SHELL TROUT LAKE 0-41

Drilling Authority No. 279
Date Issued December 1, 1967

WELL NAME Shell Trout Lake O-42
FIELD Area:
LOCATION: Unit O Section 42 Grid 40-10-121-30
Latitude 60-00-54 Longitude 121-38-05
From Established Reference Marker

U.W.I.R. 60.01500 -- 121.63472
U.W.I.No. 300N121O0121300

Rig Release Date: Feb. 7/68
Status D & A
Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
Dec. 1, 1967	Application for a Drilling Authority.
Feb 22/68	Well Completion Data.
	Well History Report.
Dec. 12, 1967	Application to Amend a Drilling Authority.
Dec. 12, 1967	Application to change a Well Name.
Feb. 7, 1968	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No.
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells — Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells — Vitter's Method.
	M.P.R. — Oil — Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Cards.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs. Large scale Small scale

Drilling Authority No. 279
Date Issued Dec. 1, 1967
Well Name amended Dec. 12, 1967.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

WELL COMPLETION DATA

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

Well name and number SHELL TROUT LAKE O-41

Permit No. P-2711 Lease No.

SHELL CANADA LIMITED (Permittee, Licensee, Lessee) Exploratory Licence No. 1877

SHELL CANADA LIMITED (Operator) Exploratory Licence No. 1877

Location Unit O Section 41 Grid 60°10'N., 121°30'W.

Latitude 60°09' 54" N. Longitude 121°30'03" W Lat. 60°09'-03.946"N

From Established Reference Marker Mon. 77 on B.C.-N.W.T.Boundary Long.121°30'-23.033"

Universal Well Location Reference Lat. 60.81500°N., Long. 121.50472°W.

	DATE	DEPTH
Spudded	Dec. 16/67	
Suspended	-	
Resumed Operations	-	
Finished Drilling	Jan. 28/68	7306'
Deepened	-	
Completed (gas/oil)	-	
Abandoned	Feb. 1/68	
Rig released	Feb. 1/68	

Pool(s)

Interval(s) open to production None

Elevations: Gr. 1703.7 K.B. 1720.8

Rig No. 10

Drilling Contractor Bederre

Contractor's Business Licence No. 18285

CASING RECORD

	Casing Size (inches)	Grade	Weight	Amount	Set at	Sacks of Cement and Additives
1.	9 5/8"	J-55	36#	2035	870'	730 Sacks Construction + 2% $CaCl_2$
2.						
3.						
4.						
5.						
6.						

GEOLOGICAL TOPS	ELEVATION Depths	ELEVATION Sub-Sea
Mississippian	1254	+467
Carleon	3102	-1381
Hay Line	3520	-1799
Teiche	4810	-3089
Slave Point	6426	-4705
Watt Mtn.	6787	-5067
Sulfur Point	6785	-5064
Presqu'ile	7062	-5341
Lower Palaeozoic	7104	-5383
T.D.	7305	-5587

CORE RECORD

From	To	Rec.	From	To	Rec.
None					

LOG RECORD

Run No.	Type of Log	From	To
1	DILL	7300	868
1	FDC GR	7305	6200
1	BHCS - GRC	7296	868
1	MLL	7305	6200

Directional Survey 7300 868

FEB 28 1968

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

CEMENTING RECORD (Plug, Squeeze, etc.)

Date	From	To	Remarks
Jan. 31/68	7948	6700	Plug #1 300 sacks Portland. Plug down at 12:40 AM Jan. 31/68
Jan. 31/68	920	820	Plug #2. 90 sacks plus 3% CaCl2. Plug down at 9 PM Jan. 31/68 Rate at 791' at 3:30 AM Feb. 1/68
Feb. 1/68	5 sacks of cement run at surface, cut off casing, welded on plate, and erected post and sign.		

PERFORATING RECORD (Bullet, Jet)

Date	From	To	Remarks
NONE			

SERVICING RECORD (Acidizing, Fracing, etc.)

Date	From	To	Remarks
NONE			

DRILL STEM TESTS

No.	Date	Formation	From	To	V.S. 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.	Jan.29/68	Sulfurfoint	6810	6880	30	30	60	2719	2719	1377	2647	3222	3193	GTS in 5 min @ 300 MCF/D. TSTM in 10 min. S.U.T.S. in 25 min. Rec. 4145 ft S&O Cut S.U.
2.	Jan.30/68	Presqu'ile	7010	7080	45	30	60	2641	2641	199	199	3395	3336	300' water cushion 58' mud

FIELD READINGS OF PRESSURES GIVEN.

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks
DST #1					
E 68-5895	Water	6810	6880	Drill Pipe 3992' above D.S.T. Tool	Sat Cut Salt water Cl- 73,000 Mg./l DST #1
E 68-5921	Gas	6810	6880	Blow Line on D.S.T. Tool Head	DST #1
DST #2					
E 68-6017	Water	7010	7080	10.5' above top packer	DST #2

PRESENT STATUS OF WELL

		(Interval)
Oil		
Gas		
Dry		D & A
Susp.		

Company SHELL CANADA LIMITED

Signed by ORIGINAL SIGNED BY J. M. MacLEOD for A. N. Malachin

Title Manager, Edmonton Division Production

Date Feb. 22, 1968.

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

File No.

Drilling Authority No. [illegible]

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCE MANAGEMENT DIVISION

Application to Abandon a Well [redacted]

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 SHELL FROST LAKE O-41

Location: Unit O Section 24 Grid [illegible]

Latitude 60° 00' 51" N. Longitude 121° 40' 02" W.

From Established Reference Marker NEW [illegible] B.C. — B.C.-N.W.T. Boundary

Lat. 60° 00' 03" N., Long. 121° 39' 00"

Permit No. P-2711 Lease No.

Universal Well Location Reference:
Lat. 60.01500° N., long. 121.63472° W.

SHELL CANADA LIMITED
(Operator, Licensee, Lessee)

Date of commencement of proposed program

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at NIL

Gas at [illegible]

Water at NIL ON 6600

Total Depth 7303 Date of last operations FEBRUARY 1, 1968

Present condition of well

DRILLED AND ABANDONED

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At	Sack of Cement and Additives	Amount Pulled
1. 9 5/8"	[illegible]	40 JTS.	520'	750 MCD	NIL
2.				COMMERCIAL CEMENT + 2% CaCl2	
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	7100–6900	DEVONIAN	300	
2	920–520		90	TEST AFTER 8 HOURS W.O.C.
3	SURFACE		5	CUT OFF CASING, WELD ON PLATE, EIGHT FEET

The following logs have been run DLL, FDC-GR, [illegible] H.C. S.R.S.

Other operations proposed NONE

Operations to be carried out by EASTERN DRILLING LTD. Contractor Licence No. [illegible]

Address CALGARY, ALBERTA Address CALGARY, ALBERTA

Responsible Agent in field R. G. LORD

Dated at EDMONTON ORIGINAL SIGNED BY this 1 Day of FEBRUARY 1968

Signed by J. M. MacLEOD for Company SHELL CANADA LIMITED

Title MANAGER - EDMONTON DIVISION PRODUCTION Operator's Exploratory Licence No. 1077

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

(For RESOURCE MANAGEMENT DIVISION use only)

APPROVAL

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

Confirming oral approval given by Mr. R.H.J. Thoms on the 29th of January 1968.

Dated 7th February, 19 68

R. H. Thoms
Oil Conservation Engineer

Forms to be submitted in triplicate to Oil Conservation Engineer, Calgary, Alberta

NANR 52-90 (5) (7-65)

File No. .....

Drilling Authority No. 279

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

RESOURCE MANAGEMENT DIVISION

Application to Change a Well Name

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

Shell Trout Lake F-41

(Old name)

to **Shell Trout Lake C-41**

(Proposed new name)

Well Location

Location: Unit **C** Section **41** Grid **60° 18' N, 121° 30' W**

Latitude **60° 00' 34" N** Longitude **121° 38' 05" W**

From Established Reference Marker .....

Universal Well Location Reference .....

Reason for Changing Well Name

Survey of area indicates tentative survey plan forwarded November 29, 1967 is in error. Location line within Unit C, Section 41.

Dated at **Edmonton** this **11** day of **December,** 19**67**

Signed by E. A. HOPKIN

Title **Manager - Edmonton Division Production**

Company **Shell Canada Limited**

(For Resource Management Division use only)

APPROVED

This application has been examined and approved.

Universal Well Location Reference changed to:

Lat. 60.01500° N. Long. 121.63472° W.

Unique Well Identifier changed to: 3000416010121300

Date **12th December**, 19**67**

Oil Conservation Engineer

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

IAND 52-90-4 (3-67)

File No.

Drilling Authority No. 279

Department of Indian Affairs and Northern Development

Resources & Economic Development Group

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. 279 concerning Shell Trout Lake F-41

(Name and Number of Well)

The following amendments are required:

Change of well name to:

Shell Trout Lake G-41

Latitude: 60° 30' 36" N

Longitude: 121° 38' 05" W

Reasons for the amendments: Survey of area indicates location survey plat forwarded December 29, 1967 is in error. Location lies within Unit G, Section 41.

Dated at Edmonton, this 11 day of December, 19 67

ORIGINAL SIGNED

Signed by E. A. HOPKIN

Title Manager - Edmonton Division Production

Company Shell Canada Limited

(For Resource Management Division use only)

APPROVED

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

Universal Well Location Reference changed to:

Lat. 60.01500° N., Long. 121.63472° W.

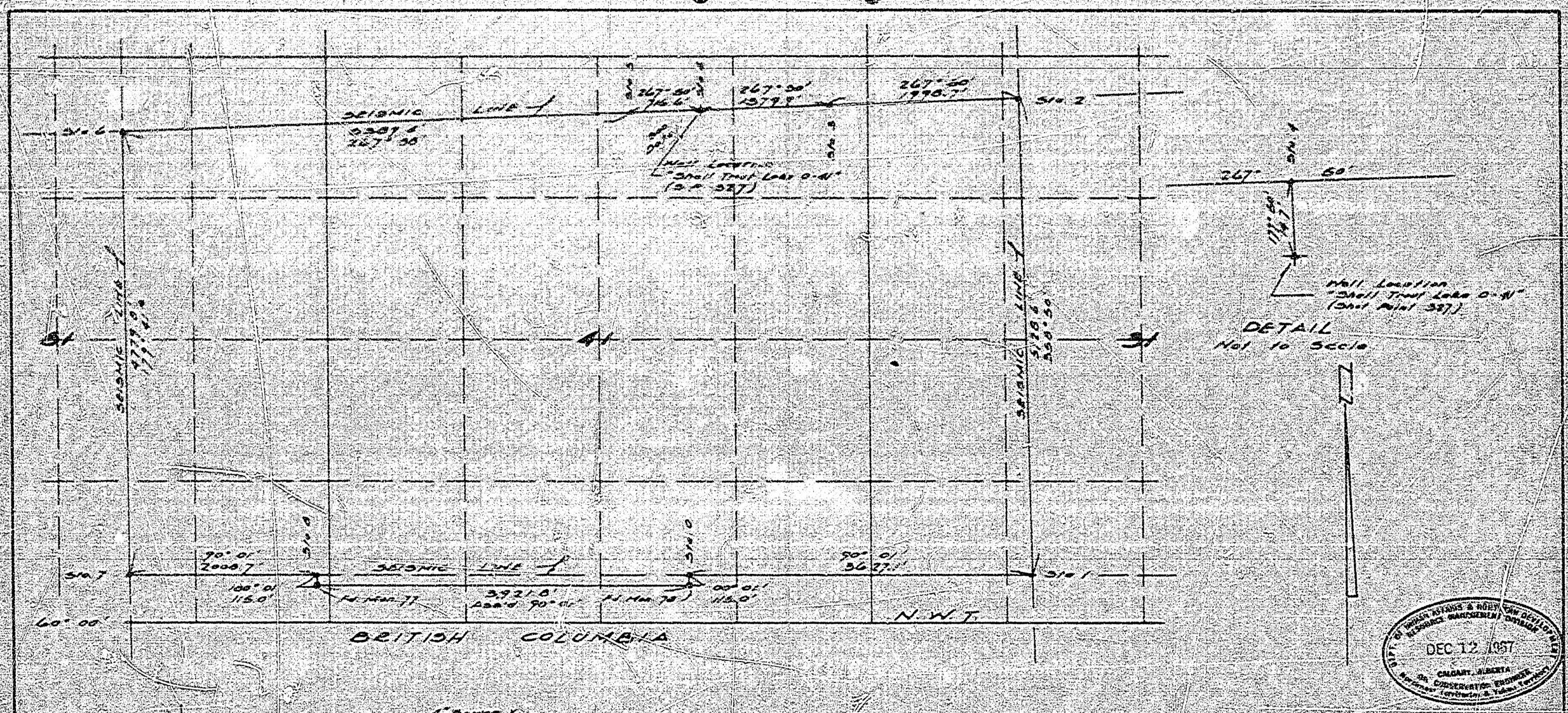
Unique Well Identifier changed to: 3300616010221300

Date 12th December, 19 67

Oil Conservation Engineer

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

NANR 52-90-3 (7-65)



Shell Canada Limited

PLAN

SHOWING WELL LOCATION FOR

"Shell Trout Lake O-41"

In Unit O, Sec. 41, Grid Area 61° 10' N, 121° 30' W

Lat. 60° 00' 54" N Long. 121° 30' 05" W

NORTHWEST TERRITORIES

Scale 1" = 1000'

G.E.: 1705.2'

BEARINGS ARE REFERRED TO MERIDIAN THRU MON. 77 ON B.C.-N.W.T. BOUNDARY. LAT. 60° 00' 03.946" N. LONG. 121° 35' 25.062"

For Shell Canada Limited,

E. Black

D. G. Finlay

DATUM:

TOP OF MONUMENT 77 ON B.C.-N.W.T. BOUNDARY. ELEV. 1674.7'

CERTIFIED CORRECT:-

SURVEYED DECEMBER 2nd, 1967

Dominion Land Surveyor

B. J. Lang

WITNESS

HAMILTON & OLSEN SURVEYS LTD.

EDMONTON, ALBERTA

N.S. 3344, N.W.T. 67/65, B.C.

624-25/25

DEPT. OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT
RESOURCES MANAGEMENT BRANCH
DEC 12 1967
CALGARY, ALBERTA
DIV. CONSERVATION ENGINEER
Northern Territories & Yukon Territory

Drilling Authority No. 279

Project No. Indef-7-67-4

File No. 5

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application for a Drilling Authority

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

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

Name and number of well: Shell Trout Lake P-41

Location: Unit P Section 41 Grid 60° 10' N 121° 30' W On B.P. 327 Fairchild 91 96

Latitude 60° 00' 54" Longitude 121° 37' 56"

From Established Reference Marker:

Universal Well Location Reference 60.0150° N. Lat. 121.6322° W. Long.

Elevation: Ground Est. 1700 K.B. Est. 1715 feet above sea-level

Well is expected to produce from Slave Point or Keg River formation at a depth of about feet. Expected total final depth

Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. P-1711 Lease No. Acreage 63,854

Permittee, licensee, or lessee Shell Canada Limited

Exploratory Licence No. 1077

Surface owned by Crown or Crown

Petroleum and natural-gas rights owned by Shell Canada Limited (If Crown, give name and address of owner and occupant.)

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

	Casing Size O.D. (inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Sacks of Cement
1.	9-5/8	36	J-55	Saw	650'	650
2.						
3.						
4.						
5.						

Expected water, gas and oil horizons and type of control equipment:
Slave Point or Keg River
10" Series 900 Type B Hydraulic Double Sheaffer
10" Series 900 GK Hydril

Well will be drilled with Rotary Rig No. 10 by Mabors Drilling Ltd. (Drilling Contractor or company)

Responsible agent of applicant:— Contractor's Business Licence No. 18285

At well: R. G. Lord At registered office: A. M. McLachlin

Address: Box 186, Edmonton Address: Box 186, Edmonton

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

Dated at Edmonton this 29 day of NOVEMBER 1967

Signed by [signature] Company Shell Canada Limited

Title Manager-Edmonton Division Operator's Licence No. 1077

(For Resource Management Division use only)

APPROVED

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

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

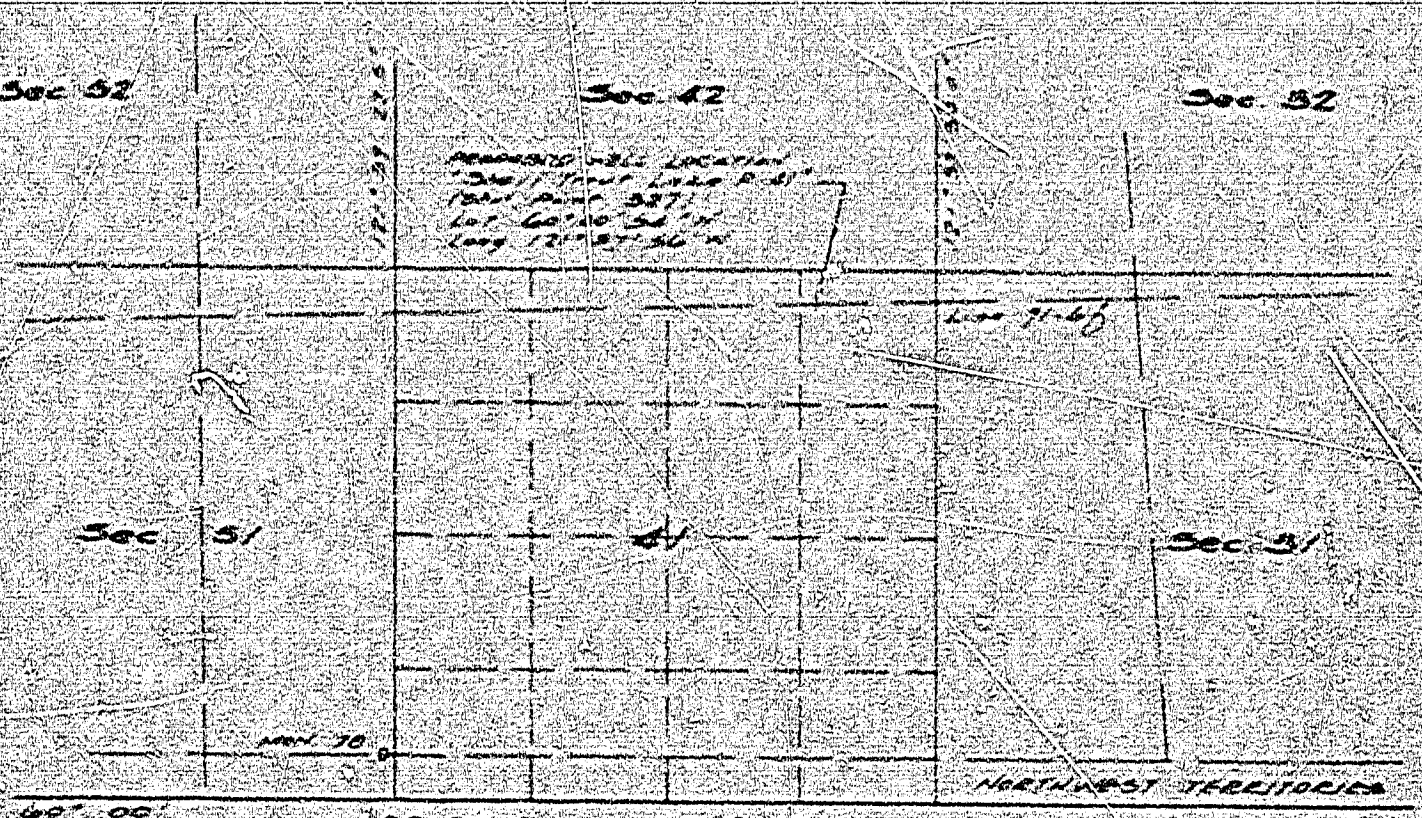
Dated 1st December 1967

[signature]
Oil Conservation Engineer

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

IAND 52-90-1 (3-67)

UNIQUE WELL IDENTIFIER: 300P416010221300



Shell Canada Limited

PLAN

SHOWING PROPOSED WELL LOCATION FOR

"Shell Trout Lake P-41"

In Unit P, Sec 41, Grid Area 61° 10' N., 121° 30' W.

Lat. 60° 00' 54" N. Long. 121° 37' 56" W.

NORTHWEST TERRITORIES

SCALE: 1" = 2,000'

NOVEMBER 28th, 1967.

GE:

DATUM

TOP OF MONUMENT 78 ON B.C. - N.W.T. BOUNDARY ELEV. 1670.12'

For Shell Canada Limited

L. O. OLSEN — O.L.S.

L. O. Olsen

S. G. Locke

HAMILTON & OLSEN SURVEYS LTD.
EDMONTON — ALBERTA
W.S. 3844 B.L.

WELL HISTORY REPORT

GEOLOGICAL & EVALUATION
MAY 24 1968
Ottawa, Canada
Dept. of Indian Affairs & Northern Development

WELL HISTORY REPORT

SHELL TROUT LAKE O-41

SHELL CANADA LTD.

MARCH 7, 1968.

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SECTION I - HISTORY OF WELL DATA

(a) Well Name and Number

Shell Trout Lake C-41

(b) Permittee

Shell Canada Limited

(c) Name of Operator

Shell Canada Limited,
P. O. Box 100,
Edmonton, Alberta.

(d) Location

Unit C, Section 41, Grid Area 60°10'N, 121°30'W
Latitude 60°00'54"N
Longitude 121°38'05"W

(e) Permit Number

P-2711

(f) Drilling Contractor

Nabors Drilling Company
Rig No. 10 - Rotary

(g) Drilling Authority

Drilling Authority No. 279
Issued December 1, 1967.

(h) Classification

Wildcat

(i) Elevations

Ground Elevation 1705.2 feet
K.B. Elevation 1720.8 feet

(j) Spudded

December 16, 1967.

(k) Completed Drilling

January 28, 1968

(l) Abandoned

February 1, 1968.

(m) Total Depth and Plugged Back Total Depth

T.D. 7308 (Driller)
P.B.T.D. - surface

(n) Well Status

Dry and Abandoned

(o) Rig Released

February 1, 1968.

(p) Hole Size

30" & 25
13 3/4" to 870 ft. below G.L.
8 3/4" to 7308 ft. (T.D.)

(q) Casing

27 inch conductor pipe set at 25 feet
9 5/8 inch 36# J55 Japanese RG2 set at 870 K.B., with 750 sacks Construction + 2% $CaCl_2$

(r) Universal Well Location Reference

Lat. 60.01500° N.
Long. 121.63472° W.

(s) Unique Well Identifier

3000416010121300

SECTION II GEOLOGICAL SUMMARY

(a) Formation Tops

	Depth
Nisku	1154(-467)
Carlson	5102(-1381)
Hay Lake	3820(-2099)
Taltheilei	4618(-3089)
Slave Point	5426 (-4705)
Watt Mountain	6782(-5061)
Sulphur Point	6785(-5064)
Presqu'ile	7062(-5341)
Lower Paleozoic	7104(-5383)
T.D.	7308(-5587)

(b) Cores

No Cores cut

(c) Sample Description

As attached report

SHELL TROUT LAKE C-41

T.D. 7308

K.B. 1720

LATITUDE: 60° 00' 54" N.

LONGITUDE: 121° 38' 05" W.

0' -870'		NO SAMPLES.
870' -880'	Shale	Shale, light black to dark grey.
880' -890'	Shale	Shale, light black to dark grey, soft.
890' -900'	Shale	Shale, light black to dark grey, soft.
900' -910'	Shale	Shale, light black to dark grey, soft.
910' -920'	Shale	Shale, light black to dark grey, soft.
920' -930'	Shale	Shale, light black to dark grey, soft.
930' -940'	Shale	Shale, light black to dark grey, soft.
940' -950'	Shale	Shale, light black to dark grey, soft.
950' -960'	Shale	Shale, light black to dark grey, soft.
960' -970'	Shale	Shale, light black to dark grey, soft.
970' -980'	Shale	Shale, light black to dark grey, soft.
980' -990'	Shale	Shale, light black to dark grey, soft.
990' -1000'	Shale	Shale, light black to dark grey, soft.
1000' -1010'	Shale	Shale, light black to dark grey, soft.

1010' -1020'	Shale	Shale, light black to dark grey, soft.
1020' -1030'	Shale	Shale, light black to dark grey, soft.
1030' -1040'	Shale	Shale, light black to dark grey, soft.
1040' -1050'	Shale	Shale, light black to dark grey, soft.
1050' -1060'	Shale	Shale, light black to dark grey, soft.
1060' -1070'	Shale	Shale, light black to dark grey, soft.
1070' -1080'	Shale	Shale, light black to dark grey, soft.
1080' -1090'	Shale	Shale, light black to dark grey, soft.
1090' -1100'	Shale	Shale, light black to dark grey, soft.
1100' -1110'	Shale	Shale, light black to dark grey, soft.
1110' -1120'	Shale	Shale, light black to dark grey, soft.
1120' -1130'	Shale	Shale, light black to dark grey, soft.
1130' -1140'	Shale	Shale, light black to dark grey, soft.
1140' -1150'	Shale	Shale, light black to dark grey, soft.
1150' -1160'	Shale	Shale, light black to dark grey, soft.
1160' -1170'	Shale	Shale, light black to dark grey, soft.
1170' -1180'	Shale	Shale, light black to dark grey, soft.

1180' -1190'	Shale	Shale, light black to dark grey, soft.
1190' -1200'	Shale	Shale, light black to dark grey, soft.
1200' -1210'	Shale	Shale, light black to dark grey, soft.
1210' -1220'	Shale	Shale, light black to dark grey, soft.
1220' -1230'	Shale	Shale, light black to dark grey, soft.
1230' -1240'	Shale	Shale, light black to dark grey, soft.
1240' -1250'	Limestone	Limestone, grey, with some shale.
1250' -1260'	Limestone	Limestone, grey, with some shale.
1260' -1270'	Limestone	Limestone, grey, with some shale.
1270' -1280'	Limestone	Limestone, grey, with some shale.
1280' -1290'	Limestone	Limestone, grey, with some shale.
1290' -1300'	Limestone	Limestone, grey, with some shale.
1300' -1310'	Limestone	Limestone, grey, with some shale.
1310' -1320'	Limestone	Limestone, grey, with some shale.
1320' -1330'	Limestone	Limestone, grey, with some shale.
1330' -1340'	Limestone	Limestone, grey, with some shale.
1340' -1350'	Limestone	Limestone, grey, slightly dolomitic.
1350' -1360'	Limestone - Shale	Limestone, grey, slightly dolomitic with dark grey to light black shale.

1360' -1370'	Shale	Shale, dark grey to light black with slightly dolomitic limestone.
1370' -1380'	Shale - Limestone	Shale, dark grey to light black with slightly dolomitic limestone.
1380' -1390'	Shale - Limestone	Shale, dark grey to light black, with slightly dolomitic limestone.
1390' -1400'	Shale - Limestone	Shale, dark grey to light black, with slightly dolomitic limestone.
1400' -1410'	Shale - Limestone	Shale, dark grey to light black, with slightly dolomitic limestone.
1410' -1420'	Shale	Shale, dark grey to light black with some slightly dolomitic limestone.
1420' -1430'	Shale	Shale, dark grey to light black, with some slightly dolomitic limestone.
1430' -1440'	Shale	Shale, dark grey to light black, with some slightly dolomitic limestone.
1440' -1450'	Shale	Shale, dark grey to light black, with some slightly dolomitic limestone.
1450' -1460'	Shale	Shale, light black to dark grey with some limestone.
1460' -1470'	Shale	Shale, light black to dark grey, with some limestone.
1470' -1480'	Shale	Shale, light black to dark grey, with some limestone.
1480' -1490'	Shale	Shale, light black to dark grey, with some limestone.
1490' -1500'	Shale	Shale, light black to dark grey, with some limestone.
1500' -1510'	Shale	Shale, light black to dark grey, with some limestone.

1520' -1520'	Shale	Shale, light black to dark grey.
1520' -1530'	Shale	Shale, light black to dark grey.
1530' -1540'	Shale	Shale, light black to dark grey.
1540' -1550'	Shale	Shale, light black to dark grey.
1550' -1560'	Shale	Shale, light black to dark grey.
1560' -1570'	Shale	Shale, light black to dark grey.
1570' -1580'	Shale	Shale, light black to dark grey. CAVINGS. hard to log.
1580' -1590'	Shale	Shale, light black to dark grey.
1590' -1600'	Shale	Shale, light black to dark grey, with some limestone.
1600' -1610'	Shale	Shale, light black to dark grey, with some limestone.
1610' -1620'	Shale	Shale, light black to dark grey, with some limestone.
1620' -1630'	Shale - Limestone	Shale, light black to dark grey, with grey limestone.
1630' -1640'	Shale - Limestone	Shale, light black to dark grey, with grey limestone.
1640' -1650'	Shale - Limestone	Shale, light black to dark grey, with grey limestone.
1650' -1660'	Shale	Shale, light black to dark grey, trace of limestone.
1660' -1670'	Shale	Shale, light black to dark grey, trace of limestone.
1670' -1680'	Shale	Shale, light black to dark grey, trace of limestone.

1680' -1690'	Shale	Shale, light black to dark grey, trace of limestone.
1690' -1700'	Shale	Shale, light black to dark grey, trace of limestone.
1700' -1710'	Shale	Shale, light black to dark grey, trace of limestone.
1710' -1720'	Shale	Shale, light black to dark grey, trace of limestone.
1720' -1730'	Shale	Shale, light black to dark grey, trace of limestone.
1730' -1740'	Shale	Shale, light black to dark grey, trace of limestone.
1740' -1750'	Shale	Shale, light black to dark grey, trace of limestone.
1750' -1760'	Shale	Shale, light black to dark grey, trace of limestone.
1760' -1770'	Shale	Shale, light black to dark grey, trace of limestone and sandstone.
1770' -1780'	Shale	Shale, light black to dark grey, trace of limestone and sandstone.
1780' -1790'	Shale	Shale, light black to dark grey, trace of limestone and sandstone.
1790' -1800'	Shale	Shale, light black to dark grey, trace of limestone.
1800' -1810'	Shale	Shale, light black to dark grey, trace of limestone.
1810' -1820'	Shale	Shale, light black to dark grey, trace of limestone.
1820' -1830'	Shale	Shale, light black to dark grey, trace of limestone, shale is mostly cavings.
1830' -1840'	Shale	Shale, light black to dark grey to brown, trace of limestone, shale is mostly cavings.

1840' -1850'	Limestone	Limestone, grey with some shale, light black to dark grey to brown.
1850' -1860'	Limestone - Shale	Limestone, grey with some shale, light brown to dark grey to brown. Evidence of fossils.
1860' -1870'	Limestone - Shale	Limestone, grey and shale, light black to dark grey to brown. Evidence of fossils.
1870' -1890'		VERY POOR SAMPLES. Too dirty to log.
1890' -1900'		VERY POOR SAMPLES. All material indicated to be cavings, hard to interprete.
1900' -1910'	Shale	Shale, light grey to light black.
1910' -1920'	Shale	Shale, light grey to light black.
1920' -1930'	Shale	Shale, light grey to light black.
1930' -1940'	Shale	Shale, light grey to light black.
1940' -1950'	Shale	Shale, light grey to light black.
1950' -1960'	Shale	Shale, light grey to light black.
1960' -1970'	Shale	Shale, light grey to light black.
1970' -1980'	Shale	Shale, light grey to light black.
1980' -1990'	Shale	Shale, light grey to light black.
1990' -2000'	Shale	Shale, light grey to light black.
2000' -2010'	Shale	Shale, light grey to light black, trace of fossiliferous limestone.

2010' -2020'	Shale	Shale, light grey to light black, trace of fossiliferous limestone.
2020' -2030'	Shale	Shale, light grey to light black.
2030' -2040'	Shale	Shale, light grey to light black.
2040' -2050'	Shale - Limestone	Shale, light grey to light black and fossiliferous limestone.
2050' -2060'	Shale - Limestone	Shale, light grey to light black, and fossiliferous limestone.
2060' -2070'	Shale - Limestone	Shale, light grey to light black, and fossiliferous limestone.
2070' -2080'	Shale	Shale, light grey to light black, trace of limestone.
2080' -2090'	Shale	Shale, light grey to light black, trace of limestone.
2090' -2100'	Shale	Shale, light grey to light black, trace of limestone.
2100' -2110'	Shale	Shale, light grey to light black, trace of limestone.
2110' -2120'	Shale	Shale, light grey to light black.
2120' -2210'		VERY POOR SAMPLES. All material indicated to be cavings, hard to interprete.
2210' -2220'	Shale	Shale, dark grey to light black to brown with some limestone.
2220' -2230'	Shale - Siltstone	Shale, dark grey to light black, with limey siltstone.
2230' -2240'	Shale	Shale, dark grey to light black with trace of limestone.
2240' -2250'	Shale	Shale, dark grey to light black, with trace of limestone.

2250' -2260'	Shale	Shale, dark grey to light black, with limey siltstone.
2260' -2270'	Shale	Shale, dark grey to light black, with limey siltstone.
2270' -2280'	Shale	Shale, dark grey to light black, with trace of limestone.
2280' -2290'	Shale	Shale, dark grey to light black, with trace of limestone.
2290' -2300'	Shale	Shale, dark grey to light black, with trace of limestone.
2300' -2310'	Shale	Shale, dark grey to light black, with trace of limestone.
2310' -2320'	Shale	Shale, dark grey to black.
2320' -2330'	Shale	Shale, dark grey to black.
2330' -2340'	Shale	Shale, dark grey to black.
2340' -2350'	Shale	Shale, dark grey to black.
2350' -2360'	Shale	Shale, dark grey to black.
2360' -2390'		VERY POOR SAMPLES. All material indicated to be cavings.
2390' -2400'	Shale	Shale, dark grey to black.
2400' -2410'	Shale	Shale, dark grey to black.
2410' -2420'	Shale	Shale, dark grey to black.
2420' -2430'	Shale	Shale, dark grey to black.
2430' -2440'	Shale	Shale, dark grey to black.
2450' -2460'	Shale	Shale, dark grey to black to brown.
2460' -2470'	Shale	Shale, dark grey to black to brown.
2470' -2480'	Shale	Shale, dark grey to black to brown.
2480' -2490'	Shale	Shale, dark grey to black to brown.

2490' -2500'	Shale	Shale, dark grey to black to brown.
2500' -2510'	Shale	Shale, dark grey to black to brown.
2510' -2520'	Shale	Shale, dark grey to black to brown.
2520' -2530'	Shale	Shale, dark grey to black to brown.
2530' -2540'	Shale	Shale, dark grey to black to brown.
2540' -2550'	Shale	Shale, dark grey to black to brown.
2550' -2560'	Shale	Shale, dark grey to black to brown.
2560' -2570'	Shale	Shale, dark grey to black to brown.
2570' -2580'	Shale	Shale, dark grey to black to brown.
2580' -2590'	Shale	Shale, dark grey to black to brown.
2590' -2630'		VERY POOR SAMPLES. All material indicated to be cavings.
2630' -2640'	Shale	Shale, dark grey to black to brown.
2640' -2650'	Shale	Shale, grey to black to brown.
2650' -2660'	Shale	Shale, grey to black to brown.
2660' -2670'	Shale	Shale, grey to black to brown.
2670' -2680'	Shale	Shale, grey to black to brown.
2680' -2690'	Shale	Shale, grey to black to brown.
2690' -2700'	Shale	Shale, grey to black to brown.
2700' -2710'	Shale	Shale, grey to black to brown.
2710' -2720'	Shale	Shale, grey to black to brown.

2720' -2730'	Shale	Shale, grey to black to brown.
2730' -2740'	Shale	Shale, grey to black to brown.
2740' -2750'	Shale	Shale, grey to black to brown, trace of pyrite.
2750' -2760'	Shale	Shale, grey.
2760' -2770'	Shale	Shale, grey.
2770' -2780'	Shale	Shale, grey.
2780' -2790'	Shale	Shale, grey.
2790' -2800'	Shale	Shale, grey.
2800' -2810'	Shale	Shale, grey.
2810' -2820'	Shale	Shale, grey.
2820' -2830'	Shale	Shale, grey.
2830' -2840'	Shale	Shale, grey.
2840' -2850'	Shale	Shale, grey, trace of limestone crystals.
2850' -2860'	Shale	Shale, grey.
2860' -2870'	Shale	Shale, grey.
2870' -2880'	Shale	Shale, grey.
2880' -2890'	Shale	Shale, grey.
2890' -2900'	Shale	Shale, grey.
2900' -2910'	Shale	Shale, grey.
2910' -2920'	Shale	Shale, grey.
2920' -2930'	Shale	Shale, grey.
2930' -2940'	Shale	Shale, grey.
2940' -2950'	Shale	Shale, grey.
2950' -2960'	Shale	Shale, grey.
2960' -2970'	Shale	Shale, grey.
2970' -2980'	Shale	Shale, grey.

2980' -2990'	Shale	Shale, black.
2990' -3000'	Shale	Shale, black.
3000' -3010'	Shale	Shale, black.
3010' -3020'	Shale	Shale, black.
3020' -3030'	Shale	Shale, black.
3030' -3040'	Shale	Shale, black.
3040' -3050'	Shale	Shale, black.
3050' -3060'	Shale	Shale, black.
3060' -3070'	Shale	Shale, black.
3070' -3080'	Shale	Shale, black.
3080' -3090'	Shale	Shale, black.
3090' -3100'	Shale	Shale, black.
3100' -3110'	Shale	Shale, black.
3110' -3120'	Shale	Shale, black.
3120' -3130'	Shale	Shale, black, trace of limestone.
3130' -3140'	Shale - Limestone	Shale, black with limestone.
3140' -3150'	Shale	Shale, black with some limestone.
3150' -3160'	Shale	Shale, black with some limestone.
3160' -3170'	Shale	Shale, black with trace of pyrite.
3170' -3180'	Shale	Shale, black with trace of pyrite.
3180' -3190'	Shale	Shale, black with trace of pyrite.
3190' -3200'	Shale - Limestone	Shale, dark grey to black with limestone.

3200' -3210'	Limestone - Shale	Limestone with some shale, dark grey to black.
3210' -3220'	Limestone	Limestone, white to green.
3220' -3230'	Limestone	Limestone, white to green.
3230' -3240'	Limestone	Limestone, white to green.
3240' -3250'	Limestone	Limestone, white to green.
3250' -3260'	Limestone	Limestone, white to green.
3260' -3270'	Limestone	Limestone, white to green.
3270' -3280'	Limestone	Limestone, white to green.
3280' -3290'	Limestone	Limestone, white to green.
3290' -3300'	Limestone	Limestone, white to green.
3300' -3310'	Limestone	Limestone, white to green.
3310' -3315'	Limestone	Limestone, white to green.
3315' -3320'	Limestone	Limestone, light green.
3320' -3330'	Limestone	Limestone, light green.
3330' -3340'	Limestone	Limestone, light green.
3340' -3350'	Limestone	Limestone, light green.
3350' -3360'	Limestone	Limestone, light green, trace of pyrite.
3360' -3370'	Limestone	Limestone, light green, trace of pyrite.
3370' -3380'	Limestone	Limestone, light green.
3380' -3390'	Shale - Limestone	Shale, grey to black and limestone.
3390' -3400'	Shale	Shale, grey to black with some limestone.
3400' -3410'	Shale	Shale, grey to black with some limestone.
3410' -3420'	Shale	Shale, grey to black with some limestone.

3420' -3430'	Shale	Shale, grey to black with some limestone.
3430' -3440'	Shale - Limestone	Shale, grey to black with limestone.
3440' -3450'	Shale - Limestone	Shale, grey to black with limestone.
3450' -3460'	Shale - Limestone	Shale, grey to black with limestone.
3460' -3470'		CAVINGS. Hard to interprete.
3470' -3480'	Shale	Shale, grey to black with trace of limestone.
3480' -3490'	Shale	Shale, dark grey.
3490' -3500'	Shale	Shale, dark grey.
3500' -3510'	Shale	Shale, dark grey.
3510' -3520'	Shale	Shale, dark grey.
3520' -3530'	Shale	Shale, dark grey.
3520' -3530'	Shale	Shale, dark grey.
3530' -3540'	Shale	Shale, dark grey.
3540' -3550'	Shale	Shale, dark grey.
3550' -3560'	Shale	Shale, dark grey.
3560' -3570'	Shale	Shale, dark grey.
3570' -3580'	Shale	Shale, dark grey.
3580' -3590'	Shale	Shale, dark grey.
3590' -3600'	Shale	Shale, dark grey.
3600' -3610'	Shale	Shale, dark grey.
3610' -3620'	Shale	Shale light to dark grey, slightly limey.
3620' -3630'	Shale	Shale, light to dark grey, slightly limey.
3630' -3640'	Shale	Shale, light to dark grey, slightly limey.

3640' -3650'	Shale	Shale, light to dark grey, slightly limey.
3650' -3660'	Shale	Shale, light to dark grey, slightly limey.
3660' -3670'	Shale	Shale, light to dark grey, slightly limey.
3670' -3680'	Shale	Shale, light to dark grey, slightly limey.
3680' -3690'	Shale	Shale, light to dark grey, slightly limey.
3690' -3700'	Shale	Shale, light to dark grey, slightly limey.
3700' -3710'	Shale	Shale, light to dark grey, slightly limey.
3710' -3720'	Shale	Shale, light to dark grey, slightly limey.
3720' -3730'	Shale	Shale, light to dark grey, slightly limey.
3730' -3740'	Shale	Shale, light to dark grey, slightly limey.
3740' -3750'	Shale	Shale, light to dark grey, slightly limey.
3750' -3760'	Shale	Shale, light to dark grey, slightly limey.
3760' -3770'	Shale	Shale, light to dark grey, slightly limey.
3770' -3780'	Shale	Shale, light to dark grey, slightly limey.
3780' -3790'	Shale	Shale, light to dark grey, slightly limey.
3790' -3800'	Shale	Shale, light to dark grey, slightly limey.
3800' -3810'	Shale	Shale, light to dark grey, slightly limey.

3810' -3820'	Shale	Shale, light to dark grey, slightly limey.
3820' -3830'	Shale	Shale, light to dark grey, slightly limey.
3830' -3840'	Shale - Limestone	Shale, light to dark grey, with limestone.
3840' -3850'	Limestone	Limestone, very soft.
3850' -3860'	Limestone	Limestone, very soft.
3860' -3870'	Limestone	Limestone, very soft.
3870' -3880'		VERY POOR SAMPLES. All material indicated to be cavings.
3880' -3890'	Limestone	Limestone, very soft.
3890' -3900'	Limestone	Limestone.
3900' -3910'	Limestone	Limestone.
3910' -3920'	Limestone	Limestone.
3920' -3930'	Limestone	Limestone.
3930' -3940'	Limestone	Limestone.
3940' -3950'	Limestone	Limestone.
3950' -3960'	Limestone	Limestone.
3960' -3970'	Limestone	Limestone.
3970' -3980'	Limestone	Limestone.
3980' -3990'	Limestone	Limestone.
3990' -4000'	Limestone	Limestone.
4010' -4020'	Limestone	Limestone.
4020' -4030'	Limestone	Limestone.
4030' -4040'	Limestone	Limestone, with some light black shale.
4040' -4050'	Limestone	Limestone.
4050' -4060'	Limestone	Limestone.
4060' -4070'	Limestone	Limestone.

4070' - 4080'	Limestone	Limestone.
4080' - 4090'	Limestone	Limestone.
4090' - 4100'	Limestone	Limestone.
4100' - 4110'	Limestone	Limestone, with some medium to dark grey shale.
4110' - 4120'	Limestone	Limestone, with some medium to dark grey shale.
4120' - 4130'	Limestone	Limestone, with some medium to dark grey.
4130' - 4140'	Shale - Limestone	Shale, medium to dark grey, and limestone.
4140' - 4150'	Shale - Limestone	Shale, medium to dark grey and limestone.
4150' - 4160'	Shale	Shale, medium to dark grey with some limestone.
4160' - 4170'	Shale	Shale, medium to dark grey.
4170' - 4180'	Shale	Shale, medium to dark grey.
4180' - 4190'	Shale	Shale, medium to dark grey.
4190' - 4200'	Shale	Shale, medium to dark grey.
4200' - 4210'	Shale	Shale, medium to dark grey.
4210' - 4220'	Shale	Shale, medium to dark grey.
4220' - 4230'	Shale	Shale, medium to dark grey.
4230' - 4240'	Shale	Shale, medium to dark grey.
4240' - 4250'	Shale	Shale, medium to dark grey.
4250' - 4260'	Shale	Shale, medium to dark grey.
4260' - 4270'	Shale	Shale, medium to dark grey.
4270' - 4280'	Shale	Shale, medium to dark grey.
4280' - 4290'	Shale	Shale, medium to dark grey.
4290' - 4300'	Shale	Shale, medium to dark grey.
4300' - 4310'	Shale	Shale, medium to dark grey.

4310' - 4320'	Shale	Shale, medium to dark grey.
4320' - 4330'	Shale	Shale, medium to dark grey.
4330' - 4340'	Shale	Shale, medium to dark grey.
4340' - 4350'	Shale	Shale, medium to dark grey.
4350' - 4360'	Shale	Shale, medium to dark grey.
4360' - 4370'	Shale	Shale, medium to dark grey.
4370' - 4380'	Shale	Shale, medium to dark grey.
4380' - 4390'	Shale	Shale, medium to dark grey.
4390' - 4400'	Shale	Shale, medium to dark grey.
4400' - 4410'	Shale	Shale, medium to dark grey.
4410' - 4420'	Shale	Shale, medium to dark grey.
4420' - 4430'	Shale	Shale, medium to dark grey.
4430' - 4440'	Shale	Shale, grey and brown.
4440' - 4450'	Shale	Shale, medium to dark grey.
4450' - 4460'	Shale	Shale, medium to dark grey.
4460' - 4470'	Shale	Shale, medium to dark grey.
4470' - 4480'	Shale	Shale, medium to dark grey.
4480' - 4490'	Shale	Shale, medium to dark grey.
4490' - 4500'	Shale	Shale, medium to dark grey.
4500' - 4510'	Shale	Shale, medium to dark grey.
4510' - 4520'	Shale	Shale, medium to dark grey.
4520' - 4530'	Shale	Shale, medium to dark grey.
4530' - 4540'	Shale	Shale, medium to dark grey.
4540' - 4550'	Shale	Shale, medium to dark grey.
4560' - 4570'	Shale	Shale, medium to dark grey.
4570' - 4580'	Shale	Shale, medium to dark grey.
4580' - 4590'	Shale	Shale, medium to dark grey.

4590' - 4600'	Shale	Shale, medium to dark grey.
4600' - 4610'	Shale	Shale, dark grey.
4610' - 4620'	Shale	Shale, dark grey.
4620' - 4630'	Shale	Shale, dark grey.
4630' - 4640'	Shale	Shale, grey to brown.
4640' - 4650'	Shale	Shale, dark grey to light black.
4650' - 4660'	Shale	Shale, dark grey to light black.
4660' - 4670'	Shale	Shale, dark grey to brown.
4670' - 4680'	Shale	Shale, dark grey to brown.
4680' - 4690'	Shale	Shale, dark grey to brown.
4690' - 4700'	Shale	Shale, dark grey to brown.
4700' - 4710'	Shale	Shale, dark grey to brown.
4710' - 4720'	Shale	Shale, dark grey to brown, with some limestone.
4720' - 4730'	Shale	Shale, dark grey to brown, with some limestone.
4730' - 4740'	Shale	Shale, dark grey.
4740' - 4750'	Shale	Shale, dark grey.
4750' - 4760'	Shale	Shale, dark grey.
4760' - 4770'	Shale	Shale, dark grey.
4770' - 4780'	Shale	Shale, dark grey.
4780' - 4790'	Shale	Shale, dark grey.
4790' - 4800'	Shale	Shale, dark grey.
4800' - 4810'	Shale	Shale, dark grey with some limestone.
4810' - 4820'	Shale	Shale, dark grey and some limestone.
4820' - 4830'	Limestone	Limestone, with some dark grey shale.

[illegible] - 4840'	Limestone	Limestone, fragmental, medium grey.
4840' - 4850'	Limestone	Limestone, fragmental, medium grey.
4850' - 4860'	Limestone	Limestone, medium grey, fragmental.
4860' - 4870'	Limestone	Limestone, medium grey, fragmental.
4870' - 4880'	Limestone	Limestone, medium grey, fragmental.
4880' - 4884'	Limestone	Limestone, medium grey, fragmental.
4884' - 4890'	Shale - Limestone	Shale, medium to dark grey and fragmental limestone, medium grey.
4890' - 4900'	Shale	Shale, medium to dark grey, with some limestone.
4900' - 4910'	Shale	Shale, medium to dark grey with a trace of calcite.
4910' - 4920'	Shale	Shale, dark grey.
4920' - 4930'	Shale	Shale, dark grey.
4930' - 4940'	Shale	Shale, dark grey.
4940' - 4950'	Shale	Shale, dark grey.
4950' - 4960'	Shale	Shale, dark grey.
4960' - 4970'	Shale	Shale, grey, trace of dolomite.
4970' - 4980'	Shale	Shale, grey to green, calcareous.
4980' - 4990'	Shale	Shale, grey to green, calcareous.
4990' - 5000'	Shale	Shale grey to green, calcareous.
5000' - 5010'	Shale	Shale, grey to green, calcareous.
5010' - 5020'	Shale	Shale, grey to green, calcareous.
5020' - 5030'	Shale	Shale, grey to green, calcareous.

5030' -5040'	Shale	Shale, grey to green, calcareous, trace of pyrite.
5040' -5050'	Shale	Shale, grey to green to brown, calcareous, silty.
5050' -5060'	Shale	Shale, grey to green to brown, calcareous, silty.
5060' -5070'	Shale	Shale, grey to green to brown, calcareous, silty.
5070' -5080'	Shale	Shale, grey to green to brown, calcareous, silty.
5080' -5090'	Shale	Shale, grey to green to brown, calcareous, silty.
5090' -5100'	Shale	Shale, grey to green to brown, calcareous, silty.
5100' -5110'	Shale	Shale, grey to green to brown, calcareous, silty.
5110' -5120'	Shale	Shale, grey to green to brown, calcareous, silty.
5120' -5130'	Shale	Shale, grey to green to brown, calcareous, silty.
5130' -5140'	Shale	Shale, grey to green to brown, calcareous, silty.
5140' -5150'	Shale	Shale, grey to green to brown, calcareous, silty.
5150' -5160'	Shale	Shale, grey to green to brown, calcareous, silty.
5160' -5170'	Shale	Shale, grey to green to brown, calcareous, silty.
5170' -5180'	Shale	Shale, grey to green to brown, calcareous, silty.
5180' -5190'	Shale	Shale, grey to green to brown, calcareous, silty.
5190' -5200'	Shale	Shale, grey to green to brown, trace of limestone, silty.
5200' -5210'	Shale	Shale, grey to green to brown, calcareous, silty.

5210' -5220'		VERY POOR SAMPLES. All material indicated to be caving.
5220' -5240'		VERY POOR SAMPLES. All material indicated to be caving.
5240' -5250'		VERY POOR SAMPLES. All material indicated to be bad cavings.
5250' -5260'	Shale	Shale, grey to green to brown, with trace of sandstone.
5260' -5270'	Shale	Shale, grey to green to brown, with trace of sandstone.
5270' -5280'	Shale	Shale, grey to green to brown, with traces of sandstone.
5280' -5290'	Shale	Shale, grey to green to brown, with traces of sandstone.
5290' -5300'	Shale	Shale, grey to green to brown, with trace of sandstone.
5300' -5310'	Shale	Shale, grey to green to brown, with traces of sandstone.
5310' -5320'	Shale	Shale, grey to green to brown, with traces of sandstone.
5320' -5330'	Shale	Shale, grey to green to brown, with traces of sandstone.
5330' -5340'	Shale	Shale, grey to green to brown, with traces of sandstone.
5340' -5350'	Shale	Shale, grey to green to brown.
5350' -5360'	Shale	Shale, grey to green to brown.
5360' -5370'	Shale	Shale, grey to green to brown.
5370' -5380'	Shale	Shale, grey to green to brown.
5380' -5390'	Shale	Shale, grey to green to brown.
5390' -5400'	Shale	Shale, grey to green to brown.
5400' -5410'	Shale	Shale, grey to green to brown.
5410' -5420'	Shale	Shale, grey to green to brown.

5420' -5430'	Shale	Shale, grey to green to brown.
5430' -5440'	Shale	Shale, grey to green to brown.
5440' -5450'	Shale	Shale, grey to green to brown.
5450' -5460'	Shale	Shale, grey to green to brown.
5460' -5470'	Shale	Shale, grey to green to brown.
5470' -5480'	Shale	Shale, grey to green to brown.
5480' -5490'	Shale	Shale, grey to green to brown.
5490' -5500'	Shale	Shale, grey to green to brown.
5500' -5510'	Shale	Shale, grey to green to brown.
5510' -5520'	Shale	Shale, grey to green to brown.
5520' -5530'	Shale	Shale, green to grey, calcareous, silty.
5530' -5540'	Shale	Shale, green to grey, calcareous, silty.
5540' -5550'	Shale	Shale, green to grey, calcareous, silty.
5550' -5560'	Shale	Shale, green to grey, calcareous, silty.
5560' -5570'	Shale	Shale, green to grey, calcareous, silty.
5570' -5580'	Shale	Shale, green to grey, calcareous, silty.
5580' -5590'	Shale	Shale, green to grey, calcareous, silty.
5590' -5600'	Shale	Shale, green to grey, calcareous, silty.
5600' -5610'	Shale	Shale, green to grey, calcareous, silty.
5610' -5620'	Shale	Shale, green to grey, calcareous, silty.
5620' -5630'	Shale	Shale, green to grey, calcareous, silty.

5630' -5640'	Shale	Shale, green to grey, calcareous, silty.
5640' -5650'	Shale	Shale, green to grey, calcareous, silty.
5650' -5660'	Shale	Shale, green to grey, calcareous, silty.
5660' -5670'	Shale	Shale, green to grey, calcareous, silty.
5670' -5680'	Shale	Shale, green to grey, calcareous, silty.
5680' -5690'	Shale	Shale, green to grey, calcareous, silty.
5690' -5700'	Shale	Shale, green to grey, calcareous, silty.
5700' -5710'	Shale	Shale, green to grey, calcareous, silty.
5710' -5720'	Shale	Shale, green to grey, calcareous, silty.
5720' -5730'	Shale	Shale, green to grey, calcareous, silty.
5730' -5740'	Shale	Shale, green to grey, calcareous, silty.
5740' -5750'	Shale	Shale, green to grey, calcareous, silty.
5750' -5760'	Shale	Shale, green to grey, calcareous, silty.
5760' -5770'	Shale	Shale, green to grey, calcareous, silty.
5770' -5780'	Shale	Shale, green to grey, calcareous, silty.
5780' -5790'	Shale	Shale, green to grey, calcareous, silty.
5790' -5800'	Shale	Shale, green to grey, calcareous, silty.
5800' -5810'	Shale	Shale, green to grey, calcareous, silty.

5810' -5820'	Shale	Shale, green to grey, calcareous, silty.
5820' -5830'	Shale	Shale, green to grey, calcareous, silty.
5830' -5840'	Shale	Shale, green to grey, calcareous, silty.
5840' -5850'	Shale	Shale, green to grey, calcareous, silty.
5850' -5860'	Shale	Shale, green to grey, calcareous, silty.
5860' -5870'	Shale	Shale, green to grey, calcareous, silty.
5870' -5880'	Shale	Shale, green to grey, calcareous, silty.
5880' -5890'	Shale	Shale, green to grey, calcareous, silty.
5880' -5900'	Shale	Shale, green to grey, calcareous, silty.
5900' -5910'	Shale	Shale, green to grey, calcareous, silty.
5910' -5920'	Shale	Shale, green to grey, calcareous, silty.
5920' -5930'	Shale	Shale, green to grey, calcareous, silty.
5930' -5940'	Shale	Shale, green to grey, calcareous, silty.
5940' -5950'	Shale	Shale, green to grey, calcareous, silty.
5950' -5960'	Shale	Shale, green to grey, calcareous, silty.
5960' -5970'	Shale	Shale, green to grey, calcareous, silty.
5970' -5980'	Shale	Shale, green to grey, calcareous, silty.
5980' -5990'	Shale	Shale, green to grey, calcareous, silty.

5990' -6000'	Shale	Shale, green to grey, calcareous, silty.
6000' -6010'	Shale	Shale, green to grey, calcareous, silty.
6010' -6020'	Shale	Shale, green to grey, calcareous, silty.
6020' -6030'	Shale	Shale, green to grey, calcareous, silty.
6030' -6040'	Shale	Shale, green to grey, calcareous, silty.
6040' -6050'	Shale	Shale, green to grey, calcareous, silty.
6050' -6060'	Shale	Shale, green to grey, calcareous, silty.
6060' -6070'	Shale	Shale, green to grey, calcareous, silty.
6070' -6080'	Shale	Shale, green to grey, calcareous, silty.
6080' -6090'	Shale	Shale, green to grey, calcareous, silty.
6090' -6100'	Shale	Shale, green to grey, calcareous, silty.
6100' -6110'	Shale	Shale, green to grey, calcareous, silty.
6110' -6130'	Shale	Shale, green to grey, calcareous, silty.
6120' -6130'	Shale	Shale, green to grey, calcareous, silty.
6130' -6140'	Shale	Shale, green to grey, calcareous, silty.
6140' -6150'	Shale	Shale, green to grey, calcareous, silty.
6150' -6160'	Shale	Shale, green to grey, calcareous, silty.

6160' -6170'	Shale	Shale, green to grey, calcareous, silty.
6170' -6180'	Shale	Shale, green to grey, calcareous, silty.
6180' -6190'	Shale	Shale, green to grey, calcareous, silty.
6190' -6200'	Shale	Shale, green to grey, calcareous, silty.
6200' -6210'	Shale	Shale, green to grey, calcareous, silty.
6210' -6220'	Shale	Shale, green to grey, calcareous, silty.
6220' -6230'	Shale	Shale, green to grey, calcareous, silty.
6230' -6240'	Shale	Shale, green to grey, calcareous, silty.
6240' -6250'	Shale	Shale, green to grey, calcareous, silty.
6250' -6260'	Shale	Shale, green to grey, calcareous, silty.
6260' -6270'	Shale	Shale, green to grey, calcareous, silty.
6270' -6280'	Shale	Shale, green to grey, calcareous, silty.
6280' -6290'	Shale	Shale, green to grey, calcareous, silty.
6290' -6300'	Shale	Shale, green to grey, calcareous, silty.
6300' -6310'	Shale	Shale, green to grey, calcareous, silty.
6310' -6320'	Shale	Shale, green to grey, calcareous, silty.
6320' -6330'	Shale	Shale, green to grey, calcareous, silty.
6330' -6340'	Shale	Shale, green to grey, calcareous, silty.

6340' -6350'	Shale	Shale, green to grey, calcareous, silty.
6350' -6360'	Shale	Shale, green to grey, calcareous, silty.
6360' -6370'	Shale	Shale, green to grey, calcareous, silty.
6370' -6380'	Shale	Shale, green to grey, calcareous, silty, samples dirty.
6380' -6390'	Shale	Shale, green to grey, calcareous, silty. Some large cavings.
6390' -6400'	Shale	Shale, green to grey, calcareous, silty. Some large cavings.
6400' -6410'	Shale	Shale, green to grey, calcareous, silty. Some large cavings.
6410' -6420'	Shale	Shale, medium to dark grey, micromicaceous, soft.
6420' -6430'	Shale	Shale, medium to dark grey, micromicaceous, soft.
6430' -6440'	Shale	Shale, medium to dark grey, micromicaceous, soft.
6440' -6450'	Shale	Shale, medium to dark grey, micromicaceous, soft.
6450' -6460'	Limestone	Limestone, brown to grey, fragmental, trace of spar.
6460' -6470'	Limestone	Limestone, brown to grey, fragmental, trace of spar.
6470' -6480'	Limestone	Limestone, medium to dark grey, pelletal.
6480' -6490'	Limestone	Limestone, medium to dark grey, pelletal, trace of spar.
6490' -6500'	Limestone	Limestone, medium to dark grey.
6500' -6510'	Limestone	Limestone, medium to dark grey, fragmental.

6510' -6520'	Limestone	Limestone, medium to dark grey, pelletal.
6520' -6530'	Limestone	Limestone, dark grey, fragmental.
6530' -6540'	Limestone	Limestone, dark grey, fragmental with trace of dolomite.
6540' -6550'	Limestone	Limestone, dark grey.
6550' -6560'	Limestone	Limestone, medium grey.
6560' -6570'	Limestone	Limestone, medium grey, pelletal with trace of spar. burrowed.
6570' -6580'	Limestone	Limestone, medium grey, fragmental and fossiliferous.
6580' -6590'	Limestone	Limestone, medium grey, pelletal.
6590' -6600'	Limestone	Limestone, medium grey.
6600' -6610'	Limestone	Limestone, medium grey.
6610' -6620'	Limestone	Limestone, medium grey, fragmental and fossiliferous.
6620' -6630'	Limestone	Limestone, medium grey, fragmental and fossiliferous.
6630' -6640'	Limestone	Limestone, medium grey, pelletal with trace of spar.
6640' -6650'	Limestone	Limestone, medium grey, pelletal, with trace of spar.
6650' -6660'	Limestone	Limestone, medium to dark grey, pelletal with trace of spar.
6660' -6670'	Limestone	Limestone, medium to dark grey, pelletal, with trace of spar.
6670' -6680'	Limestone	Limestone, medium grey.
6680' -6690'	Limestone	Limestone, medium grey.
6690' -6700'	Limestone	Limestone, medium grey.
6700' -6710'	Limestone	Limestone, medium grey.
6710' -6720'	Limestone	Limestone, medium grey.

6720' -6730'	Limestone	Limestone, medium to dark grey.
6730' -6740'		VERY POOR SAMPLES. All material indicated to be caving.
6740' -6750'	Limestone	Limestone, medium to dark grey, fragmental, with trace of spar.
6750' -6760'	Limestone	Limestone, medium grey to slightly olive, pelletal, with trace of spar.
6760' -6770'	Limestone	Limestone, medium grey to olive, trace of pyrite.
6770' -6780'	Limestone	Limestone, medium olive to grey, trace of pyrite.
6780' -6790'	Limestone	Limestone, medium olive to grey, trace of pyrite.
6790' -6800'	Limestone	Limestone, medium olive to grey, trace of pyrite and spar.
6800' -6810'	Limestone	Limestone, medium olive to grey, trace of pyrite, and spar.
6810' -6820'	Dolomite	Dolomite spar.
6820' -6830'	Dolomite	Dolomite spar.
6830' -6840'	Dolomite	Dolomite, with dolomite spar and trace of limestone.
6840' -6850'	Dolomite	Dolomite spar.
6850' -6860'	Dolomite	Dolomite spar, white to medium grey.
6860' -6870'	Dolomite	Dolomite spar, white to medium grey.
6870' -6880'	Dolomite	Dolomite spar, white to medium grey.
6880' -6890'	Limestone - Dolomite - Spar	Limestone, medium grey to white, with dolomite, and some dolomite spar.
6890' -6900'	Limestone - Dolomite - Spar	Limestone, medium grey to white, with dolomite, and some dolomite spar.

6900' -6910'	Limestone - Dolomite - Spar	Limestone, medium grey to white, with dolomite, and some dolomite spar.
6910' -6920'		POOR SAMPLES. All material indicated to be cavings.
6920' -6930'		POOR SAMPLES. All material indicated to be cavings.
6930' -6940'	Limestone - Dolomite - Spar	Limestone, medium grey to white, with dolomite, and some dolomite spar.
6940' -6950'	Limestone - Dolomite - Spar	Limestone, medium grey to white, with dolomite, and some dolomite spar.
6950' -6960'	Dolomite	Dolomite.
6960' -6970'		POOR SAMPLES. All material indicated to be caving.
6970' -6980'	Limestone	Limestone, medium to dark grey, with some dolomite.
6980' -6990'	Limestone	Limestone, medium grey to dark grey, with some dolomite.
6990' -7000'	Limestone	Limestone, medium to dark grey, pelletal.
7000' -7010'	Limestone	Limestone, medium to dark grey.
7010' -7020'	Limestone	Limestone, medium to dark grey, fragmental with some spar.
7020' -7030'	Limestone	Limestone, medium grey to dark grey, with some dolomite and some limestone spar.
7030' -7040'	Limestone	Limestone, medium grey to dark grey, with some spar.
7040' -7050'	Limestone	Limestone, medium grey to dark grey, with some spar.
7050' -7060'	Limestone	Limestone, medium grey to dark grey, with some spar.
7060' -7070'	Limestone	Limestone, medium grey to dark grey, with some spar and trace of dolomite.

7070' -7080'	Dolomite	Dolomite, medium to dark grey.
7080' -7090'	Dolomite	Dolomite, medium to dark grey.
7090' -7100'	Dolomite	Dolomite, medium to dark grey.
7100' -7110'	Dolomite	Dolomite, medium to dark grey.
7110' -7120'	Dolomite	Dolomite, medium to dark grey with a trace of sandstone.
7120' -7130'	Sandstone	Sandstone, white, with minor amounts of siliceous cement.
7130' -7140'	Sandstone	Sandstone, white, with minor amounts of siliceous cement.
7140' -7150'	Sandstone	Sandstone, white, with minor amounts of siliceous cement.
7150' -7160'	Sandstone	Sandstone, white, with minor amounts of siliceous cement.
7160' -7170'	Sandstone	Sandstone, white, with minor amounts of siliceous cement.
7170' -7180'	Sandstone	Sandstone, white, with minor amounts of siliceous cement.
7180' -7190'	Sandstone	Sandstone, white, with minor amounts of siliceous cement.
7190' -7200'	Sandstone	Sandstone, white, with minor calcite content and trace of pyrite.
7200' -7210'	Sandstone	Sandstone, white, with minor calcite content and traces of pyrite.
7210' -7220'	Sandstone	Sandstone, white traces of calcite content and siliceous cement.
7220' -7230'	Sandstone	Sandstone, white, traces of calcite content and siliceous cement.

7230' -7240'	Sandstone	Sandstone, white, with traces of argillaceous material.
7240' -7250'	Sandstone	Sandstone, white, angular, traces of pyrite.
7250' -7260'	Sandstone	Sandstone, white, angular, traces of pyrite.
7260' -7270'	Sandstone	Sandstone, white, pyrite, angular.
7270' -7280'	Sandstone	Sandstone, white, angular, traces of pyrite.
7280' -7290'	Sandstone	Sandstone, white, angular, traces of pyrite.
7290' -7300'	Sandstone	Sandstone, white, angular, traces of pyrite.
7300' -7308'	Sandstone	Sandstone, white, angular, traces of pyrite.

SECTION III - DRILLING SUMMARY

(a) Drillstem Tests

Test No.	Interval	T.O.	IFP	FFP	ISIP/time	FSIP/time
1	6810-60	30	1585	2241	2784(20min)	2726(60min)

G.T.S. @ 900 MCF/D decreasing to TSTM in 18 min. HP - 3316
Recovery - 4760 feet of highly gas cut salt water FHP - 3161

Test No.	Interval	T.O.	IFP	FFP	ISIP/time	FSIP/time
2	7010-60	45	195	204	2566(30min)	2575(60min)

IHP - 3494 FHP - 3372
Recovery - 300 ft water with caribon and 60 ft. drilling mud.

Drillstem Test Reports 1 and 2 forwarded February 22, 1968.

(b) Casing Record

Size	Weight	Grade	Amount	Depth	Cement
27"	Conductor Pipe	-	-	25'	5 sacks
9 5/8	36#	J-55	21 Joints	870(K.B.)	750 sxs+15sxs $CaCl_2$

(c) Bit Record

No.	Size	Type	Depth Out	Feet Cut	Hours
1A	13 3/4	OSC-3	376	356(20'cond)	3 3/4
2A	13 3/4	OSC-3	829	453	15 1/2
1A(R.R.)	13 3/4	OSC-3	870	41	2 1/4
1	8 3/4	OSC3J	1581	711	16 3/4
2	8 3/4	OSC3J	1895	314	11 3/4
3	8 3/4	OSC1GJ	2785	890	20 3/4
4	8 3/4	X1GJ	3466	681	32
5	8 3/4	X1GJ	4020	554	28 3/4
6	8 3/4	ODVJ	4450	430	30
7	8 3/4	X1GJ	4985	535	30 1/4
8	8 3/4	X3-J	5640	655	27 1/4
9	8 3/4	X3-J	6356	716	25 1/4
10	8 3/4	X3-J	clean out	0	0
11	8 3/4	X3AJ	6527	171	10 3/4
12	8 3/4	ODVJ	6734	207	19 3/4
13	8 3/4	XJ	6987	253	25 1/4
14	8 3/4	WD7	7119	132	13 1/4
15	8 3/4	WD7	7131	12	3 1/2
16	8 3/4	X55AJ	7191	60	16 1/4
17	8 3/4	WRJ	7216	25	8 1/4
18	8 3/4	RG7RJ	7253	37	17 3/4
19	8 3/4	WRRJ	7266	13	6 3/4
20	8 3/4	X55RJ	7315(7308)	49	15 1/4

Note: Measured Depth 7308 feet.

(d) Mud Record

Gel-chem	634 sacks
Super-cal	217 sacks
Caustic	31 sacks
C.M.C.	31 sacks
Plexcel	4 sacks
Drispac	44 sacks
Petrocto-magic	151 sacks

(e) Deviation Record (Degree Decimal)

60'	3/4°	3780'	1°
90'	1/4°	4220'	3/4°
150'	1/2°	4700'	7/8°
210'	3/4°	5200'	1/2°
240'	3/4°	5610'	1/4°
270'	3/4°	6100'	1/2°
330'	1 1/4°	6600'	1°
630'	1 2/4°	3970'	1 1/8°
660'	1 1/4°	4255'	1 1/4°
930'	1/2°	4480'	1 1/4°
1170'	1/2°	4606'	1 1/2°
1410'	1/8°	4942'	1 1/2°
1560'	1/2°	5192'	1 1/2°
1810'	3/4°	5550'	1 1/4°
1990'	1/2°	5750'	1 1/4°
2190'	3/4°	6008'	1 3/4°
2418'	1/4°	6350'	1 1/16°
2538'	1/4°	6550'	1 7/8°
3000'	3/4°	6734'	1 3/4°
3210'	1 1/4°	6867'	2 1/8°
3450'	1°	7217	2 1/2°
3722'	1°		

(f) Abandonment Plugs

Date	Interval	Cement & Additives	Remarks
January 31/68	7300-6700	300 sacks	
January 31/68	920-820	90 sacks & 3% $CaCl_2$	Plug tagged at 791 ft.
February 1/68	surface	5 sacks	Cut of casing and weld plate. Erect post with sign.

Rathole 5 sacks
Mouschole 5 sacks

(g) Lost Circulation Zones

3466 - Driller pumped 25 bbl [illegible] mud into formation. Sawdust added and circulated.

(h) Blowouts

None

Date	Interval	Type
January 20, 1968	7496-[illegible]	[illegible] Sonic Gamma Ray - Caliper
January 23, 1968	7351-[illegible]	Dual Induction Laterolog
January 26, 1968	7305-[illegible]	[illegible] Formation Density Log - G.R.
January 29, 1968	7075-6200	Microlog Caliper

Velocity Survey for Reef Study

Three copies of each log forwarded February 22, 1968.

SECTION V ANALYSIS

(a) Core Analysis

None

(b) Water Analysis

E66-5895 and E66-6017 forwarded February 22, 1968.

(c) Gas Analysis

E66-5921 forwarded February 22, 1968.

(d) Oil Analysis

None

SECTION "A" (continued)

(a) Tests Ordered

None

(b) Perforation Record

None

(c) Cementation Record

Plug No.	Date	Interval	Perforation	Cement
1	January 31/68	7800-6700	Perforated	200 sacks
2	January 31/68	920-820		90 sacks + 1% $CaCl_2$
3	February 1/68	surface csg.		5 sacks

Remarks: Plug #2 tagged at 791 feet
Plug #3 - cut off csg., welded on plate and erected post and sign.

(d) Acidization and Fracturing Record

None

(e) Back Pressure and Production Tests

None

for A. M. McLachlin, Manager,
Edmonton Division Production

CHEMICAL & GEOLOGICAL LABORATORIES LTD. WATER ANALYSIS Lab No. [illegible]

Received: Jan. 30, 1968 Reported: Feb. 2, 1968 Well Location: Shell Trout Lake O-41

Operator: Shell Canada Limited Field or Area:

Elev.: K.B. 1721' Grd. 1705' Zone/Formation: Sulfur Point Sample Interval: 6810' 6880'

Method of Production: D.S.T. #1 Sampled from: Drill pipe Sampled by: Date: Jan. 23, 1968

OTHER PERTINENT DATA

Recovered: 426/3' H_2S cut salt water.

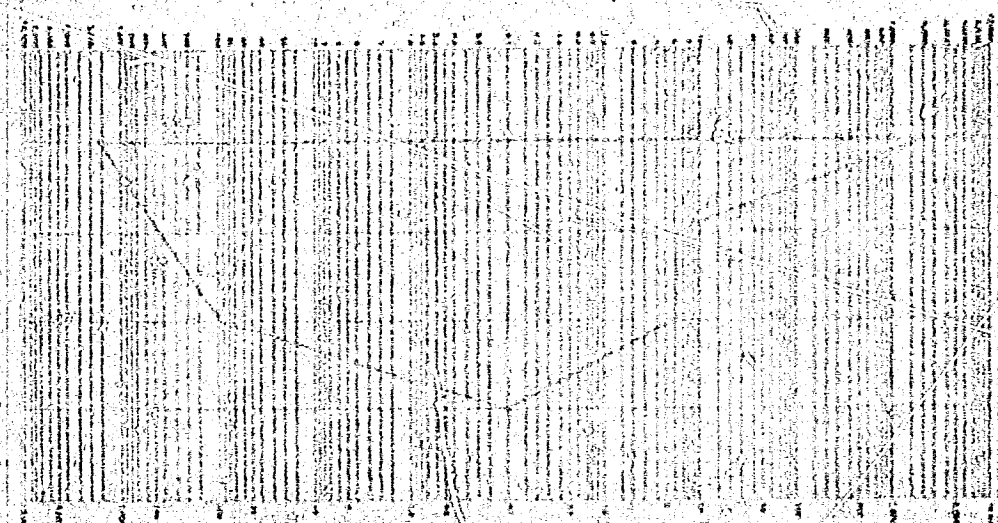
(Signed)

	Na	K	Ca	Mg					SO_4	Cl			CO_3	HCO_3		
Mg/L	35125		8061	1171					291	73000				110		
Meq/L	1527.96		367.19	96.26					6.06	2058.60				0.72		
Meq. %	36.80		10.79	2.32					0.15	49.69				0.56		

Total Solids Mg/L: By Evaporation 131,320 Fe Mg/L Specific Gravity 1.084 @60°F Observed pH 6.0 @ 71 °F

Calculated 118,950 After Ignition 112,360 H_2S Trace Refractive Index 1.3597 @25°C Resistivity 0.0[illegible] ohm meters @ 71 °F

Pattern Unit Meq/L



Remarks and Conclusions

Sample consisted of a light green salt water containing a layer of sediment.

Oil present was detected in evaporated total solids.

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

Edmonton — Fort St. John — Calgary

GAS ANALYTICAL REPORT Lab. No. [illegible] Received: Jan. 31, 1968 Reported: Feb. 3, 1968

Well: Shell Trout Lake O-41 Operator: Shell Canada Limited

Field or Area: Location: Elev. K.B. Grd.

Zone and Formation: Slave Point Sample Interval: 6810' - 6880'

Well production at sampling time: Oil bpd; Gas MCFD; Water bpd.

Sampled from: Sampled by: Date:

Pressures: (a) at point of sampling psig (b) Gas bomb pressure 35 psi

Temperature: (a) at point of sampling °F (b) Separator °F

Pressures: Reservoir Tubing Casing Separator

OTHER PERTINENT DATA: D.S.T. #1. GIP, SAB, GTS in 5 minutes at 500 MCF/D; decreased to TSTM in 10 minutes SWTS in 25 minutes. Preflow 15 minutes, ISI 30 minutes, Flow 30 minutes, FSI 60 minutes.

(Signed)

COMPOSITION	% by Volume	G.P.M. in Imp. Gal. @ 60°F. & 14.65 PSIA
Helium	.16	
Hydrogen sulfide	.00	
Carbon dioxide	2.30	
Oxygen	.00	
Nitrogen	3.41	
Methane	25.94	
Ethane	.18	
Propane	.01	.002
Isobutane	.00	.000
N-Butane	.00	.000
Isopentane	.00	.000
N-pentane	.00	.000
Hexanes +	.00	.000
Heptanes +	.00	.000
TOTAL	100.00	.002

G.P.M. (Calculated)

pentanes +	.000
at 12 lbs.	.000
at 15 lbs.	.000
at 22 lbs.	.000
at 25 lbs.	.000

VAPOR PRESSURE (Calc.) of pentanes + .00

H_2S Grains per 100 cu. ft. @ 60°F. & 14.65 p.s.i.a. 0

GROSS B.T.U. (Calc.) @ 60°F. & 14.65 p.s.i.a. 879.0

DEW POINT (Calc.) p.s.i. 950 1050 1200

°F AH -60 -58 -55

SPECIFIC GRAVITY

Calculated .658

by Weight .662

CRITICALS (Calculated)

Pc 703.3

Tc 358.1

REMARKS: Sample was received in a stainless steel container under a pressure of 45 psig. at 74°F.

CHEMICAL & GEOLOGICAL LABORATORIES LTD. WATER ANALYSIS Lab No. [illegible]-6017

Received: Feb. 12, 1968 Reported: Feb. 21, 1968 Well Location: Trout Lake C-41 Lat. 60° 09' 54" N, Long. 121° 58' 05" W.

Operator: Shell Canada Limited Field or Area:

Elev: K.B. 1720.8' Gld. 1705.2' Zone/Formation: Presqu'ile Sample Interval: 7010' - 7020'

Method of Production: D.S.T. #2 Sampled from: 6699.50' (10.5' above top packer) Sampled by: R.H. France Date: Jan. 30, 1968

OTHER PERTINENT DATA

Recovered: 300' water cushion; 60' drilling mud.

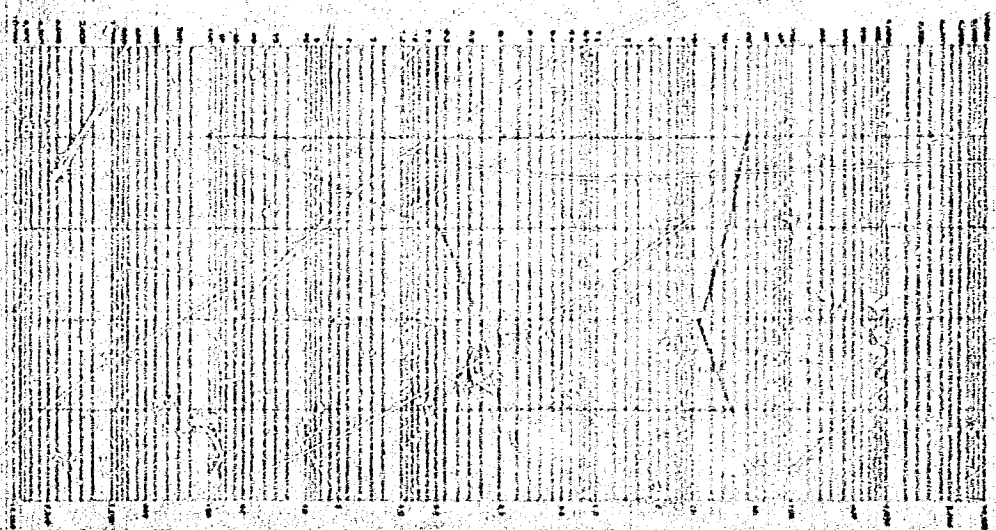
(Signed)

	Na	K	Ca	Mg					SO_4	Cl			CO_3	HCO_3		
Mg/L	2366		10	2					617	1460			828	1375		
Meq./L	102.90		0.50	0.16					12.83	40.61			27.57	22.54		
Meq. %	69.68		0.24	0.08					6.19	19.61			13.31	10.89		

Total Solids Mg/L: By Evaporation 14,200 Fe Trace Specific Gravity 1.007 @60°F Observed pH 9.9 @ 78 °F

Calculated 16,638 After Ignition 4,920 H_2S Nil Refractive Index 1.3390 @25°C Resistivity 1.5 ohm meters @ 68 °F

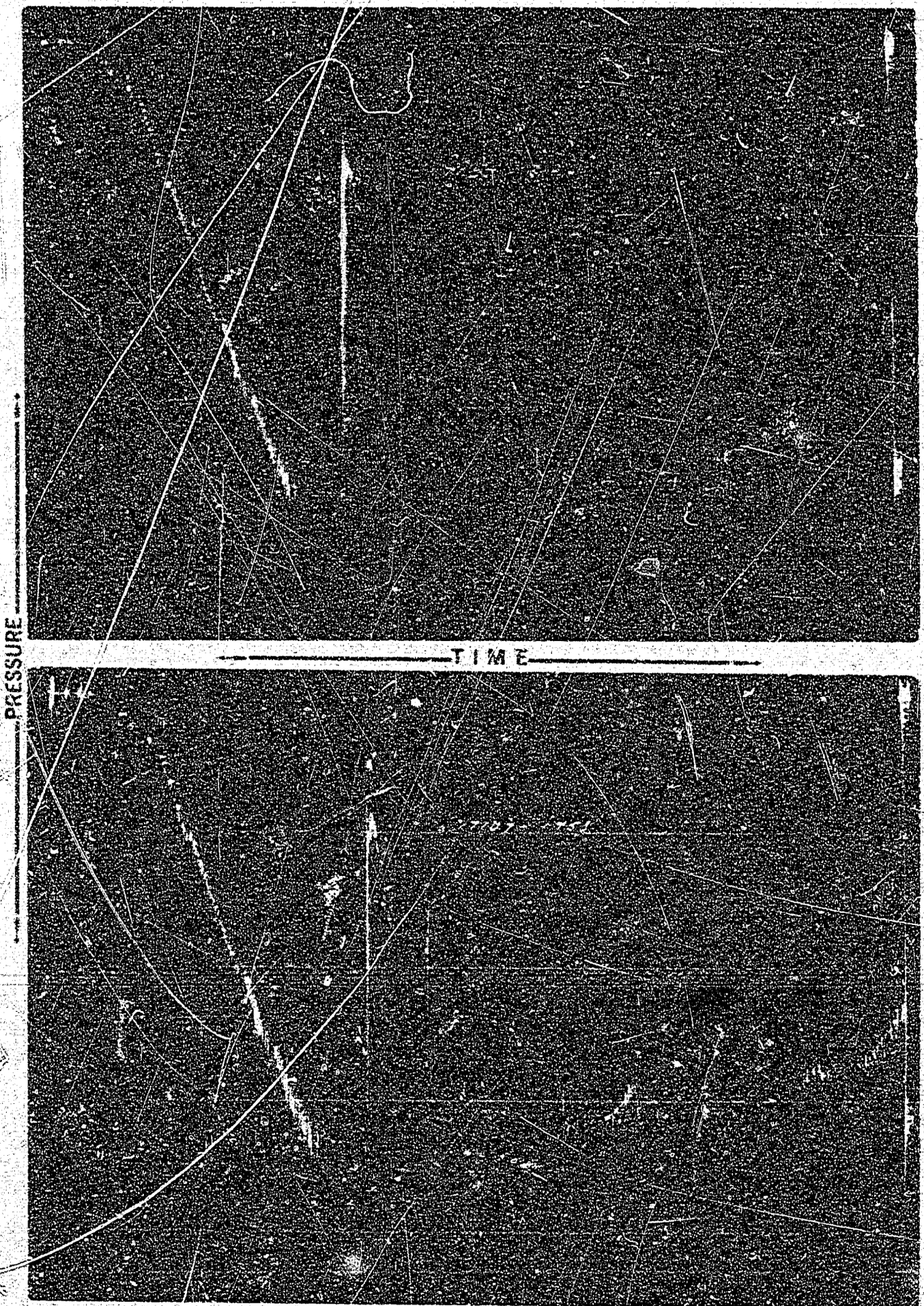
Pattern Unit Meq./L



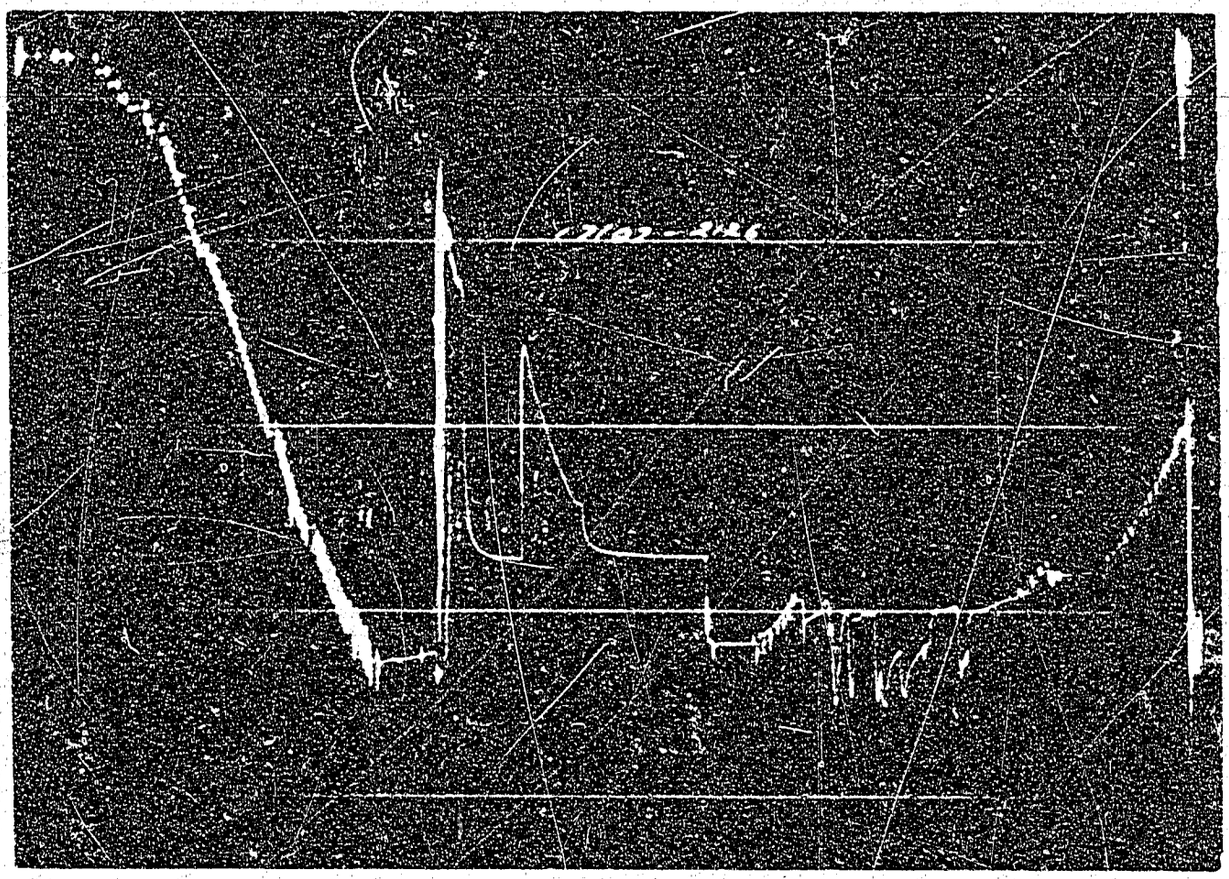
Remarks and Conclusions Sample consisted of salty water with a scum of oil. The filtered water was brown in colour and contained a very fine colloidal like suspended material which could not be removed by conventional methods of filtration. This material appeared to be some organic substance emulsified with the water.

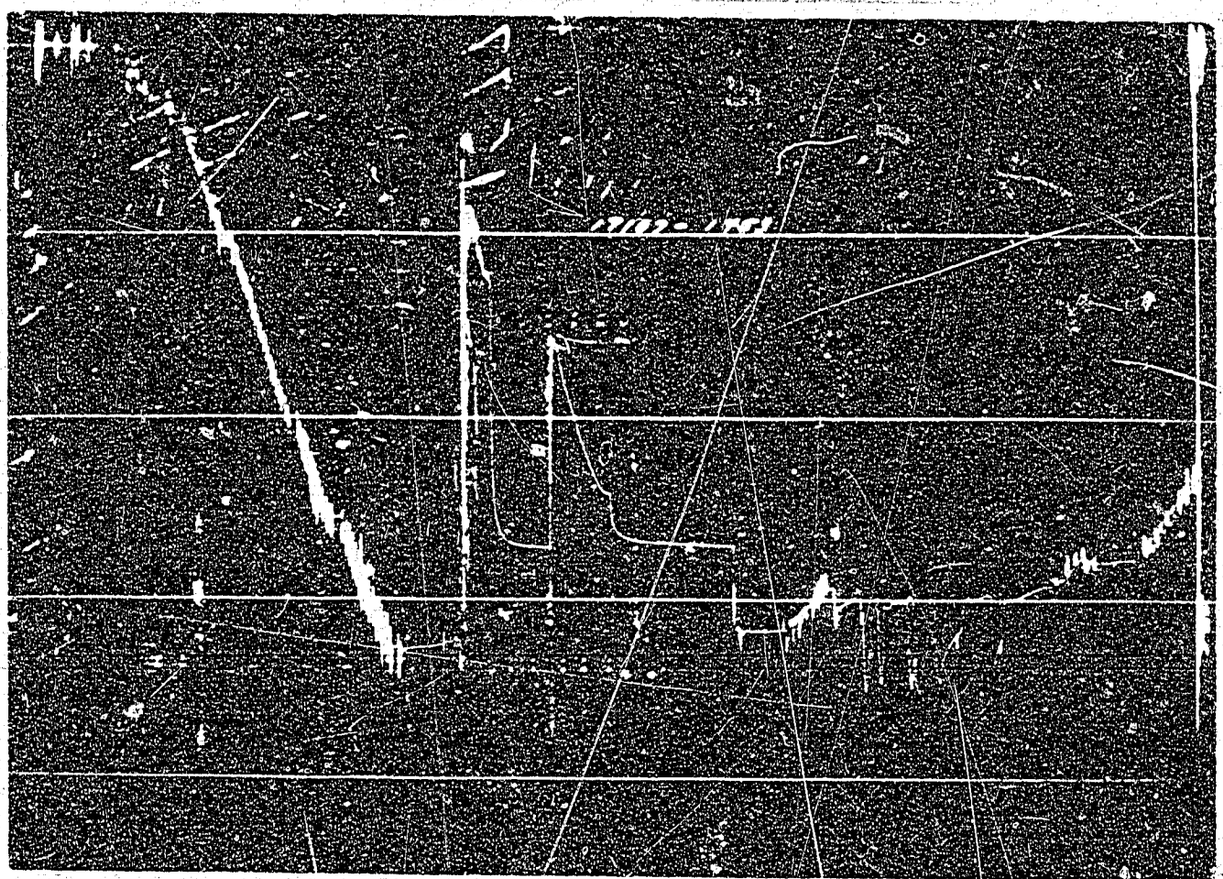
Heavy deposit of organic matter detected in evaporated total solids. Ammonium ions detected in sample.

The characteristics of the analysis indicate sea filtrate water.

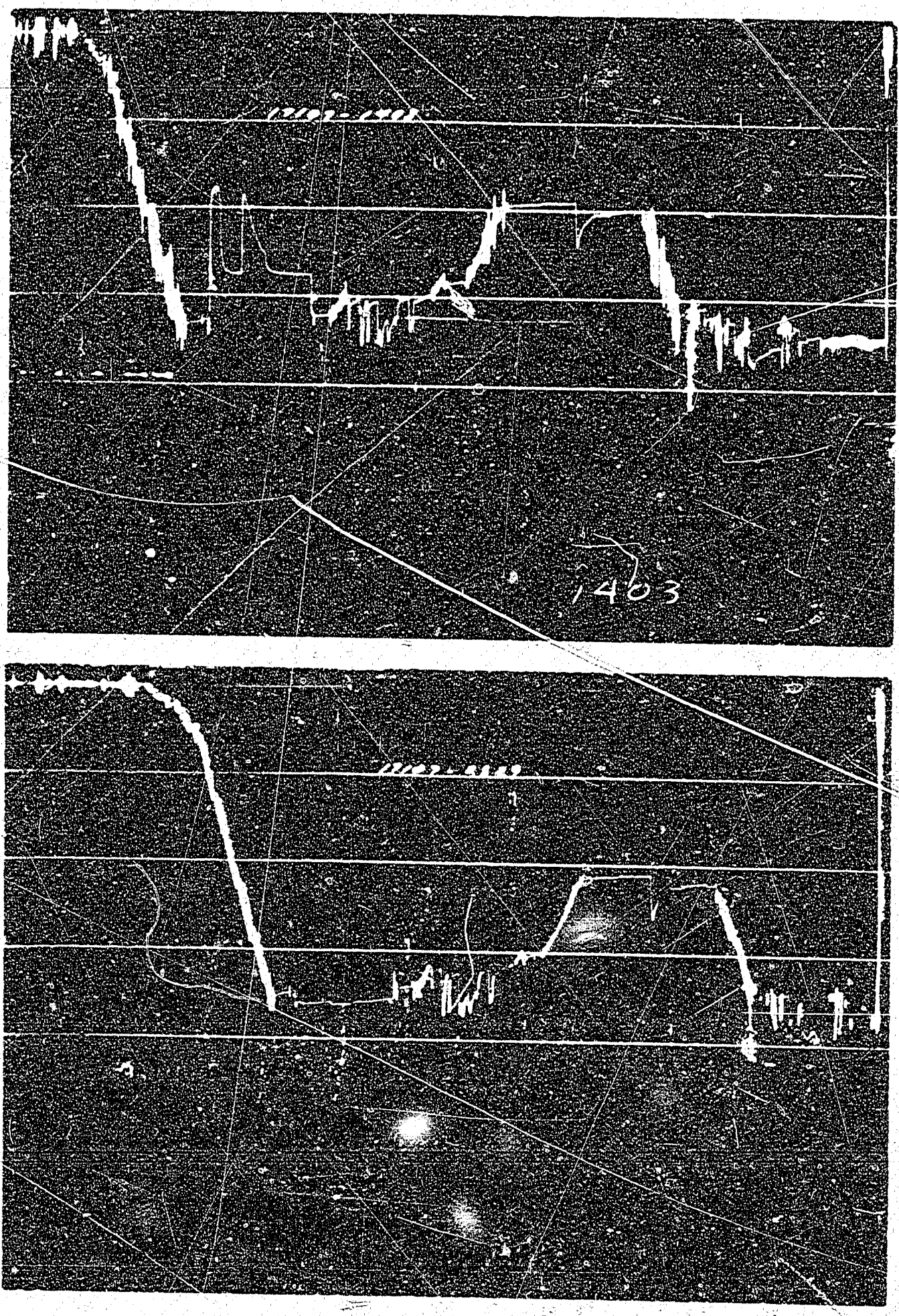


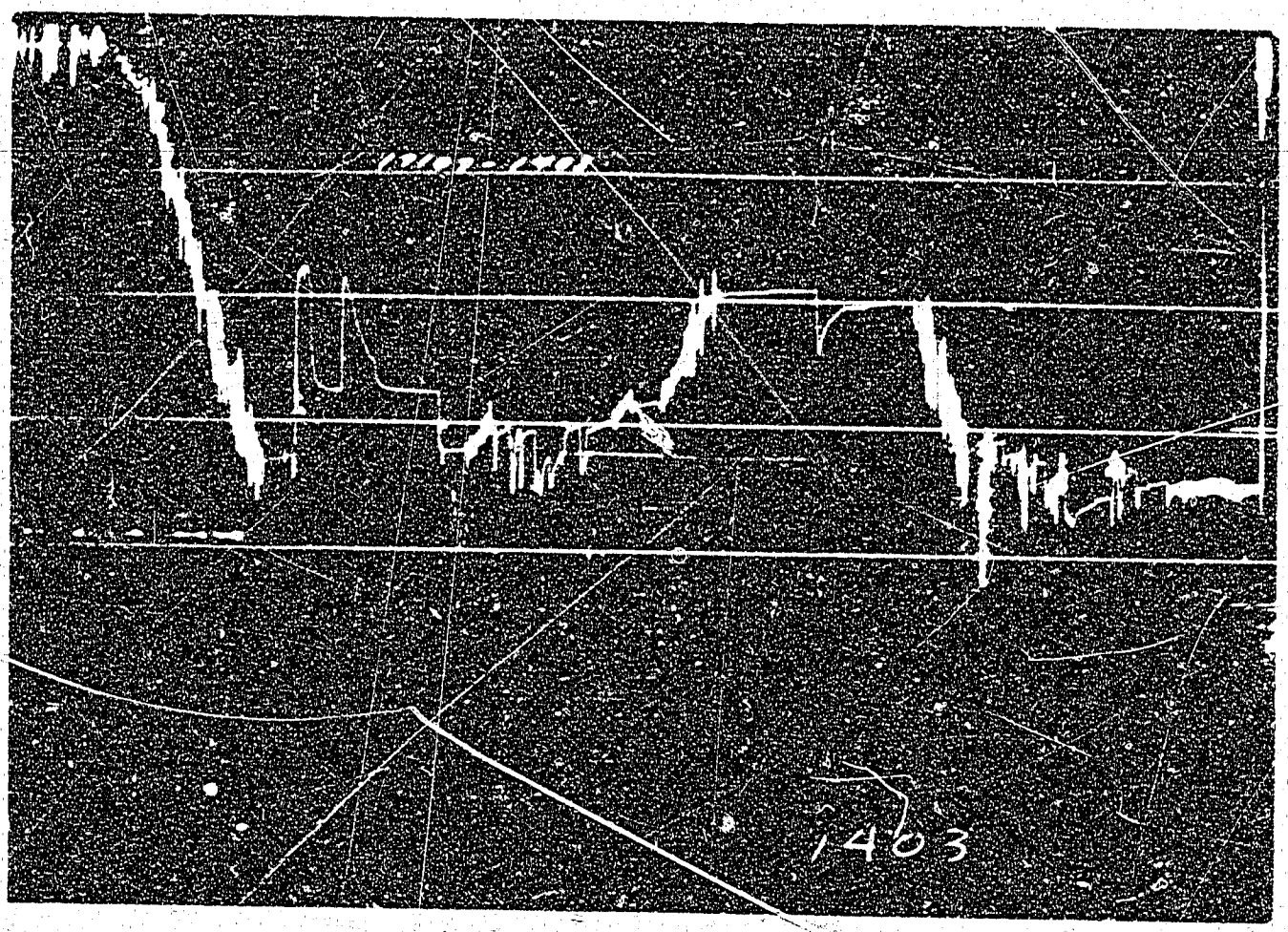
Each Horizontal Line Equal to 1000 p.s.i.

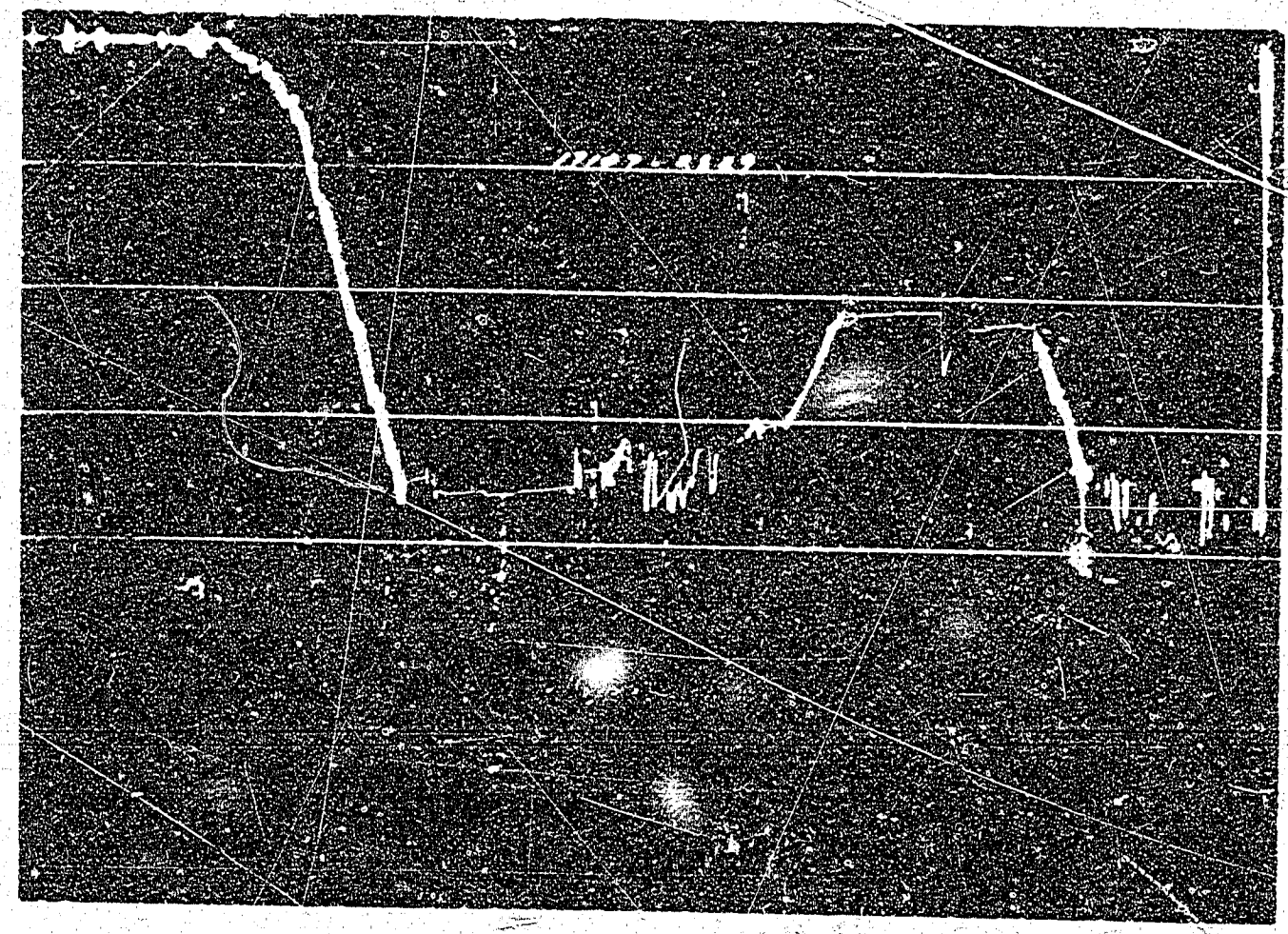




Each Horizontal Line Equals to 1000 p.s.i.


1403


1403



Depth Top Gauge	6781 ft	Blanked Off	No
BT P.R.D. No.	1455	12 Hr. Clock	
Pressure Readings	Field	Office Corrected	
Initial Hydro Mud Pressure		3237	
Initial Closed in Pressure		2734	
Initial Flow Pressure		1503	
Final Flow Pressure		2441	
Final Closed in Pressure		2725	
Final Hydro Mud Pressure		3180	

Depth Centre Gauge	6781 ft	Blanked Off	No
BT P.R.D. No.	1455	12 Hr. Clock	
Pressure Readings	Field	Office Corrected	
Initial Hydro Mud Pressure		3237	
Initial Closed in Pressure		2729	
Initial Flow Pressure		1588	
Final Flow Pressure		2431	
Final Closed in Pressure		2734	
Final Hydro Mud Pressure		3180	

Depth Bottom Gauge	7212 ft	Blanked Off	Yes
BT P.R.D. No.	2329	24 Hr. Clock	
Pressure Readings	Field	Office Corrected	
Initial Hydro Mud Pressure		3447	
Initial Closed in Pressure			
Initial Flow Pressure	Below Straddle		
Final Flow Pressure			
Final Closed in Pressure			
Final Hydro Mud Pressure		3421	

Date January 24, 1969 Ticket No. 11202

Kind of Job Drill Stem Test HOWCO District Ft. St. John

Tester G. E. McLeod Witness B. Lord

Contractor Nabors Drilling Ltd.

A.B. Elevation		Top Packer Depth	6810
		Bottom Packer Depth	6850
Total Depth	7210	Casing Perforations	Top Bottom
Interval Tested	6820-6850	Formation Tested	Slave Point
Casing or Hole Size	7 7/8	Liner or Rathole Size	
Size Surface Choke	1/4	Size Bottom Choke	5/8
		Size and Type Well Packer	7 1/8 GS

Size Drill Pipe 4 1/2 XH 3 1/2 IF ID and Length Drill Collars 2 7/8

Anchor I.D. Size O.D. 5

Amount-Type of Cushion 2531' water with Carbon

Gauge Depth	7203	Temp °F est.	160
°F meas. Mud Weight	9.2	Mud Viscosity	140
All Depths Measured From	K.B.	No Failures Reproduced	5

Time Periods Minutes

1st Flow 15 Initial CIP 30 2nd Flow 30 Final CIP 65

Recovered 12 Feet of Highly gas cut salt water

Recovered Feet of

Recovered Feet of

Recovered Feet of

Oil Recovery Degrees API Water Recovery Specific Gravity

REMARKS: Good initial flow. Gas to surface in five minutes. Gas flow measured at 500 MCFD initially decreasing to nothing. Pump out sub did not break. Reversed circulated through DCIP.

SHELL TROUT LAKE G-11 EDMONTON SHELL CANADA LTD.

Lease Name Well No. Test No. Operator's District Lease Owner

LEGAL DESCRIPTION / SEC. 11 TWP. 65 RGE. 25 W5M FIELD OR AREA TROUT LAKE PROVINCE NORTH WEST TERRITORIES

HALLIBURTON TICKET No. 17107

DST No. 2125 Depth 6757 12 Hr. Clock No. 2515 Temperature Corrected to 160 °F

	1st Flow Pressure		Initial CIP					2nd Flow Pressure		Final CIP				
	Time Defl. 000" T - P1D	PSIG Temp Corr	Time Defl. 000" Δ	T - 0	T - 0 Δ	PSIG Temp Corr	PSIG Δ Corr	Time Defl. 000" T - P1D	PSIG Temp Corr	Time Defl. 000" Δ	T - 0	T - 0 Δ	PSIG Temp Corr	PSIG Δ Corr
P0	.000	1090	.000			1306		.0000	1505	.000			2431	
P1	.045	1014	.021			2579		.0215	1652	.044			2675	
P2	.090	1306	.042			2665		.0430	1754	.088			2698	
P3			.063			2690		.0645	1908	.132			2706	
P4			.084			2716		.0860	2024	.176			2711	
P5			.105			2724		.1075	2129	.220			2713	
P6			.126			2726		.1290	2221	.264			2715	
P7			.147			2731		.1505	2305	.308			2721	
P8			.168			2732		.1720	2381	.352			2722	
P9			.189			2733		.1935	2431	.396			2724	
P10			.210			2734		.2150	2441	.440			2725	

DST No. 1453 Depth 6701 12 Hr. Clock No. 3222 Temperature Corrected to 160 °F

	1st Flow Pressure		Initial CIP					2nd Flow Pressure		Final CIP				
	Time Defl. 000" T - P1D	PSIG Temp Corr	Time Defl. 000" Δ	T - 0	T - 0 Δ	PSIG Temp Corr	PSIG Δ Corr	Time Defl. 000" T - P1D	PSIG Temp Corr	Time Defl. 000" Δ	T - 0	T - 0 Δ	PSIG Temp Corr	PSIG Δ Corr
P0	.000	1056	.0000			1290		.000	1568	.000			2431	
P1	.045	1100	.0215			2569		.022	1630	.045			2665	
P2	.090	1299	.0430			2662		.044	1804	.090			2698	
P3			.0645			2693		.066	1909	.135			2696	
P4			.0860			2707		.088	2023	.150			2700	
P5			.1075			2715		.110	2131	.225			2704	
P6			.1290			2719		.132	2226	.270			2709	
P7			.1505			2722		.154	2306	.315			2712	
P8			.1720			2724		.176	2365	.360			2715	
P9			.1935			2725		.198	2423	.405			2716	
P10			.2150			2728		.220	2431	.450			2718	

Intervals of Pressure Readings: Minutes: 1st Flow Pressure 7.5 Initial CIP 3.0 2nd Flow Pressure 3.0 Final CIP 6.5

Remarks:

HOWCO 52:107

PRESSURE DATA

HALLIBURTON TICKET No. 17107

DST No. 1403 Depth 6960 24 Hr. Clock No. 4395 Temperature Corrected to 160 °F

	1st Flow Pressure		Initial CIP					2nd Flow Pressure		Final CIP				
	Time Defl. 000" T - P10	PSIG Temp Corr	Time Defl. 000" Σ	T - Θ	T - Θ Θ	PSIG Temp Corr	PSIG 10th Gas	Time Defl. 000" T - P10	PSIG Temp Corr	Time Defl. 000" Σ	T - Θ	T - Θ Θ	PSIG Temp Corr	PSIG 10th Gas
P0	.000	1967	.000			1956		.000	1674	.000			2529	
P1	.025	1795	.011			2813		.012	1900	.023			2730	
P2	.050	1956	.022			2706		.024	2011	.046			2754	
P3			.033			2743		.036	2059	.069			2760	
P4			.044			2756		.048	2207	.092			2767	
P5			.055			2765		.060	2290	.115			2769	
P6			.066			2769		.072	2365	.139			2771	
P7			.077			2771		.084	2433	.161			2773	
P8			.088			2773		.096	2492	.184			2775	
P9			.099			2776		.108	2521	.207			2776	
P10			.110			2778		.120	2529	.230			2777	

DST No. Depth Hr. Clock No. Temperature Corrected to °F

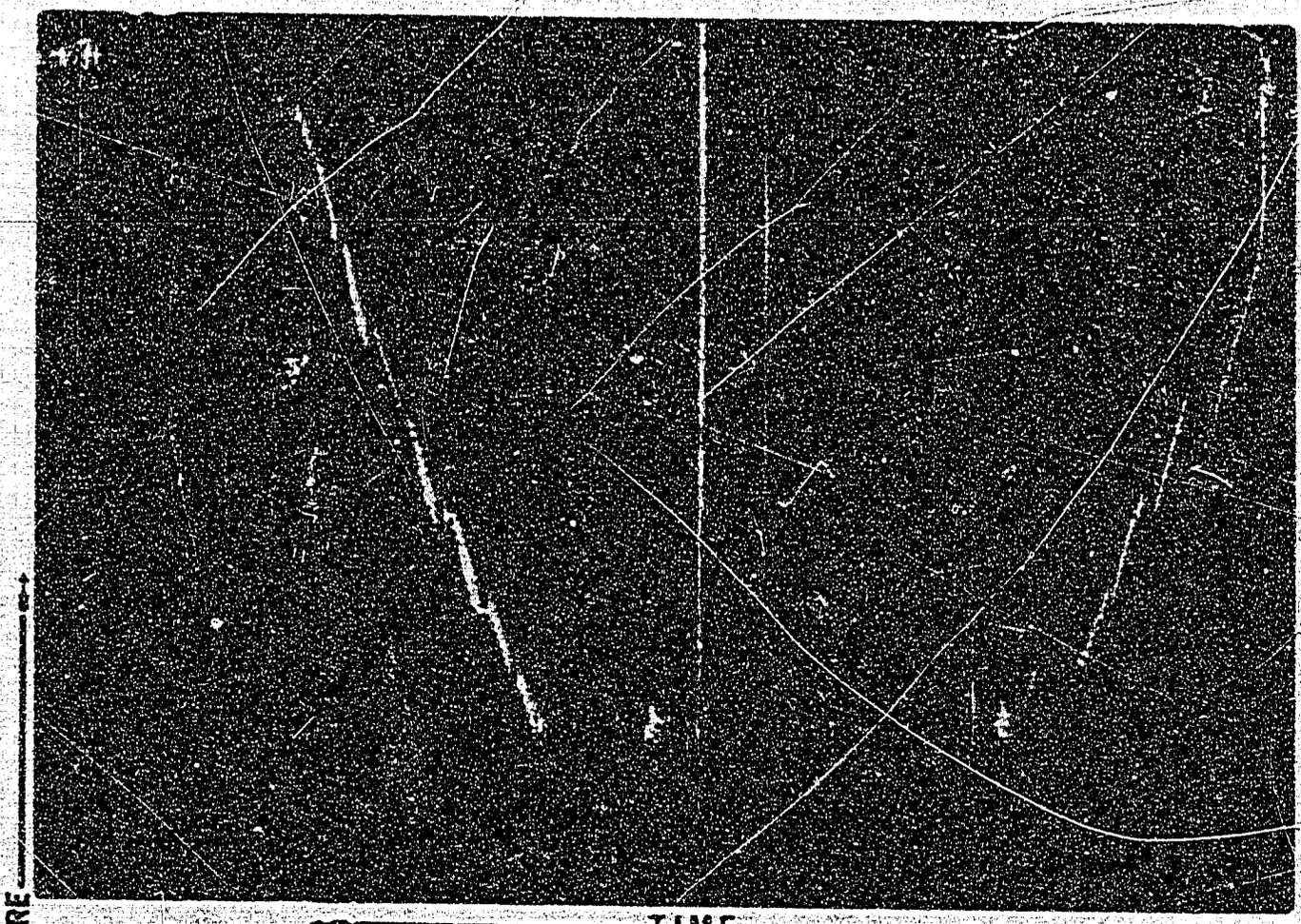
	1st Flow Pressure		Initial CIP					2nd Flow Pressure		Final CIP				
	Time Defl. 000" T - P10	PSIG Temp Corr	Time Defl. 000" Σ	T - Θ	T - Θ Θ	PSIG Temp Corr	PSIG 10th Gas	Time Defl. 000" T - P10	PSIG Temp Corr	Time Defl. 000" Σ	T - Θ	T - Θ Θ	PSIG Temp Corr	PSIG 10th Gas
P0														
P1														
P2														
P3														
P4														
P5														
P6														
P7														
P8														
P9														
P10														

Intervals of Pressure Readings Minutes: 1st Flow Pressure 7.5 Initial CIP 30 2nd Flow Pressure 30 Final CIP 60

Remarks:

HOWCO 52107

PRESSURE DATA

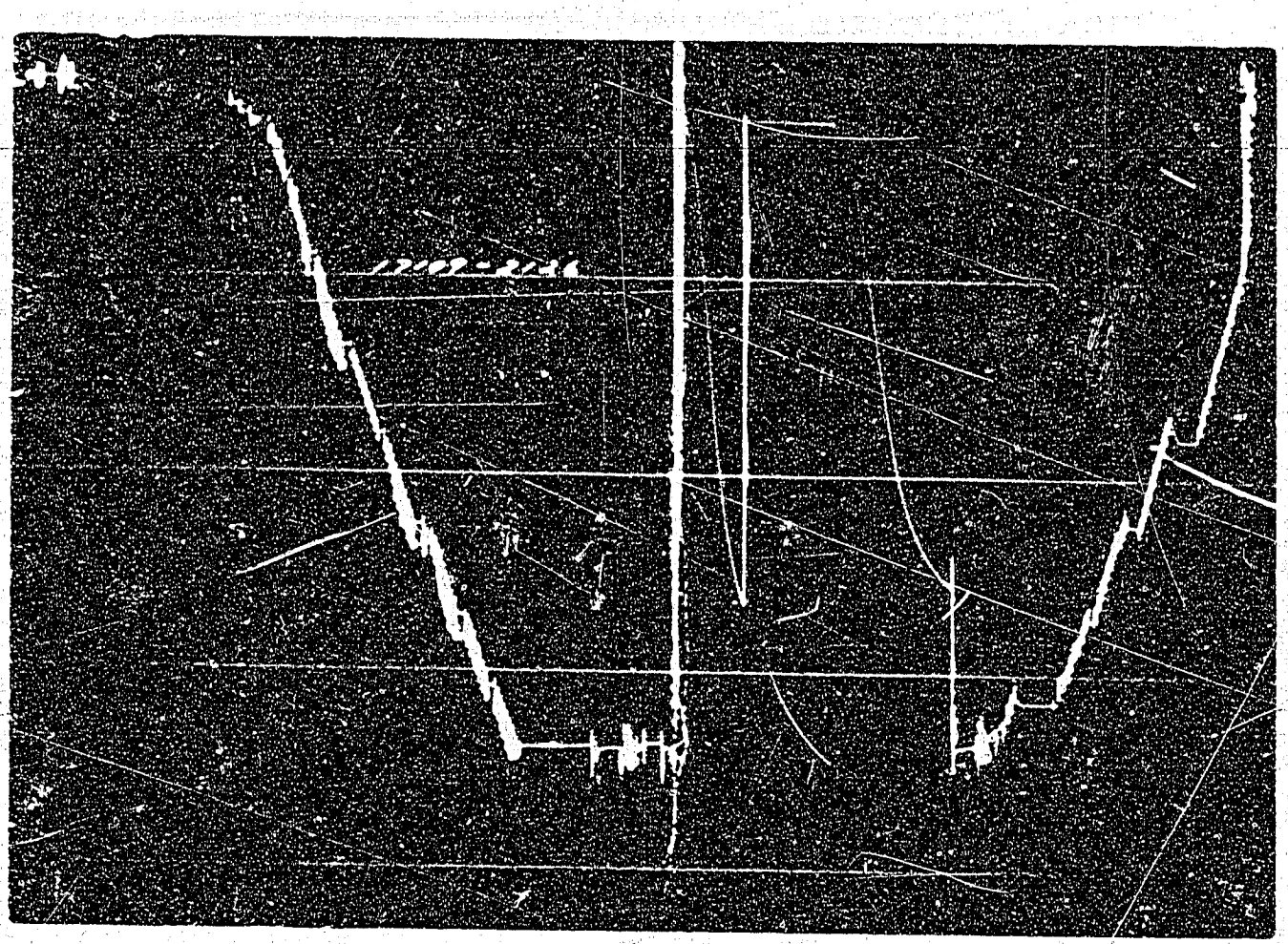


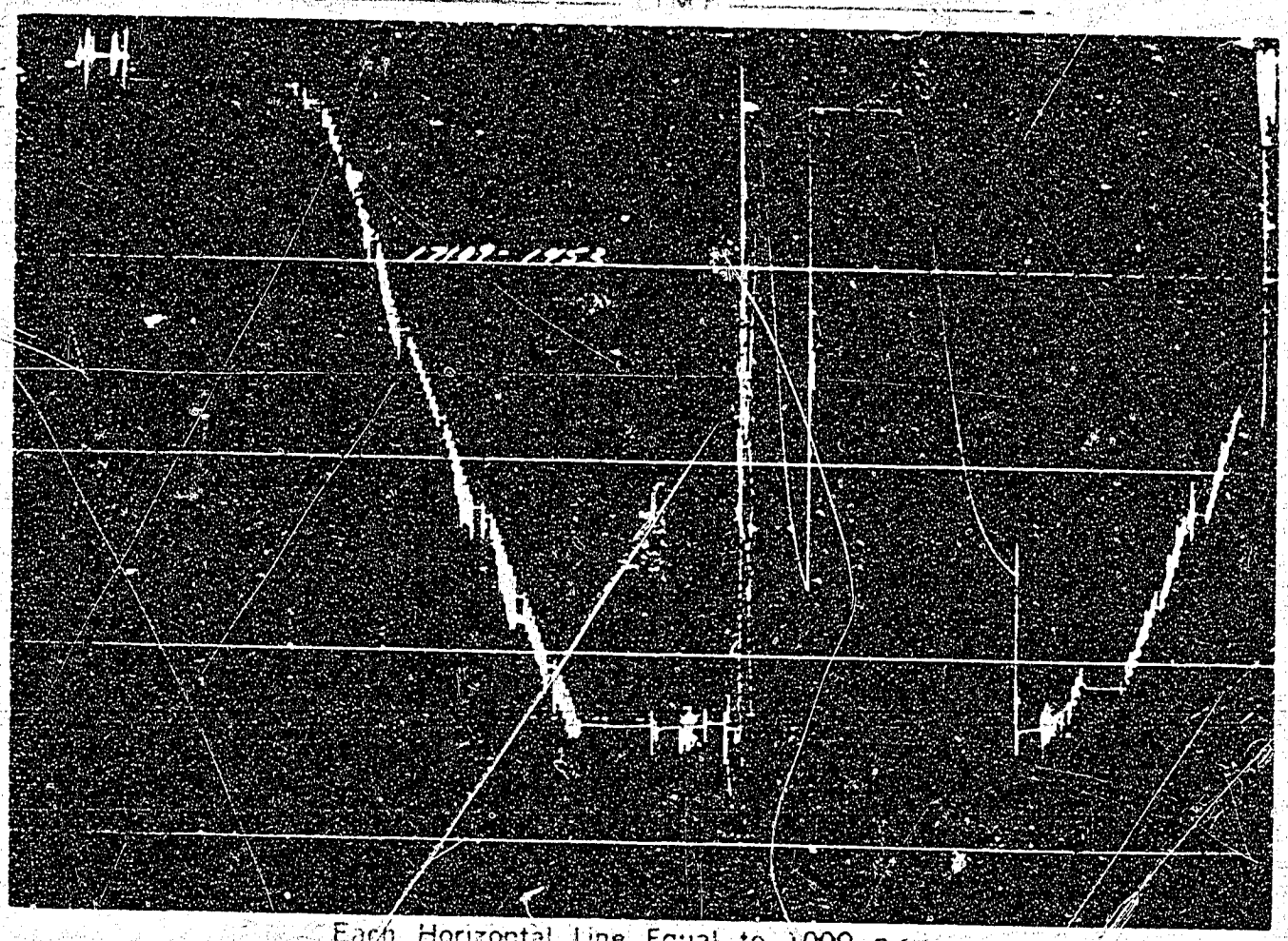
PRESSURE

TIME

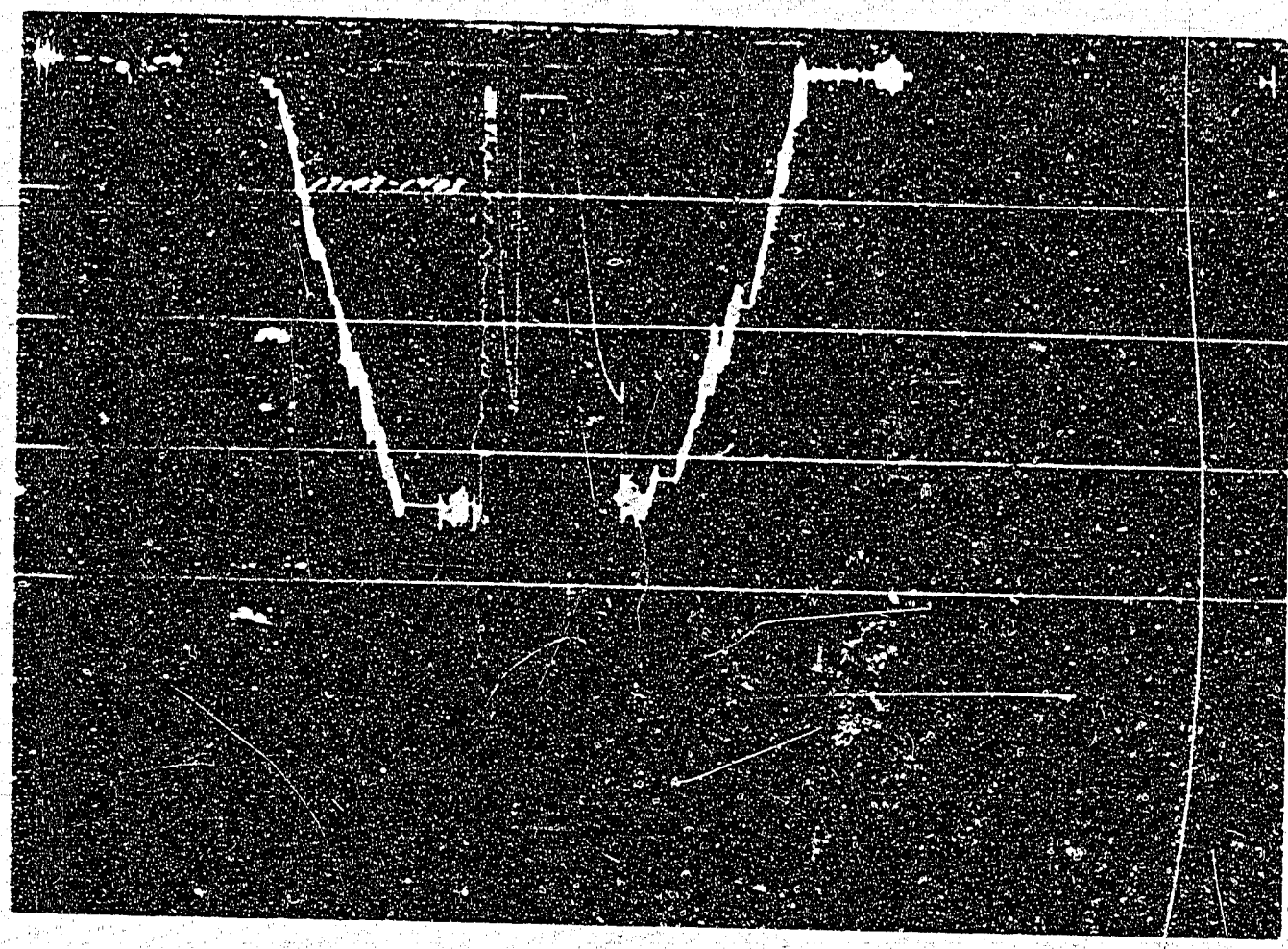


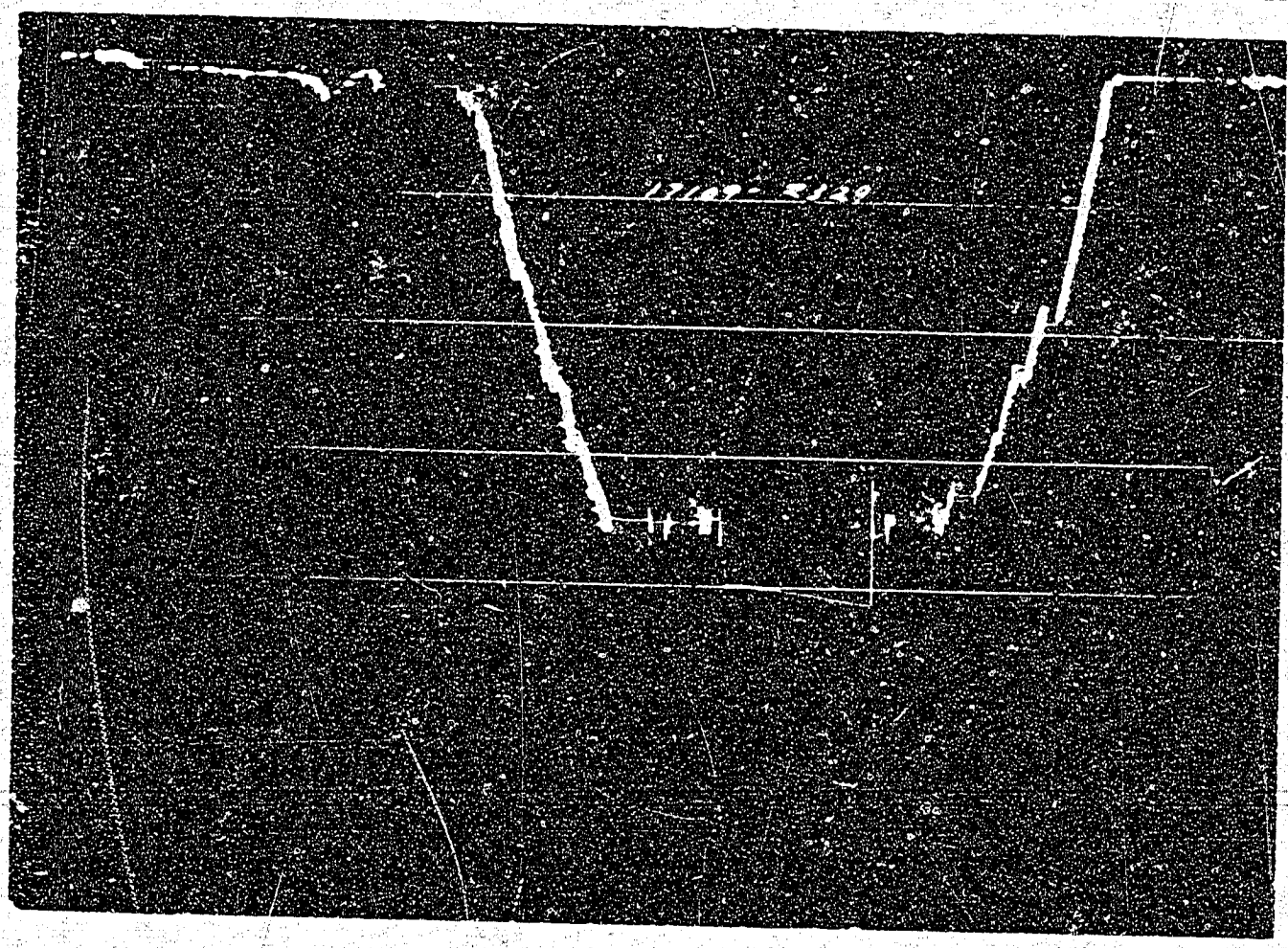
Each Horizontal Line Equal to 1000 p.s.i.

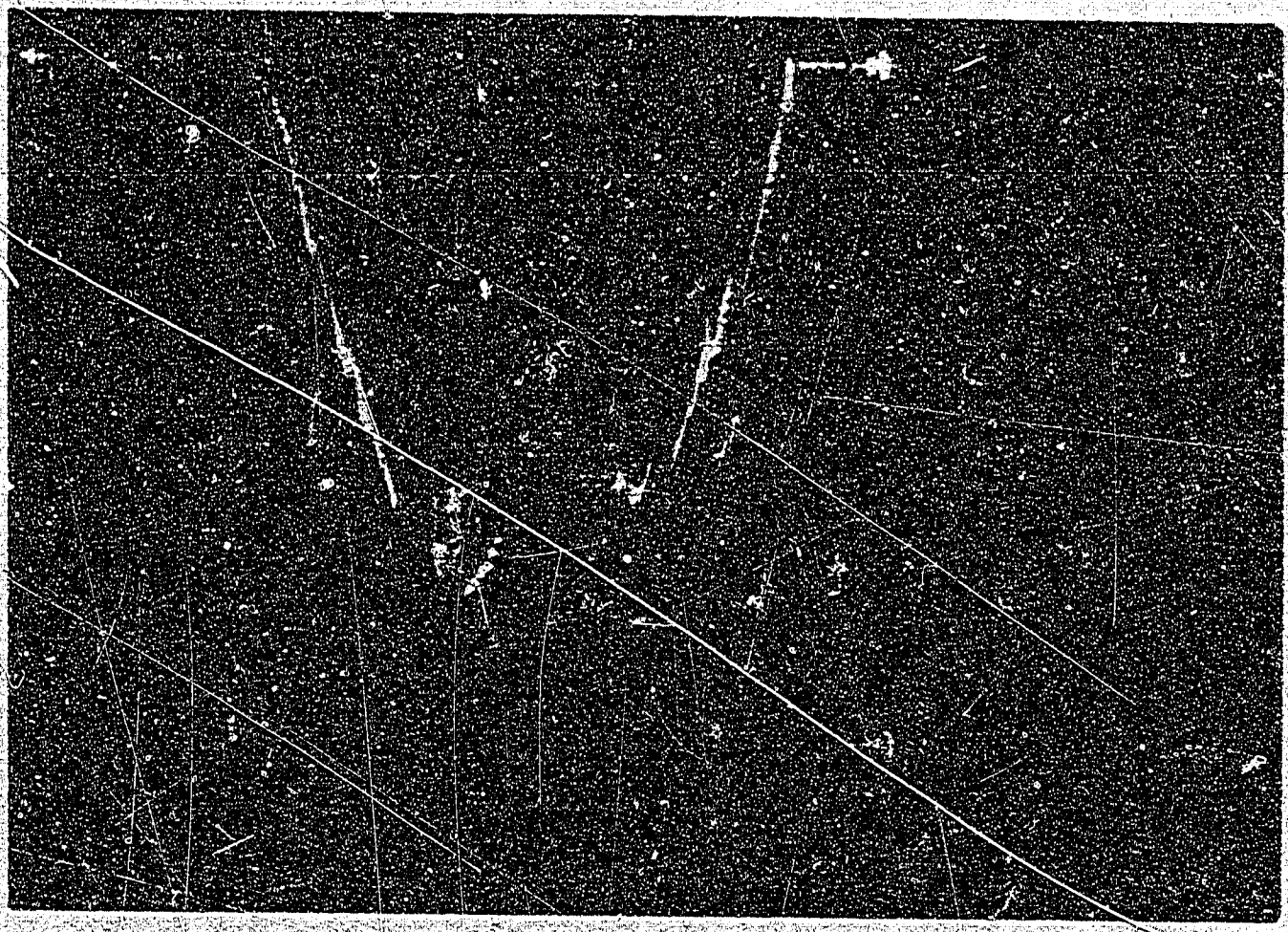




Each Horizontal Line Equal to 1000 p.s.i.



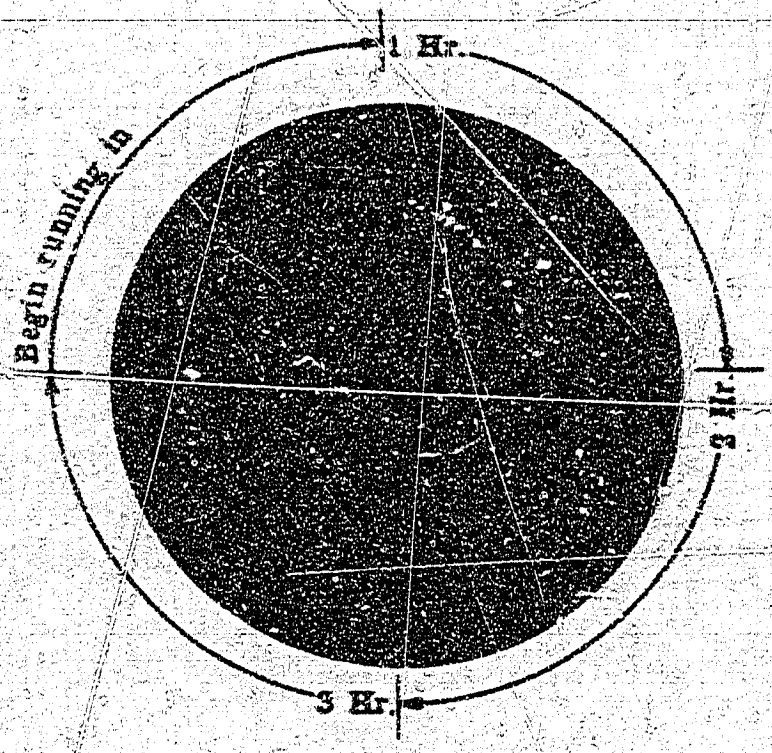




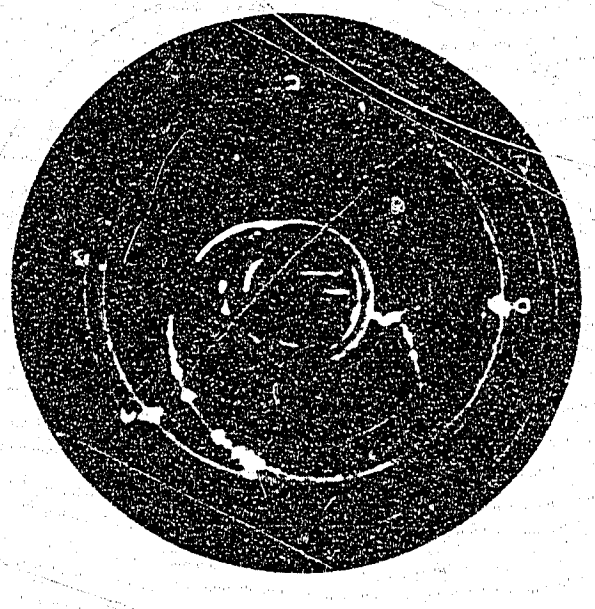


TEMPERATURE RECORD

Each concentric line equals 10°F.
Temperature increases outwardly
Ticket No T-27162
Temperature Range °F
150 °F to 250 °F
A to B — Initial CIP
B to C — 2nd Flow
C to D — Final CIP
A 212 °F
B 212 °F
C 215 °F
D 218 °F
6992'



HOWCO 521020



Depth Top Gauge	[illegible] Ft.	Blanked Off	No	Date January 30, 1965	Ticket No. T17109
BT P.R.D. No.	2120	12 Hr. Clock		Kind of Job Dual Straddle	HOWCO District Ft. St. John
Pressure Readings	Field	Office Corrected		Tester C. E. McLeod	Witness B. France
Initial Hydro Mud Pressure	3395	3392		Contractor Nabors Drilling Ltd.	
Initial Closed in Pressure	2662	2666		K b Elevation	Top Packer Depth 7010 Bottom Packer Depth 7080
Initial Flow Pressure	190	193		Total Depth 730-	Casing Perforations Top Bottom
Final Flow Pressure	199	204		Interval Tested 7010-7080	Formation Tested Presqu'ile
Final Closed in Pressure	2562	2575		Ga. Rec. Make Size 8 3/8"	Liner or Rathole Size
Final Hydro Mud Pressure	3366	3376		Size Surface Choke 3/4	Size Bottom Choke 5/8 Size and Type Wall Packer 7¾" ES
Depth Centre Gauge	7040 Ft.	Blanked Off	No Yes	Size Drill Pipe 4½" XH 4½" H-90	ID and Length Drill Collars 2 7/8" x 390'
BT P.R.D. No.	1453 1403	12 24 Hr. Clock		Anchor I.D. Size O.D. 5"	Amount-Type of Cushion 300' water with corban
Pressure Readings	Field	Office Corrected		Gauge Depth Temp. 59927	° F mass. Mud Weight 9.2 Mud Viscosity 180
Initial Hydro Mud Pressure		3355 3431		All Depths Measured From K.B.	No. Folders Reproduced 7
Initial Closed in Pressure		2657 2706		Time Periods (Minutes) 1st Flow 5 Initial CIP 30 2nd Flow 45 Final CIP 60	
Initial Flow Pressure		192 240		Recovered 300 Feet of water with corban.	
Final Flow Pressure		199 244		Recovered 60 Feet of Drilling mud.	
Final Closed in Pressure		2565 2606		Recovered Feet of	
Final Hydro Mud Pressure		3365 3412		Recovered Feet of	
Depth Bottom Gauge	730- Ft.	Blanked Off	Yes	Oil Recovery Degrees API	Water Recovery Specific Gravity
BT P.R.D. No.	2329	24 Hr. Clock		REMARKS: Very weak initial blow. Very weak to nil on flow.	
Pressure Readings	Field	Office Corrected			
Initial Hydro Mud Pressure		3515			
Initial Closed in Pressure					
Initial Flow Pressure	Below	Straddle			
Final Flow Pressure					
Final Closed in Pressure					
Final Hydro Mud Pressure		3489			

SHELL TROUT LAKE Lease Name 0-41 Well No. 2 CALGARY Owner's District SHELL CANADA LTD. Lease Owner

LEGAL DESCRIPTION 60° 00' 54" N/Lat. 121-351-00,000"-WL Long

FIELD OR AREA TROUT LAKE PROVINCE NORTH WEST TERRITORIES

C.P. 38 (10/65) DAILY DRILLING REPORT REPORT NO. DATE Feb 1/68

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED		Shell Lynx Lake	O-41	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Nabors Alberta Co.	10		

OPERATOR'S REPRESENTATIVE	CONTRACTOR'S TOOL PUSHER
R. Duncan	[illegible]

PUMPS

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

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

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

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/O/D.P.

HRS W/O/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
3				WOC. 12:00 - 3:00								
				TRG PLUG @ 791 3:00 - 3:30								
				LAY DOWN DRILL PIPE 3:30 - 4:00								
				CLEANING MUD TANKS & REMOVING BOPS 4:00 - 8:00								

DEVIATION RECORD:

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

REMARKS: DRAIN PUMPS & LINES

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
8:00				Remove BOPs Cut off Csg 3' below G.L run 5 Sack								
3:00				Plug on surface weld on plate Sign post &								
				Well sign.								
				Rig released @ 3:00 pm								
				RF.								

DEVIATION RECORD:

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

REMARKS

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.-38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 54 DATE Jan 31/68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED						SHELL TROUTLAKE	D-41	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD.
NABORS DRLG	10		4½ XH

OPERATOR'S REPRESENTATIVE	CONTRACTOR'S TOOL PUSHER
K Turner	R Lawluk

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	C 250	15
2.	"	"	15
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	36 55	0	870				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING	1½	3¾	
TRIPS	3	½	
DEVIATION SURVEY			
TEST B.O.P.	¼	¼	
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER	3¼	3¾	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8		

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
71	STANDS DP	7223.91 FT.	RUN NO.	
2	SNGLS. DP	61.54 FT.	SIZE	
	D.C. ID		MFG.	
	D.C. OD	FT.	TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	22.20 FT.	COND. OF BIT	
	TOTAL	7307.75 FT.	REAMER CUTTER NO.	
	WT. OF STRING	120 M LBS.	TYPE	

DRILLER Frank Chapman

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

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

REMARKS

12⁰⁰ 12¹⁵ Rig Serv BOPS. OK. Boiler 8 hrs.
12¹⁵ Rig up to lay down D.C.
12⁴⁵ Lay down 12 Drill Collars.
3.00 Run in Hole Drill Pipe.
6⁰⁰ Pick up 2 Singles Break Circ. Tag Btm.
6³⁰ Wait on Halliburton Cementer.
Trick on location w/ no Cementer

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

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

DRILLER

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

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

REMARKS

8⁰⁰ 9¹⁵ Rig Serv. Check BOP.
9¹⁵ 11⁰⁰ Rig up & Thaw out cement Truck. Circulate.
11⁰⁰ 12⁰⁰ Run Plug #1
12⁰⁰ 12³⁰ Pull 11 Jts 5½ Stds.
12³⁰ 1³⁰ Rig to Lay down Pipe.
1³⁰ 4⁰⁰ Lay down drill Pipe.

Plug #1 7307 - 6700
300 sacks portland cement
Plug down @ 11⁴⁰ AM JAN 31/68
(300 sacks - 20 Tonnes)

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

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

DRILLER

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

Lay Down Pipe 4⁰⁰ - 7³⁰ - 3½
Run in 12 Stands Lay Down 6 Singles 7³⁰ — 8³⁰ — 1
Rig up to Run Plug #2. 8³⁰ - 9⁰⁰ — ½
Run Plug #2 9³⁰ - 9¹⁵ — ½
Pull out of Plug 9¹⁵ - 9³⁰ — Plug #2 9²⁰ - 8²⁰ 90 sacks
Wait on Cement 9³⁰ — 12⁰⁰ - 2½ Portland + 3% calc² Plug down @ 9⁰⁰ PM / JAN 31/68

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P. 38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 53 DATE Jan 30-68

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED		SHELL TROUT LAKE	D-41	Alta. N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD.
Nabors Drlg	10		4-4D XH

OPERATOR'S REPRESENTATIVE: K Tuttle

CONTRACTOR'S TOOL PUSHER: J Faulk

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Nat.	C-250	15"
2.	"	"	"
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	36 55	0	870				

TIME DISTRIBUTION—HOURS

	WORK	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING			
TRIPS	3½	9½	
DEVIATION SURVEY			
TEST B.O.P		½	
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER	4½	1½	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING		1	
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS		8	

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME: 24

HRS. W/D.P: 13½

HRS WO/D.P: 10½

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

23½ HRS EVALUATION

½ HR ABANDONMENT

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
73	STANDS DP	6754.76 FT.	RUN NO.	
1	SNGLS. DP	30.60 FT.	SIZE	
13	D.C. 2¾ ID / 6½ OD	384.39 FT.	MFG.	
	RMR BODY OD	FT.	TYPE	
	STB BODY OD	FT.	NOZ. NO. / SIZE	
	SUBS OD	FT.	SER. NO	
	BIT OR C.B.	FT.	DEPTH OUT	
1	PACKER	174.00 FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	7307.75 FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: Earl Chapman

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH / DEV. / DIRECTION

REMARKS: Boiler & Lines.

12⁰⁰	3³⁰	START OUT OF HOLE
3³⁰	4³⁰	WAIT ON TESTER
4³⁰	8⁰⁰	MAKE UP PACKER

D.S.T. #2 Dual Stackable (7010'-7080'). (7½" Packers). Preflow of 5 min. Initial Shut in 30 min. Flow period 60 min. 45 min Final shut in. IHP of 3395#. ISIP of 3362. IFP of 199 to 199 FFP of 199#. FSIP of 2562#. Recovered 300' (2.4 bbls) of muddy water and Gas and 60' (½ bbl) of drilling mud. NBP Boiler Line.

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

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
73	STANDS DP	6854.76 FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
12	D.C. ID / OD	350.79 FT.	MFG.	
	RMR BODY OD	FT.	TYPE	
	STB BODY OD	FT.	NOZ. NO / SIZE	
	SUBS OD	FT.	SER. NO.	
	BIT OR C.B.	FT.	DEPTH OUT	
Test Tool	128.	FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	7332.35 FT.	REAMER CUTTER NO.	
	WT. OF STRING	146 LBS.	TYPE	

DRILLER: Glen Ellis

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		@ 7307										

DEVIATION RECORD: DEPTH / DEV. / DIRECTION

REMARKS

8⁰⁰	9³⁰	Rig Serv. check BOP's Motor Shut.
9³⁰	9³⁰	Break manual Packer.
9³⁰	11⁰⁰	TAKE O-T FLARE Line.
11⁰⁰	13⁰	Run in hole w/ Packer.
13⁰	15⁰⁰	Run 30 of WATER cushion & Carbann.
15⁰⁰	3⁰⁰	Head up Packer.
3⁰⁰	3³⁰	INITIAL SHUT IN.
3³⁰	4⁰⁰	Tool Open.

FFP of 199#. SIP of 2562#. Recovered 300' (2.4 bbls) of muddy water and Gas and 60' (½ bbl) of drilling mud. NBP Boiler Line.

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

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
	D.C ID / OD	FT.	MFG.	
	RMR BODY OD	FT.	TYPE	TESTING
	STB BODY OD	FT.	NOZ. / SIZE	
	SUBS OD	FT.	SER NO	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	7307 FT.	REAMER CUTTER NO.	
	WT OF STRING	LBS.	TYPE	

DRILLER: John Bennett

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH / DEV. / DIRECTION

REMARKS

Testing
Break Down Test Head.
Pooh out D.S.T. #2
Break Down Packer Sand, Load out Same
Make up B.T. Run Collars
To Tag for abandonment.

4⁰⁰	5¹⁵	1¼
5¹⁵	5⁴⁵	½
5⁴⁵	9⁰⁰	3¼
9⁰⁰	11³⁰	2½
11³⁰	12⁰⁰	½

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

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.

C.P.—38 (10/68) **DAILY DRILLING REPORT** REPORT NO. 52 DATE Jan 29-68.

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED		Shell Trout Lake	O-41	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD.	OPERATOR'S REPRESENTATIVE	CONTRACTOR'S TOOL PUSHER
Allards Drlg.	10		H-90 XH	K Runner	J Bourdeau

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	C-250	15
2.	"	"	"
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9 5/8	36 55	0	500				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING		1/2	
TRIPS		2 1/2	
DEVIATION SURVEY		3/4	
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING		14	
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS		8.	

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:	0
OPERATOR'S TIME:	24
HRS. W/D.P:	16 1/4
HRS WO/D.P:	7 3/4
HRS STANDBY	

WIRE LINE RECORD

REEL NO	
NO OF LINES SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	68 @ 68 FT.	RUN NO.	
	SNGLS. DP	61.25 FT.	SIZE	8 3/4
	D.C. 7 3/4 ID		MFG.	Hyc
12	6 6/4 OD	356.05 FT.	TYPE	X3A
	RMR BODY OD	FT.	NOZ. NO.	2
	STB BODY OD	FT.	SIZE	15 13
	SUBS OD	9.57 FT.	SER. NO	
	BIT OR C.S.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	24.65 FT.	COND. OF BIT	
	TOTAL	7307. FT.	REAMER CUTTER NO.	
	WT. OF STRING	140m LBS.	TYPE	

DRILLER L Lloyd

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
	@ 7307.						1200	6	56			

DEVIATION RECORD:

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

REMARKS Boiler 8 Hrs.

1	Circulate 12:00 - 1:00
1/4	R.S. & Hydril 1:00 - 1:15
3	Hoist 1:15 - 4:15
	Rig up to Run Velocity 4:15
3 3/4	Survey + Run Same. 8:00

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
76	STANDS DP	72 @ 34 FT.	RUN NO.	
2	SNGLS. DP	61.04 FT.	SIZE	
	D.C. ID		MFG.	
	OD	FT.	TYPE	
	RMR BODY OD	FT.	NOZ. NO	
	STB BODY OD	FT.	SIZE	
	SUBS OD	FT.	SER. NO.	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	19.62 FT.	COND. OF BIT	
	TOTAL	7307. FT.	REAMER CUTTER NO.	
	WT. OF STRING	132m. LBS.	TYPE	

DRILLER G Hamilton

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		7307	TD									

DEVIATION RECORD:

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

REMARKS

8 1/2	12:00. Logging w/ Velocity Survey.
12:00	2:30 R.U. & hole open end
2:30	3:30 Pick up 12 singles
3:30	4:00 Circ. Wait on Loaders

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

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

DRILLER Jack Fraser

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
			7307 TD									

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

	Wait on Tester
	Circulating.

4:00 — 12:00 — 8

MUD RECORD

	6:00	8:00	10:00
TIME			
WEIGHT	9.4	9.4	9.4
VISC	240	235	128
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	100		
CMC	50		

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 51 DATE Jan. 28 -68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED						SHELL TROUT LAKE	O-41	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT SD	TYPE THD.
WARDS DRLG.	10.			H-90 XH.

OPERATOR'S REPRESENTATIVE: [signature] CONTRACTOR'S TOOL PUSHER: [signature]

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	6-250	15
2.	"	"	"
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	36-5#	0	870.				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING			1
TRIPS	½		3
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING	7½		
OTHER		8	11
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	6	8	9

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME: 24 hrs

HRS. W/O.D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

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

DRILLER [signature]

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		(7315)		T.D.								
				7307 Corrected T.D.								

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7117	2 1/2°							

REMARKS

1½ Finish out. 12¼ - 12⅜°

Rig up Log Truck 12¾° — 8°°.

7½ - Logging @ 7308 T.D.

Boiler 8 hrs

Board tally 7315.41

Stroppers tally 7307.65

Deflection - 8.15.

Depth correction (7307 T.D.)

Log. Truck got here. 12°° P.M.

(Tally @ 6987 / 11.25 shallow)
(@ 7216 / 12.42 shallow)
(@ 7253 (10.30 shallow))

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

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

DRILLER

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		7307 - Corrected TD.										

DEVIATION RECORD:

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

REMARKS

Logging w/ Schlumberger 2°° 4°°

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	6861.68 FT.	RUN NO	
	SNGLS. DP	61.25 FT.	SIZE	8 3/4
	D.C. 6¼ ID 2¼		MFG.	HW
	OD	356.05 FT.	TYPE	X3A
	RMR BODY OD	FT.	NOZ. NO.	2 1
	STB BODY OD	FT.	SIZE	15 13
	SUBS OD	9.57 FT.	SER NO	-
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	@ 7308 ft.
	KELLY DOWN	7.65 FT.	COND. OF BIT	
	TOTAL	7308. FT.	REAMER CUTTER NO.	
	WT OF STRING	140m. LBS.	TYPE	

DRILLER [signature]

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
	@	7308					1200	6	56			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

4°° 6³° WAIT on data. Velocity survey crews

6³° 7°° Lay down 10 D.C.

7°° 10°° Run in hole To Clean out.

10°° 11°° Pick up 10 singles.

11°° 12³ Circ. Clean hole.

Wait to run velocity survey 8 hrs.

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 50 DATE JAN. 27/68.

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED						Shell Trout Lake	O-41	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	TYPE THD.
NABORS DRILLING	16		5½ OD	X-H

OPERATOR'S REPRESENTATIVE: K. Kunec

CONTRACTOR'S TOOL PUSHER: R. Pawluk

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-250	15"
2.	"	C-250	15"
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	36-J55	0	220.				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7¾	4¾	—
REAMING			—
CIRCULATING		2¼	4
TRIPS		3¼	4
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER Rig Service	¼	¼	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	9	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 14

OPERATOR'S TIME: 10

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES 8 SIZE 1/8

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	6080.44 FT.	RUN NO.	23
	SNGLS. DP	31.07 FT.	SIZE	8¾
11	D.C. 6¼ ID / 2¾ OD	658.88 FT.	MFG.	H.W.
			TYPE	X55R
	RMR BODY OD	FT.	NOZ. NO.	2 1
	STB BODY OD	FT.	NOZ. SIZE	15 13
	SUBS OD	9.57 FT.	SER. NO	93332
	BIT OR C.B.	FT.	DEPTH OUT	7305
		FT.	CUMULATIVE HOURS RUN	11½
	KELLY DOWN	24.09 FT.	COND. OF BIT	1/1
	TOTAL	7305. FT.	REAMER CUTTER NO.	
	WT. OF STRING	158M LBS.	TYPE	

DRILLER: L. Thomson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7¾		2280	7305.		35	45	850	6	54	6		5

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

REMARKS: Boiler 8 hrs

12 — 2¾ Drilling
2¾ — 3 Rig Ser.
3 — 8¼ Drilling

MUD RECORD	TIME	2 00	4:00	8:00
	WEIGHT	9.1	9.1	9.2
	VISC	165	170	192
	W.L.-C.C.	6.0	5.9	—
	FLTR. CK.	2/25	2/32	2/32
	PH	10.5	11.0	10.5
	SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel.	100 sx		
Caust.	100 lb.		
WATER.			

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
11	STANDS DP	6580.44 FT.	RUN NO.	23
5	SNGLS. DP	31.52 FT.	SIZE	8¾
2	D.C. 6¼ ID / 2¾ OD	658.88 FT.	MFG.	H.W.
			TYPE	X55R
	RMR BODY OD	FT.	NOZ. NO.	2-1
	STB BODY OD	FT.	NOZ. SIZE	15-13
	SUBS OD	9.57 FT.	SER. NO	93332
	BIT OR C.B.	FT.	DEPTH OUT	7315
		FT.	CUMULATIVE HOURS RUN	16¼
	KELLY DOWN	35.00 FT.	COND. OF BIT	2/16
	TOTAL	7315 FT.	REAMER CUTTER NO.	
	WT. OF STRING	158M LBS.	TYPE	

DRILLER: L. Thomson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
4¾		7305	7315	T. H.	25	45	800	6	48			

DEVIATION RECORD: DEPTH 7117 | DEV. 2½ | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

REMARKS: Boiler 8 Hrs

3 — Drill — 8:00 — 11:00
¼ — R.S. & Hydril — 11:00 — 11:15
1¾ — Drill — 11:15 — 1:00
2¼ — Circulate for Samples — 1:00 — 3:15
1 — Dummy Trip — 1 hr for samples
¾ — Hoisting — 3:15 — 4:00 — 1 stem broken

MUD RECORD	TIME	12:00	2:00
	WEIGHT	9.2	9.3
	VISC	200	210
	W.L.-C.C.	5.4	5.8
	FLTR. CK.	2/32	2/32
	PH	9.5	10.0
	SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	200#		
WATER.			

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	6080.44 FT.	RUN NO.	23
	SNGLS. DP	31.52 FT.	SIZE	8¾
	D.C. ID / OD	658.88 FT.	MFG.	H.W.
			TYPE	X55R
	RMR BODY OD	FT.	NOZ. NO.	2-1
	STB BODY OD	FT.	NOZ. SIZE	15-13
	SUBS OD	9.57 FT.	SER. NO	93332
	BIT OR C.B.	FT.	DEPTH OUT	7315
		FT.	CUMULATIVE HOURS RUN	16¼
	KELLY DOWN	35.00 FT.	COND. OF BIT	
	TOTAL	7315 FT.	REAMER CUTTER NO.	
	WT. OF STRING	158M LBS.	TYPE	

DRILLER: Glenn Keenan

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
			7315		—	—	1000	6"	48			

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

REMARKS

1 — 20 Std Dummy Trip — 4:00 — 5:00
¼ — Circ Wait on logging truck. — 5:00 — 9:00
3 — Trip Sample pipe — 9:00 — 12:00

Log truck promised for Jan 27 4pm. unable to get Hold of truck till 7:00 pm when broken Boiler 8 HRS

5¾ hrs waiting time on Schlumberger

MUD RECORD	TIME	6:00	8:00	10:00
	WEIGHT	9.1	9.2	
	VISC	200	200	
	W.L.-C.C.	5.4	5.4	
	FLTR. CK.	2/32	2/32	
	PH	9.5	11.	
	SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 49 DATE JAN 26/68

OPERATOR: SHELL CANADA LIMITED | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: Shell TROUT LAKE | No. 0-41 | PROVINCE: N.W.T.

CONTRACTOR: NABOR Drilling | RIG No. 19 | DRILL PIPE STRING NO. SIZE | TOOL JOINT OD TYPE TUB. #30 FH

OPERATOR'S REPRESENTATIVE: K Lewis | CONTRACTOR'S TOOL PUSHER: L Pawelek

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	C-220	15
2.	NAT.	C-220	15
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
20"	36-53	0	82				

TIME DISTRIBUTION—HOURS

	NOON	DAY	EVE.
DRILLING ACTUAL	1½	5½	3½
REAMING	6		
CIRCULATING			
TRIPS	½	2½	3½
DEVIATION SURVEY			
TEST B.O.P		¼	¼
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)
CONTRACTOR'S TIME HRS:
OPERATOR'S TIME:
HRS. W/D.P:
HRS WO/D.P:
HRS STANDBY

WIRE LINE RECORD
REEL NO
NO OF LINES SIZE
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. OF TRIPS SINCE LAST CUT
CUMULATIVE TON MI. OF TRIPS
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	682.35 FT.	RUN NO.	22
	SNGLS. DP	62.75 FT.	SIZE	8¾
	D.C. ID / OD	658.98 FT.	MFG.	H-W
	RMR BODY OD	FT.	TYPE	WDR-5
	STB BODY OD	FT.	NOZ. NO.	2 1
	SUBS OD	9.27 FT.	NOZ. SIZE	5 13
	BIT OR C.B.	FT.	SER. NO	88709
		FT.	DEPTH OUT	7255
	KELLY DOWN	38 FT.	CUMULATIVE HOURS RUN	1½
	TOTAL	7255.5 FT.	COND. OF BIT	6
	WT. OF STRING	158 M LBS.	REAMER CUTTER NO.	
	DRILLER		TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
1½		7253	7255		36		900	6				5

DEVIATION RECORD:

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

REMARKS: Clean Bridges From 6300 To Bottom. Bailer 2 hrs
6550 ½° @ 5½
5° @ 5°° Run hole
5°° @ 6°° Clean To Bottom
6°° @ 8°° Drilling

MUD RECORD

TIME	7.00
WEIGHT	9.1
VISC	95
W.L.-C.C.	5.4
FLTR. CK.	2/32
PH	
SD. CONT.	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	10 sacks		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
2H	STANDS DP	6580.49 FT.	RUN NO.	22
	SNGLS. DP	— FT.	SIZE	8¾
22	D.C. 7 7/8 ID / 6¼ OD	658.98 FT.	MFG.	H-W
	RMR BODY OD	FT.	TYPE	WDR-5
	STB BODY OD	FT.	NOZ. NO.	2-1
	SUBS OD	9.27 FT.	NOZ. SIZE	5-13
	BIT OR C.B.	FT.	SER. NO.	88709
		FT.	DEPTH OUT	7266
	KELLY DOWN	1400 FT.	CUMULATIVE HOURS RUN	6¾
	TOTAL	7266. FT.	COND. OF BIT	Comp. out.
	WT. OF STRING	158.000 LBS.	REAMER CUTTER NO.	8-2-0
	DRILLER		TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
5¼		7255	7266	T.H	56	45	12°°	6"	52			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7117	2½							

REMARKS: 11 d 2, 5, 6 Hydril 8°° - 8¼ Bailer 8 hrs.
¼ Drilling 8½ - 12°
2½ Hoist For new Bit 12° - 4°°

MUD RECORD

	10	12	2
TIME			
WEIGHT	8.9	8.9	9.0
VISC	110	105	225
W.L.-C.C.	5.6	5.6	5.6
FLTR. CK.	2/32	2/32	2/32
PH	8.0	8.7	8.7
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	500#		
Caustic	300#		
WATER			

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	6580.49 FT.	RUN NO.	23
	SNGLS. DP	FT.	SIZE	8¾
23	D.C. 7 7/8 ID / 6¼ OD	658.86 FT.	MFG.	H-W
	RMR BODY OD	FT.	TYPE	HP53
	STB BODY OD	FT.	NOZ. NO.	2-1
	SUBS OD	9.27 FT.	NOZ. SIZE	5-13
	BIT OR C.B.	FT.	SER. NO	93222
		FT.	DEPTH OUT	7280
	KELLY DOWN	3200 FT.	CUMULATIVE HOURS RUN	
	TOTAL	7280.00 FT.	COND. OF BIT	
	WT. OF STRING	158.000 LBS.	REAMER CUTTER NO.	
	DRILLER		TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
3¼		7266	7280		32	40	900	6"	60			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS:
1 ¼ TRIP OUT — 4°° 3°15
¼ Rig Serv Blind Rams — 3°15 - 3°30
2½ Rig Hoist — 3°30 8°°
¼ Brake Circ — 8°° 8°5
3¾ Drlg — 8°5 - 12°°

MUD RECORD

TIME	1000
WEIGHT	9.0
VISC	155
W.L.-C.C.	5.4
FLTR. CK.	2/32
PH	8.7
SD. CONT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000#		

C.P.—36 (10/63) **DAILY DRILLING REPORT** REPORT NO. 48 DATE JAN. 25/68

OPERATOR: SHELL CANADA LIMITED | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: SHELL TROUT LAKE | No. 0-41 | PROVINCE: N.W.T.

CONTRACTOR: NABORS DRLG. | RIG No. 10 | DRILL PIPE STRING NO. SIZE | TOOL JOINT OD TYPE 5½ THD. XH

OPERATOR'S REPRESENTATIVE | CONTRACTOR'S TOOL PUSHER: James Laurila

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	C-250	15
2.	NAT	C-250	15
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
5½	36-55	0	870				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7¾	7¾	8¼
REAMING			
CIRCULATING			¼
TRIPS			6¾
DEVIATION SURVEY			
TEST B.O.P	¼	¼	
CUT OFF DRILL LINE			
REPAIR RIG			¼
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
(Q) PERFORATING			
(R) RUNNING TUBING			
(C) STRAPPING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS. 24

OPERATOR'S TIME:

HRS. W/D.P.:

HRS W/O D.P.:

HRS STANDBY

WIRE LINE RECORD

REEL NO.

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MIL. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
70	STANDS DP	6486.34 FT.	RUN NO.	21
0	SNGLS. DP	627.5 FT.	SIZE	8¾
22	D.C. 2¾ ID 6¼ OD	658.59 FT.	MFG.	H.W.
	RMR BODY OD	FT.	TYPE	RG7X5
	STB BODY OD	FT.	NOZ. NO. SIZE	4-1 15-13
	SUBS OD	957 FT.	SER. NO	94199
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	9¼
	KELLY DOWN	26 FT.	COND. OF BIT	RUN
	TOTAL	7243 FT.	REAMER CUTTER NO.	
	WT. OF STRING	135000 LBS.	TYPE	

DRILLER: L. Shannon

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7¾		7223	7243	T.H.	35	45	500			9½	64	
							925	1"	52			

DEVIATION RECORD: DEPTH 7117 DEV. 2½ | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

REMARKS: Boiler 8 HRS.

1½ Drill 12³⁰ - 1³⁰
¼ R.S. Hydril 1³⁰ - 1⁴⁵
6¼ Drill 1⁴⁵ - 8³⁰

MUD RECORD	TIME			
	TIME	2³⁰	4³⁰	6³⁰
	WEIGHT	8.9	8.9	8.9
	VISC	80	84	68
	W.L.C.C.		6.0	6.0
	FLTR. CK.		2/32	2/32
	PH		10.0	10.0
	SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	45 SKS		
CMC	2 SXS	Barite	6 SXS
Hi-Cal	4 SXS	Volume	
Caustic	2 SXS		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
70	STANDS DP	6486.34 FT.	RUN NO.	21
0	SNGLS. DP	627.5 FT.	SIZE	8¾
22	D.C. 2¾ ID 6¼ OD	658.88 FT.	MFG.	H.W.
	RMR BODY OD	FT.	TYPE	RG7X5
	STB BODY OD	FT.	NOZ. NO. SIZE	2-1 15-13
	SUBS OD	957 FT.	SER. NO.	94199
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	17
	KELLY DOWN	3500 FT.	COND. OF BIT	2nd
	TOTAL	7252 FT.	REAMER CUTTER NO.	
	WT. OF STRING	156000 LBS.	TYPE	

DRILLER: L. Shannon

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7¾		7243	7252	T.H.	35	45	825	6	52			

DEVIATION RECORD: DEPTH 7117 DEV. 2½ | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

REMARKS: Boiler 8 HRS.

4½ Drill 8³⁰ — 12³⁰
½ R.S. CK Hydril 12³⁰ - 12⁴⁵
3¼ Drill 12⁴⁵ — 4³⁰

MUD RECORD	TIME			
	TIME	10³⁰	12³⁰	2³⁰
	WEIGHT	90	90	90
	VISC	70	180	110
	W.L.C.C.	5.8	5.2	4.8
	FLTR. CK.	2/32	2/32	2/32
	PH	8.5	8.5	8.5
	SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WATER	[redacted]		
GEL	60 SKS		
CAUSTIC	200#		

NO.	DRILLING ASSEMBLY		BIT RECORD		
70	STANDS DP	6486.34	RUN NO.	21	22
0	SNGLS. DP	627.5 FT.	SIZE	8¾	8¾
22	D.C. ID		MFG.	H.W.	H.W.
	OD	658.88 FT.	TYPE	RG7X5	RG7X5
	RMR BODY OD	FT.	NOZ. NO.	2-1	2-1
	STB BODY OD	FT.	SIZE	15-13	15-13
	SUBS OD	957 FT.	SER. NO	94199	88208
	BIT OR C.B.	FT.	DEPTH OUT	7117	
		FT.	CUMULATIVE HOURS RUN	7253	
	KELLY DOWN	36.00 FT.	COND. OF BIT	1¾	
	TOTAL	72 3 FT.	REAMER CUTTER NO.	4-2-1	
	WT OF STRING	LBS.	TYPE		

DRILLER: L. Shannon

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
¾		7252	7253									

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

REMARKS: 400 4/45

¾ DRLG
Trip out Hole tight pumped out
4½ Strap pipe
¼ Rig Test Blind Rams
3¼ Trip in
Break circ 10 stds off Bit Bridged 9/45 12⁰⁰
Boiler 8 HRS

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P. 3B (10/63) **DAILY DRILLING REPORT** REPORT NO. 18 DATE Jan 29/68

OPERATOR: SHELL CANADA LIMITED | LOCATION LSD. SEC. TWP. RGE W. | WELL NAME: Bootleg Lake No. 2-41 | PROVINCE: N.W.T.

CONTRACTOR: Moors Dale RIG No. 10 | DRILL PIPE STRING NO. SIZE | TOOL JOINT OD TYPE THD 4½ H-90

OPERATOR'S REPRESENTATIVE: R.D. | CONTRACTOR'S TOOL PUSHER: Frank Krause

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	C250	18
2.	NAT	C250	15
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	36	0	870				

TIME DISTRIBUTION—HOURS

	WORK	DAY	EVE
DRILLING ACTUAL			1½
REAMING			2¾
CIRCULATING	A		
TRIPS	1	2½	2½
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG			¼
CORING			
WIRE LINE LOGGING			
OTHER	2	5½	1
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: ½

OPERATOR'S TIME: 22½

HRS. W/D.P: 16¾ @ 7735 = 1298 ft

HRS WO/D.P: 5¼ @ 3595 = 4302 ft

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD 40

CUMULATIVE ROTATING HRS. 360

MORNING TOUR

NO.	DRILLING ASSEMBLY	FT.
	STANDS DP	FT.
	SNGLS. DP	FT.
	D.C. ID	
	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.

DRILLER: [illegible]

BIT RECORD

RUN NO.
SIZE
MFG.
TYPE
NOZ. NO.
NOZ. SIZE
SER. NO
DEPTH OUT
CUMULATIVE HOURS RUN
COND. OF BIT
REAMER CUTTER NO.
TYPE

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
							600	6"	64			

DEVIATION RECORD:

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

REMARKS

1 TRY TO REVERSE Circ 400 1000
pick up Kelly DRAIN Circ 100
pump out Drilling Contractor Mud
2 LOST 10% DRL Drilling Mud 300
¼ Circ Cond Mud 300 700
1 Trip out 700 800

MUD RECORD

TIME	400	600
WEIGHT	8.8	8.8
VISC	95	75
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

Supercol 1000#
Viscpol 2000#
CMC 450#
Caustic 550#

DAY TOUR

NO.	DRILLING ASSEMBLY	FT.
	STANDS DP	FT.
	SNGLS. DP	FT.
	D.C. ID	
	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.

DRILLER: L. Shannon

BIT RECORD

RUN NO. 21
SIZE 7 3/4
MFG. Hwd
TYPE R-7 J-55
NOZ. NO. 3-1
NOZ. SIZE 15-12
SER. NO. 94199
DEPTH OUT
CUMULATIVE HOURS RUN
COND. OF BIT
REAMER CUTTER NO.
TYPE

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		[illegible]		T.H.								

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7117	2½							

REMARKS 8:00 – 10:30

2½ Finish out w/ TEST. Break + lay Down Tools on. 10:30 Boiler Rig.
3½ Rig Floor wash + load out Some. 2:00
Pick up Bit + Running in Collars Loading +
2 Look For 1" Pipe in Collars. Found Some 2:00 – 4:00
1" Pipe in Collars Washed To open Valve
¾ Bit Trip Didn't make it all the way To
Pump out Sub

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY	FT.
	STANDS DP 45 1287	FT.
	SNGLS. DP [illegible]	FT.
	D.C. ID	
	D.C. OD 6 7/8 x 2 7/8	FT.
	RMR BODY OD	FT.
	STB BODY OD	FT.
	SUBS OD 9 7/8	FT.
	BIT OR C.B.	FT.
		FT.
	KELLY DOWN 32 0½	FT.
	TOTAL 7223	FT.
	WT OF STRING	LBS.

DRILLER: Alvin Kisar

BIT RECORD

RUN NO. 31
SIZE 7 3/4
MFG. Hwd
TYPE R67X
NOZ. NO. 3
NOZ. SIZE 3 1/2 - 1/8
SER NO 94199
DEPTH OUT
CUMULATIVE HOURS RUN
COND. OF BIT
REAMER CUTTER NO.
TYPE

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
1½		7216	7223		32	45	700	6"	64			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS 400 4:15

¼ Rig SOR 4:15 4:45
2½ Trip in
1 Bit plugged TRY To unplug Bit 6:45 7:15
2¾ Circ out Baidgoo + Ctc To Set @ 7000' 7:15 10:30
1½ Drlg 10:30 1700

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.-38 (10/68)

DAILY DRILLING REPORT

REPORT NO. 46 DATE Jan 23/69

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED						Shell Taqut Lk	O-41	NWT

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	OD
Nabors	10	4½	TYPE THD.	4½ XH

OPERATOR'S REPRESENTATIVE: R. J.

CONTRACTOR'S TOOL PUSHER: Frank Kemp

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	C-350	15
2.	NAT	C-250	"
3.			

CASING & LINER RECORD	SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
	9⅝	36 S	0	570				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING			
TRIPS	3½	4¼	3
DEVIATION SURVEY			
TEST B.O.P	¼	¼	
CUT OFF DRILL LINE			
REPAIR RIG			
BORING			
WIRE LINE LOGGING			
OTHER	4½	4½	5
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING		¼	
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 24

OPERATOR'S TIME: 24

HRS. W/D.P: 18½ + 5½ = 24

1511½

HRS W/O D.P: 4½ + 19 = 23½

337½

HRS STANDBY:

WIRE LINE RECORD

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

NO. OF DAYS FROM SPUD: 39

CUMULATIVE ROTATING HRS. 358½

MORNING TOUR

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

DRILLER: E. Shannon

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

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

REMARKS

2½ Finish out 1200 - Test Bit Sent off - 0 @ 2:15-2:30

4½ Make up Reamer DS Test Tool Pick up. 2:30 7:00

Trip in Slowly with Test Tool Mix 30# Caustic

1 w/ Corbal - 7:30

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

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

DRILLER: E. Shannon

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7117	2½							

REMARKS

¼ Rig Service Hydril 8:00 - 8:15

2 Finish in (Show) 8:15 - 10:15

¼ Head up 10:15 - 10:30

2½ Testing 10:30 - 1:00

½ Pull Test Tool Loose 10 - 10:30

1 Pull 6 Stds Salt Water Flowing over B.O.P 10:30 - 12:30

1¼ Try To Circulate Could Not 12:30 - 3:00

¼ Hoseing Using Plugs 3:45 - 4:00

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

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

DRILLER: E. Shannon

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
			7216									

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

1½ Pull out of D.S.T. w/ Plugs 4:00 5:30

~~[illegible]~~

3½ Wait on Weather - Attempt to Circ

1½ Pull Back to Bit - pump Corbal in Hibitor 10:00 10:30

¼ Set Tool to open Bottom Circ 10:30 10:45

1¼ Hoseing to Reamers Circ 10:45 12:00

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P. 28 (10/63) **DAILY DRILLING REPORT** REPORT NO. 45 DATE JAN 22/68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED						SHELL TROUT LK G	04	

CONTRACTOR: NABORS — RIG No. 10 — DRILL PIPE STRING NO. SIZE 4½ — TOOL JOINT 6 OD — TYPE THD. H90

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

PUMPS

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

CASING & LINER RECORD

	SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
	9⅝	36 5	0	870				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL		4	4½
REAMING			
CIRCULATING		¼	¼
TRIPS	5¼	5	2½
DEVIATION SURVEY			
TEST B.O.P	¼	¼	¼
CUT OFF DRILL LINE	1		
REPAIR RIG		¼	
CORING			
WIRE LINE LOGGING			
OTHER	½	¼	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	7	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/O.D.P: 3½ @ 77½ = 261.5

HRS W/O D.P: 3¼ @ 75 = 243.75

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD 38

CUMULATIVE ROTATING HRS. 353½

MORNING TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD	
	STANDS DP	6354.30		RUN NO.	20
	SNGLS. DP	6046	FT.	SIZE	8¾
	D.C. ID			MFG.	HW
	D.C. OD	688.78	FT.	TYPE	[illegible]DR
	RMR BODY OD		FT.	NOZ. NO.	3
	STB BODY OD	[illegible]	FT.	NOZ. SIZE	15 15 15
	SUBS OD	1168	FT.	SER. NO	88710
	BIT OR C.B.		FT.	DEPTH OUT	
			FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	36	FT.	COND. OF BIT	
	TOTAL	7191	FT.	REAMER CUTTER NO.	
	WT. OF STRING		LBS.	TYPE	

DRILLER: R. LaCroix

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2½		12:00	2:30	TRIP OUT + DOUBLE STRAP PIPE								
¼				Rig Serv + Blind Rams 2:30 - 2:45								
1				Slip & Cut 60 ft Drlg line 2:45 - 3:45 - 1								
3¼				Wait on Tester 3:45 7:00								
¼				P.U. Junksub + Make up same T.S. - 7:15								
¾				TRIP in T.S. - 8:00								

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

REMARKS

MUD RECORD

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

MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD	
	STANDS DP	6486.34	FT.	RUN NO.	20
	SNGLS. DP		FT.	SIZE	8¾
23	D.C. ID 2 7/8			MFG.	H.W
	D.C. OD 6¼	688.78	FT.	TYPE	40 DR
	RMR BODY OD		FT.	NOZ. NO.	2 - 1
	STB BODY OD		FT.	NOZ. SIZE	15 - 15
	SUBS OD	1168.	FT.	SER. NO.	88710
	BIT OR C.B.		FT.	DEPTH OUT	7203
			FT.	CUMULATIVE HOURS RUN	4
	KELLY DOWN	1500.	FT.	COND. OF BIT	Run
	TOTAL	7203.	FT.	REAMER CUTTER NO.	
	WT. OF STRING	150,000	LBS.	TYPE	

DRILLER: [illegible]

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW. CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
4		7191	7203	T.H.	[illegible]	44	750	6"	64			

DEVIATION RECORD: DEPTH 7117 | DEV. ½ | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

REMARKS

¼ R.S. - Hydril + (Crown Stopper) 8:00 - 8:15
3 Run in w/ T/ sub 8:15 - 11:15
¼ Break Circ. - No Fill 11:15 - 11:30
¼ Work on #2 pump mud lines. 11:30 - 11:45
¼ Work T/ sub 11:45 - 12:00
4 Drilling 12:00 - 4:00

Boiler 8 Hrs.

MUD RECORD

TIME	12:00
WEIGHT	
VISC	200
W.L.-C.C.	5.6
FLTR. CK.	9132
PH	8.
SD. CONT.	

MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD	
20	STANDS DP	6686.34	FT.	RUN NO	20
	SNGLS. DP		FT.	SIZE	8¾
23	D.C. ID 2 7/8			MFG.	H.W
	D.C. OD 6 1/16	688.78	FT.	TYPE	40DR
	RMR BODY OD		FT.	NOZ. NO.	3
	STB BODY OD		FT.	NOZ. SIZE	15 15 15
	SUBS OD	1168	FT.	SER NO	88710
	BIT OR C.B.		FT	DEPTH OUT	7216
			FT.	CUMULATIVE HOURS RUN	13
	KELLY DOWN	3000	FT.	COND. OF BIT	
	TOTAL	7216.00		REAMER CUTTER NO.	
	WT OF STRING		LBS.	TYPE	

DRILLER: A. Kiernan

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
4¼		7203	7216	13	53	45	900	6"	62			

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

REMARKS

¼ Rig Strs ✓ ½ Rams 4:00 4:15
4¼ Drlg 4:15 8:30
1¼ Circ to Test - Circ Sample 8:30 9:45
2¼ Trip out 9:45 12:00

Boiler 8 Hrs

MUD RECORD

TIME	4:00	6:00	[illegible]
WEIGHT	[illegible]	[illegible]	9.4
VISC	130	135	[illegible]
W.L.-C.C.	5.0	5.4	5.4
FLTR. CK.	3/32	3/32	9132
PH	8.0	8.0	8
SD. CONT	Due to Air in mud under Test		

MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT.

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 93 DATE JAN 21/68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED						SHELL TROUT LK	O-41	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	TYPE THD.
NABORS	10		6 OD	XH H90

OPERATOR'S REPRESENTATIVE: [illegible] CONTRACTOR'S TOOL PUSHER: Frank Kemp

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	C 250	15
2.	NAT	C 250	
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9 5/8	36 J	0	870				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	3 3/4	7 3/4	4 3/4
REAMING			
CIRCULATING			1
TRIPS	3 3/4		2
DEVIATION SURVEY			
TEST B.O.P.	1/4	1/4	1/4
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER	1/4		
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	9	8	7

TIME SUMMARY (OFFICE USE ONLY)
CONTRACTOR'S TIME HRS: 23
OPERATOR'S TIME:
HRS. W/D.P: 1
HRS WO/D.P:
HRS STANDBY

WIRE LINE RECORD

REEL NO
NO OF RUNS 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 37
CUMULATIVE ROTATING HRS. 350 1/4

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
69	STANDS DP	6394.30 FT.	RUN NO.	18	19
1	SNGLS. DP	31.61 FT.	SIZE	3 3/4	8 3/4
23	D.C. 2 1/2 ID 6 1/4 OD	688.76 FT.	MFG.	NW	HW
	RMR BODY OD	FT.	TYPE	WT	V55R
	STB BODY OD	FT.	NOZ. NO.	3 x 1	
	SUBS OD	95.7 FT.	NOZ. SIZE	15 13	15 13
	BIT OR C.B.	FT.	SER. NO	88165	92742
		FT.	DEPTH OUT	7131	
	KELLY DOWN	24 FT.	CUMULATIVE HOURS RUN	3 1/2	3 3/4 Run
	TOTAL	7155 FT.	COND. OF BIT	4-4	
WT. OF STRING	160,000 LBS.		REAMER CUTTER NO.		
DRILLER	P. LaRose		TYPE		

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
3 3/4		7131	7155		40	45	900	6"	52			

DEVIATION RECORD: DEPTH 7117 DEV. 2 1/2 DIRECTION

REMARKS

3/4 Trip out w/ BJ 12:00
1/4 Rig service Boops 12:45 - 1:00
3 Trip in w/ Bit 1:00 - 4:00
1/4 Pickup Kelly & Break Circ 4:00 - 4:15
3 1/2 Drilling 8 3/4 Hole 4:15 - 8:00

MUD RECORD

TIME			6:00
WEIGHT			9.1
VISC			230
W.L.-C.C.			6/1
FLTR. CK.		2	3/32
PH			8
SD. CONT.			trace

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
69	STANDS DP	6394.30 FT.	RUN NO.	19
2	SNGLS. DP	60.46 FT.	SIZE	8 3/4
23	D.C. 2 1/2 ID 6 1/4 OD	688.76 FT.	MFG.	HW
	RMR BODY OD	FT.	TYPE	V55R
	STB BODY OD	FT.	NOZ. NO.	3-1
	SUBS OD	95.7 FT.	NOZ. SIZE	15-13
	BIT OR C.B.	FT.	SER. NO.	92742
		FT.	DEPTH OUT	Run
	KELLY DOWN	24.00 FT.	CUMULATIVE HOURS RUN	11 3/4
	TOTAL	7180 FT.	COND. OF BIT	Run
WT. OF STRING	160,000 LBS.		REAMER CUTTER NO.	
DRILLER	S. Shannon		TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7 3/4		7155	7180		40	45	800	6"	56			

DEVIATION RECORD: DEPTH 7117 DEV. 2 1/2 DIRECTION

REMARKS

2 3/4 Drilling 8:00 - 10:45 Boiler Hrs
Rig service, service swivel Kelly Cock
1/4 motor shut offs, + hydril w/ Remote Control 10:45 - 11:00
5 Drilling 11:00 - 4:00
Desilter Discharge 10.1
Desilter Return 9.2
Desilter 2 Hrs.

MUD RECORD

TIME	12:00	12:00	4:00
WEIGHT	8.9	8.9	9.0
VISC	80	90	100
W.L.-C.C.	5.6	5.6	5.0
FLTR. CK.	2/32	2/32	2/32
PH	8.0	8.0	8.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WATER		CMC	50#
Gel.	1000#	DIESEL	5 Bbl.
P. Mase	300#		
Attosol	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	6394.30 FT.	RUN NO	19
	SNGLS. DP	60.46 FT.	SIZE	8 3/4
	D.C. ID OD	FT.	MFG.	HW
	RMR BODY OD	FT.	TYPE	V55R
	STB. BODY OD	FT.	NOZ. NO.	3
	SUBS OD	9.57 FT.	NOZ. SIZE	15/15/12
	BIT OR C.B.	FT.	SER NO	92780
		FT.	DEPTH OUT	7191
	KELLY DOWN	38.00 FT.	CUMULATIVE HOURS RUN	16 1/4
	TOTAL	7191 FT.	COND. OF BIT	4-4-1
WT OF STRING	160,000 LBS.		REAMER CUTTER NO.	
DRILLER	A. Kivi		TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
4 3/4		7180	7191	11	40	45	800	6"	56			

DEVIATION RECORD: DEPTH DEV. DIRECTION

REMARKS

1/4 Rig Ser & Hydrill 4:00 4:15
4 3/4 Drlg 4:15 8:00
1 Circ Sample 9:00 10:00
2 Trip out 10:00 12:00

Boiler 8 Hrs
Desilter 8 Hrs

MUD RECORD

TIME	4:00	6.00	8.00
WEIGHT	8.9	9.0	9.0
VISC	85	105	115
W.L.-C.C.	5.8	5.4	5.4
FLTR. CK.	2/32	2/32	2/32
PH	8.0	8.0	8.0
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
[redacted]		[redacted]	
Gel.	2400#	[redacted]	
[redacted]			

C.P. 28 (10/63) **DAILY DRILLING REPORT** REPORT NO. 13 DATE Jan 20/68

OPERATOR: SHELL CANADA LIMITED | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: Shell Rainbow Lake No. 4-41 | PROVINCE: Alta

CONTRACTOR: Nabors Drlg | RIG No. 9 | DRILL PIPE STRING NO. SIZE | TOOL JOINT 6" OD, TYPE THD XH

OPERATOR'S REPRESENTATIVE: [illegible] | CONTRACTOR'S TOOL PUSHER: Frank Brenup

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.			
2.	NAT	C250	12"
3.	NAT	C250	12"

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	36.00	0	870				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7½	1	2½
REAMING			
CIRCULATING			2½
TRIPS	¼	1½	3
DEVIATION SURVEY			
TEST B.O.P	¼	½	1¼
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER		½	
FISHING			
COMPLETING (A) PERFORATING			
(B) [illegible] TUBING			
(C) [illegible]			
(D) [illegible]			
(E) [illegible]			
(F) [illegible]			
TOTALS	9	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 21¾

OPERATOR'S TIME:

HRS. W/D.P: 2¼

HRS W/O D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD 36

CUMULATIVE ROTATING HRS. 334

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP 6	330.70 FT.	RUN NO.	7
	SNGLS. DP	FT.	SIZE	8¾
	D.C. 2 7/8 ID		MFG.	Hyd
23	6 1/4 OD	688.78 FT.	TYPE	Hyd
	RMR BODY OD	FT.	NO.	4207
	STB BODY OD	FT.	NOZ. SIZE	3
	SUBS OD	FT.	SER. NO	103465
	BIT OR C.S.	9.57 FT.	DEPTH OUT	2220
		FT.	CUMULATIVE HOURS RUN	19¾
	KELLY DOWN	37.00 FT.	COND. OF BIT	3-12
	TOTAL	715 FT.	REAMER CUTTER NO.	
	WT. OF STRING	160 000 LBS.	TYPE	

DRILLER: L Kinion

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1500#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7½		7050	7119	69'	60	45	1200	6"	63			

DEVIATION RECORD:

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

REMARKS

¼ Rig Serv ✓ 4½ Brks 1230 1215
7½ Drlg 1215 745
¼ Trip 745 800

Boiler 8 Hrs

MUD RECORD

TIME	200	400	6.00
WEIGHT	9.8	9.9	8.9
VISC	260	240	280
W.L.-C.C.	3.6	3.8	4.2
FLTR. CK.	2/32	2/32	2/32
PH	8	8	8
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Mixed Mag.	1000		
CMC.	200		
Diesel Fuel	40 BBLS		
Attagel	4 BAGS		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP 6	394 FT.	RUN NO.	16
	SNGLS. DP	FT.	SIZE	8¾
	D.C. 2 7/8 ID		MFG.	Hyd
23	6¼ OD	688.78 FT.	TYPE	J33
	RMR BODY OD	FT.	NO.	2 1
	STB BODY OD	FT.	NOZ. SIZE	15 13
	SUBS OD	9.57 FT.	SER. NO.	88165
	BIT OR C.S.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	1
	KELLY DOWN	37 FT.	COND. OF BIT	Run
	TOTAL	719 FT.	REAMER CUTTER NO.	
	WT. OF STRING	160 000 LBS.	TYPE	

DRILLER: R. Belanger

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
1		7119	7125		55	30						

DEVIATION RECORD:

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

REMARKS

3½ Trip out - 8⁰⁰ - 11³⁰ 3½
¼ Rig Serv & BOPs 11³⁰ - 11⁴⁵
3 Trip in 11⁴⁵ - 2⁴⁵
¼ Dick up Kelly + Brk Circ
1 Drlg 5¾ Hole

MUD RECORD

TIME			
WEIGHT			
VISC			
W.L.-C.C.	18	11	
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP 6	594 FT.	RUN NO.	18
	SNGLS. DP	FT	SIZE	8¾
	D.C. 2 7/8 ID		MFG.	Hyd
23	6¼ OD	688.78 FT.	TYPE	J33
	RMR BODY OD	FT.	NO.	2-1
	STB BODY OD	FT.	NOZ. SIZE	15-13
	SUBS OD	9.57 FT.	SER NO	88165
	BIT OR C.S.	FT	DEPTH OUT	7131
		FT.	CUMULATIVE HOURS RUN	5½
	KELLY DOWN	39.00 FT.	COND. OF BIT	2-1-1
	TOTAL	7131 FT.	REAMER CUTTER NO.	
	WT OF STRING	160 000 LBS.	TYPE	

DRILLER: L Shannon

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2½		7125	7131	T.H	56	50	1400	6"	68			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
6867	2½							

REMARKS

2½ Drlg To 7131 - 4⁰⁰ - 6³⁰ Boiler Rpr
2¼ Circ. Sample By Request of Geo. 6³⁰ - 8⁴⁵ KBM.
¼ R.S. ck Hydril - Survey 7117 8⁴⁵ - 9⁰⁰.
3 Trip Out. 9⁰⁰ - 12⁰⁰.

MUD RECORD

TIME	600	800	
WEIGHT	9.0	9.0	
VISC	200	160	
W.L.-C.C.	5.8	5.4	
FLTR. CK.	2/32	2/32	
PH	8	8	
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Water			

C.P. 36 (10/63)

DAILY DRILLING REPORT

REPORT NO. 42 DATE JAN 19/68

OPERATOR: SHELL CANADA LIMITED

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: Shell Trout Lake No. 2-41

PROVINCE: N.W.T.

CONTRACTOR: RIG No.

DRILL PIPE STRING NO. SIZE

TOOL JOINT 6" OD

TYPE THD. XH HI-HO

OPERATOR'S REPRESENTATIVE: Laborde Dale

CONTRACTOR'S TOOL PUSHER: Jack Kemp

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Wirt	C220	12"
2.			
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
7⅝	26.4#	0	870				

TIME DISTRIBUTION — HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7		5½
REAMING			
CIRCULATING			½
TRIPS		6	1½
DEVIATION SURVEY	1/6		
TEST B.O.P	¼		¼
CUT OFF DRILL LINE			
REPAIR RIG	1/6	½	
CORING			
WIRE LINE LOGGING			
OTHER			1½
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS W.O/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD 35

CUMULATIVE ROTATING HRS. 323

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	6208.32 FT.	RUN NO.	16
	SNGLS. DP	31.21 FT.	SIZE	9 3/4
24	D.C. 6 1/2 2 1/16	718.39	MFG.	H.W
	RMR BODY OD	FT.	TYPE	X-3
	STB BODY OD	FT.	NOZ. NO.	3
	SUBS OD	4.37 FT.	SIZE	12
	BIT OR C.S.	FT.	SER. NO	KH016
		FT.	DEPTH OUT	6987
	KELLY DOWN	35.00 FT.	CUMULATIVE HOURS RUN	53½
	TOTAL	6987 FT.	COND. OF BIT	
	WT. OF STRING	160 000 LBS.	REAMER CUTTER NO.	
	DRILLER		TYPE	

R. Kerr

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7		6926	6987		55	45	1000	6"	53			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
			1000					

REMARKS

¼ Trip Seal Hydril 12:00 12:15
¾ Drill 12:15 1:00
½ Work on Air Lines 1:00 1:30
6¼ Drlg 1:30 7:45
¼ Survey 7:45 8:00

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	9.2	9.3	9.1
VISC	310	205	180
W.L.-C.C.	5	5.6	5.8
FLTR. CK.	2/32	2/32	2/32
PH	8	8	8
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	20 sks		
Barite	20 sks		
Diesel	40 Bbls		
Aloset & DO			

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	17
	SNGLS. DP	FT.	SIZE	8¾
	D.C. ID		MFG.	HW
	D.C. OD	FT.	TYPE	HDT
	RMR BODY OD	FT.	NOZ. NO.	3/1
	STB BODY OD	FT.	SIZE	13 15
	SUBS OD	FT.	SER. NO.	91788
	BIT OR C.S.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	—
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	
	DRILLER			

R. Kerr

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

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

REMARKS

½ Thaw fill line + Work on Derrick Lights
4 Trip out - Strap pipe T 36 - 12 3/4 5:30
1½ Break + Lay Down ☐ Collar 12:30 2:00
2 Pick up Bit-Sub & Trip in 2:00 - 4:00

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
48	STANDS DP	6300.75 FT.	RUN NO	17
1	SNGLS. DP	30.60 FT.	SIZE	8¾
23	D.C. 7¾ ID 6¼ OD	682.78 FT.	MFG.	H.W.
			TYPE	HDT-D-7
	RMR BODY OD	FT.	NOZ. NO.	2-1
	STB BODY OD	FT.	SIZE	13-15
	SUBS OD	9.57 FT.	SER NO	91788
	BIT OR C.S.	FT	DEPTH OUT	Run
		FT.	CUMULATIVE HOURS RUN	5¾
	KELLY DOWN	21.00 FT.	COND. OF BIT	2 wt
	TOTAL	7050 FT.	REAMER CUTTER NO.	
	WT. OF STRING	156,000 LBS.	TYPE	
	DRILLER			

L. Shannon.

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
5¾		6987	7050	T.H.	60	45	1300			5½	66	
					56	45	1200	6"	66			
					60	45	1100	6"				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
6987	2¾							

REMARKS

1 Run in To 5953 4:00 - 5:00
½ Break Circ 5:00 - 5:30 Boiler Brks
½ Finish Run in To 6987 (No Fill) 5:30 - 6:00
¼ R.S. Ck. Hydril 6:00 - 6:15
5¾ Drilling 6:15 - 12:00

MUD RECORD

TIME		6:00	10:00
WEIGHT			
VISC		240	240
W.L.-C.C.		3.6	3.6
FLTR. CK.		2/32	2/32
PH		8	8
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Water			

C.P.-30 (10/63)

DAILY DRILLING REPORT

REPORT NO. 41 DATE Jan 18/68

OPERATOR: SHELL CANADA LIMITED

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: Shell Trout Lake No. A-41

PROVINCE: N.W.T.

CONTRACTOR: Nabors RIG No. 10

DRILL PIPE STRING NO. SIZE: 4½

TOOL JOINT: 6" OD TYPE THD. XH-HW

OPERATOR'S REPRESENTATIVE: R. Q.

CONTRACTOR'S TOOL PUSHER: Jim Pawlek

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Wirth	Cope	15"
2.	"	"	"
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	36 J-55	0	618				

TIME DISTRIBUTION — HOURS

	MIDN	DAY	EVE
DRILLING ACTUAL	3	9¾	11¾
REAMING	¼		
CIRCULATING			
TRIPS			
DEVIATION SURVEY			
TEST B.O.P	½	½	½
CUT OFF DRILL LINE			
REPAIR RIG	¾		
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (a) PERFORATING			
(b) RUNNING TUBING			
(c) SWABBING			
(d) TESTING			
(e) ACIDIZING			
(f) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/O.P:

HRS W/O/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD 34

CUMULATIVE ROTATING HRS. 316¼

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	6020 FT.	RUN NO.	16
	SNGLS. DP	FT.	SIZE	8¾
24	D.C. 2¼ ID 6½ OD	718.30 FT.	MFG.	Hw
	RMR BODY OD	FT.	TYPE	X7
	STB BODY OD	FT.	NOZ. NO.	3
			SIZE	12
2	SUBS OD 4.37	FT.	SER. NO	KX006
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	3
	KELLY DOWN	FT.	COND. OF BIT	Rr
	TOTAL 6770	FT.	REAMER CUTTER NO.	
	WT. OF STRING 150,000	LBS.	TYPE	

DRILLER: John Tanner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
3		6734	6770		56	45	1400			5½	60	5

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

REMARKS

½	Rig Serv & Motor Shut off.	12⁰⁰ - 12¹⁵ - ¼
4¼	Circ. from 6412 To 6734	12¹⁵ - 4³⁰ - 4¼
½	Condition 8¾ Hole	4³⁰ - 5⁰⁰ - ½
½	Repair Mud Line	5⁰⁰ - 5³⁰ - ½
2½	Drilling	5³⁰ - 8⁰¹ - 2½

MUD RECORD

	2⁰⁰	4⁰⁰	6⁰⁰
TIME			
WEIGHT	9.3	9.3	9.3
VISC	105	100	90
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	4444 FT.	RUN NO.	16
	SNGLS. DP	FT.	SIZE	8¾
24	D.C. 2⅜ ID 6½ OD	718.30 FT.	MFG.	HW
	RMR BODY OD	FT.	TYPE	X7
	STB BODY OD	FT.	NOZ. NO.	3
			SIZE	12
	SUBS OD 4.37	FT.	SER. NO.	KX006
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	10¾
	KELLY DOWN 30	FT.	COND. OF BIT	Rr
	TOTAL 6817	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: R. Pearce

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7¾		6770			56	45	1400			5½	60	

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

REMARKS

¼	Rig service, Motor shut off, hyoil, Kelly cock + Pipe Rams	8⁰⁰ - 8¹⁵
7¾	Drill 8¾ Hole	8¹⁵ - 4⁰⁰
¼	Trip	
8 hrs		

MUD RECORD

	10⁰⁰	12⁰⁰	2⁰⁰
TIME			
WEIGHT	9.2	9.3	9.4
VISC	250	250	240
W.L.-C.C.	6.6		
FLTR. CK.	2/32		
PH	8		
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	40 sx	Cmc.	50#
Dr. Tech Magic	1000		
AT Diesel	7 gals		
Diesel	1086		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
16	STANDS DP	6114.93 FT.	RUN NO	16
2	SNGLS. DP	63.12 FT.	SIZE	8¾
24	D.C. 2⅜ ID 6¼ OD	218.13 FT.	MFG.	H.W
	RMR BODY OD	FT.	TYPE	X7
	STB BODY OD	FT.	NOZ. NO.	3
			SIZE	12
	SUBS OD 4.37	FT.	SER NO	KX006
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	18½
	KELLY DOWN 2600.	FT.	COND. OF BIT	Rr
	TOTAL 6926	FT.	REAMER CUTTER NO.	
	WT OF STRING 158,000	LBS.	TYPE	

DRILLER: L. Shannon

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7¾		6862	6926	T.H	50	45	1400	6"		5½	60	

DEVIATION RECORD: DEPTH 6734 | DEV. 1¾ | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

1¼	Drilling	4⁰⁰ - 5¹⁵
¼	Rig Service ck. Hyoil	5¹⁵ - 5²⁰
6½	Drilling	5³⁰ - 12⁰⁰

Bailer = 8 Hrs.

MUD RECORD

	10⁰⁰	4³⁰	10⁰⁰
TIME			
WEIGHT	9.1	9.1	9.0
VISC	94	200	900
W.L.-C.C.	7.1	7.2	4.6
FLTR. CK.	2/32	2/32	2/32
PH	9	9	8
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	2500#		
WATER			
C.M.C.	4 5KS		

C.P.—#8 (10/63) **DAILY DRILLING REPORT** REPORT NO. 40 DATE Jan 17 '68

OPERATOR: SHELL CANADA LIMITED | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: Shell Trout Lake No. 9-41 | PROVINCE: N.W.T.

CONTRACTOR: Vaders | RIG No. 10 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 6" OD TYPE THD. XH-NPO

OPERATOR'S REPRESENTATIVE | CONTRACTOR'S TOOL PUSHER: Tom Cowlick

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	C250	15"
2.	"	"	"
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	36 J55	0	870				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7¾	6¼	
REAMING			1
CIRCULATING		½	
TRIPS		8½	5¼
DEVIATION SURVEY		¼	
TEST B.O.P	¼	¼	¼
CUT OFF DRILL LINE			
REPAIR RIG	3	2¼	
CORING			
WIRE LINE LOGGING			
OTHER		2	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	16	

TIME SUMMARY (OFFICE USE ONLY)
CONTRACTOR'S TIME HRS.
OPERATOR'S TIME:
HRS. W/O D.P.
HRS. W/D.P.
HRS. STANDBY

WIRE LINE RECORD
NO. SIZE
DEPTH
SET SLIPPED
FEET CUT OFF
REMARKS
TOOL
SHOT FROM
TO

NO. OF DAYS FROM SPUD 33
CUMULATIVE ROTATING HRS. 291¾

MORNING TOUR

DRILLING ASSEMBLY

NO.			
44	STANDS DP	5926	FT.
1	SNGLS. DP	31.42	FT.
24	D.C. ID		
	D.C. OD	718.30	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
2	SUBS OD	4.32	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	32	FT.
	TOTAL	6712	FT.
	WT. OF STRING	150,000	LBS.

DRILLER: Jack Turner

BIT RECORD

RUN NO.	15
SIZE	8¾
MFG.	Hw
TYPE	ODV
NOZ. NO.	3
NOZ. SIZE	12
SER. NO	92220
DEPTH OUT	
CUMULATIVE HOURS RUN	18
COND. OF BIT	RUN1
REAMER CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
9¾		6630	6712		56	45	1100	5½	60			

DEVIATION RECORD:

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

REMARKS

Drilling 8¾ Hole — 12⁰⁰ – 2³⁰ – 2½
Rig Slip + Fire Drills — 2³⁰ – 2⁴⁵ – ¼
Drilling — 2⁴⁵ – 8⁰⁰ 5¼

MUD RECORD

TIME	12⁰⁰	2⁰⁰	4⁰⁰
WEIGHT	9.3	9.3	9.5
VISC	92	110	164
W.L.-C.C.	7.0		
FLTR. CK.	2/32		
PH	8.5		
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1150		
CMC	150		
Pipe Mud	1000		
DIESEL	1400		

EVENING TOUR

DRILLING ASSEMBLY

NO.			
44	STANDS DP	5957	FT.
	SNGLS. DP		FT.
24	D.C. 2⅞ ID		
	D.C. 6¼ OD	718.30	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD	4.37	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	23	FT.
	TOTAL	6734	FT.
	WT. OF STRING		LBS.

DRILLER: L Shannon

BIT RECORD

RUN NO.	15
SIZE	8¾
MFG.	HW
TYPE	ODV
NOZ. NO.	3
NOZ. SIZE	12
SER. NO	92220
DEPTH OUT	6734
CUMULATIVE HOURS RUN	18¾
COND. OF BIT	5-1-1
REAMER CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
13½		6712	6734		56	45	1200	5½	60			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6734								

REMARKS

1¾ Reserve Bops ✓ 8⁰⁰–8¹⁵
1¾ Drilling 8¾ Hole 8¹⁵–10⁰⁰
¼ Survey @ 10⁰⁰–10¹⁵
1 Pull Std hole tight pick up Kelly + Pump out 2 singles –10¹⁵–11¹⁵
½ Circ. ½ hr –11¹⁵–11⁴⁵
1 Pump out 5 more singles 11⁴⁵–12⁴⁵
½ Circ out 12⁴⁵–1⁰⁰ Trip out 2⁴⁵ 4⁰⁰
3¼ Repl. Gear high + Low Chains in Drwks. –1³⁰–2⁴⁵–3¼

MUD RECORD

TIME	8⁰⁰		
WEIGHT	9.1		
VISC	120		
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY

NO.			
44	STANDS DP	5926	FT.
2	SNGLS. DP	62.82	FT.
24	D.C. 2⅞ ID		
	D.C. 6¼ OD	718.30	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD	4.37	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	23	FT.
	TOTAL	6734	FT.
	WT. OF STRING		LBS.

DRILLER: L Shannon

BIT RECORD

RUN NO.	16
SIZE	8¾
MFG.	HW
TYPE	X7
NOZ. NO.	3
NOZ. SIZE	12
SER. NO	KX016
DEPTH OUT	
CUMULATIVE HOURS RUN	
COND. OF BIT	
REAMER CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		6734		T.H				6"		5½		

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
6734	1¾							

REMARKS

1¾ Finish out — 4⁰⁰ – 5⁴⁵
¼ R, S, ✓ Blind Rams — 5⁴⁵ – 6⁰⁰
3 Run in To 6535 — 6⁰⁰ – 9⁰⁰
2¼ Could not Break Circ Pull 7 Singles
2 Back up To 6318 got Circ — 9⁰⁰ – 11⁰⁰
1 Clean From 6318 – 6412 — 11⁰⁰ – 12⁰⁰
Boiler 8 Hrs.

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 39 DATE Jan 16/68

OPERATOR	LOCATION LSD	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED						Shell Trout Lake	A-41	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	TYPE THD.
Norbars	10	4½	6" OD	XH-NC

OPERATOR'S REPRESENTATIVE

CONTRACTOR'S TOOL PUSHER

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Nat	C250	15
2.	"	"	"
3.			

CASING & LINER RECORD

	SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
	9⅝	36 J55	0	870				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	1½	7½	7¾
REAMING			
CIRCULATING	3½		
TRIPS	2¾	3¾	
DEVIATION SURVEY	¼		
TEST B.O.P	¼	¼	¼
CUT OFF DRILL LINE			
REPAIR RIG		¾	
CORING			
WIRE LINE LOGGING			
OTHER		¾	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL		1	
TOTALS	9	12	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD 32

CUMULATIVE ROTATING HRS. 382 1/4

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	5737 FT.	RUN NO.	14
1	SNGLS. DP	31.32 FT.	SIZE	8¾
24	D.C. 2⅞ ID 6½ OD	718. FT.	MFG.	Hyc
	RMR BODY OD	FT.	TYPE	X3
	STB BODY OD	FT.	NOZ. NO.	2
2	SUBS OD	4.37 FT.	NOZ. SIZE	12
	BIT OR C.B.	FT.	SER. NO	92463
		FT.	DEPTH OUT	6527
	KELLY DOWN	36 FT.	CUMULATIVE HOURS RUN	18¾
	TOTAL	6527 FT.	COND. OF BIT	
WT. OF STRING	150,000 LBS.		REAMER CUTTER NO.	
DRILLER			TYPE	

G. Dela Dennis

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
1½		6515	6527		80	40	1000	5½	58			

DEVIATION RECORD:

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

REMARKS

Drilling 8¾ Hole 12⁰⁰ – 13⁰⁰ – 1½
Circ To Trip. 1³⁰ – 1⁴⁵ – ¼
Survey at 6525 1⁴⁵ – 2⁰⁰ – ¼
Trip out Pull Tight 1 Stand 2⁰⁰
3¼ BTM 2¹⁵ – ½
Rig Sear & Pipe Rams 2¹⁵ – 2³⁰ – ¼
Cond Hole 2³⁰ – 5³⁰ – 3
Trip out 5³⁰ – 8⁰⁰ – 2½

MUD RECORD

TIME	12⁰⁰	2⁰⁰	5⁰⁰
WEIGHT	9.3	9.3	9.3
VISC	130	110	170
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1750		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	15
	SNGLS. DP	FT.	SIZE	8¾
24	D.C. 2⅞ ID 6¼ OD	718.30 FT.	MFG.	HW
	RMR BODY OD	FT.	TYPE	XDV
	STB BODY OD	FT.	NOZ. NO.	3
	SUBS OD	4.37 FT.	NOZ. SIZE	12
	BIT OR C.B.	FT.	SER. NO	92220
		FT.	DEPTH OUT	
	KELLY DOWN	27 FT.	CUMULATIVE HOURS RUN	2½
	TOTAL	6550 FT.	COND. OF BIT	Run
WT. OF STRING	LBS.		REAMER CUTTER NO.	
DRILLER			TYPE	X

R. LaCroix

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2½		6527	6550		94	40	1800			5½		

DEVIATION RECORD:

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

REMARKS

¾ Trip out 8⁰⁰ – 8⁴⁵
¼ Rig sear & Blind Rams 8⁴⁵ – 9⁰⁰
3⁰⁰ Trip in 9⁰⁰ – 12⁰⁰
¾ Break Circ & Clean To Bottom – 12⁰⁰ – 12⁴⁵
2 Drilling 8¾ Hole – 12⁴⁵ – 2⁴⁵
¼ Work on Pump 2⁴⁵ – 3⁰⁰
½ Drill 8¾ Hole 3⁰⁰ – 3³⁰
½ Work on Pump 3³⁰ – 4⁰⁰

MUD RECORD

TIME	12⁰⁰	2⁰⁰	
WEIGHT	9.5	9.5	
VISC	270	220	
W.L.-C.C.	6	2/32	
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
63	STANDS DP	5831.21 FT.	RUN NO	15
0	SNGLS. DP	6323. FT.	SIZE	8¾
24	D.C. 2¾ ID 6¼ OD	718.30 FT.	MFG.	HW
	RMR BODY OD	FT.	TYPE	XDV
	STB BODY OD	FT.	NOZ. NO.	3
	SUBS OD	4.37 FT.	NOZ. SIZE	12
	BIT OR C.B.	FT	SER NO	92220
		FT.	DEPTH OUT	Rud.
	KELLY DOWN	1400. FT.	CUMULATIVE HOURS RUN	10¼
	TOTAL	6650 FT.	COND. OF BIT	Rund
WT OF STRING	150,000 LBS.		REAMER CUTTER NO.	
DRILLER			TYPE	

L. Shannon

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7¾		6650	6630	T.H.	56	40	1200	5½		5½	60	
					56	45	1150					

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
6525	1¾							

REMARKS

1½ Drilling 4⁰⁰ – 5³⁰
¼ R. S. & Hydrils 5³⁰ – 5⁴⁵
6¼ Drilling 5⁴⁵ – 12⁰⁰
Ø

MUD RECORD

TIME	12⁰⁰	6⁰⁰	10⁰⁰
WEIGHT	9.4	9.3	9.3
VISC	210	85	100
W.L.-C.C.			
FLTR CK.			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Bel.	500#		
Water			

D. Dis = 11.0
D. Return = 9.4
Boiler 8 HRS.
Desilter 6 HRS.

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 38 DATE Jan 15/68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED						Shell Trout Lake	O-41	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	OD
Nabors	10	4½	TYPE THD	4½ IF

OPERATOR'S REPRESENTATIVE — CONTRACTOR'S TOOL PUSHER

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	N.O.T.	C250	12"
2.	"	"	"
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	36 H-40	0	870				

TIME DISTRIBUTION—HOURS

	NORM	DAY	EVE
DRILLING ACTUAL		1½	
REAMING			
CIRCULATING		½	
TRIPS		3½	
DEVIATION SURVEY		½	
TEST B.O.P		¼	¼
CUT OFF DRILL LINE			
REPAIR RIG		¼	
CORING			
WIRE LINE LOGGING			
OTHER		¼	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS		6	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:	
OPERATOR'S TIME:	
HRS. W/D.P:	
HRS WO/D.P:	
HRS STANDBY	

WIRE LINE RECORD

REEL NO	
NO OF LINES SIZE	
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
NO. OF DAYS FROM SPUD	31
CUMULATIVE ROTATING HRS.	270½

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	13
	SNGLS. DP	FT.	SIZE	8¾
	D.C. ID		MFG.	Hug.
	OD	FT.	TYPE	X3A
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	SIZE	12.
	SUBS OD	FT.	SER. NO	2855
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

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

REMARKS

Circ To Cond Hole 12⁰⁰ 1³⁰ - ½
Dummy Trip 10 Stands 1³⁰ 2³⁰ - 2
Circ. 2³⁰ - 4³⁰ - 1
Trip out Pipe Torqued up. 4³⁰ - 8⁰⁰ 3½

MUD RECORD

TIME	12 00	2.00
WEIGHT	9.4	9.4
VISC	215	246
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	100		
CMC	50		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
1	STANDS DP 5 6 4 3 5 8	FT.	RUN NO.	14
	SNGLS. DP	FT.	SIZE	8¾
24	D.C. 7⅞ ID 5½ OD	718.30 FT.	MFG.	Hug.
	RMR BODY OD	FT.	TYPE	X3A
	STB BODY OD	FT.	NOZ. NO.	3/
	SUBS OD	4.37 FT.	SIZE	12
	BIT OR C.B.	FT.	SER. NO.	93667
		FT.	DEPTH OUT	
	KELLY DOWN	25 FT.	CUMULATIVE HOURS RUN	1½
	TOTAL	1290 FT.	COND. OF BIT	
	WT. OF STRING	17 8⁰⁰ LBS.	REAMER CUTTER NO.	
	DRILLER		TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
1½		6356	6590		94	40	1150			5½	66	

DEVIATION RECORD:

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

REMARKS

¾ Trip out 6⁰⁰ - 8⁴⁵
¼ Rig serv + Blind Rams 8⁴⁵ - 9²⁰
1¼ Put chain in compound To #1 pump Drive + Replace Gauges 9⁰⁰ - 10¹⁵
½ Pickup ☐ collars 10¹⁵ - 10⁴⁵
2¾ Tripping w/ Bit 10⁴⁵ - 1³⁰
1½ Break Circ + Clean To Bottom 1⁵⁰ - 2³⁰
Drilling 8¾ hole — 2³⁰ H⁵⁰

MUD RECORD

TIME	7⁰⁰	
WEIGHT	9.2	
VISC	320	
W.L.-C.C.	6.4	
FLTR. CK.	3/32	
PH	8	
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
22	STANDS DP 5 2 7 2 7 7	FT.	RUN NO	14
5.	SNGLS. DP 31.32.	FT.	SIZE	8¾
	D.C. 7⅞ ID		MFG.	Hug.
24	6¼ OD 718.30	FT.	TYPE	X3A
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	SIZE	12.
	SUBS OD 4.37.	FT.	SER NO	93667
	BIT OR C.B.	FT.	DEPTH OUT	Run
		FT.	CUMULATIVE HOURS RUN	9¼
	KELLY DOWN 24.00	FT.	COND. OF BIT	Run
	TOTAL 1615	FT.	REAMER CUTTER NO.	
	WT. OF STRING 150000	LBS.	TYPE	
	DRILLER			

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7¾		6360	6515	T.H.	94	40	1150			5½	60	
					80							
					56							

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
6350	1¼							

REMARKS

¾ Drilling 4⁵⁵ - 4⁴⁵
R, S, Service Swivel + CK Kelly Cocks
¼ + CK. Hydril w/ Remote Control OK. 4⁴⁵ - 5⁰⁰
7 Drilling 5⁰⁰ - 12⁰⁰

Boiler 8 Hrs.
Desilter = 7 Hrs.
D. Dis. = 10.6
D. Return = 9.4

MUD RECORD

TIME	6⁰⁰	8⁰⁰	10⁰⁰
WEIGHT	9.4	9.3	9.3
VISC	240	150	125
W.L.-C.C.	6.1	7.	7
FLTR CK.	2/32	2/32	2/32
PH	8	8	8
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Water			

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 37 DATE Jan 14/68

OPERATOR: SHELL CANADA LIMITED | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: Shell Trout Lake No. A-41 | PROVINCE: N.W.T.

CONTRACTOR: Nabors | RIG No. 10 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT 6" OD TYPE THD. XH H90

OPERATOR'S REPRESENTATIVE: Ray | CONTRACTOR'S TOOL PUSHER: Jim Pavlek

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Nat	C250	15"
2.	"	"	"
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	J-55 36	0	670				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING (Show Depth)	7¾	¼	½
CIRCULATING		7¾	11¼
TRIPS			
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG	¼	¼	¼
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD 30

CUMULATIVE ROTATING HRS. 261¼

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	12
	SNGLS. DP	FT.	SIZE	9 7/8
	D.C. ID		MFG.	Hyc
	D.C. OD	FT.	TYPE	X3
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	12
	SUBS OD	FT.	SER. NO	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER: Jim Pavlek

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

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

REMARKS

¼ Rig Serv & Pipe Rams.
7¾ Clean To Btm.

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	94	94	94
VISC	142	138	175
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1130		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	561203 FT.	RUN NO.	13
	SNGLS. DP	FT.	SIZE	8¾
	D.C. ID		MFG.	HW
15	D.C. 6¼ OD	688.76 FT.	TYPE	X3
	RMR BODY OD	FT.	NOZ. NO	3
	STB BODY OD	FT.	NOZ. SIZE	12
	SUBS OD	4.37 FT.	SER. NO.	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
WT. OF STRING	140,000	LBS.	TYPE	

DRILLER: R. Pavlek

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		6356				1100				5½	61	

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

REMARKS

¼ Rig Serv + Bops 9:00 - 8:15
7¾ Clean To Bottom 8:15 4:00

MUD RECORD

TIME	8:00	12:00	9:00
WEIGHT	9.1	9.1	
VISC	225	400+	
W.L.-C.C.		6.0	
FLTR. CK.		2/32	
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	—		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	564355 FT.	RUN NO	13
	SNGLS. DP	FT.	SIZE	8¾
	D.C 2 7/8 ID		MFG.	H.W
23	D.C 6¼ OD	688.74 FT.	TYPE	X3
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	12
	SUBS OD	9.27 FT.	SER NO	
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	14.00 FT.	COND. OF BIT	
	TOTAL	6355 FT.	REAMER CUTTER NO.	
WT OF STRING	140,000	LBS.	TYPE	

DRILLER: L Shannon

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		6356		T.H								

DEVIATION RECORD: DEPTH 6350 | DEV. 1°/16 | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

¼ Rs, Sv, u Bops 4:00 - 9:15
½ C.T.B 4:15 - 4:45
7¼ Circ + Cond Mud 4:45 12:00

MUD RECORD

TIME	6:00	8:00	10:00
WEIGHT	9.2	9.3	9.4
VISC	240	160	210
W.L.-C.C.			
FLTR CK			
PH		8	
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	23	5#5.	
WATER			
C.M.C	1	5#5	

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 26 DATE JAN. 12 - 68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED						SHELL TROUT LAKE	O-41	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT 6" OD / TYPE THD.
	10		

OPERATOR'S REPRESENTATIVE	CONTRACTOR'S TOOL PUSHER
A. A. Bobs	J. Tawlak

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NET	C-250	
2.	NAT	C-850	
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	36 - J55	0	870				

TIME DISTRIBUTION—HOURS

	NOON	DAY	EVE
DRILLING ACTUAL			
REAMING		7¼	8
CIRCULATING			
TRIPS	7		
DEVIATION SURVEY			
TEST B.O.P	¼	¼	
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER	¾		
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	13
	SNGLS. DP	FT.	SIZE	8¾
23	D.C. 2 7/8 ID 6¼ OD	688.78 FT.	MFG.	H.W.
	RMR BODY OD	FT.	TYPE	X3
	STB BODY OD	FT.	NOZ. NO.	3
	SUBS OD	9.57 FT.	NOZ. SIZE	12.
	BIT OR C.B.	FT.	SER. NO	
		FT.	DEPTH OUT	
	KELLY DOWN	FT.	CUMULATIVE HOURS RUN	
	TOTAL	FT.	COND. OF BIT	
WT. OF STRING		LBS.	REAMER CUTTER NO.	
DRILLER			TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		6256		TH								

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6350	1°/6							

REMARKS

¾	Finish out	12⅝ - 12¾
½	Lay Down D Collar Baker-Rods	12¾ - 13
¼	Rig Up Rods	13 - 13⅛
¼	Pick up Btm Hole Sub.	13⅛ - 13⅜
3½	Running in measure Collars + Pipe	13⅜ - 1⅝
	Bridge @ 1698 Try to Break Circ Small Amount of Returns 5⅝	
2½	Pull 3 Stands (Same) Pull 3 more Good Returns 55 10. 7⅝	
¼	Circulate	7⅝ - 8⅝

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	13
	SNGLS. DP	FT.	SIZE	8¾
	D.C. ID / OD	FT.	MFG.	HW
	RMR BODY OD	FT.	TYPE	X3
	STB BODY OD	FT.	NOZ. NO.	3
	SUBS OD	FT.	NOZ. SIZE	12
	BIT OR C.B.	FT.	SER. NO.	
		FT.	DEPTH OUT	
	KELLY DOWN	FT.	CUMULATIVE HOURS RUN	
	TOTAL	FT.	COND. OF BIT	
WT. OF STRING		LBS.	REAMER CUTTER NO.	
DRILLER			TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
							1100					

DEVIATION RECORD:

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

REMARKS

¼	Rig Serv & Hydril
7¾	Clean To Btm.

MUD RECORD

TIME	800	1200
WEIGHT	95	95
VISC	98	110
W.L.-C.C.	6.8	
FLTR. CK.	2/32	
PH	8.0	
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000		
P. Magic	300		
CMC	50		
Diesel	4 Bbl		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	13
	SNGLS. DP	FT.	SIZE	8¾
	D.C. ID / OD	FT.	MFG.	HW
	RMR BODY OD	FT.	TYPE	X3
	STB BODY OD	FT.	NOZ. NO.	3
	SUBS OD	FT.	NOZ. SIZE	12
	BIT OR C.B.	FT.	SER. NO	
		FT.	DEPTH OUT	
	KELLY DOWN	FT.	CUMULATIVE HOURS RUN	
	TOTAL	FT.	COND. OF BIT	
WT. OF STRING		LBS.	REAMER CUTTER NO.	
DRILLER			TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		6356										

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

8	Clean To Bottom H=-15

MUD RECORD

TIME	4	6	8
WEIGHT	9.2	9.2	93
VISC	100	105	165
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:	
OPERATOR'S TIME:	
HRS. W/D.P:	
HRS WO/D.P:	
HRS STANDBY	

WIRE LINE RECORD

REEL NO	
NO OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. or TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. or TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	29
	261¼

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 35 DATE JAN. 12-68.

OPERATOR: SHELL CANADA LIMITED
CONTRACTOR: ADAMS RIG No. 10
OPERATOR'S REPRESENTATIVE:
CONTRACTOR'S TOOL PUSHER: Tom Tawlish
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: SHELL TROUT LAKE No. 2-41
PROVINCE: N.W.T.
DRILL PIPE STRING NO. SIZE
TOOL JOINT 6 OD
TYPE THD.

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	6-250	
2.	NAT	6-250	
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	36-55	0	870				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	6½	3	
REAMING			
CIRCULATING	¼	¼	
TRIPS		1¾	8
DEVIATION SURVEY	1	¼	
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG	¼		
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)
CONTRACTOR'S TIME HRS:
OPERATOR'S TIME:
HRS. W/D.P:
HRS WO/D.P:
HRS STANDBY

WIRE LINE RECORD
REEL NO
NO. OF LOGS 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 28
CUMULATIVE ROTATING HRS. 261¼

MORNING TOUR

DRILLING ASSEMBLY

59	STANDS DP	5455.44	FT.
2	SNGLS. DP	63.15	FT.
24	D.C 2⅜ ID 6¼ OD	718.30	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD	4.32	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	27	FT.
	TOTAL	6268	FT.
	WT. OF STRING	150,000	LBS.

DRILLER

BIT RECORD

RUN NO.	12
SIZE	8¾
MFG.	HW
TYPE	X3
NOZ. NO.	3
NOZ. SIZE	12
SER. NO	
DEPTH OUT	9467 Rudi
CUMULATIVE HOURS RUN	23¼
COND. OF BIT	
REAMER CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
6½		6080	6268	T. M.	94	40	1800	5½	72	5½	65	
								HOPPER				

DEVIATION RECORD: 6000 — 1¾° | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

REMARKS

½	Drill	12³⁰ – 12³⁰
½	Circ To Run Survey	12³⁰ – 12⁴⁵
1	Survey @ 6000 = 1, S, ¾ Bels.	12⁴⁵ – 1⁴⁵
¼	Work on Brake Release To Cat Head	1⁴⁵ – 2⁰⁰
6	Drill	2⁰⁰ – 8⁰⁰
	D. Dis = 10.3	
	D. Return = 9.4	
	Desilter = 8 Hrs.	
	Boiler = 8 Hrs.	

MUD RECORD

TIME	2⁰⁰	11⁰⁰	6⁰⁰
WEIGHT	9.5	9.5	9.5
VISC	140	70	80
W.L.-C.C.			
FLTR. CK.		7.2	
PH		7.6	
SD. CONT.			
Desilter Dis.			10.3
Desilter Return			9.4

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Water		Diesel	588
Milsol	5 Gal	Mi-Gold	
Gel	800#	Magma	500#
CMC	50#		

DRILLING ASSEMBLY

	STANDS DP	5617	FT.
	SNGLS. DP		FT.
29	D.C 2⅜ ID 6¼ OD	318.30	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
2	SUBS OD	4.37	FT.
	BIT OR C.B.		FT.
		22	FT.
	TOTAL	6356	FT.
	WT. OF STRING		LBS.

DRILLER

BIT RECORD

RUN NO.	12
SIZE	8¾
MFG.	HW
TYPE	X3
NOZ. NO.	3
NOZ. SIZE	12
SER. NO.	9467
DEPTH OUT	6356
CUMULATIVE HOURS RUN	26¼
COND. OF BIT	
REAMER CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
3		6268	6356		94	40	1100	5½	72	5½	65	C250

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

REMARKS

¼	Drilling 8¾ Hole	8⁰⁰ – 8¹⁵ – ¼
¼	Rig Serv + Pipe Rams	8¹⁵ – 8³⁰ – ¼
2¾	Drilling	8³⁰ – 11¹⁵ – 2¾
1	Circ To Trip out	11¹⁵ – 12¹⁵ – 1
¼	Survey at 6350 –	12¹⁵ – 12³⁰ – ¼
	Pump out 3 Singles	12³⁰ – 2¹⁵ – 1¾
	Circ To Clean up Hole	2¹⁵ – 4⁰⁰ – 1¾

MUD RECORD

TIME	9⁰⁰	12.	2⁰⁰
WEIGHT	95	95	95
VISC	97	85	130
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	22⁰⁰	Diesel	588
[illegible]		P. Mag	350
Milsol & Gd			
CMC	50⁰		

EVENING TOUR

DRILLING ASSEMBLY

	STANDS DP	5612	FT.
	SNGLS. DP		FT.
	D.C ID OD	718.30	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD	4.37	FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	22	FT.
	TOTAL	6356	FT.
	WT OF STRING		LBS.

DRILLER

BIT RECORD

RUN NO	12
SIZE	8¾
MFG.	HW
TYPE	X3
NOZ. NO.	3
NOZ. SIZE	12
SER NO	9467
DEPTH OUT	6356
CUMULATIVE HOURS RUN	26¼
COND. OF BIT	
REAMER CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		6356										

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

REMARKS

½	Pump out singles 4 and 4
½	Trip Sets
½	Pump out single
1½	Trip 7 more STDs
½	Pump out 2 singles
	Trip out / Torqued up pipe — tight hole BREAK
4¾	out W/ Swatch Block

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT	TYPE	AMT
Trip			

C.P.-38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 34 DATE JAN. 11

OPERATOR: SHELL CANADA LIMITED | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: SHELL TRAT LAKE No. A-41 | PROVINCE: N.W.T.

CONTRACTOR: McBeth | RIG No. 10 | DRILL PIPE STRING NO. SIZE | TOOL JOINT 6" OD | TYPE THD.

OPERATOR'S REPRESENTATIVE: R. Q. | CONTRACTOR'S TOOL PUSHER: L. Gould

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1	NAT	G-250	
2.	NAT.	G-250	
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	J55-36.0		820.				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	2	7	7¾
REAMING	¼		
CIRCULATING		¼	
TRIPS			
DEVIATION SURVEY		¼	
TEST B.O.P	¼	¼	¼
CUT OFF DRILL LINE			
REPAIR RIG	1¼		
CORING			
WIRE LINE LOGGING			
OTHER			
WAITING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS:	4	8	12

TIME SUMMARY (OFFICE USE ONLY)
CONTRACTOR'S TIME HRS:
OPERATOR'S TIME:
HRS. W/D.P:
HRS WO/D.P:
HRS STANDBY

WIRE LINE RECORD
REEL NO
NO OF LINES SIZE
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. or TRIPS SINCE LAST CUT
CUMULATIVE TON MI. or TRIPS
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS. 258 3/4

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
23	STANDS DP	4853.29 FT.	RUN NO.	12
4	SNGLS. DP	3060 FT.	SIZE	8¾
24	D.C. 2¼ ID		MFG.	HW
	6¼ OD	718.30 FT.	TYPE	X3
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	SIZE	12
	SUBS OD	4.37 FT.	SER. NO	91167
	BIT OR C.B.	FT.	DEPTH OUT	Run
		FT.	CUMULATIVE HOURS RUN	2
	KELLY DOWN	2.00 FT.	COND. OF BIT	Run
	TOTAL	5485 FT.	REAMER CUTTER. NO.	
	WT. OF STRING	125,000 LBS.	TYPE	

DRILLER: L. Gould

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2.		5650.	5685	T.H.	94	35	1100			5½	56	

DEVIATION RECORD: 5500 DEPTH, 1¼ DEV.

REMARKS
1/4 R, S, & BOPs. 12⁰⁰ - 12¹⁵
5½ CLEAN FROM 5420 - 12¹⁵ 5485
PUT NEW SECOND CHAIN IN
5½ DRAW WORKS. 5485 - 1⁰⁰
2 DRILLING 8¾" HOLE. 6⁰⁰ - 8⁰⁰
BOILER 8 HRS

MUD RECORD

TIME	7⁰⁰	4⁰⁰	6⁰⁰
WEIGHT	94	94	94
VISC	90	110	110
W.L.-C.C.	6.2	6.2	6.2
FLTR. CK.	2/32	2/32	2/32
PH	8	8	8
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DIESEL	5 BBL	WATER	
DRILSAL	5 SAK		
PROTECTOR			
MAGMA GEL	5 SAK		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
23	STANDS DP	5142 FT.	RUN NO.	12
	SNGLS. DP	FT.	SIZE	8¾
24	D.C. 2¼ ID		MFG.	HW
	6¼ OD	718.30 FT.	TYPE	X3
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	SIZE	12
1	SUBS OD	4.37 FT.	SER. NO.	91167
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	9
	KELLY DOWN	15 FT.	COND. OF BIT	Run
	TOTAL	5880 FT.	REAMER CUTTER NO.	
	WT. OF STRING	130,000 LBS.	TYPE	

DRILLER: John Penner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7		5485	5880		94	40	1100	5½	58		65	

DEVIATION RECORD: 5750 DEPTH, 1¼ DEV.

REMARKS
1/4 Rig Serv. & Rpair.
6¾ Drilling 8¾ Hole
1/4 Circ To Run Survey
1/2 Run Survey At 5750 - 1¼°
1/4 Drilling
8⁰⁰ - 8¹⁵ - ¼
8¹⁵ - 3⁰⁰ 6¾
3⁰⁰ - 3¹⁵ ¼
3¹⁵ - 3⁴⁵ - ½
3⁴⁵ - 4⁰⁰ - ¼

MUD RECORD

TIME	10⁰⁰	12⁰⁰	2⁰⁰
WEIGHT	9.5	9.5	9.4
VISC	110	95	95
W.L.-C.C.	7	7	7
FLTR. CK.	3/32	3/32	3/32
PH	8	8	8
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Q-Broke	1000#		
WATER	-		

LAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
23	STANDS DP	5330.29 FT.	RUN NO	12
	SNGLS. DP	FT.	SIZE	8¾
24	D.C 6¼ ID		MFG.	HW
	2¾ OD	718.30 FT.	TYPE	X3
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	SIZE	12
1	SUBS OD	4.37 FT.	SER NO	91167
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	16¾
	KELLY DOWN	28 FT.	COND. OF BIT	
	TOTAL	6080 FT.	REAMER CUTTER NO.	
	WT OF STRING	LBS.	TYPE	

DRILLER: R. L. Curtis

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7¾		5880	1080		94	40	1100			5½	56	

DEVIATION RECORD:

REMARKS
1 Drill 8¾ Hole - 4⁰⁰ 5¹⁵
¼ Rig Serv + BOPs 5¹⁵ 5¹⁵
6¾ Drill 5¹⁵ - 12⁰⁰

Desilter blr
Boiler 8 hrs

MUD RECORD

TIME	8⁰⁰	8⁰⁰	
WEIGH	9.5	9.5	
VISC	100	110	
W.L.-C.C.	7	7.1	
FLTR. CK.	3/32	3/32	
PH	8.0	8.0	
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel			

C.P. 28 (10/63) **DAILY DRILLING REPORT** REPORT NO. 35 DATE JAN 10 - 68

OPERATOR: SHELL CANADA LIMITED
CONTRACTOR: NABORS RIG NO. 10
OPERATOR'S REPRESENTATIVE: R. Q.
CONTRACTOR'S TOOL PUSHER: [illegible]

LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: SHELL FRONT LAKE No. O-41
PROVINCE: N.W.T.

DRILL PIPE STRING NO. SIZE: TOOL JOINT 6" OD; TYPE THD.

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	G-350	
2.	NAT.	G-350	
3.			

CASING & LINER RECORD

	SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
	9⅝	J55 ST.	0	820				

TIME DISTRIBUTION — HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING	1		
CIRCULATING			
TRIPS		5¾	
DEVIATION SURVEY			
TEST B.O.P	¼	¼	
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:
OPERATOR'S TIME:
HRS. W/D.P:
HRS WO/D.P:
HRS STANDBY

WIRE LINE RECORD

REEL NO
NO OF LINES SIZE
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. or TRIPS SINCE LAST CUT
CUMULATIVE TON MI. or TRIPS
NO. OF DAYS FROM SPUD 36
CUMULATIVE ROTATING HRS. 235

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	4492 FT.	RUN NO.	12
	SNGLS. DP	FT.	SIZE	8¾
24	D.C. 2⅞ ID 6¼ OD	218.30 FT.	MFG.	Hyc
	RMR BODY OD	FT.	TYPE	X3
	STB BODY OD	FT.	NOZ. NO.	3
	SUBS OD	4.37 FT.	NOZ. SIZE	12
	BIT OR C.S.	FT.	SER. NO	55467
		FT.	DEPTH OUT	5500
	KELLY DOWN	35 FT.	CUMULATIVE HOURS RUN	
	TOTAL	5640 FT.	COND. OF BIT	
	WT. OF STRING	LBS.	REAMER CUTTER NO.	
	DRILLER		TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		5640		T.H.								

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5500	1¼							

REMARKS

1¼ 2, S, Safe 15 @ 1215
Finish out BOP Break out Kelly & Hose Blk & Collars
2¼ Torque up. 1215 - 1315
1 Run in Collars & work on Torque Gauge 230 - 330
1 Slip & Cut 60' Line 330 - 430
Check timing Trimble. Boiler 8 Hrs.
2½ Run in Guide and Air Line To Hydromatic 430 - 900
1 Clean out Tight Spot From 4820 - 4850 700 - 800

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	12
	SNGLS. DP	FT.	SIZE	8¾
	D.C. 2⅞ ID 6¼ OD	FT.	MFG.	Hyc
	RMR BODY OD	FT.	TYPE	X3
	STB BODY OD	FT.	NOZ. NO.	3
	SUBS OD	FT.	NOZ. SIZE	12
	BIT OR C.S.	FT.	SER. NO.	91167
		FT.	DEPTH OUT	Bottom
	KELLY DOWN	FT.	CUMULATIVE HOURS RUN	16
	TOTAL	FT.	COND. OF BIT	Bottom
	WT. OF STRING	LBS.	REAMER CUTTER NO.	
	DRILLER		TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

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

REMARKS

¼ Pick Serv-A-Pipe Racks
5¾ Clean out From 4850 To 5200
Run in 1 Stand unable To Break Circ
2 Work Pipe up.

MUD RECORD

TIME	1200	9.4
WEIGHT	94	76
VISC	50	
W.L.-C.C.		68
FLTR. CK.		2¾2
PH		9.0
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	4892 FT.	RUN NO	12
	SNGLS. DP	FT.	SIZE	8¾
24	D.C 6¼ ID 2¼ OD	718.30 FT.	MFG.	Hyc
	RMR BODY OD	FT.	TYPE	X3
	STB BODY OD	FT.	NOZ. NO.	3
	SUBS OD	4.37 FT.	NOZ. SIZE	12
	BIT OR C.B.	FT	SER NO	91167
		FT.	DEPTH OUT	16 Jets
	KELLY DOWN	25 FT.	CUMULATIVE HOURS RUN	
	TOTAL	5640 FT.	COND. OF BIT	Bottom
	WT OF STRING	LBS.	REAMER CUTTER NO.	
	DRILLER		TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		5640										

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

¾ Lay Down 2 singles Pickup Kelly - Work pipe 4⁴⁵ - 5⁴⁵
2 Break Circ Circ 4⁴⁵ - 6⁴⁵ Mix Mud 4⁴⁵ - 6⁴⁵
5¼ Clean From 5200 To 5450 6⁴⁵ - 12⁰⁰

MUD RECORD

TIME		10⁰⁰
WEIGHT		
VISC		140
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 32 DATE JAN 9-68

OPERATOR: SHELL CANADA LIMITED | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: SHELL TROUT LAKE No. O-41 | PROVINCE: N.W.T.

CONTRACTOR: NABORS | RIG No. 10 | DRILL PIPE STRING NO. SIZE | TOOL JOINT 6" OD TYPE THD.

OPERATOR'S REPRESENTATIVE | CONTRACTOR'S TOOL PUSHER: Jim Fowler

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	6-250.	
2.	NAT.	6. 250.	
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	36	0	870.				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7¾	11¼	5½
REAMING			
CIRCULATING		¼	
TRIPS			4½
DEVIATION SURVEY		½	
TEST B.O.P	1¼	1¼	¼
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER		½	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

H2S STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS. 225 235

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	4644.50 FT.	RUN NO.	11
	SNGLS. DP	316.3 FT.	SIZE	8 3/4
24	D.C. 2 7/8 ID 6 1/4 OD	218.30 FT.	MFG.	H.W.
	RMR BODY OD	FT.	TYPE	X3
	STB BODY OD	FT.	NOZ. NO.	3
	SUBS OD	FT.	NOZ. SIZE	12
	BIT OR C.B.	FT.	SER. NO	
		FT.	DEPTH OUT	5466
	KELLY DOWN	35 FT.	CUMULATIVE HOURS RUN	19¾
	TOTAL	5402. FT.	COND. OF BIT	Rund
WT. OF STRING	5402. LBS.		REAMER CUTTER NO.	
DRILLER			TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7¾		5225	5402	T.H.	95	45	1100			5½	56	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5192	1½							

REMARKS

¼ Drill 12:00 - 12:15
¼ Rig Serv., Rot. 12:15 - 12:30
7¾ Drill 12:30 - 8:00

DESILTER - 8 HRS.
DESILTER RETURN - 95
DESILTER DIS. - 10.1
BOILER RNG.

MUD RECORD

TIME	4:00	4:30	6:00
WEIGHT	9.4	9.3	9.3
VISC	60	58	60
W.L.-C.C.	7.8	7.8	7.8
FLTR. CK.	2/32	2/32	2/32
PH	8.0	8.0	8.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
DIESEL	15 BBLS	GEL	500#
PROTECTO MAGIC	100	WATER	
AEROSOL	1 DRM		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	4798 FT.	RUN NO.	11
	SNGLS. DP	FT.	SIZE	8 3/4
24	D.C. 2 3/8 ID 6 1/4 OD	218. FT.	MFG.	H.W.
	RMR BODY OD	FT.	TYPE	X3
	STB BODY OD	FT.	NOZ. NO.	3
2	SUBS OD	4.37 FT.	NOZ. SIZE	12
	BIT OR C.B.	FT.	SER. NO.	91466
		FT.	DEPTH OUT	
	KELLY DOWN	41 FT.	CUMULATIVE HOURS RUN	23¾
	TOTAL	5561 FT.	COND. OF BIT	Run
WT. OF STRING	130 LBS.		REAMER CUTTER NO.	
DRILLER			TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
¼		5402	5561		95	45	1100	5½	56			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5500	1¼							

REMARKS

¼ Drilling 8¾
¼ Rig Serv Hydril
½ Clang From XH To H90 Type
5 Drilling
¼ Circ To Run Survey
½ Run Survey @ 5500 - 1¼°
1¼ Drilling

DESILTER 7 HRS.
DESILTER TO TANK #3
" TO SUMP 10.6

MUD RECORD

TIME	10:00	12:00	
WEIGHT	9.4	9.3	
VISC	60	50	
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	1000		
DIESEL	500		
PROTECTO MAGIC	500		
ATTAPULGUS	1 SACK		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	489.	RUN NO	11
	SNGLS. DP	FT.	SIZE	8 3/4
24	D.C. 2 3/8 ID 6 1/4 OD	718.30 FT.	MFG.	HW
	RMR BODY OD	FT.	TYPE	X3
	STB BODY OD	FT.	NOZ. NO.	3
	SUBS OD	4.37 FT.	NOZ. SIZE	12
	BIT OR C.B.	FT.	SER NO	91166
		FT.	DEPTH OUT	5640
	KELLY DOWN	25 FT.	CUMULATIVE HOURS RUN	27¼
	TOTAL	5640 FT.	COND. OF BIT	2 2
WT OF STRING	LBS.		REAMER CUTTER NO.	
DRILLER			TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
3½		5561	5640		90	45	1100	5½	56			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

¼ Rig Serv + HYS Rams 4:00 4:15
3½ Drill 8¾ Hole 4:15 - 7:45
3½ Trip out Tight hole Pickup Kelly + change saver sub Break Circ @ 10 Pumped 6 Stands 7:45 - 11:15
¾ Trip out 11:15 - 12:00

DESILTER 3½
Boiler 8 hrs.

MUD RECORD

TIME	4:00		
WEIGHT	9.0		
VISC	46		
W.L.-C.C.	9.0		
FLTR. CK.	3/32		
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 31 DATE JAN 8-68

OPERATOR: SHELL CANADA LIMITED

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: SHELL TROUT LAKE No. D-41

PROVINCE: N.W.T.

CONTRACTOR: VABORS RIG No. 10

DRILL PIPE STRING NO. SIZE: TOOL JOINT 6" OD TYPE THD.

OPERATOR'S REPRESENTATIVE: R. L.

CONTRACTOR'S TOOL PUSHER: Lorne Tawlish

PUMPS

NO	MANUFACTURER	TYPE	STROKE LENGTH
1.	Wirth	C 250	
2.	"	C 250	
3.			

CASING & LINER RECORD

	SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
	9 5/8	J55-36	0	820				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL		23	24
REAMING	7¾	5¼	¼
CIRCULATING			¼
TRIPS			
DEVIATION SURVEY			¾
TEST B.O.P	1¼	¾	½
CUT OFF DRILL LINE			
REPAIR RIG		¼	
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. of TRIPS SINCE LAST CUT

CUMULATIVE TON MI. of TRIPS

NO. OF DAYS FROM SPUD 24

CUMULATIVE ROTATING HRS. 217¼ INCLUDES 3¾ hrs on Surface Hole.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	4209 FT.	RUN NO.	11
	SNGLS. DP	FT.	SIZE	7 7/8
24	D.C. 2 7/8 ID 6¼ OD	718.30 FT.	MFG.	HW
			TYPE	X3
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	12
	SUBS OD	FT.	SER. NO	9166
	BIT OR C.B.	FT.	DEPTH OUT	4965
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN 26	FT.	COND. OF BIT	
	TOTAL 4985	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: L. Shannon

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		4985		T.H.								

DEVIATION RECORD: DEPTH 4963 DEV. 1¼ DIRECTION

REMARKS

1¼ P.U. 5 Stds. 4505, 132 — 1215

7¾ Reaming From 4500 — 4750

Boiler 8 HRS.

MUD RECORD

TIME	400	1200	700
WEIGHT	9.3	9.3	9.3
VISC	95	95	90
W.L.-C.C.	8 cc	8 cc	8 cc
FLTR. CK.	2/32	2/32	2/32
PH	8	8	8
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	4302 FT.	RUN NO.	11
	SNGLS. DP	FT.	SIZE	5¾
24	D.C. 2 7/8 ID 6¼ OD	718.30 FT.	MFG.	HW
			TYPE	X3
	RMR BODY OD	FT.	NOZ. NO	3
	STB BODY OD	FT.	NOZ. SIZE	12
1	SUBS OD	31¼ FT.	SER. NO.	9166
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	23¼
	KELLY DOWN 26	FT.	COND. OF BIT	Run
	TOTAL 5050	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: O. Tomas

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2¾		4985	5050		55	45	1100	5½	56			

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

REMARKS

5 Ream And Rerream From 4750 To 4985

2 Drill 8¾ Hole

¼ Rig Serv And Pipe Rams

3¾ Drill

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	4490 FT.	RUN NO	11
	SNGLS. DP	FT.	SIZE	7 7/8
24	D.C. ID OD	718.30 FT.	MFG.	HW
			TYPE	X3
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	12
	SUBS OD	31¼ FT.	SER NO	9166
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	9½
	KELLY DOWN 18	FT.	COND. OF BIT	Run
	TOTAL 5225	FT.	REAMER CUTTER NO.	
	WT OF STRING 130 M M	LBS.	TYPE	

DRILLER: K. Valenac

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
6¾		5050	5225		85	45	1150	5½				

DEVIATION RECORD: DEPTH 5198 DEV. DIRECTION DEPTH DEV DIRECTION DEPTH DEV DIRECTION

REMARKS

¼ Rig Serv'y Hydril 1500 — 1515

6½ Drilling 8¾ Hole 415 — 1045

¼ Circ for survey 1045 — 1100

¾ Survey 1100 — 1145

¼ Drill 1145 — 1700

MUD RECORD

TIME	1500	1600	
WEIGHT	93		
VISC	64	64	
W.L.-C.C.	10 cc		
FLTR. CK.	3/32		
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CMC	450 lbs	Hi-Vis	4
Gel	4 sacks		
Diesel			
P. Magic			

P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 50 DATE Jan. 7 - 68.

OPERATOR: SHELL CANADA LIMITED

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: SHELL TROUT LAKE No. O-41

PROVINCE: N.W.T.

CONTRACTOR: NABORS. RIG No. 10

DRILL PIPE STRING NO. SIZE: TOOL JOINT 6" OD TYPE THD.

OPERATOR'S REPRESENTATIVE: H. Francis

CONTRACTOR'S TOOL PUSHER: Tim Cowlishaw

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	C-250	
2.	"	C-250	
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	J55-36	0	870.				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING	6½	2½	3¼
CIRCULATING			
TRIPS	1¼	5	1½
DEVIATION SURVEY			
TEST B.O.P	¼		
CUT OFF DRILL LINE			
REPAIR RIG		½	3¼
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS W/O D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	4209. FT.	RUN NO.	11
	SNGLS. DP	FT.	SIZE	8¾
24	D.C. ID 2⅜		MFG.	H.W
	D.C. OD 6¼	718.30 FT.	TYPE	X3
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	12
	SUBS OD	2.14 FT.	SER. NO	9166
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	24 FT.	COND. OF BIT	
	TOTAL	4985 FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: L. Alonzo

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		4985		T.H								

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4942	1½							

REMARKS

1¼ R. S. & BOPS. 12:00 - 12:15

1¼ RUN IN TO 4512. 12:15 - 1:30

CLEAN OUT FROM 4512 TO 4783 D COLLAR 1:30 -

6½ HANGING UP CLEAN KELLY DOWN + MAKE SHALE PACKING OFF CONNECTION + HAVE TO WORK KELLY BACK IN - 8:00

FAIR AMOUNT SHALE + CUTTINGS COMING OVER SHAKER.

BOILER 8 HRS

MUD RECORD

TIME	4:00	6:00
WEIGHT	9H	9H
VISC	85	85
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	11
	SNGLS. DP	FT.	SIZE	8¾
	D.C. ID		MFG.	HW
	D.C. OD	FT.	TYPE	X3
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	12
	SUBS OD	FT.	SER. NO.	9166
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: Bennett

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

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

REMARKS

REAM AND REREAM FROM 4730 TO 4900 - 8:00 10:30

Rig Serv & HYDRIL 10:30 10:45

WORK ON #2 PUMP DRIVE 10:45 11:00

Pull up into Casing. Pump out 2 singles 11:00 4:00

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	11
	SNGLS. DP	FT.	SIZE	7¾
	D.C. ID		MFG.	HW
	D.C. OD	FT.	TYPE	X3
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	12
	SUBS OD	FT.	SER. NO	9166
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT OF STRING	LBS.	TYPE	

DRILLER: R. LaCroix

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV.	DIRECTION

REMARKS

½ Trip out To Csg 4:00 - 4:30

1¼ Rig Serv W Hyd Rams 4:30 - 4:45

3 Install new Pump Clutch on #2 pump Work on Pump Rod 4:45 - 7:45

1 Trip in To 4800 7:45 - 8:45

3¼ Ream from 4800 - 4900 Hole sluffing in. Keeping Reamed

MUD RECORD

TIME	10:00	
WEIGHT	9.3	
VISC	64	
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 29 DATE Jun 6 1968

OPERATOR: SHELL CANADA LIMITED
CONTRACTOR: Nabors RIG No. 10
OPERATOR'S REPRESENTATIVE: H.C. Fannin
CONTRACTOR'S TOOL PUSHER: J. Kerbek
LOCATION LSD SEC TWP RGE W.
WELL NAME: Shell Trout Lake No. O-41
PROVINCE: N.W.T.
DRILL PIPE STRING NO. SIZE
TOOL JOINT 6" OD
TYPE THD.

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	C250	
2.	"	C250	
3.			

CASING & LINER RECORD

	SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
	9⅝	J55-36	0	870				

TIME DISTRIBUTION—HOURS

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

TIME SUMMARY (OFFICE USE ONLY)
CONTRACTOR'S TIME HRS:
OPERATOR'S TIME:
HRS. W/O D.P:
HRS WO/D.P:
HRS STANDBY

WIRE LINE RECORD
REEL NO
NO OF LINES SIZE
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. or TRIPS SINCE LAST CUT
CUMULATIVE TON MI. or TRIPS
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	4209 FT.	RUN NO.	11
	SNGLS. DP	FT.	SIZE	8¾
	D.C. ID		MFG.	Hw
	D.C. OD	718.30 FT.	TYPE	X3
	RMR BODY OD	FT.	NOZ. NO.	3/
	STB BODY OD	FT.	NOZ. SIZE	12
	SUBS OD	3.14 FT.	SER. NO	91166
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	—
	KELLY DOWN	24 FT.	COND. OF BIT	
	TOTAL	4985 FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: R. LaCroix

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

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

REMARKS: Waiting On Mechanic 12:00 - 8:00

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	4209 FT.	RUN NO.	11
	SNGLS. DP	FT.	SIZE	8¾
24	D.C. 2¾ ID 6¼ OD	718.30 FT.	MFG.	Hw
			TYPE	X3
	RMR BODY OD	FT.	NOZ. NO.	3/
	STB BODY OD	FT.	NOZ. SIZE	12.
	SUBS OD	3.14 FT.	SER. NO.	91166.
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	24 FT.	COND. OF BIT	
	TOTAL	4985 FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: L. Shannon

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		4985										

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4942	1½							

REMARKS:
4 WAIT ON MECHANIC - 8:00 - 12:00 } 8 HRS.
4 WORK ON Motor - 12:00 - 4:00

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	4209 FT.	RUN NO	11
	SNGLS. DP	FT.	SIZE	8¾
24	D.C 2¾ ID 6¼ OD	718.30 FT.	MFG.	Hw
			TYPE	X3
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	12
1	SUBS OD	3.14 FT.	SER NO	91166
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	24 FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT OF STRING	4985 LBS.	TYPE	

DRILLER: John Fannin

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS: Work on # 1 Motor 4:00 —

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 28 DATE JAN 5

OPERATOR: SHELL CANADA LIMITED | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: Shell Trout Lake No. 041 | PROVINCE: N.W.T.

CONTRACTOR: Nabors | RIG No. 10 | DRILL PIPE STRING NO. SIZE | TOOL JOINT 6" OD | TYPE THD 4½ H-90

OPERATOR'S REPRESENTATIVE: H.R. Francis | CONTRACTOR'S TOOL PUSHER: L. Towlush

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Nat.	C-250	
2.		"	
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	36 32.3	0	870				

TIME DISTRIBUTION—HOURS

	WORK	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING			
TRIPS			
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER	16	8	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	16	8	

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P.:

HRS W/C.D.P.:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	4209 FT.	RUN NO.	11
	SNGLS. DP	FT.	SIZE	8 3/4
	D.C. ID		MFG.	Hlw
	OD	71830 FT.	TYPE	X3
	RMR BODY OD	FT.	NOZ. NO.	3/
	STB BODY OD	FT.	SIZE	12
	SUBS OD	314 FT.	SER. NO	91166
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	0
	KELLY DOWN	34 FT.	COND. OF BIT	
	TOTAL	4995 FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: Richard LaCroix

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

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

8 Wait on Mechanic 8-8

MUD RECORD

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

MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	4209 FT.	RUN NO.	11
	SNGLS. DP	FT.	SIZE	8 3/4
24	D.C. 2 7/8 ID		MFG.	Hlw
	6¼ OD	71830 FT.	TYPE	X3
	RMR BODY OD	FT.	NOZ. NO.	3/
	STB BODY OD	FT.	SIZE	12
	SUBS OD	314 FT.	SER. NO.	91166
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	0
	KELLY DOWN	24 FT.	COND. OF BIT	
	TOTAL	4985 FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: L Shannon

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

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

REMARKS: 8. WAIT ON MECHANIC - 8:00 - 5:00

MUD RECORD

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

MUD & CHEMICALS ADDED: TYPE | AMT | TYPE | AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	4209 FT.	RUN NO	11
	SNGLS. DP	FT.	SIZE	8¾
24	D.C. 2 7/8 ID		MFG.	Hlw
	6¼ OD	71830 FT.	TYPE	X3
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	SIZE	12
1	SUBS OD	314 FT.	SER NO	91166
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	24 FT.	COND. OF BIT	
	TOTAL	4985 FT.	REAMER CUTTER NO.	
	WT OF STRING	LBS.	TYPE	

DRILLER: John Bonner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

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

REMARKS: 8 Wait on Mechanic

MUD RECORD

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

MUD & CHEMICALS ADDED: TYPE | AMT | TYPE | AMT

C.P.—38 (10/65)

DAILY DRILLING REPORT

REPORT NO. 27 DATE JAN 27/68

OPERATOR: SHELL CANADA LIMITED

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: Shell Trout Lake No. O-41 PROVINCE: N.W.T.

CONTRACTOR: Nabors RIG No. 10

DRILL PIPE STRING NO. SIZE TOOL JOINT 6" OD TYPE THD.

OPERATOR'S REPRESENTATIVE: H.C. Frame

CONTRACTOR'S TOOL PUSHER: Richard LaCroix

PUMPS

NO	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	C 250	15
2.		C 250	15
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	TH. FRC.	SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
7⅝	J55-36	0	870				

TIME DISTRIBUTION—HOURS

	HOUR	DAY	EVE
DRILLING ACTUAL	7	3/4	
REAMING			
CIRCULATING	1/4	3 1/4	
TRIPS		3/4	
DEVIATION SURVEY	1/2		
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG	1/4		
CORING			
WIRE LINE LOGGING			
OTHER			3
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	3

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. OF TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OF TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	4209 FT.	RUN NO.	10
	SNGLS. DP	FT.	SIZE	8 3/4
	D.C. ID		MFG.	HW
	D.C. OD	718.30 FT.	TYPE	X1G
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	12
	SUBS OD	3.14 FT.	SER. NO	92374
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	39 1/2
	KELLY DOWN	41 FT.	COND. OF BIT	
	TOTAL	4998 FT.	REAMER CUTTER NO.	
	WT. OF STRING	120,000 LBS.	TYPE	

DRILLER: Richard LaCroix

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		4870	4990		65	45	1100	-		5½	56	

DEVIATION RECORD: DEPTH 4942 DEV. 1 1/2 DIRECTION

REMARKS

1/4 Rig Serv. BOP's 12:00 / 12:15

3 3/4 Drill T/4 Hole 12:15 / 7:00

1/4 Circ. For Survey @ 4942 - 7:00 - 7:15

1/2 Survey

1/4 Drill 7:15 - 8:00

MUD RECORD		
TIME	9:00	5:00
WEIGHT	OH	9.3
VISC	49	55
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000#		
Diesel	4661		
H2Local	10gal		
Pro Mag	440#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	4209 FT.	RUN NO.	10
	SNGLS. DP	FT.	SIZE	8 3/4
	D.C. ID	2 3/4	MFG.	HW
24	D.C. OD	6 1/4 FT. 1030	TYPE	X1G
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	12
	SUBS OD	FT.	SER. NO.	92374
	BIT OR C.B.	FT.	DEPTH OUT	4985
		FT.	CUMULATIVE HOURS RUN	39 1/4
	KELLY DOWN	24 FT.	COND. OF BIT	—
	TOTAL	4985 FT.	REAMER CUTTER NO.	
	WT. OF STRING	122,000 LBS.	TYPE	

DRILLER: [illegible]

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
3/4		4970	4985	T.H.	65	45	1100			5½	56	

DEVIATION RECORD: DEPTH 4942 DEV. 1 1/2 DIRECTION

REMARKS

3/4 Drilling 8:00 - 8:45

3/4 Work on #1 motor + Circ + Rig Serv, BOPs 8:45 - 9:30

Try Coming out w/ 1 motor Hole Tight 120' off

2 1/2 Etm. Pick up Kelly - Circ + work out 7 Singles 9:30 - 12:00

3 3/4 mix mud + Circ w/ 1 motor 12:00 - 2:45

1 1/4 Hoisting For New Bit 2:45 - 4:00

#1 motor getting water in oil

MUD RECORD		
TIME	6:00	12:00
WEIGHT	9.3	9.3
VISC	60	57
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	12 sacks		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	11
	SNGLS. DP	FT.	SIZE	8 3/4
	D.C. ID		MFG.	Hughes
	D.C. OD	FT.	TYPE	J2
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	12
	SUBS OD	FT.	SER. NO	[illegible]
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: John Lonner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH DEV. DIRECTION

REMARKS

Finish Tripping out

Change Bit Ream Collars

Lost circulation

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 36 DATE June 3/68

OPERATOR: SHELL CANADA LIMITED | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: Shell Trout Lake No. O-41 | PROVINCE: N.W.T

CONTRACTOR: Nabors | RIG No. 45 | DRILL PIPE STRING NO. SIZE | TOOL JOINT 6" OD | TYPE THD.

OPERATOR'S REPRESENTATIVE: H.R. Francis | CONTRACTOR'S TOOL PUSHER: [illegible]

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1	N.o.T	C-250	15
2		C-250	15
3			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	J55-32	0	870				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7¼	6¾	2¾
REAMING			
CIRCULATING		¼	
TRIPS			
DEVIATION SURVEY		¾	
TEST B.O.P		¼	
CUT OFF DRILL LINE			
REPAIR RIG	½		¾
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)
CONTRACTOR'S TIME/HRS:
OPERATOR'S TIME:
HRS. W/D.P:
HRS WO/D.P:
HRS STANDBY

WIRE LINE RECORD

REEL NO
NO. OF LINES SIZE
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. or TRIPS SINCE LAST CUT
CUMULATIVE TON MI. or TRIPS
NO. OF DAYS FROM SKID
CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
12	STANDS DP	3872.52 FT.	RUN NO	10
	SNGLS. DP	FT.	SIZE	8¾
	D.C. ID		MFG.	HW
	D.C. OD	718.30 FT.	TYPE	XIG
	REAR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	12
	SUBS OD	3.14 FT.	SER. NO	98374
	BIT OR C.B.	FT.	DEPTH OUT	—
		FT.	CUMULATIVE HOURS RUN	5½
	KELLY DOWN	18.00 FT.	COND. OF BIT	2 out
	TOTAL	4612 FT.	REAMER CUTTER NO.	
WT. OF STRING	116,000 LBS.		TYPE	

DRILLER: Richard LaCroix

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
11¼		4463	4612		65	45	1100			5½	56	

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

REMARKS
¼ Bit #12 Reed Hydril 12:00-12:15
12¾ Drill 8¾ Hole 12:15 8:00

MUD RECORD

TIME	12:00	3:00	6:00
WEIGHT	9.5	9.5	9.5
VISC	56	54	51
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT.

Bailer & Hrs. Desilter 8 Hrs.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
5	STANDS DP	3964.79 FT.	RUN NO	10
5	SNGLS. DP	28.81 FT.	SIZE	8¾
24	D.C. 2⅞ ID		MFG.	Hwd
	D.C. 6⅜ OD	718.30 FT.	TYPE	XIG
	REAR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	12
	SUBS OD	3.14 FT.	SER. NO	92374
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	15¼
	KELLY DOWN	35.00 FT.	COND. OF BIT	2 out
	TOTAL	4250 FT.	REAMER CUTTER NO.	
WT. OF STRING	120,000 LBS.		TYPE	

DRILLER: [illegible]

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
6¾		4462	4750	T.N.	115	45	1100			5½	56	

DEVIATION RECORD: 4460 DEPTH | 1½ DEV. | | 4696 DEPTH | 1½ DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

REMARKS
½ R.S. sub's 8:00 - 8:15
4 Drilling 8:15 - 12:15
½ Circ. 12:15 - 12:30
¾ Survey @ 4696 12:30 - 1:15
2¾ Drilling 1:15 - 4:00

MUD RECORD

TIME	10:00	12:00	2:00
WEIGHT	9.5	9.5	9.5
VISC	50	52	50
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT.
GEL 50#
WATER

DESILTER DIS. = 10 DESILTER 8 HRS.
DESILTER RETURN = 9 BOILER 8 HRS.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	4117 FT.	RUN NO	10
	SNGLS. DP	FT.	SIZE	7⅞
7 pc	D.C. 2⅞ ID		MFG.	Hwd
	D.C. 6½ OD	718 FT.	TYPE	XIG
	REAR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	12
	SUBS OD	3.14 FT.	SER. NO	92374
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	35 FT.	COND. OF BIT	
	TOTAL	4570 FT.	REAMER CUTTER NO.	
WT. OF STRING	120,000 LBS.		TYPE	

DRILLER: [illegible]

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2¼		4750	4810		65	45	1100	5½	56			

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

REMARKS
Drill 8¾ Hole 4:00 - 4:30 - ½
Rig Service Adjust on Wire Lines 4:30 - 5:00 - ½
Drill 5:00 - 5:30 - ½
Work on Wire Lines 5:30 - 5:45 - ¼
Drilling 8¾ Hole 5:45 - 17:00 - 6¼

MUD RECORD

TIME	6:00 PM	10:00 PM	10:00 PM
WEIGHT	9.45	9.4	9.4
VISC	48	52	52
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT			

MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT.
GEL 2000#
WATER

Desilter 8 Hrs

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 25 DATE Jan 22/68

OPERATOR: SHELL CANADA LIMITED

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: Shell Trout Lake No. O-41 PROVINCE: N.W.T.

CONTRACTOR: Nabors RIG No. 12

DRILL PIPE STRING NO. SIZE: TOOL JOINT 6" OD; TYPE THD.

OPERATOR'S REPRESENTATIVE: H.E. Farmer

CONTRACTOR'S TOOL PUSHER: R. Lamb

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1	NAT	C250	15
2	"	C250	15
3			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	J55-32	80	870				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7	7½	2½
REAMING			¼
CIRCULATING	¼		
TRIPS			¼
DEVIATION SURVEY	½		
TEST B.O.P		¼	
CUT OFF DRILL LINE			
REPAIR RIG	¼	¼	½
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P.

HRS W/O D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO. OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	3549 FT.	RUN NO.	9
	SNGLS. DP	FT.	SIZE	8¾
	D.C. ID		MFG.	HW
	D.C. OD	718.30 FT.	TYPE	ODV
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	12
	SUBS OD	3¼ FT.	SER. NO	93727
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	21
	KELLY DOWN	39 FT.	COND. OF BIT	Run
	TOTAL	4335 FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: Richard LaCroix

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7		4325	4355		85	45	1100			5½	56	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4355	1¼°							

REMARKS

¼ Rig Service N½ Rams 12:00 - 12:15
3 Drilling 8¾ Hole 12:15 - 3:30
¼ Circ To Run Survey 3:30 - 3:45
½ Survey 3:45 - 4:00
4 Drill 8¾ Hole 4:00 - 8:00
½
8 Desilter 8 hrs Boiler 8 hrs

MUD RECORD

TIME	12:00	4:00
WEIGHT	93	99
VISC	54	61
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2000#		
CMC	100#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
40	STANDS DP	3622.24 FT.	RUN NO.	9
	SNGLS. DP	FT.	SIZE	8¾
24	D.C. 22½ ID		MFG.	HW
	D.C. 6¼ OD	718.30 FT.	TYPE	ODV
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	12
	SUBS OD	21¼ FT.	SER. NO.	93727
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	22½
	KELLY DOWN	2700 FT.	COND. OF BIT	Run
	TOTAL	4436 FT.	REAMER CUTTER NO.	
	WT. OF STRING	114,000 LBS.	TYPE	

DRILLER: L. LaCroix

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7½		4355	4436	H.	85	45	1100			5½	56	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4355	1¼							

REMARKS

½ Rig Service Ck, Bolts Ck, Motor, Shut offs + Kelly Cock, + work on Release Valve To Get Head 8:00-8:30
7½ Drill 8:30 — 4:00

MUD RECORD

TIME	10:00	12:30	2:00
WEIGHT	94	95	94
VISC	62	60	50
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel.	1100#		
Water			

Desilter — 8 Hrs Boiler 8 Hrs.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
	STANDS DP	3718 FT.	RUN NO	9	10
	SNGLS. DP	FT.	SIZE	8¾	8¾
21	D.C. 22½ ID		MFG.	HW	HW
	D.C. 6¼ OD	718 FT.	TYPE	ODV	XIC
	RMR BODY OD	FT.	NOZ. NO.	3	3
	STB BODY OD	FT.	NOZ. SIZE	12	12
	SUBS OD	21¼ FT.	SER NO	29229934	
	BIT OR C.B.	FT.	DEPTH OUT	4436	
		FT.	CUMULATIVE HOURS RUN	30	
	KELLY DOWN	2¼ FT.	COND. OF BIT	4&1	
	TOTAL	4463 FT.	REAMER CUTTER NO.		
	WT. OF STRING	LBS.	TYPE		

DRILLER

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2½		4436			80	45	1100	5½	56			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
4450	1¼							

REMARKS

Drill 8¾ Hole 4:00 — 11:30 — 1½
Survey @ 4450 1¼° 11:30 — 11:45
Trip out 11:45 — 2:00
RIH Bit & Clean Junk 2:00 — 5:00
Trip out 5:00 — 7:00
Wait On Cmt & Clean Tanks 7:00 —
Rig Up Hot 11:00 — 12:00

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
	1200#		
	50#		

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 24 DATE Jan 1/68

OPERATOR: SHELL CANADA LIMITED | LOCATION LSD. 6 SEC. 11 TWP. RGE. W. | WELL NAME: SHELL TROUT LAKE No. O-41 | PROVINCE: NWT

CONTRACTOR: NABORS | RIG No. 10 | DRILL PIPE STRING NO. SIZE | TOOL JOINT OD | TYPE THD.

OPERATOR'S REPRESENTATIVE: H.C. Monroe | CONTRACTOR'S TOOL PUSHER: A. Tamblyn

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	C-250	12
2.	"	C-250	12
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	J55-36	0	870				

TIME DISTRIBUTION—HOURS

	NOON	DAY	24 HR
DRILLING ACTUAL	1¼	14¼	
REAMING		¼	
CIRCULATING	3¼	4¼	
TRIPS	½	1¼	
DEVIATION SURVEY		¼	
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG	1		
CORING			
WIRE LINE LOGGING	1½		
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWAGGING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	16	

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
	STANDS DP	FT.	RUN NO.	8	9
	SNGLS. DP	FT.	SIZE	8¾	8¾
	D.C. ID		MFG.	HU	HU
	D.C. OD	118.30 FT.	TYPE	X1G	ODU
	RMR BODY OD	FT.	NOZ. NO.	3	3
	STB BODY OD	FT.	NOZ. SIZE	13	12
1	SUBS OD	3.14 FT.	SER. NO	9270	9220
	BIT OR C.B.	FT.	DEPTH OUT	2634	
		32 FT.	CUMULATIVE HOURS RUN	34	
	KELLY DOWN	FT.	COND. OF BIT		
	TOTAL	4020 FT.	REAMER CUTTER NO.		
	WT. OF STRING	LBS.	TYPE		

DRILLER: Richard LaCroix

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		3998	4020		65	30	1100	5½	56	5½	56	

DEVIATION RECORD: DEPTH 3970 DEV. 1⅛ DIRECTION — | DEPTH — DEV. — DIRECTION — | DEPTH — DEV. — DIRECTION —

REMARKS

1 Survey - 12° - 12°
1 Drill - 8¾ Hole 12° 1⁸⁸
½ Wocko Pipeline 12° 1⁴⁵
¾ Drill 1⁴⁵ - 2⁰⁰
¼ Trip out Tight Hole - 2⁰⁰ = 3³⁰ ¾
½ Ream 3980' Collars 3⁴⁵ - 4¹⁵
¾ Install Valve on BOP Manifold

MUD RECORD

TIME	1200
WEIGHT	9.5
VISC	57
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT.	
Gel	1500

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
	STANDS DP	3321.57 FT.	RUN NO.	9	
	SNGLS. DP	3016. FT.	SIZE	8¾	
24	D.C. ID		MFG.	H.W.	
	D.C. OD	718.30 FT.	TYPE	ODV	
	RMR BODY OD	FT.	NOZ. NO.	3	
	STB BODY OD	FT.	NOZ. SIZE	12	
	SUBS OD	3.14 FT.	SER. NO	9220 RUN.	
	BIT OR C.B.	FT.	DEPTH OUT	4020	
		24.00 FT.	CUMULATIVE HOURS RUN	58 RUN	
	KELLY DOWN	40.22 FT.	COND. OF BIT		
	TOTAL	110.00 FT.	REAMER CUTTER NO.		
	WT. OF STRING	LBS.	TYPE		

DRILLER: L. Shannon.

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
6¼		4020	4097	T.I.H.	65	#5 1138		5½	56	5½	56	

DEVIATION RECORD: DEPTH 3970 DEV. 1⅛ DIRECTION — | DEPTH — DEV. — DIRECTION — | DEPTH — DEV. — DIRECTION —

REMARKS

¼ R.S. Ck. Bops 8⁰⁰ — 8¹⁵ Daywork 2 - 10 - 68
Run in Hole + Lay Down 6 Singles Diff (632) 8¹⁵ — 8³⁰
8³⁰ T.I.H. 2'
Drill 8¾" Hole 9³⁰ — 9⁴⁵

MUD RECORD

TIME	10⁰⁰	12⁰⁰ 12⁰⁰
WEIGHT		9.7 10.1
VISC		110 [illegible]
W.L.-C.C.		8.5
FLTR. CK.		10
PH		7.2
SD. CONT.		8.5

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

QMC 100 Water
Caustic 50 Diesel 4295L
Attasol 45 Gal

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
	STANDS DP	1¼ FT.	RUN NO.	9	
	SNGLS. DP	FT.	SIZE	8¾	
24	D.C. ID		MFG.	HU	
	D.C. OD	718.30 FT.	TYPE	ODV	
	RMR BODY OD	FT.	NOZ. NO.	3	
	STB BODY OD	FT.	NOZ. SIZE	12	
	SUBS OD	3.14 FT.	SER. NO	9220	
	BIT OR C.B.	FT.	DEPTH OUT	14	
		44' FT.	CUMULATIVE HOURS RUN		
	KELLY DOWN	41.91 FT.	COND. OF BIT		
	TOTAL	48.00 FT.	REAMER CUTTER NO.		
	WT. OF STRING	LBS.	TYPE		

DRILLER: John Zemer.

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
14		4097	4111		50	15	1200	5½	56			

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

REMARKS

Making 3 Std Wiper Trip
4097 — 4111 14
4111 — 4111 0

MUD RECORD 10 PM

TIME		5PM	9.3
WEIGHT	9.3	9.3	54
VISC	52	5	
W.L.-C.C.			
FLTR. CK.		9	
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel			
Water			

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 23 DATE Dec 31st 67

OPERATOR: SHELL CANADA LIMITED | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: SHELL TROUT LAKE No. O-41 | PROVINCE: N.W.T.

CONTRACTOR: NABORS | RIG No. 10 | DRILL PIPE STRING NO. SIZE | TOOL JOINT 6 OD | TYPE THD.

OPERATOR'S REPRESENTATIVE: W. Francis | CONTRACTOR'S TOOL PUSHER: E. Faulk

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	C330	15
2.			
3			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO
9⅝	36	0	873		

CEMENT USED: | OTHER:

MORNING TOUR

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7	7¼	7½
REAMING			
CIRCULATING	¼		¼
TRIPS			
DEVIATION SURVEY	½		
TEST B.O.P		¼	
CUT OFF DRILL LINE			
REPAIR RIG	¼	¼	¼
SCRING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

DRILLING ASSEMBLY

STANDS DP	5165.30	FT.
SNGLS. DP		FT.
D.C. ID		
D.C. OD	542.69	FT.
RMR BODY OD		FT.
STB BODY OD		FT.
SUBS OD	3.14	FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN	41	FT.
TOTAL	3750	FT.
WT. OF STRING		LBS.

BIT RECORD

RUN NO.	8
SIZE	8¾A
MFG.	HW
TYPE	XIG
NOZ. NO.	3
NOZ. SIZE	12
SER. NO	48470
DEPTH OUT	
CUMULATIVE HOURS RUN	12
COND. OF BIT	RUN
REAMER CUTTER NO.	
TYPE	

DRILLER: Richard LaBrie

NRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		3560	3752		65	30	1100	5½	56	5½		

DEVIATION RECORD: DEPTH 3720

¼ Rig Servy 4½ Rams-12°-Remarks ¼
7 Drilling 8⅝ Hole — 12° 192 FT
¼ Swasey Circ To Run Survey 7½-7³⁰
½ Survey 7³⁰-8°
(Ran Dissler 3 hr.) Boiler Fl.
Ref.

MUD RECORD

TIME	12
WEIGHT	9.3 / 9.5
VISC	51 / 48
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT.	

MUD & CHEMICALS ADDED: Gel 150#

DAY TOUR

DRILLING ASSEMBLY

STANDS DP	3518.21 FT.
SNGLS. DP	— FT.
D.C. ID	7¾
D.C. OD	542.69 FT.
RMR BODY OD	FT.
STB BODY OD	FT.
SUBS OD	3.14 FT.
BIT OR C.B.	FT.
	FT.
KELLY DOWN	39 FT.
TOTAL	5893. FT.
WT. OF STRING	98,000 LBS.

BIT RECORD

RUN NO.	8
SIZE	8¾
MFG.	H.W
TYPE	XIG
NOZ. NO.	3
NOZ. SIZE	12
SER. NO	92470
DEPTH OUT	Run
CUMULATIVE HOURS RUN	19½
COND. OF BIT	Run
REAMER CUTTER NO	
TYPE	

DRILLER: E. Shannon

NRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7½		3752	5895	T.H.	65	30	1100	5½	56	5¼		

DEVIATION RECORD: DEPTH 5722 DEV. ¾°

¼ R. S. & B.S. 8⅝-8¾ REMARKS
6¼ Drilling 8¾-22
¼ Repair R.C. Water Pump in Subs 22-23
¼ Drill 23-24
Crew Man & Rig.

MUD RECORD

TIME	10⁰⁰	12⁰⁰	2⁰⁰
WEIGHT	9.6	9.5	9.4
VISC	56	55	50
W.L.-C.C.	9.0		
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED: Gel 500 Diesel 463L; CMC 100 Water; Caustic 50; Dildsol 4 Gal.

EVENING TOUR

DRILLING ASSEMBLY

STANDS DP	3411 FT.
SNGLS. DP	FT.
D.C. ID	2¼
D.C. OD	5½ 542. FT.
RMR BODY OD	FT.
STB BODY OD	FT.
SUBS OD	3.14 FT.
BIT OR C.B.	FT.
	FT.
KELLY DOWN	41 FT.
TOTAL	3998 FT.
WT. OF STRING	118 LBS.

BIT RECORD

RUN NO.	6
SIZE	8¾
MFG.	H.W
TYPE	XIG
NOZ. NO.	3
NOZ. SIZE	12
SER. NO	92470
DEPTH OUT	
CUMULATIVE HOURS RUN	27
COND. OF BIT	Run
REAMER CUTTER NO.	
TYPE	

DRILLER: Gordon Turner

NRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		3893	3998		60	30	1100	5½	56			

DEVIATION RECORD: DEPTH DEV. DIRECTION

Drilling 3998-4008 REMARKS
Circ & Wash
Trip
Circ To Run Survey 11⁰⁰-12⁰⁰
Crew Man & Rig.

MUD RECORD

TIME	6⁰⁰ Rig	8⁰⁰	10⁰⁰
WEIGHT	9.5	9.2	9.4
VISC	49	42	52
W.L.C.C			
FLTR CK			
PH			
SD CONT			

MUD & CHEMICALS ADDED: Gel 200#

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	

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:	
OPERATOR'S TIME:	
HRS. W/D.P:	
HRS WO/D.P:	
HRS STANDBY	

C.P.—35 (10/63)

DAILY DRILLING REPORT

REPORT NO. 22 DATE Dec 30/67

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED						SHELL Trout Lake	A-41	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	OD
NABORS	16	4½	TYPE THD. XH	6"

OPERATOR'S REPRESENTATIVE	CONTRACTOR'S TOOL PUSHER
H.R. Francis	D. Faulkner

PUMPS

NO	MANUFACTURER	TYPE	STROKE LENGTH
1.	NOT	C-250	15"
2	"	"	"
3.			

CASING & LINER RECORD

SIZE	WT. & GR	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	36	0	270				

TIME DISTRIBUTION—HOURS

	NOON	DAY	EVE
DRILLING ACTUAL			4½
REAMING	4½	3½	
CIRCULATING			2¾
TRIPS	1¼		
DEVIATION SURVEY			¼
TEST B.O.P	¼		¼
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER	1½	1½	
FISHING	8	8	8
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS W/O D.P.

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	7
	SNCLS. DP	FT.	SIZE	8¾
	D.C. ID		MFG.	H.W.
	D.C. OD	FT.	TYPE	X16
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	12
	SUBS OD	FT.	SER. NO	92070
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER John Zenner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3050	10							

REMARKS

Finish Tripping out	12⁰⁰ – 12³⁰ – ½
Rig Serv/Ark Hand	12³⁰ – 12⁴⁵ – ¼
Make up BIT Trip in	12⁴⁵ – 2⁰⁰ – 1¼
Ream From 2600 To 3250	2⁰⁰ – 6³⁰ – 4½
Pump into Formation no Lost Circ	6³⁰ – 8⁰⁰ – 1½

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	2894 FT.	RUN NO	8
	SNCLS. DP	FT.	SIZE	8¾
	D.C. ID		MFG.	H.W.
	D.C. OD	542.69 FT.	TYPE	X16
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	3/32
	SUBS OD	3.14 FT.	SER. NO.	92470
	BIT OR C.B.	FT.	DEPTH OUT	—
		FT.	CUMULATIVE HOURS RUN	—
	KELLY DOWN	33 FT.	COND. OF BIT	New
	TOTAL	3460 FT.	REAMER CUTTER NO.	—
WT. OF STRING		LBS.	TYPE	—

DRILLER Richard Lefroy

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
—	—	—	—	—	—	—	—	—	—	—	—	—

DEVIATION RECORD:

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

REMARKS

Losing mud into formation, unable to Circ. Pull out	
Stop Inject. Wait Work pipe out To 2800	7⁰⁰-12³⁰
Break Circ + Ream From 2800' To 3250	12³⁰-4⁰⁰

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Cell Loss			
Solvent			
WATER			

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	2894 FT.	RUN NO	8
1	SNCLS. DP	314 FT.	SIZE	8¾
14	D.C. 6¼ ID		MFG.	H.W.
	D.C. 6¼ OD	542.69 FT.	TYPE	X16
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	3/32
	SUBS OD	3.14 FT.	SER. NO.	92470
	BIT OR C.B.	FT.	DEPTH OUT	3460
		FT.	CUMULATIVE HOURS RUN	3
	KELLY DOWN	33 FT.	COND. OF BIT	X-1
	TOTAL	3460 FT.	REAMER CUTTER NO.	—
WT. OF STRING	90	100 LBS.	TYPE	—

DRILLER C. Thomson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
5		3446	3560	T.H.	60	30	1100	5½	56			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
3450	10							

REMARKS

½ Circulating out To Circ	4⁰⁰ – 4³⁰
1½ R.S. ck Bops	4³⁰ – 4⁴⁵
2¼ Circulating To Circ	4⁴⁵ – 7⁰⁰
5 Drilling	7⁰⁰ – 12⁰⁰

MUD RECORD

TIME			
WEIGHT	9.4	9.4	9.5
VISC	56	46	52
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

CR—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 21 DATE Dec 29/67

OPERATOR: SHELL CANADA LIMITED | LOCATION LSD SEC TWP RGE W | WELL NAME: Shell Trout Lake | NO. 0-41 | PROVINCE: N.W.T.

CONTRACTOR: HUGHES | RIG NO. 16 | DRILL PIPE STRING NO. SIZE 4½ | TOOL JOINT OD | TYPE THD H 90

OPERATOR'S REPRESENTATIVE: H. France | CONTRACTOR'S TOOL PUSHER: J. Trumbley

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1	NAT.	C-40	12
2			
3			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝"	K	0	62				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7½	7¾	2½
REAMING			
CIRCULATING			
TRIPS			¾
DEVIATION SURVEY	½		¼
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG	½	¼	¼
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P.

HRS W/O D.P.

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY

STANDS DP	2231 FT.		
SNGLS. DP	FT.		
17 D.C. 7 ID / 6¼ OD	542. FT.		
RMR BODY OD	FT.		
STB BODY OD	FT.		
SUBS OD	3.17 FT.		
BIT OR C.B.	FT.		
	FT.		
KELLY DOWN	41 FT.		
TOTAL	3217 FT.		
WT. OF STRING	80M LBS.		

DRILLER: John Pounder

BIT RECORD

RUN NO.	7
SIZE	9⅞
MFG.	Hyc
TYPE	XIC
NOZ. NO.	3
NOZ. SIZE	12/32
SER. NO.	93509
DEPTH OUT	
CUMULATIVE HOURS RUN	23
COND. OF BIT	Run
REAMER CUTTER NO.	
TYPE	

HRS DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		3224	3217		60	36	1100	5½	51	5½		

DEVIATION RECORD: DEPTH 3240 DEV. 1¼ DIRECTION

REMARKS: Drlg 8¾ Hole; Rig Srv and Rig'd; Drlg; Tripping BT 3230 - 1¼°

18⁰⁰ – 3⁰⁰	–	9
3⁰⁰ – 3¹⁵	–	¼
7⁰⁰ – 7³⁰	–	½
7³⁰ – 8⁰⁰	–	½

MUD RECORD

	2 AM	4 AM	6 AM
TIME			
WEIGHT	9.7	9.6	9.4
VISC	91	65	43
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CMC	50		

DAY TOUR

DRILLING ASSEMBLY

STANDS DP	28548 FT.		
SNGLS. DP	FT.		
D.C. ID / OD	540.69 FT.		
RMR BODY OD	FT.		
STB BODY OD	FT.		
SUBS OD	3.14 FT.		
BIT OR C.B.	FT.		
	FT.		
KELLY DOWN	35 FT.		
TOTAL	3435 FT.		
WT. OF STRING	LBS.		

DRILLER: Richard LaCroix

BIT RECORD

RUN NO.	7
SIZE	9⅞
MFG.	Hyc
TYPE	XIC
NOZ. NO.	2-2-1
NOZ. SIZE	
SER. NO.	93509
DEPTH OUT	
CUMULATIVE HOURS RUN	
COND. OF BIT	Run
REAMER CUTTER NO.	
TYPE	

HRS DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		3317	3435		65	30	1100	5½	58			

DEVIATION RECORD: DEPTH DEV. DIRECTION

REMARKS: Drill 8¾ Hole 3⁰⁰–9²⁰; Rig Srv + HY2 Rams 9⁰⁰ 9³⁰–¼; Drill 8¾ Hole 6¾; Trip; Drilla ran 6 hr. Release to Tank 9.0. to Lucky B. 10.2.

MUD RECORD

	8 AM	12 Noon
TIME		
WEIGHT	9.4	9.6
VISC	49	47
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Lime	H Bag		
HT Lond	4 Gal		

EVENING TOUR

DRILLING ASSEMBLY

31 STANDS DP	2554 FT.		
1 SNGLS. DP	30.21 FT.		
18 D.C. 2¼ ID / 6¼ OD	542.69 FT.		
RMR BODY OD	FT.		
STB BODY OD	FT.		
SUBS OD	2.14 FT.		
BIT OR C.B.	FT.		
	FT.		
KELLY DOWN	35 FT.		
TOTAL	3466 FT.		
WT. OF STRING	82,000 LBS.		

DRILLER: L. Llanos

BIT RECORD

RUN NO.	7
SIZE	8¾
MFG.	Hyc
TYPE	XIC
NOZ. NO.	2-1
NOZ. SIZE	12-11
SER. NO.	93509
DEPTH OUT	3466
CUMULATIVE HOURS RUN	23.
COND. OF BIT	Hoist
REAMER CUTTER NO.	
TYPE	

HRS DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2¼		3435	3466		60	30	1100	5½	60			

DEVIATION RECORD: DEPTH 3230 DEV. 1¼ DIRECTION

REMARKS: 1/4 R.S. ck. 6 ft. 2¼ Drill 1/4 Survey @ 3466. 1½ Hoist 4 stds. Tight 4½ Pump out 15 Singles from 3096' 3¼ Hoisting BT

4⁰⁰ – 4³⁰	–	½
4¹⁵ – 6⁴⁵	–	2¼
6⁴⁵ – 6⁵⁰	–	¼
6⁵⁰ 7⁵⁵	–	1¼
7⁵⁵ 11⁵⁵	–	4 hr
11⁵⁵ 12⁰⁰	–	¼

MUD RECORD

	4 PM	8 PM
TIME		
WEIGHT	9.5	9.6
VISC	47	50
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Dicter Kcl Form			
Discherge			419

DARK SAFETY FILM

C.P.—3B (10/63)

DAILY DRILLING REPORT

REPORT NO. 20 DATE Dec 28/67

OPERATOR: SHELL CANADA LIMITED
CONTRACTOR: Nabors — RIG No 10
OPERATOR'S REPRESENTATIVE: H.G. France
CONTRACTOR'S TOOL PUSHER: R. Hobbs

LOCATION LSD. SEC. TWP. RGE. W.

DRILL PIPE STRING NO. SIZE — TOOL JOINT 6" OD — TYPE THD 4½-IF

WELL NAME: SHELL Trout Lake No. O-41 PROVINCE N.W.T.

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	National	C-250	15"
2.	"	"	"
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	J-55 32#	0	870				

TIME DISTRIBUTION—HOURS

	HORN	DAY	EVE
DRILLING ACTUAL	12½	6	5¾
REAMING	¼		
CIRCULATING	½		
TRIPS	4¾		
DEVIATION SURVEY	¼		½
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG	½	1	¼
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	24		

TIME SUMMARY (OFFICE USE ONLY)
CONTRACTOR'S TIME HRS:
OPERATOR'S TIME:
HRS. W/D.P:
HRS W/O D.P:
HRS STANDBY

WIRE LINE RECORD

REEL NO
NO OF LINKS SIZE
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. or TRIPS SINCE LAST CUT
CUMULATIVE TON MI. or TRIPS
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	2210 FT.	RUN NO.	2
	SNGLS. DP	FT.	SIZE	8¾
	D.C. ID		MFG.	Hw
	D.C. OD	542. FT.	TYPE	X16
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	2-10-11
	SUBS OD	3.14 FT.	SER. NO	92509
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	½
	KELLY DOWN	41 FT.	COND. OF BIT	
	TOTAL	2799 FT.	REAMER CUTTER NO.	
	WT. OF STRING	68000 LBS.	TYPE	

DRILLER: John Pennell

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
½		2785	2797									

DEVIATION RECORD:

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

REMARKS

Finish Taping Act Rig Serv + Blind Rams. 12:00 12:30 — ½
Pick up 2 Drill Collars Trip In To 1855 — 12:30 12:45 — ¼
Ream And Rerean Hole Starting from 2220 1855 To 2266 — 12:45 2:30
Run In 4 Stands Picking up 7 Singles — 6:30 7:00 — ½
Break Circ + Clean To DTM — 7:00 7:15 — ¼
Clean Kelly Cock — 7:15 7:30 — ¼

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	2483.71 FT.	RUN NO.	1
	SNGLS. DP	FT.	SIZE	8¾
	D.C. ID		MFG.	Hw
	D.C. OD	542.60 FT.	TYPE	X16
	RMR BODY OD	FT.	NOZ. NO	3/12
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	3.14 FT.	SER. NO	92509
	BIT OR C.B.	FT.	DEPTH OUT	3224
		FT.	CUMULATIVE HOURS RUN	14¾
	KELLY DOWN	31 FT.	COND. OF BIT	Run
	TOTAL	3060 FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: Richard Lavoie

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
			3066									

DEVIATION RECORD: Rig Serv @ Hydril 5°-8°-1¼ — Drilling 8°-2°

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

REMARKS

Drilling — 2:00 5¾
Drill Blow Down Compressor 2:00 2:15
Drilling — 2:30 — ½
Survey — 3:15 3:45 ½
Drill — 3:45 — 4:00 ¼

MUD RECORD

TIME	8:00	2:00	
WEIGHT	9.6	9.6	
VISC	63	60	
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	2669.79 FT.	RUN NO	1
	SNGLS. DP	FT.	SIZE	8 3/4
	D.C. ID		MFG.	Hw
	D.C. OD	542.60 FT.	TYPE	X16
	RMR BODY OD	FT.	NOZ. NO.	3/12
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	3.14 FT.	SER NO	92509
	BIT OR C.B.	FT	DEPTH OUT	3224
		FT.	CUMULATIVE HOURS RUN	14¾
	KELLY DOWN	10 FT.	COND. OF BIT	Run
	TOTAL	FT.	REAMER CUTTER NO.	
	WT OF STRING	78m LBS.	TYPE	

DRILLER: Donald Vig

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7¾		3060	3224	164	60-85	35	1100	5½		5½	60	5

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

¼ Rig Serv @ Hydril 4:00 — 4:15
7¾ Drlg — 4:15 — 12:00

MUD RECORD

TIME	4:00	8:00	11:00
WEIGHT	9.6	9.5	9.1
VISC	56	52	58
W.L.-C.C.			
FLTR CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Cal	3000#		
Water			

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 19 DATE Dec 27/67

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED						SHELL TROUT LAKE	O-41	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	OD
NABORS	10		TYPE TND. XH	11 6H

OPERATOR'S REPRESENTATIVE: H.C. Towne

CONTRACTOR'S TOOL PUSHER: R. Lake

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	National	C250	15"
2.			
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	J55 36	0	870				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7		
REAMING			5½
CIRCULATING			
TRIPS			
DEVIATION SURVEY	¼		
TEST B.O.P			1
CUT OFF DRILL LINE			
REPAIR RIG	3¾		
CORING			2
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8		

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	1904 FT.	RUN NO.	6
2	SNGLS. DP	FT.	SIZE	8¾
16	D.C. ID 2¼	480. FT.	MFG.	HW
	D.C. OD 6¼		TYPE	OSC3A
4	RMR BODY OD	FT.	NOZ. NO.	3
1	STB BODY OD	FT.	NOZ. SIZE	7/16 15/16
	SUBS OD	3.14 FT.	SER. NO	91702
	BIT OR C.B.	FT.	DEPTH OUT	2418
12		FT.	CUMULATIVE HOURS RUN	17½
	KELLY DOWN	31 FT.	COND. OF BIT	
	TOTAL	2418 FT.	REAMER CUTTER NO.	
	WT. OF STRING	65000 LBS.	TYPE	

DRILLER: John Towne

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7		2176	2418		85	25	1100	5½	60			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2150	¾							

REMARKS

Drlg 8¾ Hole	12⁰⁰ 12¹⁵	¼
Rig Serv and Pipe Rams	12¹⁵ 12³⁰	¼
Survey at 2150 - ¾°	12³⁰ 12⁴⁵	¼
Drlg	12⁴⁵ 7³⁰	6¾
Repair Mud Line	7³⁰ 8⁰⁰	½

MUD RECORD

TIME	7:00	6:00
WEIGHT	92	90
VISC	46	37
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	750		

DAY TOUR

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

DRILLER: Richard McCrae

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
5¼		2415	2673		85	30	1100	5½	60			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
								4° - S

REMARKS

Repair Mud Line	8³⁰ - 8³⁵	½
Drill	8⁴⁵ - 9⁰⁰	¼
Rig Serv Hydril	9⁰⁰ - 9¹⁵	¼
Survey	9¹⁵ - 9³⁰	¼
Drill	9³⁰ - 11⁰⁰	1½
Repair Cameron Mud Line	11⁰⁰ - 11³⁰	½
Drill	11³⁰ - 9¹⁵	1¼
Repair Washpipe on Packer	9¹⁵ - 9⁴⁵	½
Drill	9⁴⁵ - 12⁰⁰	2¼

MUD RECORD

TIME		
WEIGHT		
VISC.		
W.L.-C.C.		
FLTR. CK.		2 -
PH	9.0	9.0
SD. CONT.	¼	40
	—	10

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	750		
Diesel	4BBL		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
	STANDS DP	2278.82 FT.	RUN NO	6	7
	SNGLS. DP	FT.	SIZE	8¾	8¾
	D.C ID		MFG.	H.W	H.W
	D.C OD	480.69 FT.	TYPE	OSC3A	X1G
	RMR BODY OD	FT	NOZ. NO.	3/16	2/12/16
	STB BODY OD	FT.	NOZ. SIZE		
	SUBS OD	3.14 FT.	SER NO	91702	92509
	BIT OR C.B.	FT	DEPTH OUT	890	
		FT.	CUMULATIVE HOURS RUN	20½	
	KELLY DOWN	30 FT.	COND. OF BIT		
	TOTAL	2785 FT.	REAMER CUTTER NO.		
	WT OF STRING	72m LBS.	TYPE		

DRILLER: Donald Vig

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2¾		2673	2785	112	85	30	1100	5½	60			S

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

¼	Rig Serv @ 4½ Rams & Motor Shutoffs	4:00 - 4:15 - ¼
¼	Survey	4:15 - 4:30 - ¼
¼	Repair Drawworks	4:30 - 4:45
2¾	Drlg 8¾ Hole	4:45 - 7:30
¼	Survey	7:30 - 7:45
4¼	Trip Out Pump Out Tight Hole	7:45 , 2:00

MUD RECORD

TIME		
WEIGHT	5:00	8:00
VISC	9.2	9.2
W.L.-C.C.	42	40
FLTR. CK.		
PH		
SD. CONT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Water			

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 18 DATE Dec 26/67

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED		SHELL TROUT LAKE	O-41	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT 6" OD	TYPE THD. XH-HT
NABORS	10		4½	

OPERATOR'S REPRESENTATIVE	CONTRACTOR'S TOOL PUSHER
W. France	P. Clark

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	C350	15"
2.	"	"	"
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	J-55-36	0	870				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			5¼
REAMING			3¼
CIRCULATING			
TRIPS			1½
DEVIATION SURVEY			
T&ST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG			3¼
CORING			
WIRE LINE LOGGING			
OTHER	8	8	8
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

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

DRILLER John Turner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

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

REMARKS

Wait on Boiler 12:00 7:00
Unload Boiler 7:00 8:00

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

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

DRILLER

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

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

REMARKS

Spot & Level Boiler Hook up Water lines
+ Fire up Boiler. Put up Boiler Trailer
Get Steam Circulating 8-4:00 Hrs.

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	1657.99 FT.	RUN NO	6
	SNGLS. DP	FT.	SIZE	8¾
	D.C. ID / OD	480.69 FT.	MFG.	HW
			TYPE	DSC163
	RMR BODY OD	FT.	NOZ. NO.	3/11 4/12
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	31.14 FT.	SER NO	91702
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	5½
	KELLY DOWN	36 FT.	COND. OF BIT	RUN
	TOTAL	5176 FT.	REAMER CUTTER NO.	
	WT. OF STRING	63 LBS.	TYPE	

DRILLER Donald Vig

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
¾		2151	2176	25	100	25	1200	5½				

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

3¼	Repair Steam Lines 4:00 - 7:15 Mud Lines & Thaw Kelly
¼	Rig Serv @ Hydril 7:15 - 7:30
½	Trip In. 7:30 - 8:00
3¼	Ream & Ream Stuffing Hole 1830 To 2151 - 8:00 11:15
¾	Drlg 8¾ Hole

MUD RECORD

TIME			11:30
WEIGHT			9.2
VISC			53
W.L.-C.C.			
FLTR CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Col	11 Sks		
Water			

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 17 DATE Dec 25/67

OPERATOR: SHELL CANADA LIMITED

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: SHELL Forcut Lake No. Q41

PROVINCE: N.W.T.

CONTRACTOR: NABORS RIG No. 10

DRILL PIPE STRING NO. SIZE 4½

TOOL JOINT 6" OD TYPE THD. XH-H90

OPERATOR'S REPRESENTATIVE: H R Evans

CONTRACTOR'S TOOL PUSHER: R J Baker

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	C250	15
2.	"	"	"
3.			

CASING & LINER RECORD

SIZE	WT. & GR	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	36-K	0	870				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	4¾		
REAMING			
CIRCULATING			
TRIPS	1½		
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG	¼		
CORING			
WIRE LINE LOGGING			
OTHER	1½	8	8
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS W/O D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	1626 FT.	RUN NO.	6
	SNGLS. DP	FT.	SIZE	8¾
16	D.C. 2¼ ID 6" OD	480 FT.	MFG.	Hyc
	RMR BODY OD	FT.	TYPE	OSC1G
	STB BODY OD	FT.	NOZ. NO.	3
	SUBS OD	31.41 FT.	SIZE	2/11 12
	BIT OR C.B.	FT.	SER. NO	91702
		FT.	DEPTH OUT	
	KELLY DOWN	41 FT.	CUMULATIVE HOURS RUN	4¾
	TOTAL	2151 FT.	COND. OF BIT	Pull
WT. OF STRING		9000 LBS.	REAMER CUTTER NO.	
			TYPE	

DRILLER: John Brewer

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
4¾		1895	2151		85	25	1100	5½	61			

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

REMARKS

Rig Serv and Hy Drl 10.00 12.15 — ¼

Drlg 8¾ Hole 12.15 5.00 — 4¾

Pull out To Casing. 5.00 6.30 — 1½

Wait on Boiler 6.30 8.00 — 1½

MUD RECORD

TIME	
WEIGHT	8.9
VISC	32
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT.	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Col	25	Sts	

DAY TOUR

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

DRILLER: Richard Palmer

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

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

REMARKS

Wait On Boiler 8 — ¼ — 8

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

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

DRILLER: Donald Vig

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

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

REMARKS

8 Wait On Boiler 4½ — 12.00

MUD RECORD

TIME	
WEIGHT	8.9
VISC	36
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Diesel	466		
ATlasol	396		

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 16 DATE Dec 24/67

OPERATOR: SHELL CANADA LIMITED | LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME: SHELL TROUT LAKE No. O-41 | PROVINCE: N.W.T.

CONTRACTOR: NABORS | RIG No. 10 | DRILL PIPE STRING NO. SIZE | TOOL JOINT 6" OD | TYPE THD. 4H-NC

OPERATOR'S REPRESENTATIVE: W Francis | CONTRACTOR'S TOOL PUSHER: R L Baker

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C250	15"
2.	"	"	"
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	J55-36	0	870				

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING			
TRIPS		¾	2¼
DEVIATION SURVEY			
TEST B.O.P		¼	¼
CUT OFF DRILL LINE			
REPAIR RIG	8	9	7
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING	8	9	8
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS			

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. IN TRIPS SINCE LAST CUT

CUMULATIVE TON MI. IN TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY

STANDS DP		FT.	
SNGLS. DP		FT.	
D.C. ID			
D.C. OD		FT.	
RMR BODY OD		FT.	
STB BODY OD		FT.	
SUBS OD		FT.	
BIT OR C.B.		FT.	
		FT.	
KELLY DOWN	7875	FT.	
TOTAL	1895	FT.	
WT. OF STRING		LBS.	

DRILLER: John Semande

BIT RECORD

RUN NO.	
SIZE	
MFG.	
TYPE	
NOZ. NO.	
NOZ. SIZE	
SER. NO	
DEPTH OUT	
CUMULATIVE HOURS RUN	
COND. OF BIT	
REAMER CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

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

REMARKS: Repair #2 Motor — 12:00 — 8:00 — 8

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

DRILLING ASSEMBLY

STANDS DP		FT.	
SNGLS. DP		FT.	
D.C. ID			
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.	

DRILLER: Richard McCrae

BIT RECORD

RUN NO.	6
SIZE	8¾
MFG.	HW
TYPE	DSC 10
NOZ. NO.	3/4/4/4
NOZ. SIZE	
SER. NO.	
DEPTH OUT	9170
CUMULATIVE HOURS RUN	
COND. OF BIT	
REAMER CUTTER NO.	Nil
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		1895						5½		5½		

DEVIATION RECORD:

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

REMARKS:
Rig Serv't Blind Rams - 8:00 - 8:15 - ¼
Trip in to Btm of Csg - 8:15 - 9:00 - ¾
Circ & Cond mud & Repair #2 motor - 9:00 - 4:00 - 7

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

DRILLING ASSEMBLY

STANDS DP		FT.	
SNGLS. DP		FT.	
D.C. ID			
D.C. OD	480.69	FT.	
RMR BODY OD		FT.	
STB BODY OD		FT.	
SUBS OD	3.14	FT.	
BIT OR C.B.		FT.	
		FT.	
KELLY DOWN		FT.	
TOTAL		FT.	
WT OF STRING		LBS.	

DRILLER: Donald Vig.

BIT RECORD

RUN NO.	6
SIZE	8¾
MFG.	HW
TYPE	DSC 10-5
NOZ. NO.	3
NOZ. SIZE	7/11 1/32
SER. NO	9170Z
DEPTH OUT	
CUMULATIVE HOURS RUN	
COND. OF BIT	
REAMER CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		1895						5½		5½		S

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS:
6½ Repair #2 Motor & Circ & Cond Mud - 4:00 - 10:30
½ Trip In - 10:30 - 11:00
1 Repair Air Comp & Wiring

MUD RECORD

TIME	
WEIGHT	6.00 6.9
VISC	
W.L.-C.C.	20
FLTR. CK.	
PH	
SD. CONT.	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Water			

C.P.—38 (10/62)

DAILY DRILLING REPORT

REPORT NO. 15 DATE Dec 23/67

OPERATOR: SHELL CANADA LIMITED

LOCATION: LSD. SEC. TWP. RGE. W.

WELL NAME: Shell Trout Lake No. O-41

PROVINCE: N.W.T

CONTRACTOR: NABORS RIG No. 10

DRILL PIPE STRING NO. SIZE

TOOL JOINT 6" OD

TYPE THD XH-H50

OPERATOR'S REPRESENTATIVE: H.R. France.

CONTRACTOR'S TOOL PUSHER: R. Lahk

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	National	C 250	15
2.	"	"	15
3.			

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

	MIDNIGHT	DAY	EVE
DRILLING ACTUAL	7½	13½	
REAMING			
CIRCULATING			
TRIPS		1½	
DEVIATION SURVEY	¼	¼	
TEST B.O.P		¼	¼
CUT OFF DRILL LINE			
REPAIR RIG	2¼	4½	1½
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	1349.18 FT.	RUN NO.	4
	SNGLS. DP	FT.	SIZE	8¾
	D.C. 2⅞ ID 6¼ OD	480.69 FT.	MFG.	HW
			TYPE	OSC3-J
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	3/16 1/16
	SUBS OD	3.14 FT.	SER. NO	698645
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	10
	KELLY DOWN	28 FT.	COND. OF BIT	RUN
	TOTAL	1860 FT.	REAMER CUTTER NO.	
	WT. OF STRING	57M LBS.	TYPE	

DRILLER: Donald Vig

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7½		1688	1860	172	85	25	950	5½	58			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1810	¾							

REMARKS

¼ 12:00 - 12:15 Rig Serv @ ⅛ Rams

5 Drlg 8¾" Hole 12:15 - 5:15

¼ Survey 5:15 - 5:30

2½ Drlg 5:30 - 9:00

MUD RECORD

	1:00	4:00	6:00
TIME			
WEIGHT	9.7	9.7	9.7+
VISC	32	33	32
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Col	1000#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	1377.90 FT.	RUN NO.	2
	SNGLS. DP	FT.	SIZE	8¾
16	D.C. 2⅞ ID 6¼ OD	480. FT.	MFG.	HW
			TYPE	OSC3
	RMR BODY OD	FT.	NOZ. NO	3
1	STB BODY OD	3.14 FT.	NOZ. SIZE	3/16 1/16
	SUBS OD	FT.	SER. NO.	698645
	BIT OR C.B.	FT.	DEPTH OUT	1895
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	34 FT.	COND. OF BIT	
	TOTAL	1895 FT.	REAMER CUTTER NO.	
	WT. OF STRING	57000 LBS.	TYPE	

DRILLER: John Conner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
13¼		1860	1895	35	85	25	1000	5½	58			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1890	½							

REMARKS

Drlg 8¾ Hole 8:00 8:00 - ½

Rig Serv and Hydril 8:30 8:45 - ¼

Drlg 8:45 10:00 - 1¼

Survey at 1890 - Work on Circ water pump 10:00 10:30 - ½

Trip out w/ B.I. 10:30 12:00 - 1½

Wait on water 12:00

Repair #2 Motor 4:00

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	1377.90 FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
	D.C. ID OD	480 FT.	MFG.	
			TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	3.14 FT.	SER NO	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	34 FT.	COND. OF BIT	
	TOTAL	1895 FT.	REAMER CUTTER NO.	
	WT OF STRING	57000 LBS.	TYPE	

DRILLER: Richard LaCroix

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

Rigged up Blind Rams - 4:15 4:15 - ¼

Repair #2 motor - 4:15 12:00 - 7¾

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (75/63)

DAILY DRILLING REPORT

REPORT NO. 14 DATE Dec 22/67

OPERATOR: SHELL CANADA LIMITED	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME: Shell Trout Lake	No. D-41	PROVINCE: N W T
CONTRACTOR: Nabors	RIG No. 10	DRILL PIPE STRING NO. SIZE	TOOL JOINT 6 1/2 OD	TYPE THD. XH 4 NC50				
OPERATOR'S REPRESENTATIVE	CONTRACTOR'S TOOL PUSHER							

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	National	C 250	15"
2.	"	C 250	15"
3.			

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	6 1/2	7 1/2	4 1/2
REAMING			
CIRCULATING	1/4		
TRIPS	1/4		3/4
DEVIATION SURVEY	1/4	1/4	1/4
TEST B.O.P	1/4		1/4
CUT OFF DRILL LINE			
REPAIR RIG	1/2	1/2	
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD 7

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	886.17 FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	8 3/4
	D.C 2 7/8 ID, 6 3/4 OD	480.65 FT.	MFG.	HW
	RMR BODY OD	FT.	TYPE	OSC3S
	STB BODY OD	FT.	NOZ. NO.	3
	SUBS OD	3.14 FT.	NOZ. SIZE	12/32
	BIT OR C.B.	FT.	SER. NO	89273
		FT.	DEPTH OUT	
	KELLY DOWN	14 FT.	CUMULATIVE HOURS RUN	7 1/2
	TOTAL	1380 FT.	COND. OF BIT	RUN
WT. OF STRING		LBS.	REAMER CUTTER NO.	
DRILLER			TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
6 1/2		922	1380		60-130	20-25	1100	5 1/2	58	5 1/2		S

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1160	1/2							

REMARKS

1/4	Finish Trip - 12:00 - 12:15
1/4	Clean Out 12:15 - 12:30
1/4	Rig Serv + Hydril 12:30 - 12:45
1/2	Work On DeSaxter Motors 12:45 - 1:15
2 3/4	Drlg - 1:15 - 4:00
1/4	Survey 4:00 - 4:15
3 3/4	Drlg 4:15 - 8:00

MUD RECORD

TIME	11:00	6:00
WEIGHT		
VISC	37	34
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Diesel	5 bbls		
Mineral	3 gals		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	1091.95 FT.	RUN NO.	1
	SNGLS. DP	FT.	SIZE	8 3/4
16	D.C 2 7/8 ID, 6 1/4 OD	480.65 FT.	MFG.	Hycalog
	RMR BODY OD	FT.	TYPE	OSC3
	STB BODY OD	FT.	NOZ. NO.	2 1 1
	SUBS OD	3.14 FT.	NOZ. SIZE	11 12
	BIT OR C.B.	FT.	SER. NO	89273
		FT.	DEPTH OUT	
	KELLY DOWN	41 FT.	CUMULATIVE HOURS RUN	14 3/4
	TOTAL	1566 FT.	COND. OF BIT	RUN
WT. OF STRING		50M LBS.	REAMER CUTTER NO.	
DRILLER			TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		1380	1566		55	25	1000	5 1/2	58			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1410	1/2							

REMARKS

	Drlg 8 3/4 Hole
	Rig Serv + Pipe Rams
	Survey at 1410 1/2°
	Drlg
	Work on Circ Water pump
	Drlg

800	915 1 1/4
915	930 1/4
930	945 1/4
945	1115 1 1/2
1145	1130 1/4
1130	400 4 1/2

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
	STANDS DP	FT.	RUN NO	1	2
	SNGLS. DP	FT.	SIZE	8 3/4	8 3/4
	D.C ID / OD	FT.	MFG.	HW	HW
			TYPE	OSC-3	OSC-3
	RMR BODY OD	FT.	NOZ. NO.	2 1 1	3 1 1
	STB BODY OD	FT.	NOZ. SIZE		12/32
	SUBS OD	FT.	SER. NO	89273	89273
	BIT OR C.B.	FT.	DEPTH OUT	1566	
		FT.	CUMULATIVE HOURS RUN	16 3/4	2 1/2
	KELLY DOWN	FT.	COND. OF BIT		Run
	TOTAL	FT.	REAMER CUTTER NO.	682	
WT OF STRING		LBS.	TYPE		
DRILLER					

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		1566	1688		85	25	1000	5 1/2	58			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
1570	1/2							

REMARKS

1/4	Rig Serv + Hydril	4:00 - 4:15
2	Drlg	4:15 - 6:15
1/4	Survey	6:15 - 6:30
2	Trip out + Motor	
1	Break out Torque pipe w/ Grinder Blacks	6:30 - 8:30 - 2
	Trip in	8:30 - 9:30 - 1
2 1/2	Drlg	9:30 - 12:00 - 2 1/2

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 13 DATE DEC 21, 1967.

OPERATOR: SHELL CANADA LIMITED

LOCATION LSD. SEC. TWP. RGE. W. 4

WELL NAME: SHELL TROUT LK No. O-91

PROVINCE: N W T

CONTRACTOR: NABORS RIG No. 18

OPERATOR'S REPRESENTATIVE:

CONTRACTOR'S TOOL PUSHER: R. Hall

DRILL PIPE STRING NO. SIZE

TOOL JOINT OD

TYPE THD.

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT	C 250	15
2.	✓	C 250	15
3.			

CASING & LINER RECORD

SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
9⅝	36 S		870				

Dec 21/67

TIME DISTRIBUTION — HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			½
REAMING			
CIRCULATING			
TRIPS			
DEVIATION SURVEY			
TEST B.O.P	2½	½	
CUT OFF DRILL LINE			
REPAIR RIG			
CORING		7	½
WIRE LINE LOGGING			
OTHER	5½		
NIPPLING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING		8	
(F) ADDITIONAL	½		
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WD/D.P:

HRS STANDBY

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 6

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO. DRILLING ASSEMBLY

STANDS DP		FT.
SNGLS. DP		FT.
D.C. ID		
D.C. OD		FT.
RMR BODY OD	30½	FT.
STB BODY OD		FT.
SUBS OD		FT.
BIT OR C.B.		FT.
		FT.
KELLY DOWN		FT.
TOTAL	30½	FT.
WT. OF STRING		LBS.

DRILLER: Donald Vig

BIT RECORD

RUN NO.	
SIZE	
MFG.	
TYPE	
NO. NOZ. SIZE	
SER. NO.	
DEPTH OUT	
CUMULATIVE HOURS RUN	
COND. OF BIT	
REAMER CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

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

REMARKS

- 7⁴⁵ - 12¹⁵ Rig Serv
- 12¹⁵ - 1³⁰ Nipple Up B.O.P's
- 1³⁰ - 4⁰⁰ Pressure Test B. Rams - 1500 PSI
- Leaking Roll Blind Rams
- 4⁰⁰ - 5⁰⁰ Pressure Test B. Rams + Manifold (All Elements Checked To 1500 P.S.I - O.K.
- 5⁰⁰ - 7⁰⁰ Work Up Steam Heater + Sample Bag
- 7⁰⁰ - 8⁴⁰ Work On Bleed Off Lines

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO. DRILLING ASSEMBLY

STANDS DP		FT.
SNGLS. DP	15	478 FT.
D.C. ID		
D.C. OD		FT.
RMR BODY OD	6 5/8	657 FT.
STB BODY OD		FT.
SUBS OD		FT.
BIT OR C.B.	41	FT.
	891	FT.
KELLY DOWN	46	FT.
TOTAL		FT.
WT. OF STRING		LBS.

DRILLER: Richard McCrea

BIT RECORD

RUN NO.	6 A
SIZE	Hun
MFG.	CSC
TYPE	4 1/2
NO. NOZ. SIZE	8 8 8 13
SER. NO.	
DEPTH OUT	
CUMULATIVE HOURS RUN	
COND. OF BIT	
REAMER CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		870	891									

DEVIATION RECORD:

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

REMARKS

- 6⁰⁰ - 8¹⁵ Rig Serv
- 8¹⁵ - 10²⁰ Finish Flare Line + Bleed Off Lines
- 10²⁰ - 11³⁰ Run In w/ Bit
- 11³⁰ - 12³⁰ Press Test Kelly Cock & 4½ Pipe Rams To 1500 PSI
- 12³⁰ - 1⁰⁰ Press Test Hydril To 1500 PSI
- 1⁰⁰ - 1³⁰ Finish Running In Hole
- 1³⁰ - 3⁰⁰ Drill Flout & Shoe
- 3⁰⁰ - 3³⁰ Drilling 8¾ Hole

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO. DRILLING ASSEMBLY

STANDS DP		FT.
SNGLS. DP		FT.
D.C. ID		
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.

DRILLER

BIT RECORD

RUN NO.	
SIZE	
MFG.	
TYPE	
NO. NOZ. SIZE	
SER. NO.	
DEPTH OUT	
CUMULATIVE HOURS RUN	
COND. OF BIT	
REAMER CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		891	922									

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
870	½							

REMARKS

- Rig Serv
- Rig Serv
- Bigs ERUT Pipe Ram - 4⁵⁰ - 4⁵⁵ ¼
- Drlg. 4⁵⁵ - 4⁵⁵ ½
- Survey — 4⁵⁵ - 5⁰⁰ ¼
- Trip — 5⁰⁰ - 7⁰⁰ ¼
- Pickup DCollar Subs 7¹⁵ 1½
- TRIP 7¹⁵ - 8³⁰ - ¾
- Try Break Circ 8³⁰ - 8⁴⁵ ½
- TRIP 8⁴⁵ - 9³⁰ - 1
- Clean Cutlings out of B.I.T Make up Same + TRIP 9³⁰ - 11²⁰ 1½

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 12 DATE Dec 20 - 67

OPERATOR: SHELL CANADA LIMITED

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: SHELL Rabbit Kin No. D-41 PROVINCE N.W.T.

CONTRACTOR: NABORS Drilling LTD. RIG No. 10

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

OPERATOR'S REPRESENTATIVE: [signature]

CONTRACTOR'S TOOL PUSHER: [signature]

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	National	C250	15
2.	"	C250	15
3.			

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

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

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO.

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD 5

CUMULATIVE ROTATING HRS. 37¾

MORNING TOUR

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

DRILLER: Donald Vig

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

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

REMARKS

Nipple Up - Thaw Kelly + Hang Sock 2:00-7:00
Try To Pressure Bleed Rams - Repair Line - 7:00-9:00

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

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

DRILLER: John Sumner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
			810									

DEVIATION RECORD:

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

REMARKS

Rig SER + Close B. RAMS 800 - 815 ¼
Pass Test B. Rams To 500 PSI. 8:15-9:00 ¾
unbolt BOPS + choke manifold 9:00-12:00 3
WAIT ON WELDER To re weld Bowl 12-4 = 4 hrs
8 hrs
NOTE. weld on inside of bowl
Leaked @ 500 PSI. RJB

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

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

DRILLER: Richard Vallee

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

Rig SERV — 4:00-4:15 - ¼
~~Cut off Weld, Heat up Bowl + Reweld~~ = 4:15 - 5:00 - ¾
SET BOPS Down. BOLT ON Flange
Thaw out All Values, Rig up To Pressure Test 12:00-1

Pressure Tested Csg Bowl Weld To 2000 P.S.I. - O.K.

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 11 DATE Dec 19.1967.

OPERATOR: SHELL CANADA LIMITED				LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME: Shell Trout Lake					No. O-41				PROVINCE: N.W.T.			
CONTRACTOR: Nabors		RIG No. 10		DRILL PIPE STRING NO. SIZE 4½		TOOL JOINT 6 OD		TYPE THD. XH 4½	PUMPS				CASING & LINER RECORD	SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
OPERATOR'S REPRESENTATIVE: R. Q. [illegible]				CONTRACTOR'S TOOL PUSHER: R. Clarke					NO.	MANUFACTURER	TYPE	STROKE LENGTH									
									1.	National	C 250	15		9⅝	35-155						
									2.	"	"	15									
									3.												

TIME DISTRIBUTION—HOURS

	WORK	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING			
TRIPS			
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER	8	88	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWAGGING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	88	

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

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

DRILLER: Donald Vig

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
								5½		5½		

DEVIATION RECORD:

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

REMARKS

Wait On Welder - 1200 - 200
Cutting Cond Pipe 7:00 - 800

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

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

DRILLER: John Brown

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

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

REMARKS

Cut off Casing 600 - 1130 - 3
welded on Casing Bowl 1100 - 400 - 5
8

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

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

DRILLER: Richard LaCroix

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

Pick up Bop's
Rig up Some, Work on Mud tanks 1400 - 1200 - Thr

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 120 DATE Dec 18/67.

| | | |

C.P.—38 (10/62)

DAILY DRILLING REPORT

REPORT NO. 9 DATE Dec 17 - 1967

OPERATOR: SHELL CANADA LIMITED

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: Shell Trout Lake No. 0-41

PROVINCE: NWT

CONTRACTOR: Wabors RIG No. 10

DRILL PIPE STRING NO. SIZE: 4½

TOOL JOINT 6 OD

TYPE THD. 4½-XH

OPERATOR'S REPRESENTATIVE:

CONTRACTOR'S TOOL PUSHER: R S Gash

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	National	C-250	15"
2.	"	"	15"
3.			

CASING & LINER RECORD

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

TIME DISTRIBUTION — HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	5¼	6	1¾
REAMING			
CIRCULATING			1½
TRIPS		1½	1
DEVIATION SURVEY	1	¼	¼
TEST B.O.P			
CUT OFF DRILL LINE			¼
REPAIR RIG	1¼	¼	
CORING			
WIRE LINE LOGGING			
OTHER			2
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD 2

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	273.92 FT.	RUN NO.	2
	SNGLS. DP	FT.	SIZE	13¾
	D.C. 2 7/16 ID 6¼ OD	449.22 FT.	MFG.	HW
	RMR BODY OD	FT.	TYPE	OSC-3
	STB BODY OD	FT.	NOZ. NO.	Conv
	SUBS OD	6.57 FT.	NOZ. SIZE	
	BIT OR C.B.	FT.	SER. NO	96449
		FT.	DEPTH OUT	RJSW
	KELLY DOWN	41 FT.	CUMULATIVE HOURS RUN	11
	TOTAL	739 FT.	COND. OF BIT	
WT. OF STRING	44 M LBS.		REAMER CUTTER NO.	
DRILLER	Donald Nig		TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		546	739		150	8	700	5½	62	5½		C

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
550	½°		610	¼		700	½	

REMARKS

½ Drlg 13¾ Hole - 12:00 - 12:30
¼ Survey - 12:30 - 12:45
¼ Rig Serv 12:45 - 1:00
1¾ Drlg 12¼ Hole - 1:00 - 2:45
¼ Survey - 2:45 - 3:00
1 Drlg 3:00 - 4:00
1½ Change Std Pipe Union 4:00 - 5:30
½ Drlg - 5:30 - 6:00
Survey 6:00 - 6:15 - ¼
Drill 6:15 - 6:45 - ½
Survey - 6:45 - 7:00 - ¼
Drill - 7:00 - 8:00 - 1

MUD RECORD

TIME	12:00	4:00
WEIGHT		
VISC	44	50
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	366 FT.	RUN NO.	2	3RR
	SNGLS. DP	FT.	SIZE	13¾	13¾
	D.C. 2¾ ID 6¼ OD	449.22 FT.	MFG.	HW	HW
	RMR BODY OD	FT.	TYPE	OSC3	OSC3
	STB BODY OD	FT.	NOZ. NO. SIZE	CONV	CONV
	SUBS OD	6.57 FT.	SER. NO.	86445	86445
	BIT OR C.B.	FT.	DEPTH OUT	829	
		FT.	CUMULATIVE HOURS RUN		
	KELLY DOWN	15 FT.	COND. OF BIT		
	TOTAL	844 FT.	REAMER CUTTER NO.		
WT. OF STRING		LBS.	TYPE		
DRILLER	John Zenner				

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		739	844		150		700	5½	62	5½	58	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
800	1°		830	1¼				

REMARKS

Drlg 13¾ Hole
Rig Serv & Survey at 800 - ½
Drlg.
Survey at 830 - ¼
Trip out Strap Pipe
Chang Bit [redacted] Trip in
Drlg 13¾ Hole

5:00 - 11:30 - 3½
11:30 - 11:45 - ¼
11:45 - 1:45 - 2
1:45 - 2:00 - ¼
2:00 - 2:45 - ¾
2:45 - 3:30 - ¾
3:30 - 4:00 - ½

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
	STANDS DP	395 FT.	RUN NO.	3	3RR
	SNGLS. DP	FT.	SIZE	13¾	
	D.C. ID OD	448.22 FT.	MFG.	HW	
	RMR BODY OD	FT.	TYPE	OSC-3	
	STB BODY OD	FT.	NOZ. NO. SIZE	CONV	
	SUBS OD	6.57 FT.	SER. NO	86445	
	BIT OR C.B.	FT.	DEPTH OUT		
		FT.	CUMULATIVE HOURS RUN		
	KELLY DOWN	17 FT.	COND. OF BIT		
	TOTAL	870 FT.	REAMER CUTTER NO.		
WT. OF STRING		LBS.	TYPE		
DRILLER	Richard McCune				

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
1¾		844	870		150		700	5½	60	5½	60	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
860	1¼	—						

REMARKS

Drlg 13¾ hole - 4:00 - 5:30 - 1
Survey — 5:30 - 5:45 - ¼
Rig Serv — 5:45 - 6:00 - ¼
Drlg — 6:00 - 6:15 - ¼
Circ — 6:15 - 7:45 - 1½
Trip out To Run Csg 7:45 - 9:45 - 1
Clean & Rig up to Run Csg - 9:45 - 10:00 - ¼
Run Csg — 10:00 - 12:00 - 2 1/4

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 8 DATE Dec 16, 1967

OPERATOR: SHELL CANADA LIMITED
LOCATION LSD. SEC. TWP. RGE. W.
WELL NAME: Shell Trout Lake No. O-41
PROVINCE: NWT
CONTRACTOR: Nabors RIG No. 10
DRILL PIPE STRING NO. SIZE: 4½
TOOL JOINT: 6 OD TYPE THD. H90 IF
OPERATOR'S REPRESENTATIVE:
CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Naimil	C-210	15
2.	"	"	15
3.			

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7½	7	5½
REAMING			
CIRCULATING			
TRIPS			1
DEVIATION SURVEY	¼	¾	1
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG	¼	¼	¼
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)
CONTRACTOR'S TIME HRS:
OPERATOR'S TIME:
HRS. W/D.P:
HRS WD/D.P:
HRS STANDBY

WIRE LINE RECORD

REEL NO
NO OF LINES SIZE
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. or TRIPS SINCE LAST CUT
CUMULATIVE TON MI. or TRIPS
NO. OF DAYS FROM SPUD 1
CUMULATIVE ROTATING HRS.

MORNING TOUR

NO. 4 DRILLING ASSEMBLY — BIT RECORD

STANDS DP		FT.	RUN NO.	1
SNGLS. DP		FT.	SIZE	13 3/4
D.C. 2 7/8 ID 6 1/4 OD	121.66	FT.	MFG.	HW
RMR BODY OD		FT.	TYPE	OSC-3
STB BODY OD		FT.	NOZ. NO.	
SUBS OD	1.21	FT.	NOZ. SIZE	Conn
BIT OR C.B.		FT.	SER. NO	96495
		FT.	DEPTH OUT	
KELLY DOWN	23	FT.	CUMULATIVE HOURS RUN	
TOTAL	150	FT.	COND. OF BIT	
WT. OF STRING	22m	LBS.	REAMER CUTTER NO.	
DRILLER: Donald Vig			TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7½		81	150	Gl Deposit	110	2-7	200	5½	60	5½	60	Gel

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
90	¼							

REMARKS

¼	12:00 - 12:15	Rig Service
4¼	12:15 - 4:30	Drlg 13¾ Hole - Gravel
¼	4:30 - 4:45	Survey
3¼	4:45 - 8:00	Drlg 13¾ Hole

MUD RECORD

TIME	12:00	6:00
WEIGHT		
VISC	35	40
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Super Col	2 sx		
"			

DAY TOUR

NO. 10 DRILLING ASSEMBLY — BIT RECORD

STANDS DP		FT.	RUN NO.	1
SNGLS. DP		FT.	SIZE	13¾
D.C. 2 7/8 ID 6 1/4 OD	300.94	FT.	MFG.	HW
RMR BODY OD		FT.	TYPE	OSC-3
STB BODY OD		FT.	NOZ. NO.	
SUBS OD	4.34	FT.	NOZ. SIZE	Conn
BIT OR C.B.		FT.	SER. NO.	96495
		FT.	DEPTH OUT	346
KELLY DOWN	46	FT.	CUMULATIVE HOURS RUN	Run
TOTAL	196	FT.	COND. OF BIT	
WT. OF STRING	35m	LBS.	REAMER CUTTER NO.	
DRILLER: Ron Farmer			TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7		150	346		150	8	500	5½	60	5½	60	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
150	½		210 - ¾ 240 - ¾			270	¾	

REMARKS

Drlg 13¾ Hole 300 - 8:30 - ½
Rig Serv and Survey at 150 - ½°
Drlg 13¾ Hole 8:30 - 8:45 - ¼
Survey at 210 - ¾° 8:45 - 10:45 2
Drlg 13¾ Hole 10:45 - 11:00 ¼
Survey at 240 - ¾° 11:00 - 12:30 1½
Drlg 13¾ Hole 12:30 - 12:45 ¼
Survey at 270 - ¾° 12:45 - 2:15 1½
Drlg 13¾ Hole 2:15 - 2:30 ¼

MUD RECORD

TIME	9:00	2:00
WEIGHT		
VISC	45	40
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	60.25	FT.	RUN NO	1	2
SNGLS. DP		FT.	SIZE	13¾	13¾
D.C. ID			MFG.	Hw	Hw
OD	448.22	FT.	TYPE	OSC3	OSC3
RMR BODY OD		FT.	NOZ. NO.		
STB BODY OD		FT.	NOZ. SIZE	Conn	
SUBS OD	6.57	FT.	SER NO	96445	96445
BIT OR C.B.	—	FT	DEPTH OUT	346	546
		FT.	CUMULATIVE HOURS RUN	13¾	5¾
KELLY DOWN	31	FT.	COND. OF BIT	211	Run
TOTAL	546	FT.	REAMER CUTTER NO.		
WT OF STRING	42m	LBS.	TYPE		
DRILLER: Richard L. Evans					

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
5½		346	546	-200 ft	150	7-A	600	5½	60	5½	60	

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
330	1¼°	—	360	1°	—	420 480	½° ⅞	—

REMARKS

¼	Rig Serv. 400 - 415	
¼	Survey 415 - 430	¼ Drlg - 9:00 - 10:15
1	Trip - 430 - 530	¼ Survey 10:15 - 10:30
1	Drlg - 530 - 630	1½ Drlg - 10:30 12:00
½	Survey - 630 - 645	
2	Drlg 6:45 - 8:45	
¼	Survey - 8:45 - 9:00	

MUD RECORD

TIME	4:50	5:00
WEIGHT		
VISC	45	46
W.L.-C.C.		—
FLTR. CK.		
PH		
SD. CONT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 7 DATE Dec 15, 1967

OPERATOR: SHELL CANADA LIMITED

LOCATION LSD. SEC. TWP. RGE. W.

WELL NAME: SHELL TROUT LK No. O-41 PROVINCE N.W.T.

CONTRACTOR: NABORS RIG No. 10

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

OPERATOR'S REPRESENTATIVE: [illegible]

CONTRACTOR'S TOOL PUSHER: R. Locke

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.		C 250	
2.		C 250	
3.			

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

	NOON	DAY	EVE
DRILLING ACTUAL			4½
REAMING			
CIRCULATING			
TRIPS			
DEVIATION SURVEY			Yes
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER Rig UP	8	8	3½
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES 8 SIZE 1½

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD 0

CUMULATIVE ROTATING HRS.

MORNING TOUR

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

DRILLER

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

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

REMARKS

8 hrs 12:00 - 8 Am - Rig up

NOTE

This is First Shell Report

Previous 5 Days Moving in & Rigging up!

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

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

DRILLER

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

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

REMARKS

8 hrs 8 Am - 4 pm - Rig up

MUD RECORD

TIME	
WEIGHT	
VISC	
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	
	STANDS DP	— FT.	RUN NO	1
	SNGLS. DP	— FT.	SIZE	13¾
	D.C. ID		MFG.	HW
	4 KC OD	605 FT.	TYPE	OSC3
	RMR BODY OD	FT.	NOZ. NO.	Conv
	STB BODY OD	FT.	SIZE	
	SUBS OD	4.31 FT.	SER. NO	86445
	BIT OR C.B.	— FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	4¼
	KELLY DOWN	15 FT.	COND. OF BIT	Rec
	TOTAL	91 FT.	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER Richard LaCoste

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
4¼		0	91	Drlg	50	2-4	200	5½	60	5½	60	Cyl.

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
60'	¾°	—						

REMARKS

2¼	4 pm - 6½	-	Rig up
1¼	6¼ - 7³⁰	-	Make up Bit & Pick up DC
1½	7³⁰ - 9	-	Spud in Conductor Pipe & Drill
¼	9 - 9¼	-	Survey
2¾	9¼ - 12		Drlg 13¾ Hole

MUD RECORD

TIME	6 PM 10 PM
WEIGHT	
VISC	38 36
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT	

MUD & CHEMICALS ADDED

TYPE	AMT	TYPE	AMT.
Plated	200		