼	SURVEY @ 390 ½°
6:30	9:30	3	DRLG 17½" HOLE
9:30	9:45	¼	SURVEY @ 450
9:45	12:00	2¼	DRLG 17½" HOLE

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	10.2	10.2	10.2	
VISC.	72	68	65	
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	9800#		

Gallons of Diesel Fuel on Hand at 8:00 a.m. 4092 Gal

REPORT No. 2

DATE: Jan 26/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR Pacific Petr

CONTRACTOR PETER BAWDEN DRILLING SERVICES LTD.

RIG No. 16

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME Pacific Petr Et Al Carlson Lake No. A-50

PROVINCE N.W.T.

DRILL PIPE STRING No. SIZE 4½ | TOOL JOINT OD TYPE THD. FH | DRILL PIPE GRADE E

OPERATOR'S REPRESENTATIVE

CONTRACTOR'S TOOL PUSHER E. Mill

PUMPS No.	MANUFACTURER	TYPE
1.	Oilwell	214-P
2.		
3.		

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING	1½	2¼	¼
TRIPPING			¼
RIG MAINTENANCE			¼
RIG REPAIRS			½
HOLE SURVEYS		¾	¾
CONDITIONING MUD			
CONDITIONING HOLE	½		
Reaming & Cleaning To Bottom			5
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS	6	5	
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS	8	8	8

WIRE LINE RECORD

REEL No.	
No. OF LINES / SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
No. OF DAYS FROM SPUD	2.
CUMULATIVE ROTATING HRS.	
DAYS SINCE LAST ACCDNT.	153
DRILLER ACCDNT. FREE DAYS	
MORNING TOUR	352
DAY TOUR	379
EVENING TOUR	315

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	1 A RR
	SNGLS. DP	FT.	TYPE	S4T
	OD D.C.	FT.	SIZE	12¼
1	8"/8 OD	29.39 FT.	NOZZ. SIZE	3-9/16
1	RMR BODY 8/00D	2.30 FT.	SERIAL No.	904411
1	STB BODY 8/00D	1.97 FT.	DEPTH IN	46
1	SUBS 8/0 OD	1.09 FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	33
1	Bit Sub	2.80 FT.	FT. REAMED	
	Kelly Down	41.65 FT.	FT. CORED	
	TOTAL	79.20 FT.	CUM. HRS. RUN	1½
	WT OF STRING	28M LBS.	CONDITION	1-1-1

DRILLER D. Rourke

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
46	33		79		70	4

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	450	7¼	52	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12:00	1:00	1	Finish Digging Cellar Clean Up Floor
1:00	3:00	2	Rig Up To Spud
3:00	4:30	1½	Spud In Drill 12¼ Hole
4:30	5:00	½	Circ Work Kelly Clean Hole
5:00	8:00	3	Wait For Toco (Cleaning Up Rig)

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.5			
VISC.	43			
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Nil			

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	1 A RR
	SNGLS. DP	FT.	TYPE	S4T
2	8" OD D.C.	56.46 FT.	SIZE	12¼
2	7" OD	52.64 FT.	NOZZ. SIZE	3-9/16
	RMR BODY OD	FT.	SERIAL No.	904411
	STB BODY OD	FT.	DEPTH IN	46
3	SUBS 8/0 OD	5.36 FT.	DEPTH OUT	135
	BIT OR C.B. Sub	2.80 FT.	FT. DRILLED	89
		FT.	FT. REAMED	
	Kelly Down	23.50 FT.	FT. CORED	
	TOTAL	135.76 FT.	CUM. HRS. RUN	3¾
	WT OF STRING	28M LBS.	CONDITION	1-1-1

DRILLER Wm Ulbrott

WEATHER CONDITIONS

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
79	56		135		80/50	6/4

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	400	7¼	51	
PUMP No. 2				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
60	⅛		95	5/8		120	¼	

From	To	Elapsed Time	REMARKS
8:00	10:30	2½	W.O.T. For Toco.
10:30	11:45	2	Blow Kelly - Break Case + Clean To Bottom - Circulate
11:45	12:00	1 ¼	Pick up DC 3:15-3:30 — Survey @ 123
12:00	1:15	¼	Survey @ 60' - ⅛° 3:30 — Pull — Blow Kelly + ½ Lay Down DCs
1:15	2:00	1 ¼	Drlg 12¼" Hole
2:00	2:15	¾	Stand Kelly Back + Pick up 7" DC.
2:15	3:15	¼	Survey @ 95 - ⅝°
		1	Drlg 12¼ hole

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				9.7
VISC.				43
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	2-A
	SNGLS. DP	FT.	TYPE	OSC-3
2	8" OD D.C.	56.46 FT.	SIZE	17½
2	7" OD	57.65 FT.	NOZZ. SIZE	CONV.
	RMR BODY OD	FT	SERIAL No.	J55594
	STB BODY OD	FT.	DEPTH IN	@46
3	SUBS OD	5.36 FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	10 ¼/hr
	8/SUB	2.80 FT.	FT. REAMED	135 5 hrs.
	Kelly Down	22.73 FT.	FT. CORED	
	TOTAL	145.00 FT.	CUM. HRS. RUN	
	WT OF STRING	34M LBS.	CONDITION	O.B.

DRILLER David Hanis

WEATHER CONDITIONS COLD.

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#
135	10	135	145		150	2/5
		146				

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	400	7¼	38	
PUMP No. 2	400	5½	60	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
60	½		95	0°		120	¼	

From	To	Elapsed Time	REMARKS
4:00	4:15	¼	RIG SER.
4:15	5:30	1 ¼	BREAK OFF 12¼" BIT + RUN IN W/ 17½" BIT
5:30	7:00	1 ½	REAM 12¼" HOLE TO 17½" 11:30-11:45 ¼ SURVEY @ 120
7:00	7:15	¼	SURVEY @ 60' 11:45-12:00 ¼ DRLG 17½" HOLE
7:15	8:45	1 ½	REAM
8:45	9:15	½	RESTRING GEOLOGRAPH LINE
9:15	9:30	¼	SURVEY @ 95
9:30	11:30	2	REAM

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.		43		
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. _____ REPORT No. _____ DATE: Jan 19/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR Pacific Pete

CONTRACTOR PETER BAWDEN DRILLING SERVICES LTD.

RIG No. 16

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME Pacific Et Al Carlson Lake No. 1 A-50

PROVINCE NWT

OPERATOR'S REPRESENTATIVE K. McCann

CONTRACTOR'S TOOL PUSHER L. Mill

DRILL PIPE STRING No. SIZE

TOOL JOINT OD TYPE THD.

DRILL PIPE GRADE

PUMPS

No.	MANUFACTURER	TYPE
1.	Oilwell	214-P
2.	Oilwell	214-P
3.		

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISC ELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL No.

No. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

K.B. To Ground 12.40

No. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

DAYS SINCE LAST ACCDNT. 152

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 351

DAY TOUR

EVENING TOUR 314

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	OD D.C.	FT.	SIZE	24"
1	C/6 OD 4.50	FT.	NOZZ. SIZE	Conv.
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	0
	SUBS OD	FT.	DEPTH OUT	46
	BIT OR C.B. 1.00	FT.	FT. DRILLED	
1	Bell Sub 2.40	FT.	FT. REAMED	
	Kelly Down 38.65	FT.	FT. CORED	
	TOTAL 46.55	FT.	CUM. HRS. RUN	8½
WT OF STRING 12 M	LBS.		CONDITION	1-1-1
DRILLER D. Rourke				
WEATHER CONDITIONS				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #
			46		48	

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1	100	7¼	40	
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
1700	2330	3 ½	Drlg Conductor Hole
2330	430	1	Circ Cleaning Hole
430	500	½	Break Off Bit
500	630	1 ½	Displace Hole To Water
630	745	1 ¼	Run 2 Conductor BBL w/ Blank End & Displace Water From Hole
745	800	¼	Bailing Out Cellar

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT	9.5	9.5	9.5	
VISC.	54	76	78	
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	8.00		

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	OD D.C.	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING	LBS.		CONDITION	
DRILLER				
WEATHER CONDITIONS				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
800	830	½	Bailing Cellar
830	900	½	Cut Blank End From Conductor BBL
900	1030	1 ½	Cement Conductor BBL w/ 25 Sacks Cement.
1030	1100	½	Wait On Cement To Set Up
			Drlg. Rat Hole w/ 12¼" Bit
			450 - B. Sub
			240 - Bit

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	OD D.C.	FT.	SIZE	
	OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING	LBS.		CONDITION	
DRILLER David Hardie				
WEATHER CONDITIONS Cold				

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
400	600	2	W.O.C., Complete Drlg. Rat Hole
600	1000	4	Drill Mouse Hole
1000	1200	2	Blow Kelly, Breakoff Bell Sub & Bit, Blow Cellar Jet & Tear Out Same, Put On Flow Line

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FORM D1—1-67

Gallons of Diesel Fuel on Hand at 8:00 a.m. 5' 6"

REPORT No.

DATE: Jan 18/70

DAILY TOUR REPORT

CONSERVATION BOARD COPY

OPERATOR: PACIFIC PETE

CONTRACTOR: PETER BAWDEN DRILLING SERVICES LTD.

RIG No.

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: PACIFIC ET AL CARLSON LAKE No. A-50 PROVINCE: N.W.T.

DRILL PIPE STRING No. SIZE | TOOL JOINT OD TYPE THD. | DRILL PIPE GRADE

OPERATOR'S REPRESENTATIVE: L. McCon

CONTRACTOR'S TOOL PUSHER: L. Mill

PUMPS No.	MANUFACTURER	TYPE
1.	OILWELL	214-P
2.	OILWELL	214-P
3.		

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

	Morn	Day	Eve
DRILLING			
TRIPPING			
RIG MAINTENANCE			
RIG REPAIRS			
HOLE SURVEYS			
CONDITIONING MUD			
CONDITIONING HOLE			
Reaming & Cleaning To Bottom			
WORKING OR STUCK PIPE			
FISHING			
LOST CIRCULATION			
CASING			
WAITING ON CEMENT			
HEADING UP & DRILLING OUT			
MISCELLANEOUS			
SUB TOTAL			
DAYWORK HOURS			
TOTAL HOURS			

WIRE LINE RECORD

REEL No.

No. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

K.B. TO GROUND 12.40

No. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

DAYS SINCE LAST ACCDNT. 151

DRILLER ACCDNT. FREE DAYS

MORNING TOUR 350

DAY TOUR 377

EVENING TOUR 243

FORM D1—1-67

MORNING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	1A
	SNGLS. DP	FT.	TYPE	54J
	D.C. OD	FT.	SIZE	12¼
	D.C. OD	FT.	NOZZ. SIZE	3/9/16
	RMR BODY OD	FT.	SERIAL No.	904411
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: Dave Forsythe

WEATHER CONDITIONS: Cold

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12:00	5:00	5	Drlg RAT HOLE (HOLE SLOUGHING IN)
5:00	8:00	3	WAIT ON WATER TRUCK DRAIN MUD LINES & PUMPS.
8:00	12:00	4	BUILD BENCH IN SHOP
			HOOK UP MOTOR SHUTOFFS.

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	D.C. OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: Wm Blodgett

WEATHER CONDITIONS: Cold

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
8:00	4:00	8	WAIT ON WATER TRUCK
			WELD CONNECTOR BBL TOGETHER
			DIGGING D. TCHES

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

No.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	Drilling or Core Bit No.	
	SNGLS. DP	FT.	TYPE	
	D.C. OD	FT.	SIZE	
	D.C. OD	FT.	NOZZ. SIZE	
	RMR BODY OD	FT.	SERIAL No.	
	STB BODY OD	FT.	DEPTH IN	
	SUBS OD	FT.	DEPTH OUT	
	BIT OR C.B.	FT.	FT. DRILLED	
		FT.	FT. REAMED	
	Kelly Down	FT.	FT. CORED	
	TOTAL	FT.	CUM. HRS. RUN	
WT OF STRING		LBS.	CONDITION	

DRILLER: David Hardie

WEATHER CONDITIONS: COLD

Depth At Beginning of Tour	Drilled This Tour	Cored or Reamed This Tour	Depth At End of Tour	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000 #

	PUMP PRESS.	LINER SIZE	S.P.M.	HRS. RUN
PUMP No. 1				
PUMP No. 2				

DEVIATION RECORD:

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

From	To	Elapsed Time	REMARKS
12:00	5:00	5	WAIT ON WATER TRUCK, REPAIR HEATER IN DOGHOUSE
5:00	7:00	2	PRIME PUMPS
7:00	12:00	5	DRLG. CONDUTOR HOLE 24"
			SPUD IN 7PM. JAN-17-70
			K.B. TO GR. 12.40

MUD RECORD

TIME	1st HR.	3rd HR.	5th HR.	7th HR.
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK.				
pH				
SD. CONT.				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	46 sks		

Gallons of Diesel Fuel on Hand at 8:00 a.m.

REPORT No.

DATE: JAN 17/70