Drilling Authority No. 501

Date Issued 29 January 1971

WELL NAME Shell Tree River East H-57

FIELD ..... Area: .....

LOCATION: Unit H Section 57 Grid 67-10-132-15

Latitude 67-06-27.170 Longitude 132-24-49.164

U.W.L.R. 67.10755 --- 132.41366

U.W.I. 300H576710132150

Rig Release Date: .....

Status .....

Information Release Date ....

CHANGE OF NAME:

DATE RECEIVED	INDEX
29 January 1971	Application for a Drilling Authority.
	~~Well Completion Data.~~
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
19/3/71	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
5-4-71	Well Completion Data.
	Work-over Report No. .....
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells – Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells – Vitter's Method.
	M.P.R. – Oil – Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs. Large scale..... Small scale.....

IAND 52-90 (3-69)

CANADA

Drilling Authority No. 501

Date Issued Jan. 29, 1971

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL 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 TREE RIVER EAST H-57

Permit No. 6492 Lease No. NTR - 743

SHELL CANADA LTD. & Shell Explorer Ltd. (Permittee, Licensee, Lessee) Exploratory Licence No. 108

SHELL CANADA LTD. (Operator) Exploratory Licence No. 108

Location: Unit H Section 57 Grid 67°10'N. 132°15'W

Latitude 67°06'27.170" Longitude 132°24'49.164"

From Established Reference Marker PM 0-79

Universal Well Location Reference Lat. 67.10755°N Long. 132.4366°W

	DATE	DEPTH
Spudded	8 Feb. '71	
Suspended		
Resumed Operations		6497' Log.
Finished Drilling	11 Mar. '71	6500 Dr.
Deepened		
Complete (gas/oil)		
Abandoned	17 Mar. '71	6500
Rig released	17 Mar. '71	6500

Pool(s)

Interval(s) open to production

Elevation: Gr. 338.7 K.B. 355'

Rig No. 11

Drilling Contractor GUSTAVSON DRILLING (1964) LTD.

Contractor's Business Licence No. 0832

CASING RECORD

	Casing Size (Inches)	Grade	Weight	Amount	Set at –	Sacks of Cement and Additives
1.	20"	Conductor	Pipe	60 Ft.	60 Ft.	
2.	9 5/8"	K-55	36#	30 JTS	1003'	512 Sxs Permafrost Cement
3.						
4.						
5.						
6.						

GEOLOGICAL TOPS	ELEVATION	
	Depths	Sub-Sea
IMPERIAL	* 50	+ 305
CANOL	2365	-2010
HUME	2640	-2285
BEAR ROCK	2964	-2609
DELORME	4596	-4241
MOUNT KINDLE	5235	-4880

* IMPERIAL TOP IS SAMPLE TOP
ALL OTHERS ARE LOG TOPS

CORE RECORD

From	To	Rec.	From	To	Rec.
3952'	3962'	29.5			
4136'	4166'	28.8			
4224'	4238'	14.0			
4573'	4603'	29.3			
4847'	4877'	25.7			

LOG RECORD

Run No.	Type of Log	From	To
1	Sidewall Neutron Porosity	1002'	6490'
1	Dual Induction Laterolog	1002'	6493'
1	Borehole Sonic - Gamma Ray-Caliper	1002'	6495'
1	Formation Density	1002'	6495'
	Seismic Reference Survey		

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

CEMENTING RECORD (CONT.)

CEMENTING RECORD (Plug, Squeeze, etc.)

Date	From	To	Remarks
Mar '71	6350	6500	140 Sxs. Cement (100% Excess)
Mar '71	5150	5300	140 Sxs. Cement (100% Excess)-Failed
Mar '71	4972	5220	150 Sxs Cement felt at 4972'(100% Excess)
Mar '71	4500	4650	170 Sxs Cement felt at 4364' (100% Excess)

PERFORATING RECORD (Bullet, Jet)

Date	From	To	Remarks
Mar '71	950	1060	70 Sxs Cement Failed
"	950	1060	70 Sxs Cement Failed
"	950	1060	50 Sxs Cement felt at 1040'
"	950	1040	Felt @ 950
"	Surface		10 Sxs Cement 3/8" Plate welded on top of casing

SERVICING RECORD (Acidizing, Fracing, etc.)

Date	From	To	Remarks
			and identification marker installed.

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.B.H.P.	F.S.I.B.H.P.	I.F.B.H.P.	F.F.B.H.P.	I.H.P.	F.H.P.	REMARKS

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks
	Core#1	3932	3962		Recovered 29.5'
	Core#2	4136	4166		Recovered 28.8'
	Core#3	4224	4238		Recovered 14.0'
	Core#4	4573	4603		Recovered 29.9'
	Core#5	4847	4877		Recovered 25.7'

PRESENT STATUS OF WELL

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

Company SHELL CANADA LIMITED

Signed by W. B. Blackmore

Title for J. E. Cyaja. MANAGER, FRONTIER DIVISION PRODUCTION

Date APRIL 5 / 71

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

CANADA

File No.....
Drilling Authority No. 501

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application to Abandon a [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 TREE RIVER EAST H-57
Location: Unit H Section 57 Grid (67° 10' N. 132° 15' W.)
Latitude 67°06'27.170"N Longitude 132°24'49.164"W
From Established Reference Marker PM 0-79
Universal Well Location Reference Lat. 67.10755°N Long. 132.41366°W
Permit No. 6992 Lease No. NTR - 743

SHELL CANADA LIMITED and SHELL EXPLORER LTD.
(Permittee, Licensee, Lessee)

Date of commencement of proposed program.....

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at.....
Gas at.....
Water at 3800' - T.D. (Swabbed Intermittently on Trips)
Total Depth 6500' Date of last operations March 1971
Present condition of well.....

CASING RECORD

	Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1.	9 5/8"	36#	30 JTS.	1003'	512 Sacks of Perma-	
2.					frost Cement	
3.						
4.						
5.						

PROPOSED ABANDONMENT PROGRAM

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	6350'-6500'	MOUNT KINDLE	140	Nº of Sacks of
2	5150'-5300'	DELORME/MOUNT KINDLE	140	Cement Based On
3	4500'-4650'	BEAR ROCK/DELORME	170	100% Excess
4	950'-1060'	IMPERIAL	120	
5	Surface		10	Permanently Marked
				Pipe.

The following logs have been run SNP, DILL, BHCS - GR-C, FDC
Other operations proposed.....

Operations to be carried out by GUSTAVSON Contractor Licence No. 0832
Address 9825 - 60 Avenue Edmonton, Alta. Address Box 880, Calgary, Alta.
Responsible Agent in field D. BROWN
Dated at CALGARY, ALBERTA, this 16th Day of MARCH 19 71
Signed by [signature] Company SHELL CANADA LIMITED
Title MANAGER, FRONTIER DIV. PROD. Operator's Exploratory Licence No. 108

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

(For OIL AND MINERAL DIVISION use only)

APPROVAL

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

Confirming oral approval given by
Mr. G. E. Blue on the 14th March 1971.

Dated 19th March, 19 71

[signature]
Oil Conservation Engineer

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

SHELL CANADA LIMITED

PLAN SHOWING SURVEY
OF

SHELL *Tree River East H-57*

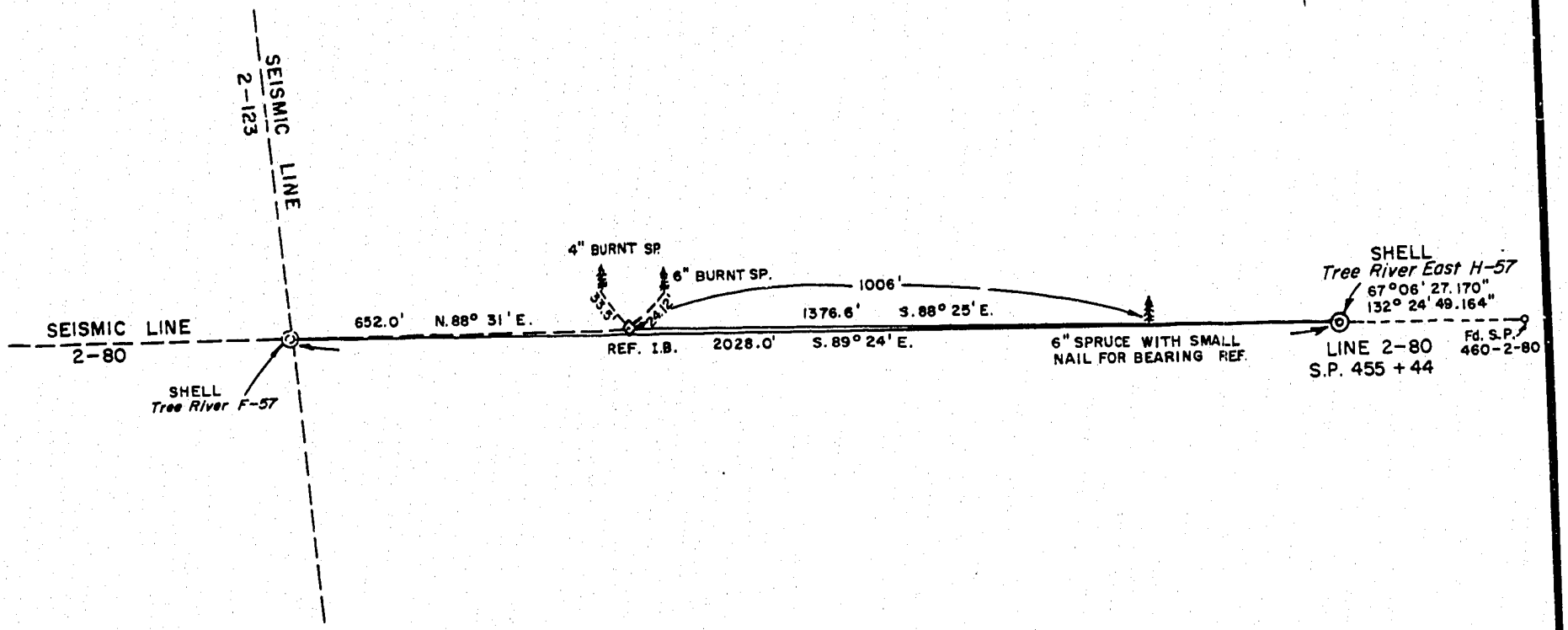
IN

UNIT H SECTION 57 GRID AREA 67°10', 132°15'

LATITUDE 67° 06' 27.170", LONGITUDE 132° 24' 49.164"

JAN. 1971.

Scale : 1" = 300'



LEGEND

Iron Bar Planted shown thus ◇
Bearing Referred to 132° Meridian of Longitude.

GROUND ELEVATION 338.7'

WELL LOCATION SURVEYED FROM SEISMIC INFORMATION WITH DATUM USING SHELL TELLUROMETER TRAVERSE JULY, 1969 AND GEODETIC STA. " THUNDER ".

I certify that the survey represented by this plan is correct and true to the best of my knowledge and was completed on the 23rd day of January, 1971.

_____ A.L.S.

SHELL CANADA LIMITED

PLAN SHOWING SURVEY
OF

SHELL *Tree River East H-57*

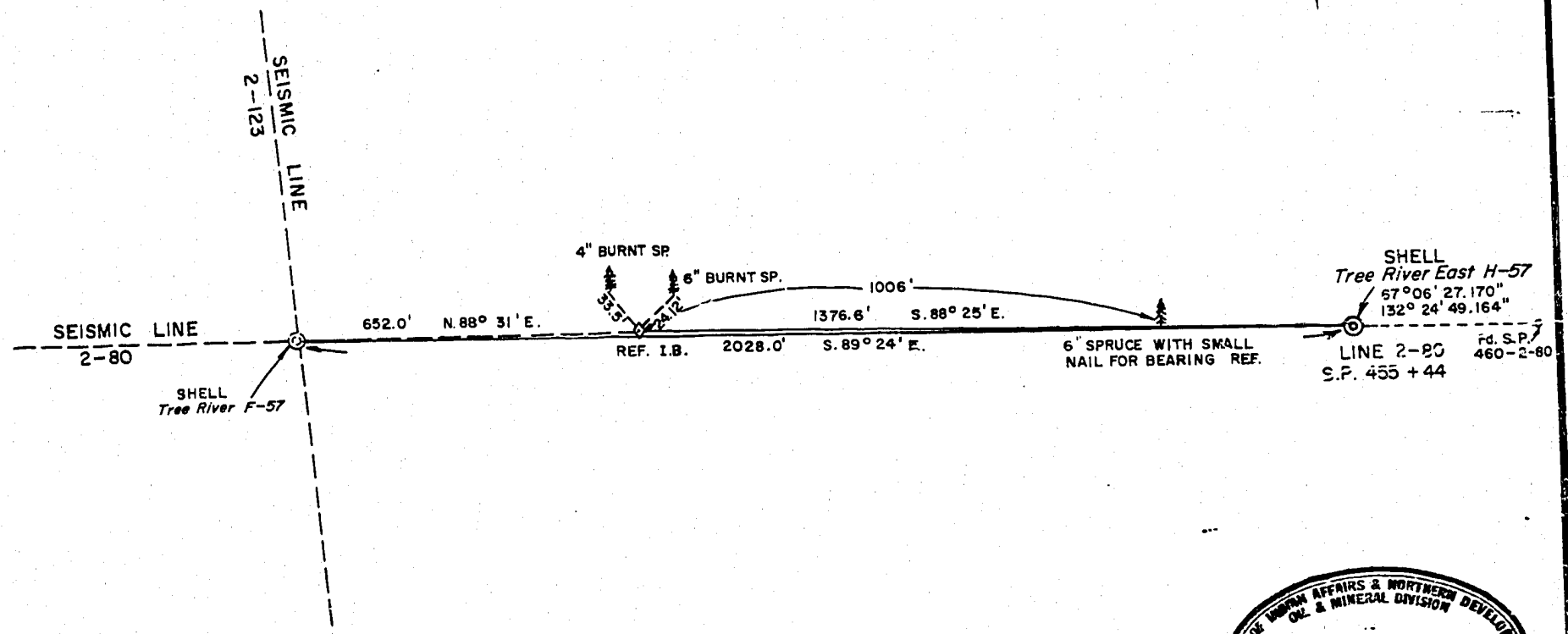
IN

UNIT H SECTION 57 GRID AREA 67°10', 132°15'

LATITUDE 67° 06' 27.170", LONGITUDE 132° 24' 49.164"

JAN. 1971.

Scale : 1" = 300'



DEPT. OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT
OIL & MINERAL DIVISION
FEB 3 1971
CALGARY 21, ALBERTA
OIL CONSERVATION ENGINEER
Northwest Territories & Yukon Territory

LEGEND

Iron Bar Planted shown thus ◇
Bearing Referred to 132° Meridian of Longitude.

GROUND ELEVATION 338.7'

WELL LOCATION SURVEYED FROM SEISMIC INFORMATION WITH DATUM USING SHELL TELLUROMETER TRAVERSE JULY, 1969 AND GEODETIC STA. "THUNDER".

I certify that the survey represented by this plan is correct and true to the best of my knowledge and was completed on the 22nd day of January, 1971.

A.L.S.

Drilling Authority No. 501

Project No.

File No.

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

JAN 27 1971
CALGARY 21, ALBERTA
OIL CONSERVATION ENGINEER
Northwest Territories & Yukon Territory

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 Tree River East H-57

Location: Unit H Section 57 Grid (67°10'N. 132°15'W.)

Latitude 67°06' 27.170" Longitude 132°24' 49.164"

Unique Well Identifier 300H5767101321 50

Universal Well Location Reference Lat. 67.10755 °N. Long. 132.41366 °W.

Elevation: Ground 343 (Est.) K.B. 359 (Est.) feet above sea-level.

Well is expected to produce from Bear Rock formation at a depth of about 4300 feet. Expected total final depth 6,500

Area assigned to well
(for Oil Conservation Engineer's use only)

Permit No. 6492 Lease No. Acreage 49,920

Permittee, licensee, or lessee Shell Canada Limited and Shell Explorer Ltd.

Exploratory Licence No. 108 116

Surface owned by Crown or
(If alienated submit name and address of owner and occupant.)

Petroleum and natural-gas rights owned by Crown

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

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Sacks of Cement
1. 9 5/8"	36#	K-55	New	1000	350
2. 20"	53#	Conductor Pipe	New	40	100
3.					
4.					
5.					

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

10" Hydril, Double Ram (10") BOP's

Well will be drilled with Rotary Rig No. 11 by Gustavson
(Drilling Contractor or company)

Responsible agent of applicant:— Contractor's Business Licence No. 0832

At well D. Brown At registered office D.S. Fleming

Address Box 186, Edmonton, Alta Address Box 186, Edmonton, Alberta

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

Dated at Edmonton, Alberta, this 26th day of January 19 71

Signed by C. Fewats Company Shell Canada Limited

Title Manager, Edmonton Div. Prod. Operator's Licence No. 108

(For Oil and Mineral Division use only)

APPROVED

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

1. Copies of this Drilling Authority shall be exhibited at the drilling rig in both the Doghouse and the Drilling Foreman's Office between spud and rig release dates.
2. The Company will submit to this office, on Tuesday of each week, the latest reports

Please see over page

Dated 26th January 19 71

Oil Conservation Engineer

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

IAND 52-90-1 (3-69)

received by radio on the progress of the well.

3. During well drilling and testing operations, every effort shall be made to ensure that drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent the contamination of adjacent vegetation and surface or sub-surface waters.

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

5. Any additional strings of casing are to receive the approval of the Oil Conservation Engineer prior to running.

(for) D.J.J. Page
Oil Conservation Engineer

WELL PROGNOSIS

TIGHT HOLE

EXPLORATION PROGRAM - EAST GLACIER BLOCK N.W.T., WINTER 1971

WELL: Shell Tree River East H-57

LOCATION: Lat. 67° 06' 27.170"N.
Long. 132° 24' 49.164"W.

ELEVATION: G.L. + 343(Est.)
K.B. + 359(Est.)

TOTAL DEPTH: 6,500'

A. Summary of Drilling Program

(Refer to Drilling Operations Program for details)

(i) Hole and Casing Program:

(a) Auger drill 24" conductor hole to 40'

(b) Set 40' of 20" 53# conductor pipe

(c) Install 12" casing bowl and 12" Series 900 Hydril

(d) Drill 12 1/4" hole to 1,000'

(e) Set 9 5/8" 36# K-55 casing

(f) Install 10" Series 900 casing bowl and 10" Series 900 BOP stack

(g) Drill 8 3/4" hole to T.D.

(ii) Deviation:

(a) Target area for all objective zones (see attachment)

(b) Surveys must be taken at least every 250'

DEPT. OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT
OIL & MINERAL DIVISION
JAN 27 1971
CALGARY 21, ALBERTA
OIL CONSERVATION ENGINEER
Northwest Territories & Yukon Territory

(iii) Mud Properties:

Ensure that mud properties are such that the following criteria are satisfied.

(a) Mud is capable of forming good quality mud cake for definition of permeable zones.

(b) Representative and good quality samples are obtained.

(c) Hole conditions are maintained such that there is negligible fill to accomodate "behind the bit" evaluation procedures (i.e. coring, testing and logging)

(d) Below 3000' maintain a maximum 8.0 cc water loss to eliminate excessive invasion which is detrimental to good reservoir evaluation by electric logs.

B. Evaluation Program:

(i)

Formation Tops	Symbol	Lithology	Depth
Imperial	Dim	Shale, silt and sand	Probably spud in Imperial
Canol	Dca	Chert and shale	2450'
Hume	Dh	Limestone and shale	2720'
Bear Rock	Dbr	Upper Limestone-, and basal dolomite interval	3040'
Delorme	D/S	Upper-, and basal shale sand member Middle dolomite member	4730'
Mount Kindle	S-Ok	Dolomite and chert	5580'
T.D.			6500'

Samples:

(ii)

(a) One large (8" x 12") unwashed, Plastic Lined bag every 50' from surface to 2300' and then every 10' to T.D.

(b) One small (4" x 6") semi-washed, Non Lined bag as required by the Oil Conservation Engineer.

(c) Two washed and dried plastic vial cuts every 50' from surface to 2300', and then every 10' to T.D.

(d) One semi-washed canned sample every 50' from surface to 2300' and then every 30' to T.D. for the Geological Survey of Canada.

(iii) Cores:

(a) A 30' core will be cut whenever reservoir quality rock is encountered.

(b) Be prepared to cut approximately 100' of core at unspecified intervals for paleontological and/or lithological purposes. Instructions will be obtained from General Section.

(iv) Drill Stem Tests:

(a) After obtaining a core containing reservoir quality rock a conventional off-bottom drill stem test will be run before drilling ahead.

(b) Additional tests will be carried out where warranted after reaching final total depth and logs have been run.

NOTE:

Lynes United will provide testing tools and personnel from their base at Kaps Transport's camp in Inuvik.

(v) Logs:

Tool	Interval	Remarks
DILL	T.D. to surface casing	2" and 5" scales
BHCS-GR-C (integrated)	T.D. to surface casing	2" and 5" scales 40-70-100 sensitivity to top of carbonate 40-60-80 sensitivity below top of carbonate
FDC-GR	T.D. to surface casing	2" and 5" scales
SNP	T.D. to surface casing	2" and 5" scales
MLC	T.D. to surface casing	2" and 5" scales

A seismic reference survey will be shot at T.D. after the above logs have been run.

NOTE: Obtain 6 field prints of each log and have them flown to Edmonton as soon as possible.

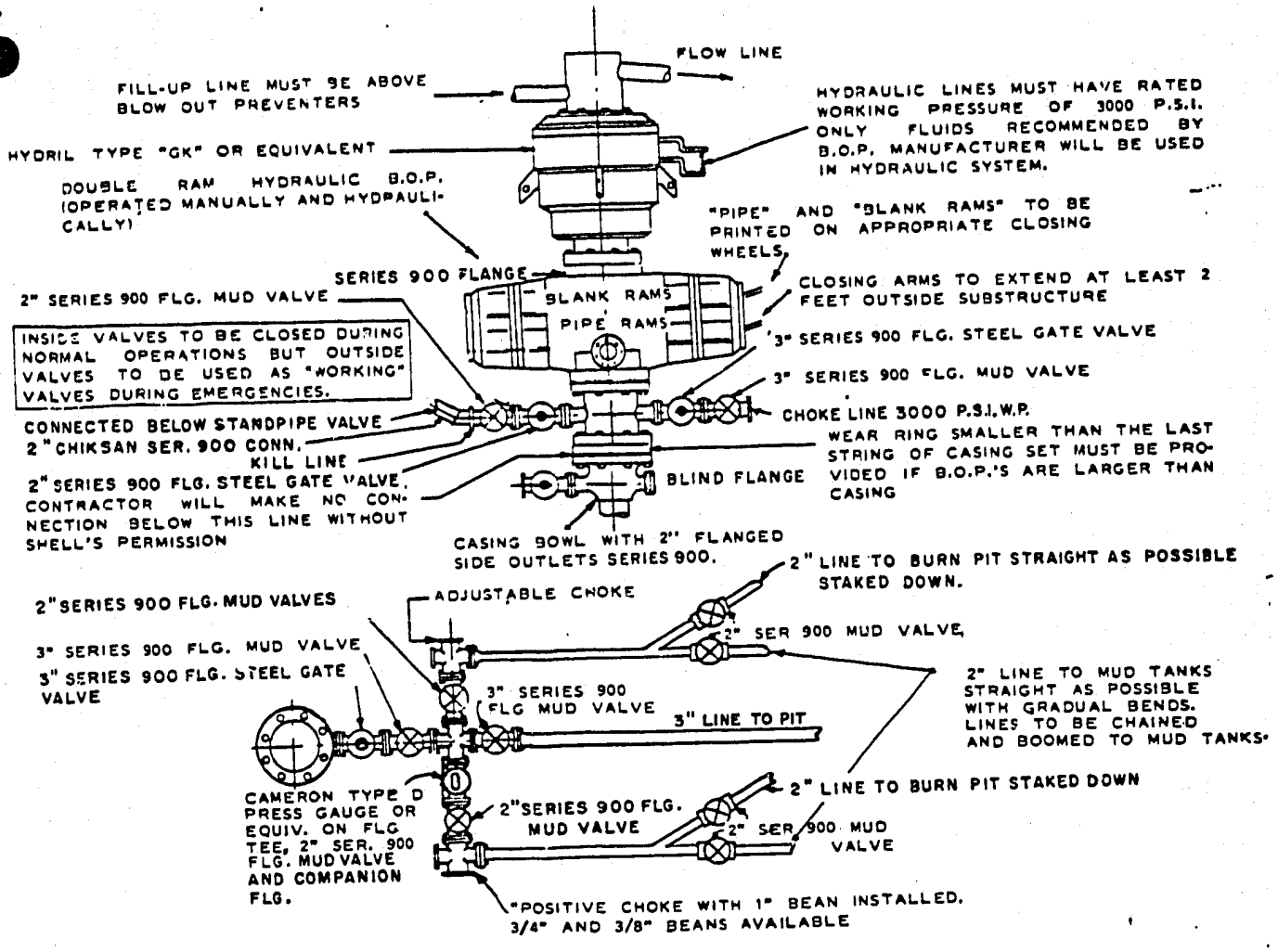
RECOMMENDED J. G. Bell 22 Jan/71 APPROVED C. C. Fleming

RECOMMENDED [illegible] Jan 22/71 DATE Jan. 22 1971

RECOMMENDED P. L. Brady APPROVED P. V. Knox for R.S.M.

RECOMMENDED T. Smith Jan 12/71 DATE Jan. 22/71

WELL Shell Tree River East H-57 CONTRACTOR GUSTAVSON 11



. THESE CHOKE DETAILS ARE INTENDED TO OUTLINE THE BASIC CHOKE MANIFOLD REQUIREMENTS, NOT THE EXACT MANNER OF HOOK-UP

NOTES:

1. KELLY COCK MUST BE USED - MIN. W.P. 3000 PSI.
2. SELF SEALING RING GASKETS MUST BE USED.
3. IF BOP HAS FLANGED SIDE OUTLET, IT MUST BE EQUIPPED WITH A SERIES 900 STEEL GATE VALVE OR COMPANION BLIND FLANGE. BOP'S WITH SCREWED SIDE OUTLETS NOT ACCEPTABLE.
4. PRESSURE ACCUMULATOR UNIT AND TWO NITROGEN CYLINDERS FOR EMERGENCY TO BE LOCATED 100 FEET FROM WELL IN HEATED HOUSE. PRESSURE IN NITROGEN CYLINDERS SHALL BE MAINTAINED AT 1500 PSI OR MORE.
5. BOP CONTROLS MUST BE PROVIDED ON THE FLOOR AND AT THE ACCUMULATOR.
6. CHOKE MANIFOLD VALVES MUST BE EASILY ACCESSIBLE.
7. NO THREADED OR WELDED CONNECTIONS TO BE USED FROM DRILLING SPOOL OUT TO CHOKES.
8. A SINGLE CHOKE MANIFOLD IS ACCEPTABLE FOR COMPLETION WORK.
9. BOP'S AND ASSOCIATED EQUIPMENT MUST BE TESTED IN ACCORDANCE WITH THE FOLLOWING PROCEDURES
   PRIOR TO DRILLING OUT CASING - PRESSURE TEST ALL BLOWOUT CONTROL EQUIPMENT (INCLUDING KELLY COCK) WITH WATER TO 75% OF RATED BURST RESISTANCE OF CASING STRING (2400 PSI MAX.).
   DAILY TESTS - CHECK CLOSING AND OPENING OF BOP'S WITH ACCUMULATOR AND WORK KELLY COCK.
   15 DAY TESTS - PRESSURE TEST KELLY COCK FROM BELOW WITH WATER TO 2400 PSI.
   - CLOSE HYDRIL WITHOUT PIPE IN HOLE.
   - RETIGHTEN ALL FLANGES IN BOP STACK AND CHOKE MANIFOLD.
   SUBSEQUENT TESTS - APPROXIMATELY EVERY 45 DAYS, AND AS DIRECTED BY SHELL, PRESSURE TEST CASING AND ALL BLOWOUT EQUIPMENT WITH WATER TO 67 PER CENT OF RATED BURST RESISTANCE OF CASING STRING MAX. 2400 PSI FOR A MINIMUM OF 15 MINUTES USING A DEMCO TESTER OR OTHER PACKER ABOVE THE SPOOL.

SHELL CANADA LIMITED
CALGARY E. & P.
PRODUCTION DEPT - MECHANICAL ENG. SECTION

B.O.P. CLASSIFICATION NO. 3 SERIES 900
DRILLING TO 15,000 FT.
COMPLETION TO 12,000 FT.

DESIGNED -		SCALE - NT
DRAWN	CHKD -	DATE -
DBF		A-XX-D15-3[illegible]

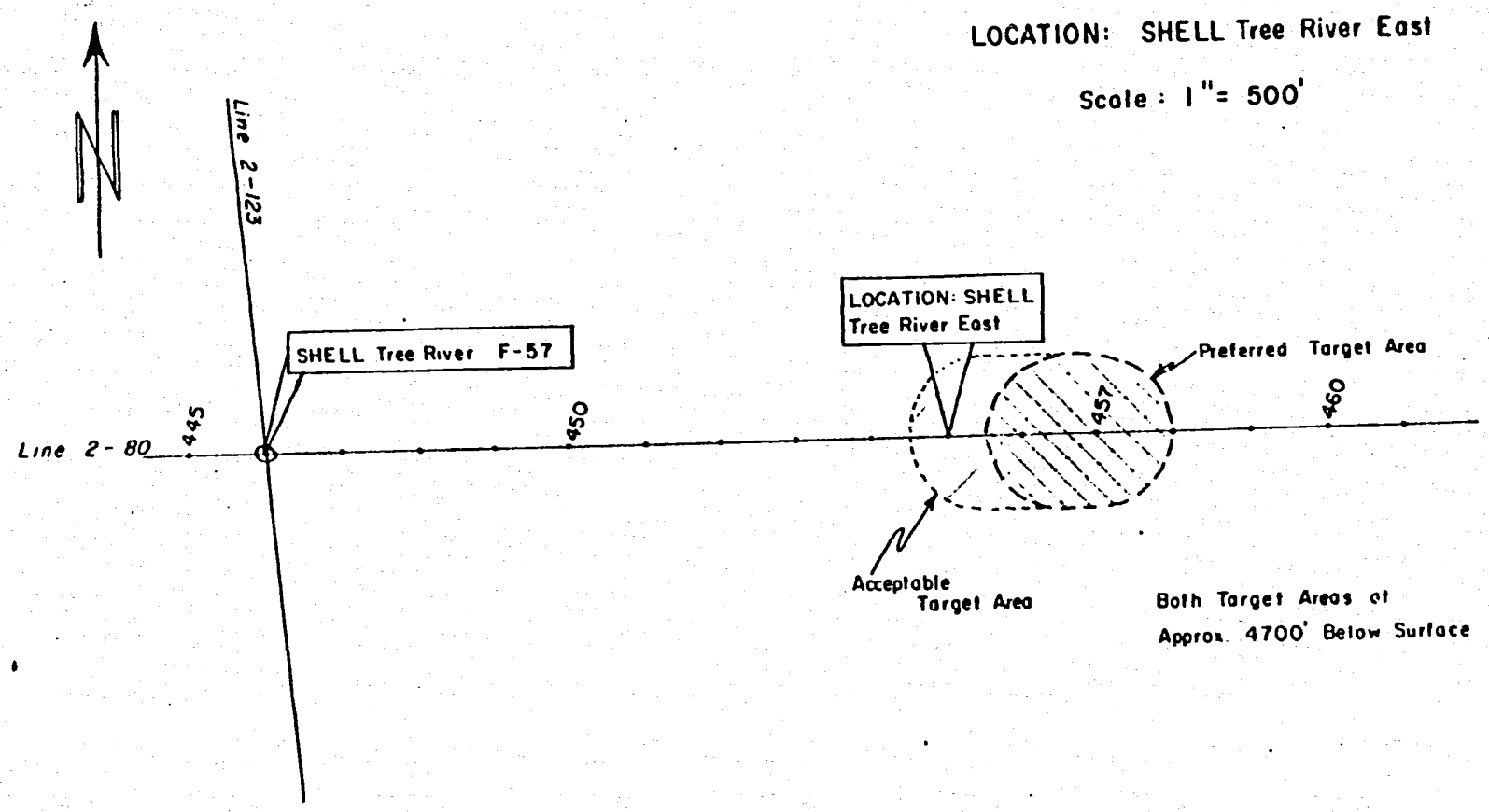
E-XX-D15-3291

EAST GLACIER AREA

NWT.

LOCATION: SHELL Tree River East

Scale : 1"= 500'



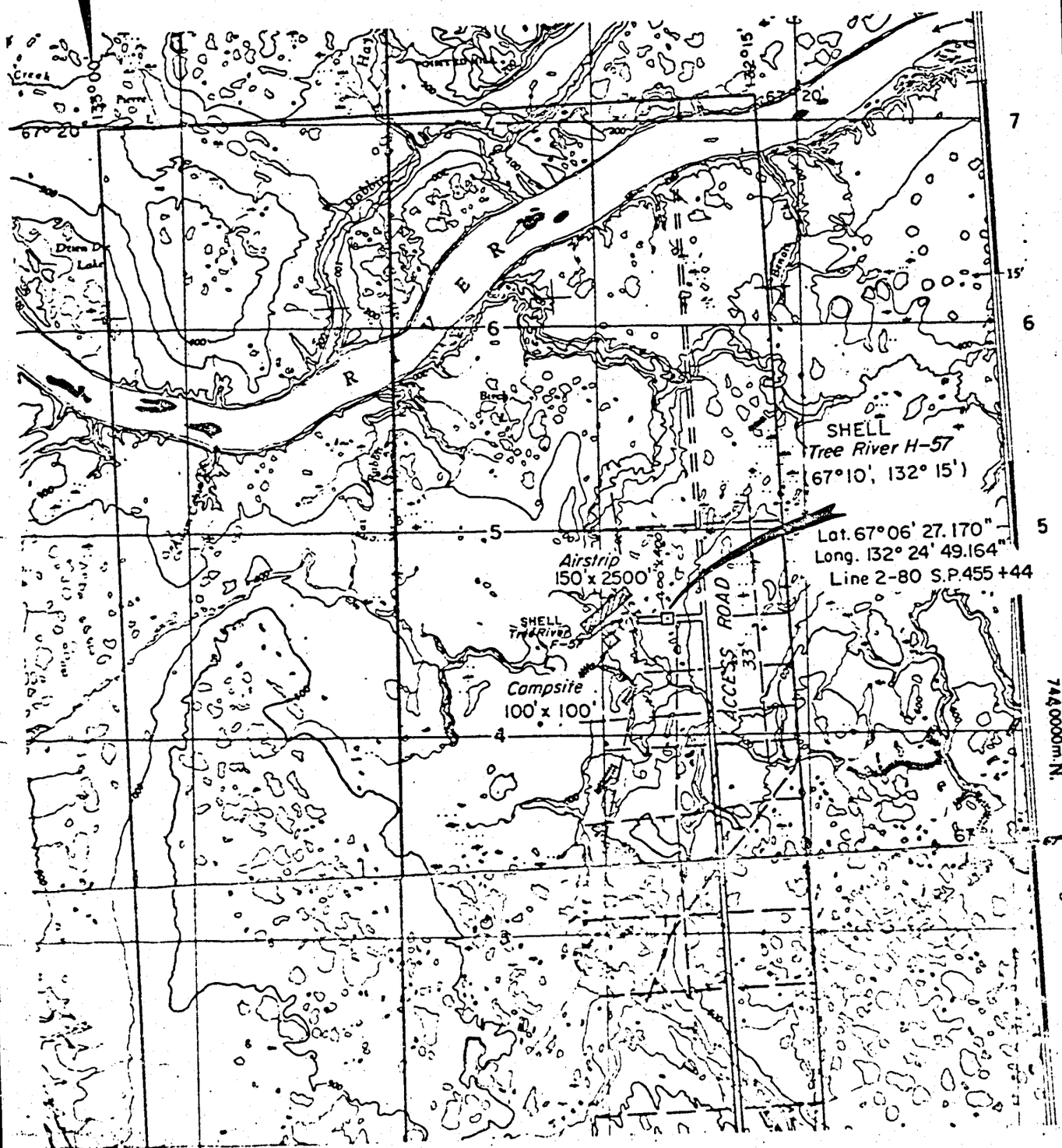
Both Target Areas at
Approx. 4700' Below Surface

O.R.F JAN 2., 1971

SHELL CANADA LIMITED
SKETCH PLAN SHOWING
WELLSITE, AIRSTRIP & CAMPSITE
FOR SHELL TREE RIVER H-57
GLACIER AREA
N.W.T.

SCALE : 1 : 250,000

JANUARY, 1971



CANADA

File No. 501
Drilling Authority No.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

OIL AND MINERAL DIVISION

WELL-SITE INSPECTION REPORT

FROM: Field Office or Area: Inuvik Date: 10th July 1971

TO: The Oil Conservation Engineer:

RE: Shell Tree River East H-57 67-10-132-15

Location: 67.10755°N., 132.41366°W. Status: D & A 1971

This location was inspected by the undersigned on 10th July 1971 T.D. 6500'

The location is in satisfactory/~~unsatisfactory~~ condition.

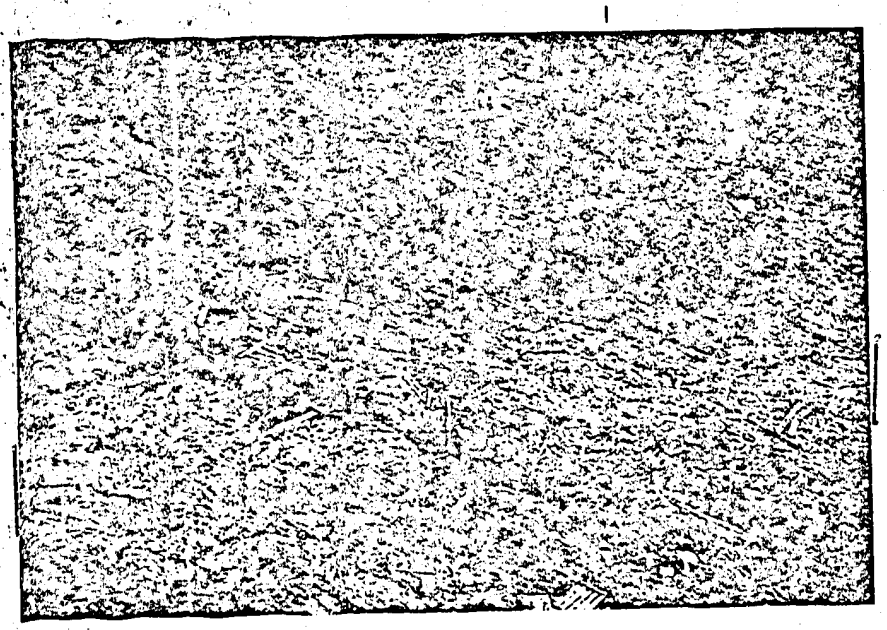
The following items require attention:

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

Other comments and recommendations: (Include Map, if necessary for clarity)

Marker not 2" diameter pipe but square rod 1" x 1"

Lease clean except around well - mostly wood.



Inspected by M. D. Thomas
District 2

Original to Oil Conservation Engineer, Dept of IA & ND, Duplicate to Field Office or Inspecting Engineer.
IAND 52-90-14 (9-69)

51

WELL HISTORY REPORT
SHELL TREE RIVER EAST H-57

37-11-6-10W.

SHELL CANADA LIMITED

37-11-6-103

WELL HISTORY REPORT

SHELL TREE RIVER EAST H-57

SHELL CANADA LIMITED

WELL HISTORY REPORT

SHELL TREE RIVER EAST H-57

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SECTION 1 - SUMMARY OF WELL DATA

(a) Well Name and Number

Shell Tree River East H-57

(b) Permittee

Shell Canada Limited ,
P.O. Box 880 ,
Calgary, Alberta

and

Shell Explorer Limited

(c) Name of Operator

Shell Canada Limited,
P.O. Box 880,
Calgary , Alberta

(d) Location

Unit H, Section 57, Grid 67°10'N, 132°15'W.
Latitude: 67°06' 27.170"N.
Longitude: 132°24' 49.164"W.
Universal Well Location Reference:
Lat. 67.10755°N.
Long. 132.41366°W.
Unique Well Identifier: 300H576710132150

(e) Permit Number

6492

(f) Drilling Contractor

Gustavson Drilling (1964) Ltd. Rig No. 11 - Rotary

(g) Drilling Authority Number

Drilling Authority No. 501
Date Issued: January 29, 1971

(h) Classification

Wildcat

(i) Elevation

Ground Level: 338.7 '
Kelly Bushing: 355 '

(j) Date Spudded

12:30 A.M. February 8, 1971

(k) Date Completed Drilling

March 11, 1971

(l) Total Depth

F.T.D. 6500 K.B. Driller's
6497' Logger's

(m) Well Status

Abandoned

(n) Rig Released

4:00 P.M. March 17, 1971

(o) Hole Sizes

12 1/4" to 1003' K.B.
8 3/4" to 6500' K.B.

(p) Casing

20" Conductor pipe run to 60' K.B.

9 5/8", New K-55, 36#
Surface Casing landed at 1003' K.B.
Cemented with 512 sacks of permafrost cement.

SECTION 11 - GEOLOGICAL SUMMARY

(a) Formation Tops

Formation	Sample Tops	Log Tops
Imperial	50' (+305)	Behind casing
Canol	2380' (-2025)	2365'(-2010)
Hume	2610' (-2255)	2640'(-2285)
Bear Rock	2830' (-2475)	2964'(-2609)
Delorme	4582' (-4227)	4596'(-4241)
Mount Kindle	5100' (-4745)	5235'(-4880)

(b) Cored Intervals

Core #1:
3932 - 3962, Bear Rock, Rec. 29.5'

Core #2:
4136 - 4166, Bear Rock, Rec. 28.8'

Core #3:

4224 - 4238, Bear Rock, Rec. 14.0'

Core #4:
4573 - 4603, Bear Rock & Delorme, Rec. 29.9'

Core #5:
4847 - 4877, Delorme, Rec. 25.7

(c) Core Description

Core #1: Dolomite, very fine, trace porosity,microfractures closed with calcite.

Coring Times

Depth	Min./Ft.
3932	
33	11
34	10
35	3
36	10
37	8
38	6
39	7
40	7
41	7

Coring Times

Depth	Min./Ft.
3942	6
43	8
44	4
45	6
46	7
47	7
48	6
49	6
50	5
51	8
52	10
53	6
54	8
55	14
56	8
57	5
58	5
59	5
60	5
61	4
3962	6

Core#2: Limestone and limy dolomite, very fine, tight, horizontal and vertical microfactures closed with calcite, very fossiliferous.

Coring Times

Depth	Min./Ft.
4136	
37	6
38	7
39	7
40	7
41	7
42	2
43	1
44	2
45	4
46	6
47	6
48	8
49	9
50	15
51	7
52	6
53	6
54	6
55	5
56	6
57	5

Coring Times

Depth	Min./Ft.
4158	6
59	5
60	6
61	6
62	5
63	5
64	6
65	6
66	7

Core #3: Limestone, very fine, lt. grey to grey, tight. One foot of open fracture.

Coring Times

Depth	Min./Ft.
4224	
25	5
26	6
27	7
28	8
29	6
30	5
31	6
32	5
33	7
34	5
35	5
36	5
37	5
38	6

Core #4: Dolomite, very fine, trace porosity, microfractures closed with calcite, shale stringers, trace pyrite.

Coring Times

Depth	Min./Ft.
4573	
74	6
75	7
76	6
77	7
78	5
79	6
80	6
81	7
82	7

Coring Times

Depth	Min./Ft.
4583	9
84	8
85	8
86	7
87	4
88	5
89	5
90	7
91	7
92	6
93	6.
94	5
95	6
96	6
97	6
98	7
99	10
4600	6
01	7
02	8
03	9

Core #5: Dolomite, med. to very fine, intermittent porosity, lt. grey to brown, fractures closed with calcite.

Coring Times

Depth	Min./Ft.
4847	
48	8
49	8
50	4
51	8
52	5
53	8
54	7
55	6
56	5
57	5
58	6
59	5
60	4
61	3
62	3
63	3
64	6
65	4
66	4
67	7

Coring Times

Depth	Min./Ft.
4868	2
69	2
70	3
71	2
72	3
73	5
74	6
75	5
76	11
4877	12

(d) Sample Description

0' - 100'	Glacial Till	Unconsolidated Gravels with abundant shale, traces of quartz, pyrite, chert glauconite.
100' - 450'	Shale - Siltstone	Shale lt. grey to grey, trace sandstone.
450' - 1250'	Shale	Lt. grey to grey.
1250' - 2380'	Shale - Sandstone	Lt. grey to grey Sandstone consolidated and siliceous.
2380' - 2620'	Shale	Traces of very fine dolomite slightly argillaceous.
2620' - 3020'	Shale - Limestone	Slightly argillaceous limestone interbedded with shale.
3020' - 3220'	No samples	Lost circulation at 3023.
3220' - 3460'	Shale - Limestone	Slightly argillaceous to clean limestone.
3460' - 3880'	Limestone - Dolomite	Clean to slightly argillaceous interbedded limestone and dolomite. Limestone buff to brown. Dolomite lt. brown to dark brown.
3880' - 3960'	No samples	Core #1 3932 - 3962 unable to get representative samples from 3880 to 3932.
3960' - 4100'	Dolomite	Slightly argillaceous dolomite brown to dark brown.
4100' - 4165'	Poor samples	Core # 2 4136-4166.
4165' - 4660'	Dolomite and Limestone	Slightly argillaceous brown to dark brown dolomite, with interbedded limestone.
4660' - 4970'	Dolomite	Slightly argillaceous to clean white to lt. buff dolomite. Fine to very fine crystalline.

4970' - 5850'	Dolomite and Limestone	Very fine intercrystalline dolomite, light buff to dark brown, slightly argillaceous with interbedded limestone. Minor amounts of shale.
5850' - 6500'	Dolomite	Fine to very fine intercrystalline, slightly argillaceous to clean dolomite light buff to brown.

(e) Paleontological Determinations

Nil

SECTION III - ENGINEERING SUMMARY

(a) Drill Stem Tests

No.	Interval	Flow Rate & Recovery	IFP	FFP	ISIP/Time	FSIP/Time
Nil						

(b) Casing Record

Date	Size	Grade	Weight	Amount	Set At
Feb. 10	9 5/8	K-55	36#	30 JTS.	1003'

Cemented with 512 Sxs. of permafrost cement.

(c) Bit Record

No.	Size	Type	Depth Out	Footage	Time/Hours on Bottom
1A	12 1/4	DTJ	397	397	14 3/4
2A	12 1/4	XIG	757	360	11 1/2
3A	12 1/4	XIG	1003	246	9 1/4
1	8 3/4	DTJ	2312	1309	23
2	8 3/4	J44	3023	711	28 1/2
3	8 3/4	XDV	3038	15	1/2
4	8 3/4	H76	3059	21	2 1/4
5	8 3/4	M88	3880	821	47 1/4
6	8 3/4	M88	4782	902	43 3/4
7	8 3/4	X55R	5543	761	41 1/2
8	8 3/4	X55R	6054	511	30 1/4
9	8 3/4	X55R	6494	440	21 3/4
10RR	8 3/4	XDV	6500	6	1/4

(d) Mud Record

	Pounds	Sacks	Gals.	Bbls.
Gel	225300			
Benex	44			
Diesel Fuel				50
Caustic	1475			
Defoam			6	
CMC	100			
Salt Gel	19,800			
Lignosol	7250			
Fiber		330		
Jetshell		12		
Peltex	150			
Lime	800			
Sawdust		1930		
DF 19	16			
Fine Nutshells		30		
Bicarb	1800			
Sodium Bichromate	1000			
Weight Mat.	48,000			
Walnut Shells		328		
Cello		24		
Polyseal		5		
Coarse Nutshells		5		

(e) Deviation Record

Depth	Deviation	Depth	Deviation
90'	1/4°	1740'	1°
168'	1/4	1993'	7/8
262'	1/4	2235'	3/4
365'	3/4	2312'	1/2
430'	3/4	2568'	1/4
495'	3/4	2826'	1/4
571'	7/8	3125'	1 3/4
664'	1	3190'	1 1/2
770'	1	3395'	1 1/4
835'	3/4	3519'	1 1/4
895'	1	3705'	1 3/4
977'	1 1/8	3860'	1 3/4
1250'	3/4	3932'	1 1/2
1312'	3/4	4073'	1 3/4
1490'	1	4224'	1 3/4
		4324'	1
		4430'	1
		4530'	1 1/2

Depth	Deviation
4750'	2
4968'	1 1/2
5135'	1
5403'	1
5700'	3/4
6010'	2 1/4
6435'	1 3/4

(f) Abandonment Plugs

Plug Number	Interval	Sacks of Cement
1	6350 - 6500	140
2 (Failed)	5150 - 5300	140
3	4972 - 5220	150
4	4500 - 4650	170
5 (Failed)	950 - 1060	70
6 (Failed)	950 - 1060	70
7	950 - 1060	50
8	950 - 1040	50
9	Surface	10

Felt plug #3 at 4972. Felt plug #4 at 4364. Felt plug #7 at 1040. Felt plug #8 at 950. 10 sack cement plug at surface. A 3/8" plate was welded on top of the casing and a riser with identification marker was installed.

(g) Lost Circulation Zones

Depth When Circulation Lost	Fluid Lost
245'	168 bbls.
3023' to T.D.	18,637 bbls.

(h) Blowouts

Nil

SECTION IV - LOGS

Type	Interval	Date
DILL	1002'-6493'	March 11, 1971
BHCS - GR - C	1002'-6495'	March 11, 1971
FDC	1002'-6495'	March 11, 1971
SNP	1002'-6490'	March 11, 1971
SRS		March 12, 1971

SECTION V - ANALYSIS

(a) Core Analysis

See Appendix A

(b) Water Analysis

Nil

(c) Gas Analysis

Nil

(d) Oil Analysis

Nil

SECTION VI - COMPLETION SUMMARY

(a) Tubing Record

Nil

(b) Perforation Record

Nil

(c) Cementation

Plug No.	Date	Plug Interval	Porous Interval	Sacks of Cement	Depth Felt
1	3/14/71	6350-6500	6415-6500	140	
2	3/15/71	5150-5300	5800-5960 4900-5200	140	
3	3/15/71	4972-5220	4665-4900	150	4972
4	3/15/16/71	4500-4650	4260-4596	170	4364
5	3/16/71	950-1060	2910-4080	70	
6	3/16/71	950-1060	2910-4080	70	
7	3/16/71	950-1060	2910-4080	50	1040
8	3/17/71	950-1040		50	950
9	3/17/71	Surface		10	

A 3/8" plate was welded on top of the casing and a riser with identification marker weldedto plate.

(d) Acidization and Fracturing

Nil

(e) Back Pressure and Production

Nil

W. Heckmann
for J.E. Czaja
Manager
Frontier Division Production

APPENDIX "A"

CORE ANALYSES

SHELL CANADA LIMITED - PRODUCTION LABORATORY
CORE ANALYSIS REPORT

Date: March, 1971

ELL Shell Tree River EH-57 KB 355' FIELD Wildcat CORED INTERVAL 3932.0-3962.0 RECOVERY 29.5' FORMATION Bear Rock

ab. o. MALL ORE AMPLES 'S' uffix	SECTION REPRESENTED Interval	Ft.	Lithological Description	ORIENTATION	Whole Core Samples - G.D. calc. Small Core Samples - G.D. measured Poro %	Kmax md	K90 md	Kvert md	G.D. gm/cc	Oil Sat'n % P.V.	Water Sat'n % P.V.	Fluor Cut	Remarks
re #1	3,932.0-3962.0	Rec.	29.5'										
C-1	3932.0-3933.0	1.0	DO, AN, I, F		1.7	0.19	0.07 *		2.738			N	
C-2	3933.0-3933.8	0.8	DO, AN, I, VF		0.7	3.2 *	0.03		2.723			N	
C-3	3933.8-3934.2	0.4	DO, CL, I, VF		1.0	0.2 *	0.08		2.734			N	
C-4	3934.2-3934.6	0.4	DO, Styolitic, I, V-F		0.7	0.2	0.2		2.733			N	
C-5	3934.6-3935.6	1.0	L-DO, CL, I, V-F		3.1	0.07 *	0.03		2.740			N	
C-6	3935.6-3936.5	0.9	DO, CL, I, V-F		5.6	5.2	0.7 *		2.777			N	
C-7	3936.5-3937.2	0.7	DO, Styolitic, I, V-F		4.9	0.14 *	0.08		2.813			N	
C-8	3937.2-3938.0	0.8	DO, CL, I, V-F		3.8	10.9 *	0.13		2.801			N	
C-9	3938.0-3938.6	0.6	DO, CL, I, VF,		5.6	2.5	0.13 *		2.814			N	
C-10	3938.6-3939.4	0.8	DO, CL, I, VF		3.6	14.0	5.9 *		2.811			N	
C-11	3939.4-3940.2	0.8	DO, CC, I, V-F		1.3	0.10 *	0.09		2.787			N	
C-12	3940.2-3941.0	0.8	DO, CL, I, VF		1.3	0.16	0.16		2.773			N	
C-13	3941.0-3941.6	0.6	DO, CL, I, VF		1.3	6.7 *	4.1		2.777			N	
C-14	3941.6-3942.4	0.8	DO, CC, I, V-F		2.0	0.08	0.08		2.707			N	
C-15	3942.4-3943.2	0.8	DO, CL, I, VF		2.1	1.2	0.04 *		2.779			N	
C-16	3943.2-3943.9	0.7	DO, CC, I, V-F		1.5	0.1	0.1		2.782			N	
C-17	3943.9-3944.4	0.5	DO, CL, I, VF		4.4	0.2	0.2		2.774			N	
C-18	3944.4-3945.5	1.1	DO, CC, I, V-F, B		1.4	0.6 *	0.4		2.778			N	
C-19	3945.5-3946.2	0.7	DO, CL, I, VF		5.0	0.2	0.2		2.806			N	
C-20	3946.2-3946.8	0.6	DO, CL, I, VF		8.8	0.7	0.6 *		2.832			N	
C-21	3946.8-3947.6	0.8	DO, CL, I, VF, B		0.5	0.3	0.2 *		2.773			N	
C-22	3947.6-3948.2	0.6	DO, CC, I, V-F, B		1.9	0.3	0.2 *		2.756			N	
C-23	3948.2-3948.7	0.5	DO, CC, I, V-F		0.9	0.2	0.2		2.742			N	
C-24	3948.7-3949.3	0.6	DO, CL, I, V-F		0.3	0.1	0.1		2.738			N	
C-25	3949.3-3950.2	0.9	L-DO, CL, I, VF		4.9	0.7	0.8 *		2.796			N	
C-26	3950.2-3951.0	0.8	DO, AN, I, VF, B		4.6	0.9 *	0.8		2.791			N	
C-27	3951.0-3951.9	0.9	DO, CC, I, VF, B		4.9	0.8 *	0.6		2.322			N	
C-28	3951.9-3952.5	0.6	DO, CL, I, VF, B		6.8	2.4	1.7 *		2.810			N	
C-29	3952.5-3953.0	0.5	DO, CC, I, V-F, B		3.4	1.5 *	0.4		2.815			N	
C-30	3953.0-3953.8	0.8	DO, CL, I, VF, B		4.7	0.3 *	0.2		2.798			N	
C-31	3953.8-3954.5	0.7	DO, CL, I, VF		0.4	0.2 *	0.1		2.754			N	
C-32	3954.5-3955.2	0.7	DO, CL, I, VF		0.6	0.3	0.2 *		2.736			N	

SHELL CANADA LIMITED - PRODUCTION LABORATORY
CORE ANALYSIS REPORT

Date: March, 1971

WELL Shell Tree River EH-57 KB 355' FIELD Wildcat CORED INTERVAL 3932.0-3962.0 RECOVERY 29.5' FORMATION Wildcat

Whole Core Samples - G.D. calc.
Small Core Samples - G.D. measured

Lab. No. SMALL CORE SAMPLES 'S' Suffix	SECTION REPRESENTED Interval	Ft.	Lithological Description	ORIENTATION	Poro %	Kmax md	K90 md	Kvert md	G.D. gm/cc	Oil Sat'n % P.V.	Water Sat'n % P.V.	Fluor Cut	Remarks
Core #	(continued)												
	3955.2-3955.9	0.7	DO, CL, I, VF, B		5.8	1.2 *	0.8		2.819			N	
C-33	3955.9-3956.8	1.4	DO, CL, I, VF		9.3	2.9	2.6 *		2.810			N	
C-34	3956.8-3957.6	0.8	Same as sample #34										Badly broken
	3957.6-3958.4	0.8	Same as sample #34										Badly broken
	3958.4-3958.7	0.3	DO, CL, I, VF		0.5	0.2 *	0.1		2.763			N	
C-35	3958.7-3960.0	1.3	DO, CL, I, VF, B		2.2	2.9 *	2.1		2.771			N	
C-36	3960.0-3960.2	0.2	Same as sample #36										Badly broken
	3960.2-3961.0	0.8	DO, CL, I, VF, B		2.9	2.1	0.2 *		2.768				
C-37	3961.0-3961.5	0.5	Same as sample #37										Badly broken
	3961.5-3962.9	0.5	Same as sample #37										Missing

* Permeability measured along plan through orientation lines.

SHELL CANADA LIMITED - PRODUCTION LABORATORY
CORE ANALYSIS REPORT

Date: March, 1971.

WELL Shell Tree River H-57 KB 3551 FIELD Wildcat CORED INTERVAL 4136.0-4166.0 RECOVERY 28.8 FORMATION Bear Rock

Lab. No. SMALL CORE SAMPLES 'S' Suffix	SECTION REPRESENTED Interval	Ft.	Lithological Description	ORIENTATION	Whole Core Samples - G.D. calc. Small Core Samples - G.D. measured Poro %	Kmax md	K90 md	Kvert md	G.D. gm/cc	Oil Sat'n % P.V.	Water Sat'n % P.V.	Fluor Cuts	Remarks
Core #2	4136.0-4166.0	Rec.	28.8'										
S-38	4136.0-4136.0	0.3	L-DO, CL, I, VF		0.8	0.1 *	0.06		2.712			N	
S-39	36.3 - 36.7	0.4	DO, CC, I, V-F		0.9	0.4	0.3 *		2.710			N	
S-40	36.7 - 37.0	0.3	DO, CC, I, V-F		0.2	75.2 f	38.9 *f		2.709			N	
S-41	37.0 - 37.7	0.7	L-DO, CL, I, VF		0.2	0.1	0.06 *		2.692			N	
S-42	37.7 - 38.4	0.7	L-DO, CL, I, VF		0.4	0.5 *	0.09		2.695			N	
S-43	38.4 - 39.0	0.6	L-DO, CL, I, VF		1.2	0.04*	0.00		2.716			N	
S-44	39.0 - 39.6	0.6	DO, CL, I, VF		0.1	1.9	0.1 *		2.683			N	
S-45	39.6 - 40.0	0.4	L-DO, CL, I, VF		2.2	0.4	0.1 *		2.734			N	Badly broken
	40.0 - 41.0	1.0	Same as sample #45										
S-46	41.0 - 42.0	1.0	L-DO, CL, I, VF		0.5	0.9 *	0.8		2.747			N	
S-47	42.0 - 42.5	0.5	DO, CC, I, V-F		0.6	0.06*	0.06		2.704			N	
S-48	42.5 - 43.0	0.5	DO, CL, I, VF		0.2	0.1 *	0.05		2.723			N	Badly broken
	43.0 - 44.0	1.0	Same as sample #48										
S-49	44.0 - 44.7	0.7	L-DO, CL, I, VF		0.3	0.05*	0.02		2.708			N	
S-50	44.7 - 45.4	0.7	L-DO, CL, I, VF		0.1	0.08*	0.05		2.700			N	
S-51	45.4 - 46.5	1.1	L-DO, CL, I, VF		1.0	1.1	0.2 *		2.767			N	
S-52	46.5 - 48.0	1.5	L-DO, CL, I, VF		1.3	0.1	0.1		2.721			N	
S-53	48.0 - 49.0	1.0	DO, CC, I, V-F		0.9	0.09	0.02 *		2.717			N	
S-54	49.0 - 49.7	0.7	L-DO, CL, I, VF		0.1	0.1	0.1		2.709			N	
S-55	49.7 - 50.5	0.8	L-DO, CC, I, V-F		0.4	0.09	0.09		2.738			N	
S-56	50.5 - 51.6	1.1	L-DO, CL, I, V-F		0,1	0.08 *	0.04		2.718			N	
S-57	51.6 - 52.3	0.7	L-DO, CL, I, V-F		0.6	1.8 *	0.3		2.725			N	
S-58	52.3 - 53.0	0.7	L-DO, CL, I, V-F		0.2	0.08	0.08		2.741			N	
S-59	53.0 - 54.0	1.0	L-DO, CL, I, V-F		0.3	0.2	0.02 *		2.703			N	
S-60	54.0 - 55.0	1.0	L-DO, CL, I, V-F		0.6	0.7 *	0.1		2.700			N	
S-61	55.0 - 55.7	0.7	L-DO, CL, I, V-F		0.1	0.1	0.1		2.720			N	
S-62	55.7 - 56.5	0.8	L-DO, CL, I, V-F		0.02	1.6 *	0.1		2.698			N	
S-63	56.5 - 57.5	1.0	L-DO, CL, I, VF		0.7	0.05 *	0.03		2.718			N	
S-64	57.5 - 58.6	1.1	DO, CC, I, V-F		0.03	0.07 *	0.02		2.737			N	
S-65	58.6 - 59.6	1.0	DO, CL, I, VF		0.4	0.05 *	0.04		2.768			N	
S-66	59.6 - 60.3	0.9	DO, CL, I, VF		0.3	0.1 *	0.06		2.729			N	
S-67	60.3 - 60.8	0.5	DO, CC, I, V-F		0.5	0.2	0.2		2.752			N	

SHELL CANADA LIMITED - PRODUCTION LABORATORY
CORE ANALYSIS REPORT

Date: March, 1971

WELL Shell Tree River H-57 KB 3551 FIELD Wildcat CORED INTERVAL 4136.0-4166.0 RECOVERY 28.8 FORMATION Bear Rock

Lab. No. SMALL CORE SAMPLES 'S' Suffix	SECTION REPRESENTED Interval	Ft.	Lithological Description	ORIENTATION	Whole Core Samples - G.D. calc. Small Core Samples - G.D. measured: Poro %	Kmax md	K90 md	Kvert md	G.D. gm/cc	Oil Sat'n % P.V.	Water Sat'n % P.V.	Fluor Cuts	Remarks
Core #2 (continued)													
C-68	60.8 - 61.6	0.8	DO, CC, I, V-F		0.01	0.07 *	0.06		2.733			N	
C-69	61.6 - 62.6	1.0	L-DO, I, VF		0.02	0.06	0.07		2.707			N	
C-70	62.6 - 63.6	1.0	L-DO, I, VF		1.2	18.3 *	0.1		2.732			N	
C-71	63.6 - 64.8	1.2	L-DO, I, VF		0.5	2.7 *	1.2		2.719			N	
	64.8 - 66.0	1.2											Missing.

* Permeability measured along plain through orientation lines.

WELL Shell Tree River H-57 KB 3551 FIELD Wildca t CORED INTERVAL 4224.0-4238.0 RECOVERY 14' FORMATION Bear Rock

Lab. No. SMALL CORE SAMPLES 'S' Suffix	SECTION REPRESENTED Interval	Ft.	Lithological Description	ORIENTATION	Whole Core Samples - G.D. calc. Small Core Samples - G.D. measured Poro %	Kmax md	K90 md	Kvert md	G.D. gm/cc	Oil Sat'n % P.V.	Water Sat'n % P.V.	Fluor Cuts	Remarks
Core #3	4224.0-4238.0	Rec.	14'										Badly broken
	4224.0-4225.3	1.3	Same as sample #72		0.5	0.4	0.2 *		2.785			N	
C-72	4225.3-4225.8	0.5	L-DO, CL, I, VF		0.2	0.2 *	0.1		2.752			N	
C-73	4225.8-4226.3	0.5	L-DO, CL, I, VF		0.2	0.5 *	0.4		2.740			N	
C-74	4226.3-4227.7	1.4	L-DO, CL, I, VF		0.7	0.5 *	0.4		2.745			N	
C-75	4227.7-4228.6	0.9	L-DO, Styolitic I, V-F		0.9	2.4 *	1.6		2.765			N	
C-76	4228.6-4229.5	0.9	L-DO, CC, I, VF		0.3	0.1	0.1		2.695			N	
C-77	4229.5-4230.0	0.5	L-DO, CL, I, VF										Badly broken
	4230.0-4231.6	1.6	Same as Sample #77										Badly broken
	4231.6-4232.3	0.7	Same as Sample #77										Badly broken
	4232.3-4333.3	1.0	Same as sample #77										
C-78	4233.3-4234.1	0.8	L-DO, CL, I, VF		0.5	0.6 *	0.2		2.773			N	
C-79	4234.1-4235.0	0.9	L-DO, CL, I, VF		0.5	0.1 *	0.06		2.741			N	
C-80	4235.0-4235.5	0.5	L-DO, Styolitic, I, V-F		0.1	0.07	0.07		2.722			N	
C-81	4235.5-4236.0	0.5	L-DO, CL, I, VF		0.2	0.09*	0.08		2.729			N	
C-82	4236.0-4237.2	1.2	L-DO, CL, I, VF		0.2	0.06*	0.04		2.701			N	
C-83	4237.2-4237.8	0.6	L-DO, CC, I, V-F		0.06	0.09*	0.06		2.735			N	
	End of Core #3												
Core #4	4573.0-4603.0	Rec.	29.9' Formation: Delorm										
C-84	4573.0-4574.4	1.4	L-DO, CL, I, VF		0.2	0.1 *	0.07		2.783			N	
	4574.4-4575.0	0.6	Same as sample #84										Badly broken
C-85	4575.0-4575.7	0.7	L-DO, CC, I, VF		0.9	0.7 *	0.3		2.780			N	
	4575.7-4575.9	0.2	Same as sample #85										Badly broken
C-86	4575.9-4576.4	0.5	L-DO, CL, I, VF		1.5	2.0 *	0.7		2.780			N	
	4576.4-4576.9	0.5	Same as sample #86										Badly broken
C-87	4576.9-4577.9	1.0	L-DO, CL, I, VF		0.06	0.1	0.1		2.779			N	
C-88	4577.9-4578.3	0.4	L-DO, Styolitic, V-F		4.6	0.1	0.1		2.752			N	
C-89	4578.3-4579.0	0.7	L-DO, PY, Styolitic V-F		0.2	0.05	0.05		2.797			N	
	4579.0-4579.7	0.7	Same as sample #89										Badly broken
C-90	4579.7-4580.7	1.0	DO, CL, I, VF		0.3	0.1*	0.05		2.837			N	
C-91	4580.7-4581.7	1.0	DO, CC, I, V-F		0.1	1.9*	0.04		2.788			N	
	4581.7-4582.9	1.2	Same as sample #91										Badly broken
C-92	4582.9-4584.3	1.4	L-DO, PY, I, V-F		0.5	0.1*	0.05		2.793			N	

WELL Shell Tree River H-57 KB 3551 FIELD Wildcat CORED INTERVAL 4573.0-4603.0 RECOVERY 29.9' FORMATION Delorme

Lab. No. SMALL CORE SAMPLES 'S' Suffix	SECTION REPRESENTED Interval	Ft.	Lithological Description	ORIENTATION	Whole Core Samples - G.D. calc. Small Core Samples - G.D. measured Poro %	Kmax md	K90 md	Kvert md	G.D. gm/cc	Oil Sat'n % P.V.	Water Sat'n % P.V.	Fluor Cuts	Remarks
Core #4	4573.0-4603.0	(continued)											
C-93	4584.3-4584.8	0.5	DO, CL, I, VF		0.07	0.7 *	0.06		2.794			N	
C-94	4584.8-4585.1	0.3	DO, PY, I, VF		0.4	0.3 *	0.09		2.815			N	
C-95	4585.1-4585.6	0.5	DO, CL, I, VF		0.5	0.06	0.06		2.746			N	
C-96	4585.6-4587.7	2.1	DO, CL, I, VF		5.6	3.5	3.3 *		2.822			N	
C-97	4587.7-4588.6	0.9	L-DO, CL, I, VF		0.05	13.2 *	1.1.		2.794			N	
C-98	4588.6-4589.8	1.2	L-DO, CL, I, VF		1.3	0.07	0.05 *		2.729			N	
C-99	4589.8-4590.5	0.7	L-DO, CL, I, VF		0.4	3.0 *	0.2		2.724			N	
C-100	4590.5-4591.1	0.6	DO, CL, I, VF		0.8	0.1	0.1		2.747			N	
C-101	4591.1-4591.7	0.6	DO, CL, I, VF		0.6	0.2	0.1 *		2.769			N	
C=102	4591.7-4592.5	0.8	L-DO, CL, I, VF		0.8	0.8 *	0.3		2.771			N	
C-103	4592.5-4593.1	0.6	L-DO, CL, I, VF		3.3	0.1	0.1		2.796			N	
C-104	4593.1-4593.7	0.6	L-DO, CL, I, VF-F		1.4	0.1 *	0.08		2.767			N	
C-105	4593.7-4594.4	0.7	L-DO, CL, I, VF		2.8	0.08	0.08		2.789			N	
C-106	4594.4-4595.1	0.7	DO, CL, I, VF		2.4	0.08	0.08		2.800			N	
C-107	4595.1-4595.5	0.4	L-DO, CL, I, VF		3.4	0.1 *	0.06		2.797			N	
C-108	4595.5-4596.6	1.1	L-DO, CL, I, VF		0.9	0.08 *	0.04		2.769			N	
C-109	4596.6-4597.8	1.2	L-DO, CL, I, VF		3.4	0.1 *	0.08		2.749			N	
C-110	4597.8-4598.7	0.9	DO, CL, I, VF		1.4	0.08	0.0 *		2.726			N	
C-111	4598.7-4599.4	0.7	DO, CL, I, VF		2.6	0.8	0.07 *		2.732			N	
C-112	4599.4-4600.1	0.7	DO, PY, I, VF-F		2.7	0.07 *	0.03		2.703			N	
C-113	4600.1-4600.9	0.8	DO, PY, I, F-VF		1.4	0.05	0.05		2.715			N	
C-114	4600.9-4601.5	0.6	DO, PY, I, F-VF		1.5	0.04	0.04		2.728			N	
C-115	4601.5-4602.0	0.5	L-DO, PY, I, F-VF		1.1	0.04 *	0.03		2.729			N	
C-116	4602.0-4602.8	1.0	L-DO, CL, I, F-VF		0.5	0.05	0.03 *		2.736			N	
	4602.8-4603.0	0.2											Missing

WELL Shell Tree River E H-57 KB 355' FIELD Wildcat CORED INTERVAL 4847.0-~~4877.7~~ 4877.0 RECOVERY 25.7 FORMATION Delorme

Lab. No. SMALL CORE SAMPLES 'S' Suffix	SECTION REPRESENTED Interval	Ft.	Lithological Description	ORIENTATION	Whole Core Samples - G.D. calc. Small Core Samples - G.D. measured Poro %	Kmax md	K90 md	Kvert md	G.D. gm/cc	Oil Sat'n % P.V.	Water Sat'n % P.V.	Fluor Cut	Remarks
Core #5	4847.0-~~4877.7~~ 4877.0	Rec. 25.7											
C-117	4847.0-4847.4	0.4	L-DO, CL, I, V-F		1.8	1.7 f	1.1 *		2.770			N	
C-118	4847.4-4847.8	0.4	DO, CC, I, V-F		4.5	1.2 *	0.5		2.801			N	
C-119	4847.8-4848.1	0.3	L-DO, CC, I, VF, Btr		2.4	0.09	0.05 *		2.821			N	
C-120	4848.1-4848.6	0.5	L-DO, PY, I, V-F		2.1	0.08	0.03 *		2.769				Missing
	4848.6-4949.0	0.4											
C-121	4849.0-4849.8	0.8	L-DO, CL, I, VF		4.4	4.2 *	0.2		2.797			N	
C-122	4849.8-4850.4	0.6	DO, CC, I, VF		3.3	0.6	0.3 *		2.860			N	
C-123	4850.4-4851.0	0.6	DO, CC, I, VF, B		3.6	2.1	2.1		2.850			N	
C-124	4851.0-4851.3	0.3	DO, CC, I, F-M, B		5.9	37.	7.4 *		2.875			N	
C-125	4851.3-4851.7	0.4	DO, CC, I, F-M, B		3.0	0.3	0.0 *		2.855			N	
C-126	4851.7-4852.5	0.8	DO, CC, I, F-V, B, C		4.5	11.2	11.1 *		2.818			N	Badly broken
	4852.5-4853.0	0.5	Same as sample #127										
C-127	4853.0-4853.6	0.6	DO, CL, I, F-M, B, C,		2.0	2.1	0.3 *		2.827			N	
C-128	4853.6-4854.4	0.8	DO, CL, I, F-M, B, C		0.6	0.06	0.06		2.789			N	
C-129	4854.5-4854.8	0.4	L-DO, CC, I, VF, Btr		2.4	3.0 *	2.1		2.777	=		N	
C-130	4854.8-4855.4	0.6	L-DO, CC, I, VF		2.8	34.8 *f	24.1 f		2.815			N	
C-131	4855.4-4856.0	0.6	DO, CL, I, VF		0.6	6.0 *f	0.3		2.767			N	
C-132	4856.0-4856.4	0.4	L-DO, CC, I, F-M, BCtr		0.4	0.04	0.04		2.800			N	
C-133	4856.4-4857.0	0.6	L-DO, CC, I, VF		0.8	0.2	0.1 *		2.793			N	
C-134	4857.0-4857.7	0.7	L-DO, CL, I, VF		0.5	0.1	0.1		2.819			N	
C-135	4857.7-4858.5	0.8	L-DO, CL, I, VF		0.6	0.1 *	0.03		2.818			N	
C-136	4858.5-4859.5	1.0	L-DO, CL, I, VF		1.6	0.2 *	0.1		2.773			N	Badly broken
	4859.5-4860.7	1.2	Same as sample #136										
C-137	4860.7-4861.4	0.7	L-DO, CL, I, VF		2.9	1.9	0.1 *		2.833			N	Badly broken
	4861.4-4861.6	0.2	Same as sample #137										
C-138	4861.6-4862.0	0.4	L-DO, CL, I, VF, B, C		3.5	43.3 *	10.6		2.833			N	
C-139	4862.0-4862.8	0.8	L-DO, CL, I, VF, B, C,		3.4	4.5 *	3.7		2.840			N	
	4862.8-4863.9	1.1	Same as sample #139										Badly broken
	4863.9-4864.3	0.4	Same as sample #139										Badly broken
	4864.3-4864.8	0.5	Same as sample #139										Badly broken

SHELL CANADA LIMITED - PRODUCTION LABORATORY
CORE ANALYSIS REPORT

Date: March, 1971

WELL Shell Tree River E H-57 KB 355' FIELD Wildcat CORED INTERVAL 4847.0-4877.0 RECOVERY 25.7' FORMATION Delorme

Lab. No. SMALL CORE SAMPLES 'S' Suffix	SECTION REPRESENTED Interval	Ft.	Lithological Description	ORIENTATION	Whole Core Samples - G.D. calc. Small Core Samples - G.D. measured Poro %	Kmax md	K90 md	Kvert md	G.D. gm/cc	Oil Sat'n % P.V.	Water Sat'n % P.V.	Fluor Cut	Remarks
	4847.0-4877.0												
Core #5	4847.0-4877.0	Rec.	25.7' (continued)										
C-140	4864.8-4865.4	0.6	L-DO, CL, I, F-M, B,C		1.7	0.9 *	0.5		2.838			N	
C-141	4865.4-4865.9	0.5	L-DO, CC, I, VF, Btr		0.8	0.2 *	0.1		2.822			N	
C-142	4865.9-4866.4	0.5	L-DO, CC, I, VF, B		6.8	1.2 *	0.4		2.825			N	Missing
	4866.4-4866.7	0.3											
C-143	4866.7-4867.2	0.5	DO, Styolitic, I, VF		1.7	2.8 f*	0.2		2.826			N	
C-144	4867.2-4867.6	0.4	DO, CL, I, VF, Btr		3.2	3.2 f*	0.6 f		2.833			N	
C-145	4867.6-4868.2	0.6	DO, Styolitic, I, VF		2.0	3.0 f*	0.1		2.850			N	
C-146	4868.2-4869.2	1.0	DO, CL, I, VF, B		1.3	0.3	0.1 *		2.828				Badly broken
	4869.2-4872.1	2.9	Same as saple #146										
C-147	4872.1-4872.7	0.6	DO, CC, I, VF		0.04	1.1 *	0.3		2.767			N	
	4872.7-4877.0	4.3	Lost Core										

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Trec River East H-57

LOCATION: | PROVINCE: Alberta

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Crawford

CONTRACTOR: Gustavson Drilling (1964) Ltd.

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack Van Luit

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE: MONTH	DAY	YEAR
					March	20	71

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS				
	HOURS FOR SHELL ACCOUNT				
CONTRACTOR	BOILER				

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

MORNING TOUR

DRILLING ASSEMBLY NO. | CODE AT END OF TOUR

BIT FT.

I.D. X O.D. FT.

DP STANDS FT.

DP SINGLES FT.

KELLY DOWN FT.

TOTAL FT.

WT. OF DC IN AIR LBS.

WT. OF STRING LBS.

BIT RECORD

BIT NO. | SIZE | MFG. | TYPE | JETS 1/32" | SERIAL NO. | DEPTH OUT | DEPTH IN | TOTAL FTG. | TOTAL HRS. RUN | BIT CONDITION 1/8" T/B/GAGE | REAMER CUTTER NO. | REAMER TYPE

MUD RECORD

TIME | WEIGHT | VIS.-SEC. | PV/YP | GELS. | W.L.-C.C. | PH | % SOLIDS | % SAND

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
				WORK ON CLEANING up location & loading Sleighs, Helpload Truck.
				3 men swamp on Trucks.
				6 hours overtime helping Load Trucks

DRILLER: D. Grindell

DAY TOUR

DRILLING ASSEMBLY NO. | CODE AT END OF TOUR

BIT FT.

I.D. X O.D. FT.

DP STANDS FT.

DP SINGLES FT.

KELLY DOWN FT.

TOTAL FT.

WT. OF DC IN AIR LBS.

WT. OF STRING LBS.

BIT RECORD

BIT NO. | SIZE | MFG. | TYPE | JETS 1/32" | SERIAL NO. | DEPTH OUT | DEPTH IN | TOTAL FTG. | TOTAL HRS. RUN | BIT CONDITION 1/8" T/B/GAGE | REAMER CUTTER NO. | REAMER TYPE

MUD RECORD

TIME | WEIGHT | VIS.-SEC. | PV/YP | GELS. | W.L.-C.C. | PH | % SOLIDS | % SAND

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
800	800	12		Load out & Clean up Location
4 Hrs	Overtime			E. Johnson A. Lundell Thos H. Haydon C. Graff Dwight H. Farrell.
800	800	12		B. Rssell (welding) 4 hrs on Sleigh.

DRILLER: E. Johnson

EVENING TOUR

DRILLING ASSEMBLY NO. | CODE AT END OF TOUR

BIT FT.

I.D. X O.D. FT.

DP STANDS FT.

DP SINGLES FT.

KELLY DOWN FT.

TOTAL FT.

WT. OF DC IN AIR LBS.

WT. OF STRING LBS.

BIT RECORD

BIT NO. | SIZE | MFG. | TYPE | JETS 1/32" | SERIAL NO. | DEPTH OUT | DEPTH IN | TOTAL FTG. | TOTAL HRS. RUN | BIT CONDITION 1/8" T/B/GAGE | REAMER CUTTER NO. | REAMER TYPE

MUD RECORD

TIME | WEIGHT | VIS.-SEC. | PV/YP | GELS. | W.L.-C.C. | PH | % SOLIDS | % SAND

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.00			DRIVE TO NEW LEASE LEVEL OUT SAWDUST
				2 MEN SWAMPING ON TRUCKS.
4 HRS	OVERTIME			J. Horist J. Lucknan J. Magnuson
				E. Hamilton P. Tupton.

DRILLER: J. Horist

CP-30 (10/69)

DAILY DRILLING REPORT

WELL NAME

LOCATION: SHELL TREE RIVER EAST H-57

PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Les Crawford

CONTRACTOR: GUSTAFSON DRILLING

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J. M. Reid

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
				40	MARCH	19	1971

DP / DC. SIZE	WT. / FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS				
	HOURS FOR SHELL ACCOUNT				

BOILER / ROTARY / POWER SWIVEL

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO. | CODE

BIT | I.D. X O.D. | FT.

DP | STANDS | FT.

DP | SINGLES | FT.

KELLY DOWN | FT.

TOTAL | FT.

WT. OF DC IN AIR | LBS.

WT. OF STRING | LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SERIAL NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
BIT CONDITION 1/8" T/B/GAGE			
REAMER CUTTER NO.			
REAMER TYPE			

MUD RECORD

TIME			
WEIGHT			
VIS.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00				WORK ON DERRICK
				UNBOLT MOTORS.
				STACK MUD IN RESPECTIVE PLACES
		10.00		AND GENERAL CLEAN UP AROUND RIG.
				2½ HRS OVERTIME. A. EWASIUK L. SCOTT L. BRAZEL R. LANGLOIS.
				4 " " SWAMPING ON TRUCK. R. BERG.

DRILLER: A. Ewasiuk

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO. | CODE

BIT | I.D. X O.D. | FT.

DP | STANDS | FT.

DP | SINGLES | FT.

KELLY DOWN | FT.

TOTAL | FT.

WT. OF DC IN AIR | LBS.

WT. OF STRING | LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SERIAL NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
BIT CONDITION 1/8" T/B/GAGE			
REAMER CUTTER NO.			
REAMER TYPE			

MUD RECORD

TIME			
WEIGHT			
VIS.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.00			TAKE DOWN DERRICK DRAWWORKS & COMPOUNDS
				MOVE SUB OFF MATTING
				LOAD TRUCKS W/ MATTING
				OVERTIME 4 HRS.
				J. Howsit J. Cochran J. Magnuson K.C.C
				L. Hennebelle P. Tupton

DRILLER: J. Howsit

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO. | CODE

BIT | I.D. X O.D. | FT.

DP | STANDS | FT.

DP | SINGLES | FT.

KELLY DOWN | FT.

TOTAL | FT.

WT. OF DC IN AIR | LBS.

WT. OF STRING | LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SERIAL NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
BIT CONDITION 1/8" T/B/GAGE			
REAMER CUTTER NO.			
REAMER TYPE			

MUD RECORD

TIME			
WEIGHT			
VIS.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8:00	9:00	12		Unpin Derrick & Sub
				Load out Matting & prefabs
				4 Hrs Overtime E. Johnson A. Lundle H. Haydon
				C. Greff H. Farrell K.C.C
				D. Sundahl, D. Siebert 5 hours loading Trucks
				B. Woody, C. Lewis, S. Wehrsdale 4 hours
				Swamping on Trucks

DRILLER: E. Johnson

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST H-57

LOCATION: PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Les Crawford

CONTRACTOR: GUSTAVSON DRILLING RIG NO. 11

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Art McLeod

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
				39	MARCH	18	1971

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LAST CASING, TUBING, OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS				
	HOURS FOR SHELL ACCOUNT				

HOURS CONTRACTOR

	BOILER

HOLE CONDITION

1	HOLE DRAG (1000#)
2	TORQUE ON BOTTOM (DP TURNS)
3	FILL ON BOTTOM (FEET)

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO. | CODE

BIT — FT.

I.D. X O.D. — FT.

DP STANDS — FT.

DP SINGLES — FT.

KELLY DOWN — FT.

TOTAL — FT.

WT. OF DC IN AIR — LBS.

WT. OF STRING — LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SERIAL NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
BIT CONDITION 1/8" T/B/GAGE			
REAMER CUTTER NO.			
REAMER TYPE			

MUD RECORD

TIME			
WEIGHT			
VIS.-SEC.			
PV/YP			
GELS.			
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00				DISMANTEL COMPOUNDS
				TAKE BELTS OFF PUMPS
				CLEAN NO1 BOILER. TEAR OUT STEAM & WATER LINES
				TEAR OUT REAR ENTRANCE OFF MAIN BUILDING
				AND START LAYING DOWN SAME.
	12.00			4 HRS. OVERTIME A. EWASIUK. J SCOTT L. BRAZEL. R. LANGLOIS
				8 " " SWAMPING ON TRUCK. R. BERG.

DRILLER A. Ewasiuk

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO. | CODE

BIT — FT.

I.D. X O.D. — FT.

DP STANDS — FT.

DP SINGLES — FT.

KELLY DOWN — FT.

TOTAL — FT.

WT. OF DC IN AIR — LBS.

WT. OF STRING — LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SERIAL NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
BIT CONDITION 1/8" T/B/GAGE			
REAMER CUTTER NO.			
REAMER TYPE			

MUD RECORD

TIME			
WEIGHT			
VIS.-SEC.			
PV/YP			
GELS.			
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.00			TAKE DOWN PREFAB BUILDING.
OVERTIME		4 HRS.		J. Howsh, J. Cochran, J. Magnusson,
WORK ON BUILDING				E. Hennesseiller, P. Tryptow, F. Bengtson

DRILLER J. Howsh

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO. | CODE

BIT — FT.

I.D. X O.D. — FT.

DP STANDS — FT.

DP SINGLES — FT.

KELLY DOWN — FT.

TOTAL — FT.

WT. OF DC IN AIR — LBS.

WT. OF STRING — LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SERIAL NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
BIT CONDITION 1/8" T/B/GAGE			
REAMER CUTTER NO.			
REAMER TYPE			

MUD RECORD

TIME			
WEIGHT			
VIS.-SEC.			
PV/YP			
GELS.			
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1200	1200	12		Tear Down Prefabs
4 HRS Overtime		E. Johnson A. Lundle H. Haydon C. Groff		
		& H. Farrell		

DRILLER E. Johnson

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST H-57

LOCATION: | PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

CONTRACTOR: GUSTAVSON DRILLING | RIG NO.: 11

SIGNATURE OF CONTRACTOR'S TOOL PUSHER:

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
TD-6500				38	MARCH	17	1971

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LAST CASING / TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9 5/8	36# K55	30	1006	1650	1003		

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS				
	HOURS FOR SHELL ACCOUNT				
CONTRACTOR	BOILER				
CONTRACTOR					
CONTRACTOR					
CONTRACTOR					

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY AT END OF TOUR

NO. | CODE

BIT | FT.

I.D. X O.D. | FT.

DP | STANDS | FT.

DP | SINGLES | FT.

KELLY DOWN | FT.

TOTAL | FT.

WT. OF DC IN AIR | LBS.

WT. OF STRING | LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	
GELS.	
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

MORNING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
					Howco Bryan O 5-0 St CONSTRUCTION PLUG THRU 4" DEOP GUNS 10649' WORKED 4 Hrs FELT PLUG @ 1040' OK									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	6.00	6		W. O. C.
6.00	~~6.30~~	1/2		RUN IN TO FEEL PLUG #7 TAG PLUG @ [redacted] 1040
6.30	7.00	1/2		HOOK UP HALIBURTON UNIT FOR PLUG # 8
7.00	8.00	1		RUN CEMENT + LAY DOWN PIPE
		8		

DRILLER

DAY TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
					10 SKS CEMENT IN TOP OF CSG.									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
				FELT PLUG #8 @ 930
8.00	4.00			TEAR OUT B.O.P's CLEAN MUD TANKS
				WELD CAP ON CSG
				DRAIN PUMPS
OVERTIME 4 Hrs.				J. Hurd J. Cochran J. Magnuson E. Hourihiller
TEAR OUT.				P. Ingram, F. Bengtson

DRILLER

EVENING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
					Lay O Top Plug #9 w/10 SXS CMT WOC 3/8" PLATE AND ABANDON 10 PLATE ON WELL HEAD 93' C.S.G. WELL PLUGGED + ABANDONED IKE									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
				RIG RELEASED @ 4 PM 3-17-71 IKE
12.00				Roll pipe & clean up location Flush out #2 Boiler Rig out Floor pre Fabs & Floor Layed Down Derrick & Sling Blocks Dismatling Compounds
4 HRS overtime	12.00	12		E. Johnson A. Lundle H. Haydon C. Greff H. Farrell.

DRILLER E. Johnson

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST H-57

LOCATION: PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Les Crawford

CONTRACTOR: GUSTAVSON DRILLING RIG NO.: 11

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack McLeod

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
T.D. 6500'				37	MARCH	16	1971

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LAST CASING, TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
9 5/8	36# K55	30	1006	1650	1003		

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON	8	8	8	24
70	STANDBY				
	TOTALS	8			
	HOURS FOR SHELL ACCOUNT				
CONTRACTOR EQUIPMENTAL	BOILER #1	8			
	" #2	8			

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY AT END OF TOUR

NO. | CODE

BIT | I.D. X O.D. | FT.

KELLY DOWN | FT.

TOTAL | FT.

WT. OF DC IN AIR | LBS.

WT. OF STRING | LBS.

DP | STANDS | FT.

DP | SINGLES | FT.

BIT RECORD

BIT NO. Plug #6

SIZE SET Plug @ 4650'

MFG. Pumped 20 BBLS FRESH WATER AHEAD

TYPE Mixed 170 SACKS Portland

JETS 1/32" CEMENT W/ 2% Calcium Chloride

SERIAL NO. Displace W/ 36.5 WATER

DEPTH OUT Followed By 10 BBLS Mud.

DEPTH IN Plug IN PLACE @ 10:45 P.M.

TOTAL FTG. MARCH 15-71

TOTAL HRS. RUN

BIT CONDITION 1/8" T/B/GAGE 100% Excess

REAMER CUTTER NO.

REAMER TYPE

MUD RECORD

TIME 4

WEIGHT @ 4650'

VIS.-SEC.

PV/YP

GELS.

W.L.-CC.

PH

% SOLIDS

% SAND MARCH 15-71

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
		ON CEMENT	

MORNING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	1.00	1		TRIP OUT LAY DOWN 18 SINGLES.
1.00	3.00	2		TRIP IN & FEEL FOR Plug, TAG TOP OF Plug @ 4364'. INTERVAL 4364-4650'
3.00	5.00	2		TRIP OUT LAY DOWN 30 SINGLES & RUN IN 837'
5.00	6.00	1		HOOK UP & RUN PLUG # 5
6.30	8.00	2		LAY DOWN PIPE.

DRILLER: A. Lavoie

DRILLING ASSEMBLY AT END OF TOUR

NO. | CODE

BIT | I.D. X O.D. | FT.

KELLY DOWN | FT.

TOTAL | FT.

WT. OF DC IN AIR | LBS.

WT. OF STRING | LBS.

DP | STANDS | FT.

DP | SINGLES | FT.

BIT RECORD

BIT NO. Plug #5

SIZE Hang @ 837'

MFG. Pump 10 BBLS FRESH WATER

TYPE MIX 70 SACKS Portland CEMENT

JETS 1/32" 2% @ Calcium

SERIAL NO. Displace W/ 8.8 BBL WATER.

DEPTH OUT

DEPTH IN

TOTAL FTG.

TOTAL HRS. RUN

BIT CONDITION 1/8" T/B/GAGE

REAMER CUTTER NO.

REAMER TYPE

MUD RECORD

TIME 5

WEIGHT @ 837'

VIS.-SEC. FRESH WATER

PV/YP Portland CEMENT

GELS. @ Chloride

W.L.-CC. 8.8 BBL WATER.

PH

% SOLIDS

% SAND

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

DAY TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
					PLUG # 6 TO SKS	CEMENT			2%	CAL.				
					For Bingston - Hwy Diversion									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	10.00			W. O. C
10.00				RUN IN TO FEEL PLUG # 5. NO PLUG
	11.30			PULL OUT & RUN IN TO RUN PLUG
11.30	12.00			RUN PLUG # 6 & DISPLACE
12.00	3.30			W. O. C.
3.30	4.00			RUN IN TAGED PLUG @ 910'

DRILLER: J. Hamel

DRILLING ASSEMBLY AT END OF TOUR

NO. | CODE

BIT | I.D. X O.D. | FT.

KELLY DOWN | FT.

TOTAL | FT.

WT. OF DC IN AIR | LBS.

WT. OF STRING | LBS.

DP | STANDS | FT.

DP | SINGLES | FT.

BIT RECORD

BIT NO.

SIZE

MFG.

TYPE

JETS 1/32"

SERIAL NO.

DEPTH OUT

DEPTH IN

TOTAL FTG.

TOTAL HRS. RUN

BIT CONDITION 1/8" T/B/GAGE

REAMER CUTTER NO.

REAMER TYPE

MUD RECORD

TIME

WEIGHT

VIS.-SEC.

PV/YP

GELS.

W.L.-CC.

PH

% SOLIDS

% SAND

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

EVENING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	5.00	1		Layed Down pipe
5.00	7.00	2		Rig out Cementing Units & Dismatle manifold
7.00				Picked up 33 Singles & Feel For plug (No plug)
				Hoist & Checked Fuild level Ran into 750' & Hook up Cementing Units
	9.45	2 3/4		
9.45	10.15	1/2		Mix & Displace Plug #7
10.15	12.00	1 3/4		W.O.C

DRILLER: Ted Johnson

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST.

LOCATION: H-57

PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown

CONTRACTOR: GUSTAVSON DRILLING

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack W. Lund

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE (MONTH / DAY / YEAR)
TD-6500'				36	MARCH 15 1971

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4½	16.6	E	2⅞	5¼	4"FH	1	NAT.	8-P-80	8½
6⅝	10.2		2⅞			2	NAT.	8-P-80	8½

LAST CASING TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
9⅝	36# K55	30	1006	16.50	1003		

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT		24		
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK		4		
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON	8	8	8	24
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
CONTRACTOR RENTAL	BOILER #1	8	8	8	
	" #2	8	8	8	

Code 267

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY NO. / CODE AT END OF TOUR

BIT ____ FT.

I.D. x O.D. ____ FT.

64 DP STANDS ____ FT.

2 DP SINGLES 6484.13 FT.

KELLY DOWN ____ FT.

TOTAL ____ FT.

WT. OF DC IN AIR ____ LBS.

WT. OF STRING ____ LBS.

BIT RECORD

BIT NO.	SIZE	MFG.	TYPE	JETS 1/32"	SERIAL NO.	DEPTH OUT	DEPTH IN	TOTAL FTG.	TOTAL HRS. RUN	BIT CONDITION 1/8" T/B/GAGE	REAMER CUTTER NO.	REAMER TYPE

MUD RECORD

TIME	WEIGHT	VIS.-SEC.	PV/YP	GELS.	W.L.-C.C.	PH	% SOLIDS	% SAND

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	10 SKS	SALT MUD	
WTMAT	70 SKS		

DRILLING ASSEMBLY NO. / CODE AT END OF TOUR

BIT ____ FT.

I.D. x O.D. ____ FT.

DP STANDS ____ FT.

DP SINGLES ____ FT.

KELLY DOWN ____ FT.

TOTAL ____ FT.

WT. OF DC IN AIR ____ LBS.

WT. OF STRING ____ LBS.

BIT RECORD

BIT NO.	SIZE	MFG.	TYPE	JETS 1/32"	SERIAL NO.	DEPTH OUT	DEPTH IN	TOTAL FTG.	TOTAL HRS. RUN	BIT CONDITION 1/8" T/B/GAGE	REAMER CUTTER NO.	REAMER TYPE
Plug #2	Set Pipe @	Pumped 20 BBLS	mixed 140 SACKS	Displace W/	Followed By	Plug in Place						

MUD RECORD

TIME	WEIGHT	VIS.-SEC.	PV/YP	W.L.-C.C.	% SOLIDS	% SAND
	5300'	FRESH WATER AHEAD	PORTLAND CEMENT	34 BBLS WATER/	20 BBLS Mud.	9:15 AM.

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

DRILLING ASSEMBLY NO. / CODE AT END OF TOUR

BIT ____ FT.

I.D. x O.D. ____ FT.

DP STANDS ____ FT.

DP SINGLES ____ FT.

KELLY DOWN ____ FT.

TOTAL ____ FT.

WT. OF DC IN AIR ____ LBS.

WT. OF STRING ____ LBS.

BIT RECORD

BIT NO.	SIZE	MFG.	TYPE	JETS 1/32"	SERIAL NO.	DEPTH OUT	DEPTH IN	TOTAL FTG.	TOTAL HRS. RUN	BIT CONDITION 1/8" T/B/GAGE	REAMER CUTTER NO.	REAMER TYPE
Plug #3	Set Pipe @	Pumped 20 BBLS	mixed 150 Bags	Displaced W/ 27 BBLS water /	Followed By	Plug in place @ 5:45 PM						

MUD RECORD

TIME	WEIGHT	VIS.-SEC.	PV/YP	W.L.-C.C.	PH	% SOLIDS	% SAND
	5220'	FRESH water ahead	Portland Cement	27 BBLS water /	24 BBLS mud		

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
SALT GEL	10 BAGS		
Calcium Chloride	6 SACKS		

MORNING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
					BACKED OFF PIPE @ 6010'									
					LEFT 15 JOINTS IN HOLE (465')									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	1.00	1		RUN IN SLUMBERJ. TOOL. SHOT AND PULL OUTSAME.
1.00	2.30	1½		MIX GEL + WT. MAT + PUMP DOWN
2.30	3.00	½		TRIP OUT. MUD FLOWING UP.
3.00	3.30	½		MIX WT MAT.
3.30	5.00	1½		TRIP OUT. RECOVERED 64 STDS & 2 SINGLES.
5.00	8.00	3		TRIP IN.

DRILLER: R. Lund

DAY TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
F. Bengtson - 4 hrs. Overtime					PLUG #2 140 SKS CEMENT									
					5150 - 5300'									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.15			FINISH IN TO RUN PLUG #2
8.15	9.15			RUN PLUG #2 + DISPLACE
9.15	3.00			W. O. C. PULLED OUT TO CSG + LAY DOWN
[redacted]				21 SINGLES
3.00	4.00			RUN IN, TO FEEL FOR PLUG #2
				OVERTIME 3 HRS. J. Jackson - Pick up Catshpines.

DRILLER: J. Howard

EVENING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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% Calcium Chloride									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	5.00	1		Finished in Feel For Plug #2 (No Plug)
5.00	5.45	¾		Hoist To 5220' RE Run Plug.
5.45	10.00	4¼		Mix & Displace Plug #3
10.00	12.00	2		W.O.C & Hoist To Surface pipe.
				Trip IN & Feel For Plug. Plug @ 4972'
				Pull OUT & Hang PBE @ 4650'
				Mix & Displace Plug #3

DRILLER: G. Johnson

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST H-57

LOCATION: H-57 | PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown

CONTRACTOR: GUSTAVSON DRILLING | RIG NO.: 11

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack McGuire

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE: MONTH	DAY	YEAR
TD 6500'				35	MARCH	14	1971

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4½"	14#	E	2¾	5¼	4" F.H.	1	NAT.	8-P-80	8½
6¾"	101#		2¾	5¼	4" F.H.	2	NAT.	8-P-80	8½

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9⅝	36# K55	30	1006	16.50	1003		

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING	2¾			2¾
6	TRIPS				
7	RIG SERVICE	¼			¼
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT	1			1
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING	3	8	8	19
20	CONDITION HOLE	1			1
22	LOST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
BOILER CONNECTION	BOILER #1		8	8	8
	#2		8	8	8

Code 267

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

MORNING TOUR

DRILLING ASSEMBLY NO. | CODE AT END OF TOUR

BIT ____ FT.

		I.D. X	O.D.	FT.
		I.D. X	O.D.	FT.
		I.D. X	O.D.	FT.
		I.D. X	O.D.	FT.
		I.D. X	O.D.	FT.
69	DP	STANDS		FT.
2	DP	SINGLES	64.84.13	FT.
KELLY DOWN				FT.
TOTAL				FT.
WT. OF DC IN AIR				LBS.
WT. OF STRING				LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ /
GELS.	/ /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
SALT MUD	19 SKS		
WT. MT.	36 SKS.		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
Plug #1		6350 - 6500'						400		6"	70			
Mixed &	Displace 140 Sacks Portland (100% Excess)													
Cement.	Displaced w/ 57 BBLS water 10 BBLS Mud.													

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	12.15	¼		RIG SERV.
12.15	3.00	2¾		CIRC. & W/O ORDERS + HOOK UP HALIBURTON UNITS.
3.00	4.00	1		MIX GEL & WT MAT. - SLUG & ANNULUS.
4.00	5.00	1		RUN CEMENT & DISPLACE SAME PLUG NO 1
5.00	8.00	3		STUCK IN HOLE W/O ORDERS.
		8		

DRILLER: A. Lwbairh

DAY TOUR

DRILLING ASSEMBLY NO. | CODE AT END OF TOUR

BIT ____ FT.

		I.D. X	O.D.	FT.
		I.D. X	O.D.	FT.
		I.D. X	O.D.	FT.
		I.D. X	O.D.	FT.
		I.D. X	O.D.	FT.
	DP	STANDS		FT.
	DP	SINGLES		FT.
KELLY DOWN				FT.
TOTAL				FT.
WT. OF DC IN AIR				LBS.
WT. OF STRING				LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ /
GELS.	/ /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
E. Bengtson - 4hrs Overtime														

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	4.00	8		STUCK IN HOLE WAIT ON TOOLS

DRILLER: J. Hovick

EVENING TOUR

DRILLING ASSEMBLY NO. | CODE AT END OF TOUR

BIT ____ FT.

		I.D. X	O.D.	FT.
		I.D. X	O.D.	FT.
		I.D. X	O.D.	FT.
		I.D. X	O.D.	FT.
		I.D. X	O.D.	FT.
	DP	STANDS		FT.
	DP	SINGLES		FT.
KELLY DOWN				FT.
TOTAL				FT.
WT. OF DC IN AIR				LBS.
WT. OF STRING				LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ /
GELS.	/ /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	9.00	5		STUCK W/O STRING SHOT & FREEPOINT TOOLS
9.00				MADE UP STRING SHOT COLLAR LOCATOR RIG UP & RUN SAME MISS RUN & CHECKING OUT TOOLS
	12.00	3		
		8		

DRILLER: E. Johnson

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST. H-57

LOCATION: PROVINCE: N.W.T.

OPERATOR: **Shell Canada Limited**

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown

CONTRACTOR: GUSTAVSON DRILLING

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [illegible]

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
T.D. 6500				34	MARCH	13.	1971

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4"	14#	E	2 1/8	5 1/4	4" F.H.	1	NAT.	8-P-80	8 1/2
6 1/4	101#		2 3/4		5H90	2	NAT.	8-P-80	8 1/2

LAST CASING TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
9 5/8	36# K55	30	1006	16.50	1003		

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS			4	4
7	RIG SERVICE			1/4	1/4
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG	8	3B		15
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS	1			1
	CONDITION MUD			1/2	1/2
22	LOST CIRCULATION				
23	Circ W/orders			3 1/4	3 1/4
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
CONTRACTOR	BOILER #1	8	8	8	
CONTRACTOR	Boiler #2	8	8	8	
CONTRACTOR	16 Hrs Code 257				
CONTRACTOR	8 Hrs 1" 267				

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
		DP STANDS			FT.
		DP SINGLES			FT.
		KELLY DOWN			FT.
		TOTAL			FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ / /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

MORNING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
T.D. 6500														

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	8.00	8.		LOGGING.

DRILLER: A. Lwosiuk

DAY TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
6500					F. BENGTSON 4 HRS OVERTIME MECHANIC.									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	3.00			LOGGING
3.00	4.00			LOAD OUT SHLUMBERGER TOOLS
				RAN DILL 6493-1002 2" & 5" SCALES
				BHC-SGR-C 6495-1002 ✓
				FDC 6495-1002 ✓
				SNP 6490-1002 ✓ J.B.
				SEISMIC REFERENCE SURVEY

DRILLER: J. Howard

EVENING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
6500														

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	4.15	1/4		Serv Rig & Checked BOPs
4.15	6.45	2 1/2		Layed Down 21 D.C.'s & moved D.C.
6.45	7.15	1/2		Mix Gel & W.L. Mat. in pill tank.
7.15	8.45	1 1/2		Run in Open Ended.
8.45	12.00	3 1/4		Circ & W/O Orders

DRILLER: L. Johnson

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
19		DP STANDS			FT.
2		DP SINGLES			6484.13 FT.
		KELLY DOWN			FT.
		TOTAL			FT.
		WT. OF DC IN AIR			— LBS.
		WT. OF STRING			93M LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ / /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GIL	10 BAGS		
WT. MAT.	8 BAGS.		

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST. H57.

LOCATION: PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown

CONTRACTOR: GUSTAVSON Drilling (1964) Ltd.

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [illegible]

RIG NO.: 11.

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
6494.	6500.	6.	11/4	33.	Mar.	12	71.

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD
4½	16.6	E	2 11/16.	5½.	4½ FH.
6¼	108.5		2 3/8.	5 H90.	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1#	NOV.	8P80	8½.
2#		8P80.	8½.

LAST CASING TUBING OR LINER: SIZE 9 5/8 | WT. AND GR. 36# K55 | NO. OF JOINTS 30. | FEET 1006 | KB. TO CSG. HEAD 16.50. | SET AT 1003 | CEMENT USED (SACKS) | REMARKS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	11¼			11¼
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS	2.			2.
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG	4½.	8	8	20½
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD	1¼.			
22	LOST CIRCULATION				
23	[illegible]				
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24

BOILER # 1: 8 8 8
BOILER # 2: 8 8 8

Code 257

HOLE CONDITION

1. HOLE DRAG (1000#)
2. TORQUE ON BOTTOM (DP TURNS)
3. FILL ON BOTTOM (FEET)

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT	I.D.	O.D.	FT.
1	BS		2¼	6¾	3.96 FT.
1	DM		3¼	6¾	14.75 FT.
1	CO		2⅞	6¾	2.10 FT.
			I.D.	O.D.	FT.
			I.D.	O.D.	FT.
21	DC		2¼	6¾	650.98 FT.
62	DP	STANDS			FT.
1	DP	SINGLES			5797.63 FT.
		KELLY DOWN			31. FT.
		TOTAL			6500. FT.
		WT. OF DC IN AIR			65M LBS.
		WT. OF STRING			135M. LBS.

BIT RECORD

BIT NO.	10RR.
SIZE	8¾
MFG.	HW.
TYPE	XDU
JETS 1/32"	15 15 15
SERIAL NO.	21428
DEPTH OUT	6500.
DEPTH IN	6494
TOTAL FTG.	6.
TOTAL HRS. RUN	11/4
BIT CONDITION 1/8" T/B/GAGE	3 4 1
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ / /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
SALT MUD 7 3/4 S.			
WATER LOST IN FORMATION 100BBL			
WT. MAT. 30 SXS			

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
6494.	6500.	6.	6-			50.	30.	1000.		6½	120.	6½		

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1200	1215.	1/4		Drill 8¾ Hole
1215.	130	1 1/4		Rig To Log. R.B.O.P. & B.O.Ps.
130	330.	2		Hoist.
330.	800	4½.		Rig To Log & Log.

DRILLER: [signature]

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT	I.D.	O.D.	FT.
1	BS		2¼	6¾	3.96 FT.
1	DM		3¼	6¾	14.75 FT.
1	CO		2⅞	6¾	2.10 FT.
			I.D.	O.D.	FT.
			I.D.	O.D.	FT.
21	DC		2¼	6¾	650.98 FT.
62	DP	STANDS			FT.
1	DP	SINGLES			5797.63 FT.
		KELLY DOWN			31.00 FT.
		TOTAL TD			6500.00 FT.
		WT. OF DC IN AIR			65M LBS.
		WT. OF STRING			135M. LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ / /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
TD	6500.													

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	4.00	8		LOGGING.

DRILLER: A. Lavoie

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT	I.D.	O.D.	FT.
		DP STANDS			FT.
		DP SINGLES			FT.
		KELLY DOWN			FT.
		TOTAL			FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ / /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
TD														

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	12.00			LOGGING

DRILLER: L. Hamel

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER. EAST.

LOCATION: H 57. PROVINCE: NWT.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown

CONTRACTOR: GUSTAVSON. DRLG. RIG NO.: 11

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M. Lowndes

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
6223				32.	Mar.	11	71

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
			2 7/8.	5 1/4.	4 1/2 FH	1	NSCO.	BP80.	8 1/2
			2 3/8.		5 H 90	2		BP80.	8 1/2

LAST CASING TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
9 5/8.	36# K55	30	1006	16.25	1003.		

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	7 3/4	4 1/2		12 1/4
3	REAMING			1/2	1/2
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS		2	3 3/4	5 3/4
7	RIG SERVICE	1/4	1/4		1/2
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY		1/4		1/4
11	WIRE LINE LOG			2 1/4	2 1/4
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD		1	1 1/2	2 1/2
22	LOST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
50	ABANDON				
70	STANDBY				
	TOTALS	8.	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
CONTRACTOR	BOILER 1st	8	8	8	
	2nd	8	8	8	

Code 232

HOLE CONDITION

1	HOOK DRAG (1000#)
2	TORQUE ON BOTTOM (DP TURNS)
3	FILL ON BOTTOM (FEET)

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.		FT.
		BIT				
1	BS	2 3/8		6 3/4		3.96 FT.
1	SS	2 3/8		6 3/4		8.50 FT.
1	DM	3 1/2		6 3/4		14.75 FT.
1	SI	2 3/8		6 3/4		4.10 FT.
1	CO	2 3/8		6 3/4		2.10 FT.
			I.D.	O.D.	X	FT.
21	DC	2 3/8		6 3/4		650.98 FT.
61.	DP	STANDS				5677.29 FT.
	DP	SINGLES				FT.
	KELLY DOWN					22. FT.
	TOTAL					6383 FT.
	WT. OF DC IN AIR					65M LBS.
	WT. OF STRING					134M LBS.

BIT RECORD

BIT NO.	9
SIZE	8 3/4
MFG.	HW
TYPE	XDSR
JETS 1/32"	15 15 14
SERIAL NO.	21561
DEPTH OUT	
DEPTH IN	6054
TOTAL FTG.	329
TOTAL HRS. RUN	17 1/4
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	12 00	4 00	8 00
WEIGHT	8.7	8.7	8.7
VIS.-SEC.	28	26	25
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	32 SKS.		
WATER LOST IN FORMATION 580 BBLS.			

MORNING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
6223	6383	7 3/4	160.		WATER LOST IN FORMATION 580 BBLS.	50	45/50	1000.		6".	120.	6".		

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12 00.	1 00.	1		DRILL 8 3/4 HOLE.
1 00.	1 15	1 1/4		RIG SER. & BOPS.
1 15.	8 00	6 3/4		DRILL. 8 3/4.

DRILLER: [illegible]

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.		FT.
		BIT				
1	BS	2 3/8		6 3/4		3.96 FT.
1	SS	2 3/8		6 3/4		8.50 FT.
1	DM	3 1/2		6 3/4		14.75 FT.
1	SI	2 3/8		6 3/4		4.10 FT.
1	CO	2 3/8		6 3/4		2.10 FT.
			I.D.	O.D.	X	FT.
21	DC	2 3/8		6 3/4		650.98 FT.
62	DP	STANDS				5770.87 FT.
	DP	SINGLES				FT.
	KELLY DOWN					43.00 FT.
	TOTAL					6498.26 FT.
	WT. OF DC IN AIR					65M LBS.
	WT. OF STRING					135M LBS.

BIT RECORD

BIT NO.	9
SIZE	8 3/4
MFG.	H.W.
TYPE	XDSR
JETS 1/32"	15 15 14
SERIAL NO.	21556
DEPTH OUT	6500
DEPTH IN	6054
TOTAL FTG.	446
TOTAL HRS. RUN	21 3/4
BIT CONDITION 1/8" T/B/GAGE	7 4 0
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	8 00	12.30	
WEIGHT	8.7	8.7	
VIS.-SEC.	28	28	
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	30 SKS		
WT. MAT	15 SKS		

DAY TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
6383	6500	4 1/2	117		LOST TO FORMATION 300 BBLS.	55	50	1000		6"				

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
6435	1 3/4°	N 68° W						

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.30	1/2		DIRECTIONAL SURVEY. RIG SERV. & BOPS.
8.30	1.00	4 1/2		DRLG
1.00	2.00	1		CIRC. LAST SAMPLE & MIX GEL & WT MAT.
2.00	4.00	2		TRIP OUT SLOW.
		8		

9 hr. BRussell (MECH)

DRILLER: A. Lowndes

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.		FT.
		BIT				
1	BS	2 3/8		6 3/4		3.96 FT.
1	DM	3 1/2		6 3/4		14.75 FT.
1	CO	2 3/8		6 3/4		[illegible]
			I.D.	O.D.	X	FT.
			I.D.	O.D.	X	FT.
			I.D.	O.D.	X	FT.
21	DC	2 3/8		6 3/4		650.98 FT.
62	DP	STANDS				5797.63 FT.
1	DP	SINGLES				FT.
	KELLY DOWN					25.00
6	TOTAL					6494.42
	WT. OF DC IN AIR					65 M LBS.
	WT. OF STRING					134 M LBS.

BIT RECORD

BIT NO.	9 RR
SIZE	8 3/4
MFG.	H-W
TYPE	XDU
JETS 1/32"	15 15 15
SERIAL NO.	21428
DEPTH OUT	
DEPTH IN	6494
TOTAL FTG.	CLEAN OUT
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	RUN
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VIS.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
SALT MUD - 32 bbl			
100 BBLS LOST TO FORMATION WITH 20 SKS.			

EVENING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
6500										6			6	

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.50	5.30	1 1/2		MIX HEAVY MUD PILL & PUMP DOWN ANULUS
5.30	7.00	1 1/2		FINISH MEASURE OUT
7.00	9.15	2 1/4		LOGGING COULD NOT GET TO BOTTOM
9.15	11.30	2 1/4		RUN IN LAY DOWN S.S. & STAB.
11.30	12.00	1/2	CLEAN TOOL. & RIG	TALLY 6498.26 REAM 30' TO MEASURE TALLY 6494.46 BTM.
		8		CORR MADE 4'

DRILLER: J. Hourigh

EVENING TOUR

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST.

LOCATION: H 57. PROVINCE: N W T.

OPERATOR: Shell Canada Limited

CONTRACTOR: GUSTAVSON. RIG NO.: 11.

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M. Sowa

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
5984	6223	239	17	31.	MAR.	10	71

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4"	14	E	2 7/8		4 1/2 FH.	1	NOV	8P80	8 1/2
4"	14	E	2 7/8.		5 H90.	2.		8P80.	8 1/2

LAST CASING TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
9 5/8	36# K55	30	1006	16.25	1003.		

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	7 1/2	13/4	7 3/4	17
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS		5		5
7	RIG SERVICE	1/4			1/4
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY	1/2			1/2
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.			1/4	1/4
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS		1/2		1/2
21	CONDITION MUD				
22	LOST CIRCULATION		3/4		3/4
23					
24					
COMPLETION 40	PERFORATE				
41	TUBING TRIPS				
42	TREATING				
43	SWABBING				
44	TESTING				
45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
EQUIP. CONTRACTOR RENTAL	BOILER #1	8	8	8	
	#2	8	8	8	
	Cook	232			

HOLE CONDITION

1	HOLE DRAG (1000#)
2	TORQUE ON BOTTOM (DP TURNS)
3	FILL ON BOTTOM (FEET)

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			
1	BS	2 7/8		6 3/4	3.96
1	DM	2 7/8		6 3/4	14.75
1	ST.	2 7/8		6 3/4	4.10
1	SS	2 7/8		6 3/4	2.10
			X		
			X		
21	DC	2 7/8		6 3/4	650.98
57	DP	STANDS			
1	DP	SINGLES			33.52 FT.
		KELLY DOWN			43. FT.
		TOTAL			1054.
		WT. OF DC IN AIR			65M LBS.
		WT. OF STRING			228M LBS.

BIT RECORD

BIT NO.	8
SIZE	6 3/4
MFG.	HW
TYPE	XSSC
JETS 1/32"	15 15 14
SERIAL NO.	21556
DEPTH OUT	6054
DEPTH IN	5543.
TOTAL FTG.	511
TOTAL HRS. RUN	30 1/4
BIT CONDITION 1/8" T/B/GAGE	8 6 0
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	12 noon	4 pm	8 pm
WEIGHT	8.7	8.7	8.7
VIS.-SEC.	38	38	38
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	24 SKS.		
WATER LOST IN FORMATION 460 BBLS			

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
5984	6054	20.	7 1/2		WATER LOST IN FORMATION 460.	40/120	35/50	1000		6.	120	6.		

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
6010	2 1/4°	N 66 W						

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12 00	4 00	4		DRILL 8 3/4" HOLE
4 00	4 30.	1/2.		SURVEY. RIG SER. & BOP.
4 30.	8 00.	3 1/2.		DRILL

DRILLER

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			
1	BS	2 7/8		6 3/4	3.96
1	SS		I.D.	6 3/4	8.50
1	DM	2 7/8		6 3/4	14.75
1	ST.	2 7/8		6 3/4	4.10
1	SS	2 7/8		6 3/4	2.10
			X		
			X		
21	DC	2 7/8		6 3/4	650.98
57	DP	STANDS			
2	DP	SINGLES			36.39 FT.
		KELLY DOWN			25.00 FT.
		TOTAL			6075.78 FT.
		WT. OF DC IN AIR			65M LBS.
		WT. OF STRING			130M LBS.

BIT RECORD

BIT NO.	9
SIZE	8 3/4
MFG.	H.W.
TYPE	X55R
JETS 1/32"	15 15 14
SERIAL NO.	21556
DEPTH OUT	
DEPTH IN	6054
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	1 1 5
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VIS.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.	/		
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	19 SKS		
LOJ-MAT	15 SKS		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
6054	6075	1 3/4	21		WATER LOST TO FORMATION 150 BBLS	55	40	1000		6"				

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	9.15	1 1/4		MIX MUD RIG SERV. V HYDRIL & PIPE RAMS.
9.15	11.15	2		TRIP OUT.
11.15	12.15	1		PICK UP SHOCK SUB & CHANGE SI. BLADES.
12.15	2.15	2.		TRIP IN. V BLIND RAMS.
2.15	4.00	1 3/4		DRLG.
		8		CHANGE 8 3/4" GRANIT STABILIZER BLADES 1 SET.

B. Russell — Pusher

DRILLER

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			
1	BS	2 7/8		6 3/4	3.96
1	SS	2		6 3/4	8.50
1	DM	2 7/8		6 3/4	14.75
1	ST.	2 7/8		6 3/4	4.10
1	SS	2 7/8		6 3/4	2.10
			X		
			X		
21	DC	2 7/8		6 3/4	650.98
59	DP	STANDS			521.34
1	DP	SINGLES			FT.
		KELLY DOWN			18.00
		TOTAL			6223.73
		WT. OF DC IN AIR			65M LBS.
		WT. OF STRING			132M LBS.

BIT RECORD

BIT NO.	9
SIZE	8 3/4
MFG.	H.W.
TYPE	X55R
JETS 1/32"	15 15 14
SERIAL NO.	21556
DEPTH OUT	
DEPTH IN	6054
TOTAL FTG.	169
TOTAL HRS. RUN	9 1/2
BIT CONDITION 1/8" T/B/GAGE	1 1 2
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	4.00	8.00	
WEIGHT	8.6	8.6	
VIS.-SEC.	28	28	
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	12 SKS.		
Salinity	30,000 PPM.		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
6075	6223	7 1/4	148			50	50	1050		6	120	6		
					LOST 300 BBLS WATER TO FORMATION									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	4.45	3/4	-	DRILL
4.45	5.00	1/4		CHECK B.O.P. SER. RIG.
5.00	12.00	7		DRILL
				HELD BLOW OUT DRILL

DRILLER J. Komish

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST

LOCATION: H57.

PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D. Brown

CONTRACTOR: GUSTAVSON DRLG.

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M. Sonnito

RIG NO.: 11.

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
5560'	5984'	424'	212	30.	Mar.	9	71

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
			2 7/8		4½ IF	1	NSCO.	8 P80	8½
			2 7/8		5½ H90	2		8 P80	8½

LAST CASING TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)
9 5/8	36# K55	30.	4006'	1625.	4003	

REMARKS:

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	7¾	6½	7¾	22
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE	¼			¼
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY		½		½
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.			¼	¼
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION				
23	CIRC SAMPLE		1		1
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
	BOILER ①	8	8	8	
	BOILER ②	8	8	8	

Code 232

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE-ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT	I.D.	O.D.	FT.
1		BS	2 7/8	6¾	3.96
1		DM	3 1/8	6¾	14.75
1		ST	2 7/8	6¾	4.10
1		CO	2 7/8	6¾	2.10
			I.D.	O.D.	
		X			
			I.D.	O.D.	
		X			
1	DC		I.D. 2	O.D. 6¾	650.98
53	DP	STANDS			FT.
2	DP	SINGLES			499.65 FT.
		KELLY DOWN			33. FT.
		TOTAL			5698. FT.
		WT. OF DC IN AIR			65M LBS.
		WT. OF STRING			122M LBS.

BIT RECORD

BIT NO.	8		
SIZE	8¾		
MFG.	HW		
TYPE	XSSR		
JETS 1/32"	15 15 14		
SERIAL NO.	21843		
DEPTH OUT			
DEPTH IN	5543		
TOTAL FTG.	153		
TOTAL HRS. RUN	9.		
BIT CONDITION 1/8" T/B/GAGE	1N.		
REAMER CUTTER NO.			
REAMER TYPE			

MUD RECORD

TIME	2:00	4:00	6:00
WEIGHT	8.6	8.6	8.6
VIS.-SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	43 SKS.		

Salinity 20,000 PPM.

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
5560	5700	7¾	140		WATER LOST IN FORMATION 595 BBLS	55	50	1000		6"	120			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12:00	1:15	1¼		DRILL 8¾ HOLE
1:15	1:30	¼		RIG SER. & BOPS.
1:30	8:00	6½		DRILL

DRILLER

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT	I.D.	O.D.	FT.
1		BS	2 7/8	6¾	3.96
1		DM	3 1/8	6¾	14.75
1		ST	2 7/8	6¾	4.10
1		CO	2 7/8	6¾	2.10
			I.D.	O.D.	
		X			
			I.D.	O.D.	
		X			
21	DC		2 7/8	6¾	650.98
55	DP	STANDS			5112.58 FT.
	DP	SINGLES			FT.
		KELLY DOWN			43.00 FT.
		TOTAL			5836.44 FT.
		WT. OF DC IN AIR			65M LBS.
		WT. OF STRING			124M LBS.

BIT RECORD

BIT NO.	8		
SIZE	8¾		
MFG.	H.W.		
TYPE	XSSR		
JETS 1/32"	15 15 14		
SERIAL NO.	21843		
DEPTH OUT			
DEPTH IN	5543		
TOTAL FTG.	293		
TOTAL HRS. RUN	15¼		
BIT CONDITION 1/8" T/B/GAGE	1N.		
REAMER CUTTER NO.			
REAMER TYPE			

MUD RECORD

TIME	8:00	12:30	
WEIGHT	8.6	8.6	
VIS.-SEC.	28	28	
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	10 SKS		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
5700	5836	6½	136		WATER LOST TO FORMATION (320 BBLS)	55	50	1000		6"	120			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
5708	¾°	N67W						

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.30	½		DRLG.
8.30	9.00	½		DIRECTIONAL SURVEY RIG SER. & B.OPS.
9.00	2.00	5		DRLG.
2.00	3.00	1		CIRC. SAMPLE @ 5810
3.00	4.00	1		DRLG
		12h.		B Russell (Also on Bucket for Roberts Rig #46) (3 days Slope)

DRILLER: A. Swasuk

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT	I.D.	O.D.	FT.
1		BS	2 7/8	6¾	3.96
1		DM	3 1/8	6¾	14.75
1		ST	2 7/8	6¾	4.10
1		CO	2 7/8	6¾	2.10
			I.D.	O.D.	
		X			
			I.D.	O.D.	
		X			
21	DC		I.D.	O.D.	650.98
56	DP	STANDS			5273.15 FT.
1	DP	SINGLES			FT.
		KELLY DOWN			38.08
		TOTAL			5988.00
		WT. OF DC IN AIR			65 LBS.
		WT. OF STRING			116M LBS.

BIT RECORD

BIT NO.	8		
SIZE	8¾		
MFG.	H.W.		
TYPE	XSSR		
JETS 1/32"	15 15 14		
SERIAL NO.	21843		
DEPTH OUT			
DEPTH IN	5543		
TOTAL FTG.	441		
TOTAL HRS. RUN	22¾		
BIT CONDITION 1/8" T/B/GAGE	1N.		
REAMER CUTTER NO.			
REAMER TYPE			

MUD RECORD

TIME	4.00	6.00	11.00
WEIGHT	8.6	8.6	8.6
VIS.-SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	12 SRS.		

Salinity 20,000 PPM.

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
5936	5984	7¾	48			40-50	30-45	1000		6	120	6		

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	5.00	1		DRILL
5.00	5.15	¼		CHECK B.O.P. SER. RIG.
5.15	12.00	6¾		DRILL
				WATER LOST TO FORMATION 400 BBLS

DRILLER: J. Hood

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST.

LOCATION: H 57.

PROVINCE:

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D. Brocen

CONTRACTOR: GUSTAVSON DRLG.

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M. Sweete

RIG NO.: 11.

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
5250'	5560'	310	17	29	Mar	8	71

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
3½	13.3	E	2 7/8	4½ FH.		1	NSCO.	8P80	8½
3½	13.3	E	2 7/8	5 H90.		2.		8P80.	8½

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9 5/8	36# K55	30.	1006.	1625	1003		

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	7 3/4	7 1/2	1 3/4	
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS			5 1/4	5 1/4
7	RIG SERVICE	1/4			1/4
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE			1	1
10	DEVIATION SURVEY		1/4		1/4
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
50	ABANDON				
70	STANDBY				
	TOTALS	8.	8.	8.	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
BOILER-HOUSE CODE	BOILER # 1	8	8	8	
	BOILER # 2	8	8	8	

Code 232

HOLE CONDITION

1	HOLE DRAG (1000#)
2	TORQUE ON BOTTOM (DP TURNS)
3	FILL ON BOTTOM (FEET)

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.		FT.
		BIT				
1	BS		2 7/8	6 3/4		.25 FT.
1	DM		3 1/8	6 3/4		14.75 FT.
1	SJ		2 7/8	6 3/4		4.10 FT.
1	CO		2 7/8	6 3/4		2.10 FT.
			I.D.	O.D.	X	FT.
			I.D.	O.D.	X	FT.
21	DC		2 7/8	6 3/4		650.98 FT.
52	DP	STANDS				FT.
	DP	SINGLES				48360.5 FT.
		KELLY DOWN				29.00 FT.
		TOTAL				5541.94 FT.
		WT. OF DC IN AIR				65M LBS.
		WT. OF STRING				120M LBS.

BIT RECORD

BIT NO.	2RR.
SIZE	8 3/4
MFG.	HW
TYPE	X55R
JETS 1/32"	3-15
SERIAL NO.	22317
DEPTH OUT	
DEPTH IN	4782
TOTAL FTG.	760
TOTAL HRS. RUN	23½
BIT CONDITION 1/8" T/B/GAGE	

Less 30' for Reamer Cutter No. Core #5

MUD RECORD

TIME	200	400	1200
WEIGHT	8.6	8.6	8.6
VIS.-SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.	/	/	/
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Gel	40 SKS.		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
5250	5402	15.2	7 3/4		WATER LOST IN. FORMATION. 595 BBLS	55	50	1000		6"	120			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1200.	100.	1		DRILL 8¾ HOLE.
100	115.	¼		R.I.G SER & BOP.
115	800.	6¾		DRILL.

DRILLER

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.		FT.
		BIT				
1	BS		2 7/8	6 3/4		3.96 FT.
1	DM		3 1/8	6 3/4		14.75 FT.
1	SJ		2 7/8	6 3/4		4.10 FT.
1	CO		2 7/8	6 3/4		2.10 FT.
			I.D.	O.D.	X	FT.
			I.D.	O.D.	X	FT.
21	DC		2 7/8	6 3/4		650.98 FT.
52	DP	STANDS				FT.
	DP	SINGLES				483605 FT.
		KELLY DOWN				29.00 FT.
		TOTAL				5541.94 FT.
		WT. OF DC IN AIR				65M LBS.
		WT. OF STRING				120M LBS.

BIT RECORD

BIT NO.	RR 2	
SIZE	8 3/4	
MFG.	H.W.	
TYPE	X55R	
JETS 1/32"	3-15	
SERIAL NO.	22317	
DEPTH OUT		
DEPTH IN	4782	
TOTAL FTG.	758	
TOTAL HRS. RUN	24	
BIT CONDITION 1/8" T/B/GAGE	1 N	

Less 30' for Reamer Cutter No. Core #5

MUD RECORD

TIME	830	1200	
WEIGHT	8.6	8.6	
VIS.-SEC.	28	28	
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	25 SKS		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D ~~RM-R~~ ~~CORE-C~~	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
5402	5540	1½	138		WATER LOST TO FORMATION (350. BBLS)	55	50	1050		6"	120			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
5488	1°	N27W						

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.30	½		DRLG
8.30	9.00	½		DIRECTIONAL SURVEY. RIG SERV. CHECK BOPS
9.00	4.00	7		DRLG
		8		

10 hrs. B-Russell (mech) (4. welding on sleigh)

DRILLER A. Brocen

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.		FT.
		BIT				
1	BS		2 7/8	6 3/4		3.96 FT.
1	DM		3 1/8	6 3/4		14.75 FT.
1	SJ		2 7/8	6 3/4		4.10 FT.
1	CO		2 7/8	6 3/4		2.10 FT.
			I.D.	O.D.	X	FT.
			I.D.	O.D.	X	FT.
12	DC		2 7/8	6 3/4		650.98 FT.
52	DP	STANDS				4866.79 FT.
1	DP	SINGLES				FT.
		KELLY DOWN				18.00 FT.
		TOTAL				5560.68 FT.
		WT. OF DC IN AIR				65M LBS.
		WT. OF STRING				120 LBS.

BIT RECORD

BIT NO.	RR 2	8
SIZE	8 3/4	8 3/4
MFG.	H.W.	H.W.
TYPE	X55R	X55R
JETS 1/32"	15 15 15 15 14	
SERIAL NO.	22317	JR43
DEPTH OUT	5543	
DEPTH IN	4782	5543
TOTAL FTG.	761	17
TOTAL HRS. RUN	24½	1½
BIT CONDITION 1/8" T/B/GAGE	7 4 0	

~~Reamer~~ 30' Rathole. Reamer Cutter No. 4847 - 4877. Reamer Type 1¾ HRS

MUD RECORD

TIME	400		
WEIGHT	8.6		
VIS.-SEC.	28		
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
5540	5560	1¾	20		WATER LOST TO FORMATION (50 BBL'S)	50	50	1000		6	120	6		

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	4.30	½		DRILL
4.30	7.30	3		PULL OUT SLOW. HOLE SWABBING
7.30	8.15	¾		RUN IN O.CS & 10 STDS
8.15	9.15	1		CLOSE HYDRIL SLIP & CUT DRLG LINE
9.15	10.45	1½		RUN IN
10.45	12.00	1¼		DRILL

DRILLER J. Howard

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST.

LOCATION: H57. PROVINCE: NWT.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: A. Brown

CONTRACTOR: GAUSTAUSON DRLG. RIG NO.: 11.

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M. Smith

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
4877	5250	373	103	28	Mar.	7	71

DP./ DC. SIZE	WT./ FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.5	E	2 7/8.	5 1/4.	4 1/2 FH.	I	NSCO	8 P80.	8 1/2
6 1/2"	70	S	2 3/8.		5 H90.	II	NSCO.	8 P80.	8 1/2

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9 5/8	36# K55	30.	1006.	16.25	1003.		

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN	5 1/2			
2	DRILLING ACTUAL		7 1/2	7 1/2	20 1/4
3	REAMING	1 3/4			1 3/4
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS	1 1/2			1 1/2
7	RIG SERVICE	1/4	1/4		1/2
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY		1/4	1/2	3/4
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
CONTRACTOR EQUIPMENT	BOILER #1	8	8	8	
	#2	8	8	8	
	Code 232				

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (10 TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
1		BT.	2 1/4	6 3/4	390. FT.
1		DM	3 1/8	6 3/4	44.75 FT.
1		STB	2 7/8	6 3/4	4.10 FT.
1		STB	2 7/8	6 3/4	2.10 FT.
			I.D.	O.D.	
		X			FT.
			I.D.	O.D.	
		X			FT.
21		DC	2 1/8	X	650.98 FT.
46		DP	STANDS		4280.93 FT.
		DP	SINGLES		FT.
		KELLY DOWN			24 FT.
		TOTAL			4980. FT.
		WT. OF DC IN AIR			65M LBS.
		WT. OF STRING			112M LBS.

BIT RECORD

BIT NO.	RR 7
SIZE	8 3/4
MFG.	HW
TYPE	X55R
JETS 1/32"	3-15
SERIAL NO.	22317
DEPTH OUT	
DEPTH IN	4782
TOTAL FTG.	198.
TOTAL HRS. RUN	10 3/4
BIT CONDITION 1/ 8" T/B/GAGE	
REAMED FROM 4847 TO 4877	
REAMER CUTTER NO.	HAS. 13/4
REAMER TYPE	

MUD RECORD

TIME	2.00	4.00	6.00
WEIGHT	8.6	8.6	8.6
VIS.-SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Gel	35 SKS		
	30'.		

MORNING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
4877	4980	5 1/2	103.		WATER LOST F. IN. FORMATION BSE. 5907	55	50.	900		6"	110			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	12.15	1/4.		RIG SER. & BOPS
12.15.	12.45	1/2.		RUN IN W/ BIT.
12.45	2.30	1 3/4		BREAK CIRC. REAM FROM 4847 TO 4877
2.30	8.00	5 1/2.		DRILL 8 3/4. HOLE.

DRILLER: [illegible]

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
1		BS	2 7/8	6 3/4	3.96 FT.
1		DM	3 1/8	6 3/4	14.75 FT.
1		STB	2 7/8	6 3/4	4.10 FT.
1		STB	2 7/8	6 3/4	2.10 FT.
			I.D.	O.D.	
		X			FT.
			I.D.	O.D.	
		X			FT.
21		DC	2 1/8	X	650.98 FT.
47		DP	STANDS		4403.80 FT.
		DP	SINGLES		
		KELLY DOWN			43.00 FT.
		TOTAL			5122.53 FT.
		WT. OF DC IN AIR			65M LBS.
		WT. OF STRING			114M LBS.

BIT RECORD

BIT NO.	RR 7
SIZE	8 3/4
MFG.	H.W.
TYPE	X55R
JETS 1/32"	3-15
SERIAL NO.	22317
DEPTH OUT	
DEPTH IN	4782
TOTAL FTG.	340
TOTAL HRS. RUN	18 3/4
BIT CONDITION 1/ 8" T/B/GAGE	IN
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	8.00		
WEIGHT	8.6		
VIS.-SEC.	28		
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Gel	30 SKS		

DAY TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
4980	5122	7 1/2	142		WATER LOST TO FORMATION (250 BBLS)	55	50	1100		6"	120			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
4968	1 1/2°	S.32W						

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.30	1/2		DRLG.
8.30	9.00	1/2		DIRECTIONAL SURVEY. & BOPS. + RIG SERV.
9.00	4.00	7		DRLG.
		8		
		12		B. RUSSELL (MECH) WELDING SERVICE.

DRILLER: A. Iwasiuk

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
1		BS	2 7/8	6 3/4	3.96 FT.
1		DM	3 1/8	6 3/4	14.75 FT.
1		STB	2 7/8	6 3/4	4.10 FT.
1		STB	2 7/8	6 3/4	2.10 FT.
			I.D.	O.D.	
		X			FT.
			I.D.	O.D.	
		X			FT.
21		DC	2 1/8	X 6 3/4	650.98 FT.
49		DP	STANDS		4557.12 FT.
		DP	SINGLES		
		KELLY DOWN			18.00 FT.
		TOTAL			5355.31 FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			116M LBS.

BIT RECORD

BIT NO.	7
SIZE	8 3/4
MFG.	H.W.
TYPE	X55R
JETS 1/32"	15/15/15
SERIAL NO.	22314
DEPTH OUT	
DEPTH IN	4782
TOTAL FTG.	468
TOTAL HRS. RUN	25 3/4
BIT CONDITION 1/ 8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	4.00	8.00	
WEIGHT	8.6	8.6	
VIS.-SEC.	28	28	
PV/YP	/	/	/
GELS	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Gel -	35 sks.		

EVENING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
5122	5250	7 1/2	128		WATER LOST TO FORMATION (300 BBLS)	50	50	1000		6	120	6		

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
5135	1°	S.66W						

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	5.30	1 1/2		DRILL
5.30	6.00	1/2		SURVEY RIG SER. CHECK. B.O.P.
6.00	12.00	6		DRILL

DRILLER: J. Hamil

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST

LOCATION: 1757. PROVINCE: NWT.

OPERATOR: Shell Canada Limited — SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown

CONTRACTOR: GAUSTAUSON DRLG. — SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M. Lowinski — RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE: MONTH	DAY	YEAR
4782.	4877.	95.		27.	Mar.	6	71

DP / DC SIZE	WT. / FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4½	16.6	E.	2.7/8.	5 1/4.	4½ FH.	1	NOBO.	8P80.	8½
6¾	108.		2 7/8.	5 H90.		2.	NSCO.	8P80	8½

LAST CASING TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
9⅝	36# K55	30.	1006'	16.25	1063'		

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	5			5
3	REAMING				
4	CORING			3	3
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS	2¼	5	3¾	11
7	RIG SERVICE	1¼	¼		1½
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS	1½	1¼		2¾
21	CONDITION MUD	1¼			1¼
22	LOST CIRCULATION				
23	Work Junk Sub	½			½
24		½			
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
NON-PRODUCTIVE CODE	BOILER #1	8	8	8	
	BOILER #2	8	8	8	
	16 Hrs Code 257				
	8 Hrs " 232				

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY NO. / CODE AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
1	BS	BIT	2⅜	6¾	3.96 FT.
1	DP		3½	6¾	1475. FT.
1	ST		2⅜	6¾	4.10 FT.
1	CR		2¾	6¾	2.10 FT.
					FT.
1	JS		2¾	6¾	2.66 FT.
61	DP	STANDS			6509.8 FT.
44	DP	STANDS			FT.
1	DP	SINGLES			45.26 FT.
		KELLY DOWN			40. FT.
		TOTAL			3894 FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	1.
SIZE	8¾
MFG.	HW
TYPE	XSSR
JETS 1/32"	3-15
SERIAL NO.	22317
DEPTH OUT	
DEPTH IN	4782.
TOTAL FTG.	62.
TOTAL HRS. RUN	5.
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	400	600
WEIGHT	8.6	8.6
VIS.-SEC.	28	28
PV/YP		
GELS.		
W.L.-C.C.		
PH		
% SOLIDS		
% SAND		

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	20 SAXS		

590 BBLS. LOST TO FORMATION

MORNING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
4782	4844	62	5		WATER LOST IN. FORMATION. 590 BBLS.	60.	25-30	900		6½"	110	6½"		

DEVIATION RECORD

DEPTH	DEVIATION °	DIRECTION	DEPTH	DEVIATION °	DIRECTION	DEPTH	DEVIATION °	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1200	1245	¾	6	FINISH OUT.
1245	115	½	23	PICK UP JUNK SUB CHANGE BIT RIG SERVICE
115	245	1½	6	RUN IN W/BIT #1. BREAK CIRC
245	300	¼	24	WORK JUNK SUB
300	800	5	5	DRILL.

DRILLER: [illegible]

DAYTOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
4844	4847	¼	3											

DEVIATION RECORD

DEPTH	DEVIATION °	DIRECTION	DEPTH	DEVIATION °	DIRECTION	DEPTH	DEVIATION °	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.15	¼		RIG SERV. V HYDRIL + PIPE RAMS.
8.15	9.30	1¼		MIX GEL & WT. MAT.
9.30	12.00	2½		TRIP OUT SLOW.
12.00	1.30	1½		LAY DOWN MONEL D.C. + 1 S.I. PICK UP CORE BARREL. JOHNSON JARS + SHOCK SUB.
1.30	4.00	2½		TRIP IN WITH CORE BARREL + CIRC. SAME
		9		B. RUSSELL (7 HRS WELDING ROBERTS BUCKET)

DRILLER: M. Lowinski

BIT RECORD

BIT NO.	1
SIZE	8¾ 6 5/32
MFG.	H.W. CHRIS.
TYPE	XSSR
JETS 1/32"	3-15
SERIAL NO.	22317 EC4016
DEPTH OUT	4782 4847
DEPTH IN	4782 4847
TOTAL FTG.	65
TOTAL HRS. RUN	5¼
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	600	700
WEIGHT	8.6	8.6
VIS.-SEC.	28	28
PV/YP	/	/
GELS.	/	/
W.L.-C.C.		
PH		
% SOLIDS		
% SAND		

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	17 SAKS		
WT. MT.	10 SAKS		

175 BBLS. LOST TO FORMATION

EVENING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
4847	4877		30	5	CORE #5 4847-4877 RECOVERED 25.7 - 3½' CORE	65	15	1100		6	70	6.		
						LOST 175 BBLS WATER.								

DEVIATION RECORD

DEPTH	DEVIATION °	DIRECTION	DEPTH	DEVIATION °	DIRECTION	DEPTH	DEVIATION °	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	7.00	3		CUT CORE #5
7.00	9.00	2		PULL OUT
9.00	10.15	1¼		RECOVER CORE LAY DOWN CORE BBL.
10.15	12.00	1¾		RUN IN PICK UP MONEL + STAB

DRILLER: J. Konicek

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Tree River East H-57

LOCATION: H-57 | PROVINCE: N.W.T

OPERATOR: Shell Canada Limited | CONTRACTOR: Gus Tavson Drlg | RIG NO.: 11

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown | SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Ed Samuels

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE: MONTH	DAY	YEAR
4573'	4782	209		26	March	5	1971

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD
4½"	16.6#	E	2 7/8"	5½"	4" FH
6 5/8"	70#		2 7/8"		5" H90

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	National	8P80	8½"
2	"	8P80	8½"

LAST CASING TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
9 5/8"	36# K55	30	1086'	16.25	1063'		

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL		5 1/4	4	9 1/4
3	REAMING		1 3/4		1 3/4
4	CORING	2 1/4			2 1/4
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS	3 1/2	1/2	2 1/4	6 1/4
7	RIG SERVICE		1/4	1/4	1/2
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE	1/2			1/2
	DEVIATION SURVEY			1	1
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD	3/4		1/2	1 1/4
22	LOST CIRCULATION				
23	Handle Core	1			1
24	Break Circ.		1/4		1/4
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS				24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
ZONE CODE	BOILER #1	8	8		
	Boiler #2	8	8		

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
1		8 3/4" Sec M88			3.00 FT.
1		Dm 3½ x 6¾			14.05 FT.
1		Sl 2¾ x 6¾			4.10 FT.
1		Sub 2¾ x 6¾			2.10 FT.
			I.D.	O.D.	
			X		FT.
21	DC	2¾ x 6¾			650.98 FT.
44	DP	STANDS			4094.43 FT.
	DP	SINGLES			FT.
		KELLY DOWN			10.00 FT.
		TOTAL			4782.00
		WT. OF DC IN AIR			65M LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	RR6
SIZE	8¾
MFG.	SEC
TYPE	M88
JETS 1/32"	3-12
SERIAL NO.	236821
DEPTH OUT	4782
DEPTH IN	4603
TOTAL FTG.	179
TOTAL HRS. RUN	43¾
BIT CONDITION 1/8" T/B/GAGE	8 8
	Reamed 104' Ratchole
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	
GELS.	
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Gel	28 Bags		
Wt. Mat.	15 Bags		
Lost 225 BBLS Water To Formation			

MORNING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
4573	4603	2¾	C 30'	#4	Rec'd 30' of Core	80	16M	850		6"	70			
					Lost Approx 450 Bbls of Water To Formation									

DEVIATION RECORD	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
	4430	1°	S 47 W	4530	1 1/2°	S 47 W			

TIME LOG FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12 00	2 15	2¼		Cut Core #4 Interval 4573 To 4603' 30'
2 15	3 00	3/4		Mix Gel & Wt. Mat. Fill. & Serv Rig.
3 00	4 30	1½		Hoist Core BBL.
4 30	5 30	1		Rec'd Core Serv BBL & Layed Down BBL.
5 30	6 15	3/4		Picked up Reamed Bit sub & Installed Stab. @ 60' above Reamed.
6 15	6 45	½		Slipped 33' Drlg Line
6 45	8 00	1¼		Running in w/ Bit.

DRILLER: G. Johnson

DAY TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
4603	4720	11¾	5¼		Reame 13¾	55	52	1200		6"	110			
					Water Lost In Formation 425 BBL									

DEVIATION RECORD	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8 00	8 30	½		Run In W/ B.T.
8 30	9 00	½		Rig Ser. & BOPs. Break Circ
9 00	10 45	1¾		Ream Rat Hole From 4573 To 4603.
10 45	4 00	5¼		Drill 8¾ Hole.
				24" Bucket
		1½		HRS. Overtime Mech + Welder. B. Russell (3 Hrs Ot. Welding on Roberts Pat Hole

DRILLER: Copeland

EVENING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
4720	4782	4	62			55	50	1200		6"	110			

DEVIATION RECORD	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
	4750	2°	S 37 W						

TIME LOG FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	4.15	¼		Rig Serv. ✓ BOPs.
4.15	5.15	1		Drlg.
5.15	6.15	1		Run Survey. + Re Run Same. Directional.
6.15	9.15	3		Drlg.
9.15	9.45	½		Mix Mud + Wt. Material.
9.45	12.00	2¼		Trip Out. (Wet.)

DRILLER: R. Lewsiuk

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell oil Tree River East

LOCATION: H-57 | PROVINCE: N.W.T

OPERATOR: Shell Canada Limited | CONTRACTOR: Gustavson Drlg | RIG NO.: 11

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown | SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack McLeod

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
4251	4583			25	MARCH	4	1971

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD
4"	11.7	E	2 7/8"	5 1/4"	4" FH
6 3/4"	101.7		2 7/8"	6 3/4"	5" H90

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	National	8P80	8 1/2"
2	"	8P80	8"

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9 5/8"	36# J55	30	1006'	16.25	1003'		

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	7 1/4	7	1	15 1/4
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS			4	4
7	RIG SERVICE	1/4	1/4		1/2
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY	1/2	3/4		1 1/4
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS			1 1/2	1 1/2
21	CONDITION MUD			1 1/2	1 1/2
22	LOST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24

CONTRACTOR EQUIPMENT RENTAL					
	BOILER #1	8	8	8	
	Boiler #2	8	8	8	
	Code 232	16	HRS		
	Code 257	8	HRS		

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
1	BS		2 7/8	6 3/4	3.96 FT.
1	DM		3	6 3/4	14.75 FT.
1	ST		2 7/8	6 3/4	4.10 FT.
1	C/C		2 7/8	6 3/4	2.10 FT.
			I.D.	O.D.	
		X			FT.
21	DC		2 7/8	6 3/4	650.98 FT.
41	DP	STANDS			FT.
2	DP	SINGLES			38.71 FT.
		KELLY DOWN			16. FT.
		TOTAL			45.73 FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	PR 6
SIZE	8 3/4
MFG.	Sec
TYPE	M88
JETS 1/32"	16 16 16
SERIAL NO.	236821
DEPTH OUT	4573
DEPTH IN	3880
TOTAL FTG.	693
TOTAL HRS. RUN	34 1/2
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	8.00	12.00	2.00
WEIGHT	8.6	8.6	8.6
VIS.-SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Gel	30 sks		
LOST 600 BBLS WATER TO FORMATION			

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
1	C.B		X	5 3/4	3.50 FT.
1	D.P.		2 1/2	X 5 3/4	.17 FT.
1	BS		2 1/2	X 6 3/4	3.96 FT.
1	JND		2 1/2	X 6 3/4	7.33 FT.
1	CO		2 1/2	6 3/4	3.10 FT.
			I.D.	O.D.	
		X			FT.
12	DC		2 1/2	6 3/4	371.95 FT.
44	DP	STANDS			4518.10 FT.
1	DP	SINGLES			31.18 FT.
		KELLY DOWN			34.00 FT.
		TOTAL			4583.93 FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	CORE 4 JR
SIZE	6 3/4
MFG.	CHRIS
TYPE	D
JETS 1/32"	
SERIAL NO.	EC4016
DEPTH OUT	4583
DEPTH IN	4273
TOTAL FTG.	10
TOTAL HRS. RUN	1
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VIS.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	15 SKS		
WT. MT.	15 SKS		
LOST 125 BBLS TO FORMATION			

MORNING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
4251	4400	7	149			55	30m	750		6"	110			
					Lost Rec 595 BBL± water to Formation									

DEVIATION RECORD	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
	4317	1/4							

TIME LOG FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	12.15	1/4		Serv Rig & Swivel
12.15	3.30	3 1/4		Drlg
3.30	4.00	1/2		Directional Survey
4.00	8.00	4		Drlg

DRILLER: E. Johnson

DAY TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
4400	4573	7	173		1 Drum Vitrea 41	35	40/50	750		6"	110			S

DEVIATION RECORD	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
	4442								

TIME LOG FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	10.00	2		Dr. 11
10.00	10.30	1/2		Survey Rig Ser. Check B.O.P.s.
10.30	3.00	4 1/2		Drill
3.00	3.30	1/2		Survey
3.30	4.00	1/2		Dr. 11

DRILLER:

EVENING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
4573	4583	1	10	4		68	16M	850		6"	70			
					8 Hrs overTime E. Johnson For Coring Supervision									
					4 HRS. OVERTIME LOADING TRUCK WITH CEMENT. A. EWASIUK L. SCOTT L. BRAZEL									

DEVIATION RECORD	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	5.30	1 1/2		RIG SERV. CHECK. BOPS. MIX MUD + WT. MAT.
5.30	7.30	2		TRIP OUT TO CORE PIPE TALLY. 3877.71
7.30	8.30	1		LAY DOWN MONEL D.C. STAB. + SUBS. STRAP OUT. 3878.10
8.30	9.00	1/2		PICK UP. CORE BARREL + SERV. DIFF. .39
9.00	10.30	1 1/2		TRIP IN.
10.30	12.00	1 1/2		CLEAN TO BITTOM + CUT CORE NO 4.
		8.		

DRILLER: A. Ewasiuk

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Tree River East H-57

LOCATION: H-57

PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: A. Brown

CONTRACTOR: Gustavson Drilling (1964) Ltd.

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack McLeod

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
4166	4251	85		24	MARCH	3	1971

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD
4"	14	E			
6¾"	70#				

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	National	8P80	8½"
2	National	8P80	8½"

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9⅝	36# K55	30	1006'	16.25'	1003		

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	3¼	¾	1	4¾
3	REAMING	1¾		1	2¾
4	CORING		1½		1½
5	CLEAR TO BOTTOM AND CIRCULATING			¾	¾
6	TRIPS	¼	3	3½	7¼
7	RIG SERVICE		¼	¼	½
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE	¼			¼
10	DEVIATION SURVEY		½		½
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS	½		1	1
	CONDITION MUD		2½	½	3
22	LOST CIRCULATION				
23	Rec. Core	1			1
24	Handle Core Bbl.		¾		¾
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
	BOILER #1	8	8	8	
	BOILER #2	8	8	8	
	Code 232	6 HRS.			
	Code 257	18 HRS			

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			
1	BS		2¼	6¾	5.96 FT.
1	DM		2¼	6¾	14.75 FT.
1	SI		2¼	6¾	4.10 FT.
1	SO		2¼	6¾	2.10 FT.
			I.D.	O.D.	
			X		FT.
			I.D.	O.D.	
			X		FT.
21	DC		2¼	6¾	654.98 FT.
37	DP	STANDS			FT.
2	DP	SINGLES			3505.89 FT.
		KELLY DOWN			34.00 FT.
		TOTAL			4215.69 FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			106,000 LBS.

BIT RECORD

BIT NO.	RR6	RR6
SIZE	8¾	8¾
MFG.	Sec	Sec
TYPE	M88	M88
JETS 1/32"	16 16 16	16 16 16
SERIAL NO.	236521	236521
DEPTH OUT	Run 4166	
DEPTH IN	4136	4166
TOTAL FTG.	30	2.75'
TOTAL HRS. RUN	1¾	19.2
BIT CONDITION 1/8" T/B/GAGE		Run
REAMER CUTTER NO.		
REAMER TYPE		

MUD RECORD

TIME	4:00	6:00
WEIGHT	8.6	8.6
VIS.-SEC.	28	28
PV/YP	/	/
GELS.	/	/
W.L.-C.C.		
PH		
% SOLIDS		
% SAND		

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Gel	10 sks.		

Lost 510 BBLS Water to Formation

FOOTAGE

FROM	TO	ROT. HOURS	DR-RM-CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
4136	4166	1¾	R	2	Cut 30' Recovered 29'	50	15	900		6	110			
4166	4215	3¼	D	49'		55	35	900		6	110			S

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

MORNING TOUR

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12:00	1:00	1		Rec. Core Service Bbl. + Lay down same
1:00	1:30	½		Pick up monel DC. Bit Sub Install Stab. 60' above monel Run in DCs.
1:30	1:45	¼		Slip 33' Drlg Line.
1:45	3:00	1¼		Ream Rat Hole 4136' To 4166' - 30'
3:00	4:45	1¾		Run In.
4:45	8:00	3¼		Drlg 8¾ Hole.

DRILLER: E. Johnson

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			
1	BS		2¼	6¾	35.17 FT.
1	DM		2¼	6¾	1.33 FT.
1	BS		2¼	6⅞	3.96 FT.
1	SO		2¼	6¾	2.10 FT.
1	Subs		2¾	6¾	7.33 FT.
			I.D.	O.D.	
			X		FT.
12	DC		2¼	6¾	371.95 FT.
40	DP	STANDS			FT.
2	DP	SINGLES			3783.00 FT.
		KELLY DOWN			34.00 FT.
		TOTAL			4238.84 FT.
		WT. OF DC IN AIR			35M LBS.
		WT. OF STRING			80M LBS.

BIT RECORD

BIT NO.	RR#6	6
SIZE	8¾	6½
MFG.	SEC	Christ
TYPE	M88	◊
JETS 1/32"	16 16 16	
SERIAL NO.	236821	EC4016
DEPTH OUT	4224	4238
DEPTH IN	4166	4224
TOTAL FTG.	286	14
TOTAL HRS. RUN	19¼	1½
BIT CONDITION 1/8" T/B/GAGE		
REAMER CUTTER NO.		
REAMER TYPE		

MUD RECORD

TIME	8 AM	
WEIGHT	8.6	
VIS.-SEC.	28	
PV/YP	/	/
GELS.	/	/
W.L.-C.C.		
PH		
% SOLIDS		
% SAND		

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Gel	20 Bags		
WT Mat	15 Bags		

Lost 340 BBLS of Water to Formation

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
4215	4224	¾	D			54	35	900		6	110			
4224	4238	1	C	3		80	16	900		6	110			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
4224	1¾							

DAY TOUR

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8:00	8:45	¾		Drlg
8:45	9:15	½		Rig Serv Checked BOP & Survey
9:15	10:15	1		Mix WT Mat. & Gel
10:15	11:45	1½		Hoist
11:45	12:30	¾		Pick up & make up Core Bbl & Jars
12:30	2:00	1½		Run in Out Core #3
2:00	2:30	½		Circ Core Bbl 2:30 To 4:00 PM

DRILLER: C. McConnell

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			
1	BS		2¼	6⅞	3.96 FT.
1	DM		2¼	6¾	14.75 FT.
1	SI		2¼	6¾	4.10 FT.
1	SO		2¼	6¾	2.10 FT.
			I.D.	O.D.	
			X		FT.
21	DC		2¼	6¾	650.98 FT.
38	DP	STANDS			3537.05 FT.
	DP	SINGLES			FT.
		KELLY DOWN			39.00 FT.
		TOTAL			4252.94 FT.
		WT. OF DC IN AIR			65M LBS.
		WT. OF STRING			106M LBS.

BIT RECORD

BIT NO.	RR.6	RR.6
SIZE	8¾	8¾
MFG.	SEC	SEC.
TYPE	M88	M88
JETS 1/32"	½ ½ ½	½ ½ ½
SERIAL NO.	236821	236821
DEPTH OUT	4251	4238
DEPTH IN	4238	4224
TOTAL FTG.	295	14
TOTAL HRS. RUN	20¼	1
BIT CONDITION 1/8" T/B/GAGE		
REAMER CUTTER NO.		
REAMER TYPE		

MUD RECORD

TIME		
WEIGHT		
VIS.-SEC.		
PV/YP	/	/
GELS.	/	/
W.L.-C.C.		
PH		
% SOLIDS		
% SAND		

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Gel	18 sks		

Lost 200 BBLS Water to Formation

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
~~4220~~	~~4238~~				CORE No 3 - 14 FT.	55	40	550		6¼	100			
4238	4251	1	13		FULL RECOVERY.									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

8 HRS OVERTIME E. JOHNSON CORING SUPERVISION.

EVENING TOUR

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	6.00	2		RIG SERV. TRIP OUT WITH CORE NO 3.
6.00	7.30	1½		RECOVER CORE SERV. CORE BARREL.
7.30	8.30	1		LAY DOWN CORE BARREL. PICK UP MONEL + SUBS.
8.30	10.00	1½		TRIP IN.
10.00	11.00	1		REAMING.
11.00	12.00	1		DRLG 8¾ HOLE.

DRILLER: A. Lavoie

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Tree River East H-57

LOCATION: | PROVINCE: N.W.T

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L Brown

CONTRACTOR: Gustavson Drlg | RIG NO.: 11

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack M Reid

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
4011'				23	March	2	1971

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4"	14#	E	2 7/8"	5 1/2"	4" FH	1	National	8P80	8 1/2"
6 3/4"	10#		2 7/8"	6 3/4"	5" H90	2	"	8P80	8 1/2"

LAST CASING (TUBING OR LINER): SIZE 9 5/8 | WT. AND GR. 36# K55 | NO. OF JOINTS 30 | FELT 1006" | KB. TO CSG. HEAD 16.25 | SET AT 1003' | CEMENT USED (SACKS)

REMARKS:

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	7 1/4	6 1/4	±	8 1/2
3	REAMING				
4	CORING			4	4
5	CLEAN TO BOTTOM AND CIRCULATING			1/4	1/4
6	TRIPS		3 3/4	2 1/2	6 1/4
7	RIG SERVICE	1/4	1/4	1/4	3/4
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY	1/2			1/2
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD	1 1/2	1	2 1/2	4 1/2
22	LOST CIRCULATION				
23	Back Ream	14			14
24	Core Bbl	1			1
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
CONTRACTOR EQUIP. RENTAL	BOILER #1	8	8	8	24
	Boiler #2	8	8	8	24
	Code	257	14 1/2	HRS	
		232	9 1/2	1/40	

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT	I.D.	O.D.	FT.
1		BS	2 7/8	6 3/4	3.96 FT.
1		DM	2 7/8	6 3/4	14.75 FT.
2		SI	2 7/8	6 3/4	8.61 FT.
1		C/O	2 7/8	6 3/4	2.10 FT.
			I.D.	O.D.	FT.
1		DC	2 7/8	6 3/4	650.98 FT.
			I.D.	O.D.	FT.

	DP	STANDS	FT.
2	DP	SINGLES	341.03 FT.
	KELLY DOWN		17.00 FT.
	TOTAL		4110.43 FT.
	WT. OF DC IN AIR		65M LBS.
	WT. OF STRING		105M LBS.

BIT RECORD

BIT NO.	AA 6
SIZE	8 3/4
MFG.	SEC
TYPE	M88
JETS 1/32"	Open
SERIAL NO.	236821
DEPTH OUT	
DEPTH IN	3880'
TOTAL FTG.	230'
TOTAL HRS. RUN	7 1/4
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	12 00	4 00	6 00
WEIGHT	8.6	8.6	8.6
VIS.-SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Lost Appr 510 BBLS of Water to Formation			
GEL - 10 Bags			

MORNING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
4060'	4110	7 1/2	110'			60	35	600		6"	110			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
4073'	1 3/4	N 46 W						

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12 00	12 15	1/4		Serv Rig Swivel & Checked BOP
12 15	4 45	4 1/2		Drlg
4 45	5 15	1/2		Directional Survey
5 15	8 00	2 3/4		Drlg

DRILLER: E. Johnson

DAY TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
4110	4136	1 1/4	26		1 DRUM SPRAX 75	60	35	60		6	110			
					1 DRUM RIMULA 30									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8 00	8 15	1/4		RIG SER ✓ BOPS.
8 15	9 30	1 1/4		DRILL.
9 30	11 00	1 1/2		CLEAN TANK MIX WT MAT. & GEL.
11 00	1 00	R		HOIST. SLOW.
1 00	2 00	1		PICK UP & SER CORE BBL.
2 00	3 45	1 3/4		RUN IN W/ CORE BBL.
3 45	4 00	1/4		BREAK CIRC

DRILLER: [illegible]

BIT RECORD

BIT NO.	RR 6
SIZE	8 3/4
MFG.	Sec.
TYPE	M88
JETS 1/32"	OPEN
SERIAL NO.	236821
DEPTH OUT	4136
DEPTH IN	3880
TOTAL FTG.	256
TOTAL HRS. RUN	18 1/4
BIT CONDITION 1/8" T/B/CAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	8 00		
WEIGHT	8.6		
VIS.-SEC.	28		
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	1200#		
WT MAT	1800#		
Lost 150 Bbls. Water To Formation			

EVENING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
4136	4166	4	30	2	LOST 300 BBLS.	68	16M	850		6"	70			
					WATER TO FORMATION									
					✓ Has Overtime E Johnson for Coring Supervision									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	4.15	1/4		RIG SERV.
4.15	4.30	1/4		CIRC. CORE BARREL. DROP BALL.
4.30	8.30	4		CUTTING CORE #2.
8.30	9.30	1		MIX GEL & WT MAT.
9.30	12.00	2 1/2		TRIP OUT SLOW.
		8		

DRILLER: L. Juravila

BIT RECORD

BIT NO.	Core Head
SIZE	6" x 3 1/2"
MFG.	Christ.
TYPE	◇
JETS 1/32"	
SERIAL NO.	EC4016
DEPTH OUT	4166
DEPTH IN	4136
TOTAL FTG.	30
TOTAL HRS. RUN	4
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	6 00		
WEIGHT	8.6		
VIS.-SEC.	28		
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	2000#		
WT. MAT.	1500#		

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT	I.D.	O.D.	FT.
1		BS	2 7/8	6 3/4	3.96 FT.
1		JM		6 3/4	7.33 FT.
1		CD	2 7/8	6 3/4	2.10 FT.
1		CB			35.17 FT.
			I.D.	O.D.	FT.
2		DC	2 7/8	6 3/4	371.95 FT.
			I.D.	O.D.	FT.

	DP	STANDS	3324.12 FT.
	DP	SINGLES	FT.
	KELLY DOWN		21.00 FT.
	TOTAL		4116.97 FT.
	WT. OF DC IN AIR		LBS.
	WT. OF STRING		86 M. LBS.

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Tree River East H-57

LOCATION: H-57

PROVINCE: N.W.T

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Don Crawford

CONTRACTOR: Gustavson Drlg

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack McLeod

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE (MONTH / DAY / YEAR)
3932'	4000'	68'		22	March 1 1971

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D	TYPE THREAD
4½	16.6#	E	2 7/8"	5½"	4"FH
6 3/4"	156#		2 7/8"	6 3/4"	5"H90

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	National	8P80	9½"
2	"	8P80	9½"

LAST CASING TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
9 5/8"	36# K55	30	1006'	16.25	1003'		

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL			3	
3	REAMING			3	
4	CORING	2½	1¼		
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS	4¾	2½	2	
7	RIG SERVICE	¼			
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD		2.		
22	LOST CIRCULATION				
23	Circ C.B	½	2¼		
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	
	HOURS FOR SHELL ACCOUNT				
CONTRACTOR EQUIPMENT RENTAL	BOILER #1	8	8	8	
	Boiler #2	8	8	8	

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT / DP / DC	I.D.	O.D.	FT.
1	BS	2 7/8	6¾	3.91	FT.
2	ST	2 7/8	6¾	8.61	FT.
3	C/a	2 7/8	6¾	2.16	FT.
1	JH	2 7/8	6¾	7.33	FT.
1	C/a	2¼	5¾	1.13	FT.
1	CB	6	5¾	35.17	FT.
12	DC	2 7/8	6¾	371.95	FT.
37	DP	STANDS			FT.
2	DP	SINGLES		3506.17	FT.
	KELLY DOWN			15.00	FT.
	TOTAL			3949.32	FT.
	WT. OF DC IN AIR			35 M	LBS.
	WT. OF STRING			80 M	LBS.

BIT RECORD

BIT NO.	
SIZE	6 1/2
MFG.	Christ.
TYPE	M
JETS 1/32"	16 16 16
SERIAL NO.	EC4016
DEPTH OUT	
DEPTH IN	3932
TOTAL FTG.	17'
TOTAL HRS. RUN	2½
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ / /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Loss Approx BBLS of Water To Formation			

MORNING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3932	3949	2½	17'	1		68	14	900		6"	76			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12 00	12 15	¼		Rig Serv & Checked B.O.P.
12 15	1 45	1½		Finished out & Stood Back Monel D.C.
1 45	2 30	¾		Picked up Core BBL & Jars
2 30	5 00	2½		Measured in w/ Core BBL
5 00	5 30	½		Washed To Bottom Circ & Dropped Ball.
5 30	8 00	2½		Cut Core #1

8 Hrs overTime For Coring Supervisor E. Johnson

DRILLER: E. Johnson

DAY TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3949	3962	1¼	13			68	14	900		6"	78			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8 00	9 15	1¼		CUT CORE #1.
9 15	11 15	2		Mix WT MAT & GEL. PUMP DOWN.
11 15	1 15	2		HOIST CORE BBL PLUGS.
1 15	3 30	2¼		HANDLE CORE
3 30	4 00	½		PICK UP MONEL. RUN IN D.C.

6 hrs Over Time — B. Russell

DRILLER: [illegible]

EVENING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D ~~DRLG~~ ~~CORE~~	CORE ~~NO.~~ REAM.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3962	4000	6	38	30		60	35	600		6"	110			

4 hr. Over Time — L. Scott

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	6.00	2		TRIP IN & MEASURE. RIG SERV. & B.OPS.
6.00	9.00	3		REAM RAT HOLE.
9.00	12.00	3		DRLG 8¾ HOLE
		3/8		Pipe Measurement — 3932.47
				PIPE TALLY — 3932.00
				DIFFERENCE

DRILLER: A. Lwowski

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT / DP / DC	I.D.	O.D.	FT.
1	BS	2¾	6¾	3.96	FT.
1	DM	3⅛	6¾	14.25	FT.
2	SL	2¾	6¾	8.61	FT.
1	CD	2¾	6¾	2.10	FT.
		I.D.	O.D.		FT.
		X			
21	DC	2¾	6¾	650.98	FT.
		I.D.	O.D.		FT.
		X			
35	DP	STANDS			FT.
1	DP	SINGLES		3289.43	FT.
	KELLY DOWN			31.00	FT.
	TOTAL			4000.83	
	WT. OF DC IN AIR			65M	LBS.
	WT. OF STRING			104M	LBS.

BIT RECORD

BIT NO.	6 RR.
SIZE	8¾
MFG.	SEC
TYPE	M88
JETS 1/32"	OPEN
SERIAL NO.	236821
DEPTH OUT	
DEPTH IN	3880
TOTAL FTG.	120
TOTAL HRS. RUN	9¾
BIT CONDITION 1/8" T/B/GAGE	1 N
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ / /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Gel	1800 #.		
WT MAT.	15000 #.		

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Tree River East H-57

LOCATION: | PROVINCE: N.W.T

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Lee Carson

CONTRACTOR: Gustavson Drlg

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: G. L. McLeod

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE (MONTH / DAY / YEAR)
3768'	3932'	164'		21	Feb 28 1971

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD
4"	14#	E	2 7/8"	5 1/4"	F.H.
6 3/4"	101#		2 7/8"	5"H90	

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	National	8P80	8 1/2"
2	"	8P80	8 1/2"

LAST CASING, TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)
9 5/8"	36# K55	30	1006'	16.25	1003'	

REMARKS:

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	5 3/4	1/2	3 1/4	
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS	1/2	6 1/4	1	
7	RIG SERVICE	1/4		1/4	
8	RIG REPAIR		3/4		
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY	1/2		1/2	
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD		2	1 1/2	
22	LOST CIRCULATION			1 1/2	
23			1 1/2		
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	
	HOURS FOR SHELL ACCOUNT				
CONTRACTOR'S CODE	BOILER #1	8	8	8	
	Boiler #2	8	8	8	

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			
1	BS		2 7/8	6 3/4	3.96 FT.
1	SS		2 7/8	6 3/4	8.50 FT.
1	DM		3 1/8	6 3/4	14.75 FT.
1	SL		2 7/8	6 3/4	8.10 FT.
1	CO		2 7/8	6 3/4	9.10 FT.
			I.D.	O.D.	FT.
			X		
21	DC		2 7/8	6 3/4	650.98 FT.
34	DP	STANDS			3164.53 FT.
	DP	SINGLES			FT.
	KELLY DOWN				32.00 FT.
	TOTAL				3880.92 FT.
	WT. OF DC IN AIR				65M LBS.
	WT. OF STRING				104M LBS.

BIT RECORD

	1	2	3
BIT NO.	5		
SIZE	8 3/4		
MFG.	SEC		
TYPE	M88		
JETS 1/32"	OPEN		
SERIAL NO.	911995		
DEPTH OUT	3880		
DEPTH IN	3059		
TOTAL FTG.	821		
TOTAL HRS. RUN	~~22 3/4~~ 17 1/4		
BIT CONDITION 1/8" T/B/GAGE			
REAMER CUTTER NO.			
REAMER TYPE			

MUD RECORD

	1	2	3
TIME	12:00	4:00	6:30
WEIGHT	8.6	8.6	8.6
VIS.-SEC.	28	28	28
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3768	3880					60	35	600		6"	100			
					1 BBL of Vitrea #41									
					Lost Approx 460 BBLs of Water To Formation									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
3860	1 3/4	N51W						

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12:00	12:15	1/4		Serv Rig & Checked BOP.
12:15	4:45	4 1/2		Drlg
4:45	5:15	1/2		Directional Survey @ 3860'
5:15	6:30	1 1/4		Drlg
6:30				Hoist 20 Stands Well Flowing Salt Water
	8:00	1 1/2		Close 4" Rams & Pumping in Kill Line.
			Held	Blow out Drill w/ Crew.

DRILLER: E. Johnson

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			
1	BS		2 7/8	6 3/4	3.96 FT.
1	SS		2 7/8	6 3/4	8.50 FT.
1	DM		3 1/8	6 3/4	14.75 FT.
1	SL		2 7/8	6 3/4	8.10 FT.
1	CO		2 7/8	6 3/4	9.10 FT.
			I.D.	O.D.	FT.
			X		
21	DC		2 7/8	6 3/4	650.98 FT.
34	DP	STANDS			3164.53 FT.
	DP	SINGLES			FT.
	KELLY DOWN				34.00 FT.
	TOTAL				3880.92 FT.
	WT. OF DC IN AIR				65M LBS.
	WT. OF STRING				104M LBS.

BIT RECORD

	5	6
BIT NO.	5	6
SIZE	8 3/4	8 3/4
MFG.	SEC	SEC
TYPE	M88	M88
JETS 1/32"	OPEN	OPEN
SERIAL NO.	911995	231821
DEPTH OUT	3880	
DEPTH IN	3059	3880
TOTAL FTG.	821	3
TOTAL HRS. RUN	17 1/4	1/2
BIT CONDITION 1/8" T/B/GAGE	7 7 1	
REAMER CUTTER NO.		
REAMER TYPE		

MUD RECORD

	5	6
TIME		
WEIGHT		
VIS.-SEC.		
PV/YP		
GELS.		
W.L.-C.C.		
PH		
% SOLIDS		
% SAND		

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
WT MAT	20 SKS.		
SAWDUST	20 SKS.		
FIBRE	10 SKS.		
GEL	12 SKS.		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3880	3883	1 1/2	3			50	30	500		6"	110	6		
					3 hr. Overtime for - C. McConnell, B. Wood, C. Lewis, D. Siebens, S. Websdale.									
					3 hr. Overtime - B. Russell									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
~~3959~~								

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8:00	8:30	1/2		Rig Ser. & BOPs. OBR. DDC.
8:30	9:00	1/2		Well Flowing. Salt Water OBR.
9:00	11:00	2		Run in 4 STANDS of D.P.M. OPC.
11:00	11:30	1/2		Mix WT Mat. & Loss Circ Mat'l Mowell C.
11:30	12:15	3/4		Hoist Slow. OBITS.
12:15	3:30	3 3/4		Chang Drum Clutch Cont.
3:30	4:00	1/2		Trip & Chang STBs in Drill String
				Drill

DRILLER: [illegible]

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			
1	BS		2 7/8	6 3/4	3.96 FT.
1	DM		3 1/8	6 3/4	14.75 FT.
2	SL		2 7/8	6 3/4	8.61 FT.
1	CO		2 7/8	6 3/4	9.10 FT.
			I.D.	O.D.	FT.
			X		
			I.D.	O.D.	FT.
			X		
21	DC		2 7/8	6 3/4	650.98 FT.
38	DP	STANDS			3226.85 FT.
2	DP	SINGLES			FT.
	KELLY DOWN				25 FT.
	TOTAL				3932.35 FT.
	WT. OF DC IN AIR				65M LBS.
	WT. OF STRING				104M LBS.

BIT RECORD

	6
BIT NO.	6
SIZE	8 3/4
MFG.	SEC
TYPE	M88
JETS 1/32"	OPEN
SERIAL NO.	231821
DEPTH OUT	3880
DEPTH IN	3880
TOTAL FTG.	52
TOTAL HRS. RUN	3 3/4
BIT CONDITION 1/8" T/B/GAGE	1
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

	6
TIME	4:00 10:00
WEIGHT	8.6 8.9
VIS.-SEC.	28
PV/YP	/ /
GELS.	/ /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
SAWDUST	15 SKS		
GEL	1500#		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3883	3932	3 1/4	49		Lost 200 BBLS To FORMATION.	55	35	600		6"	110			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
3932	1 1/2°	N62W						

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	4.15	1/4		RIG SERV. CHECK B.O.P.S.
4.15	7.30	3 1/4		DRLG.
7.30	10.00	2 1/2		CIRC. MIX SAWDUST & SURVEY. MIX PILL.
10.00	12.00	2.		PUMP DOWN PILL. TRIP OUT SLOW.
		8		

DRILLER: A. Lussiaa

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Arctic Tree River East H-57

LOCATION: PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Lee Lanford

CONTRACTOR: Gustavson

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack McLeod

RIG NO.: 11

DP / DC SIZE	WT. / FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD
4"	14"	E	2 3/8	5 1/4"	F.H.
5 1/2"	10"		2 7/8"	5" H90	5" H90

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
#1	National	8P80	8 1/2"
#2	"	8P80	8 1/2"

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE: MONTH	DAY	YEAR
3395'	3768'	373'		20	Feb	27	71

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9 5/8	36# K55	30	1006'	16.25	1003'		

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	6 3/4	7 3/4	6 1/2	
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE	1/4	1/4	1/4	
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY	1/4		1 1/4	
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	
	HOURS FOR SHELL ACCOUNT	8	8	8	
CONTRACTOR EQUIPMENT	BOILER #1	8	8	8	
	Boiler #2	8	8	8	

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			
1	BS		2 3/8	6 3/4	3.96 FT.
1	SS	2"		6 3/4	8.50 FT.
1	DM		3 1/8	6 3/4	14.75 FT.
1	SI		2 7/8	6 3/4	4.10 FT.
1	CO		2 7/8	6 3/4	2.10 FT.
		X			FT.
21	DC		2 7/8	6 3/4	650.98 FT.
30	DP	STANDS			FT.
1	DP	SINGLES			2823.04 FT.
	KELLY DOWN				14.00 FT.
	TOTAL				3521.53 FT.
	WT. OF DC IN AIR				66M LBS.
	WT. OF STRING				98M LBS.

BIT RECORD

BIT NO.	5
SIZE	8 3/4
MFG.	Sec
TYPE	M88
JETS 1/32"	Open
SERIAL NO.	911895
DEPTH OUT	
DEPTH IN	3059
TOTAL FTG.	341
TOTAL HRS. RUN	20 3/4
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	12 00	11 00	6 00
WEIGHT	8.6	8.6	8.6
VIS.-SEC.			
PV / YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

462 BBLS H2O TO HOLE

FOOTAGE

FROM	TO	ROT. HOURS	DR-D / RM-R / CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3395'	3521'	6 3/4	126'			60	35	500		6"	100			

Lost Approx 462 Bbls of Water to Formation

DEVIATION RECORD

DEPTH	DEVIATION °	DIRECTION	DEPTH	DEVIATION °	DIRECTION	DEPTH	DEVIATION °	DIRECTION
3395'	1 1/2°	N 20 W	3519'					

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1200	1230	1/2		Serv Rig & Checked BOP & Finished Directional Survey
1230	645	6 1/4		Drlg 8 3/4 Hole w/ Water
645	730	3/4		Directional Survey
730	800	1/2		Drlg.

DRILLER: E. Johnson

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			
1	BS		2 3/8	6 3/4	3.96 FT.
1	SS	2"		6 3/4	8.50 FT.
1	DM		3 1/8	6 3/4	14.75 FT.
1	SI		2 7/8	6 3/4	4.10 FT.
1	CO		2 7/8	6 3/4	2.10 FT.
		X			FT.
21	DC		2 7/8	6 3/4	650.98 FT.
31	DP	STANDS			2885 42 FT.
2	DP	SINGLES			62.89 FT.
	KELLY DOWN				38. FT.
	TOTAL				3560.
	WT. OF DC IN AIR				65M LBS.
	WT. OF STRING				98M LBS.

BIT RECORD

BIT NO.	5
SIZE	8 3/4
MFG.	Sec
TYPE	M88
JETS 1/32"	open
SERIAL NO.	911895
DEPTH OUT	
DEPTH IN	3059
TOTAL FTG.	501
TOTAL HRS. RUN	33 1/4
BIT CONDITION 1/8" T/B/GAGE	1/1
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	8 00	12 00	3 00
WEIGHT	8.6	8.6	
VIS.-SEC.	28	28	28
PV / YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

Water Lost to Formation 260 BBLS Water

FOOTAGE

FROM	TO	ROT. HOURS	DR-D / RM-R / CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3521	3660	23	139			60	35	500		6"	100			

DEVIATION RECORD

DEPTH	DEVIATION °	DIRECTION	DEPTH	DEVIATION °	DIRECTION	DEPTH	DEVIATION °	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
800	900	1		Drlg. 8 3/4 Hole. Talk on BOP
900	915	1/4		Rig Ser & B.O.P.S. Drill
915	400	6 3/4		Drlg.

4 hr. Overtime - B. Russell

2 hr. Overtime - C. McConnell, B. Wood, C. Lewis, D. Sieben, S. Websdale.

DRILLER: [illegible]

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			
1	BS		2 3/8	6 3/4	3.96 FT.
1	SS	2"		6 3/4	8.50 FT.
1	DM		3 1/8	6 3/4	14.75 FT.
1	SI		2 7/8	6 3/4	4.10 FT.
1	CO		2 7/8	6 3/4	2.10 FT.
		X			FT.
21	DC		2 7/8	6 3/4	650.98 FT.
32	DP	STANDS			FT.
2	DP	SINGLES			3046 72 3060 FT.
	KELLY DOWN				43.00 FT.
	TOTAL				3768.56 FT.
	WT. OF DC IN AIR				63M LBS.
	WT. OF STRING				100 M. LBS.

BIT RECORD

BIT NO.	5
SIZE	8 3/4
MFG.	SEC.
TYPE	M88
JETS 1/32"	OPEN
SERIAL NO.	911895
DEPTH OUT	
DEPTH IN	3059
TOTAL FTG.	709
TOTAL HRS. RUN	47 1/2
BIT CONDITION 1/8" T/B/GAGE	1/N
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	4 00		
WEIGHT	8.6		
VIS.-SEC.	28		
PV / YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

WATER LOST TO FORMATION. 300 BBLS

FOOTAGE

FROM	TO	ROT. HOURS	DR-D / RM-R / CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3660	3768	6 3/4	108			60	35	600		6"	110			

DEVIATION RECORD

DEPTH	DEVIATION °	DIRECTION	DEPTH	DEVIATION °	DIRECTION	DEPTH	DEVIATION °	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	4.45	3/4		DRILLING
4.45	5.30	3/4		DIRECTIONAL SURVEY. MISS-RUN. RIG SERVE
5.30	7.30	2		DRILLING.
7.30	8.15	3/4		DIRECTIONAL SURVEY.
8.15	12.00	3 3/4		DRLG.
		8		

DRILLER: A. Lwosiuk

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST

LOCATION: H-57 | PROVINCE: N. W. T.

OPERATOR: Shell Canada Limited | CONTRACTOR: GUSTAVSON | RIG NO.: 11

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature] | SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [signature]

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
3130'	3395'	265'		19	2	26	71

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4	14	E	2 7/8	5 1/4	4 F.H.	1	NATIONAL	8P80	85
6 3/8	101		2 7/8	6 3/4	5H90	2	NATIONAL	8P80	85

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9 5/8	36# K55	30	1006	1625	1003		

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	6	3 3/4		
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE		1/4		
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY	3/4			
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.	1/4			
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION	1	1/4		
23	10# Water		3 1/2		
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8		
	HOURS FOR SHELL ACCOUNT				
CONTRACTOR EQUIPMENT	BOILER #1	8	8		
	Boiler #2	8	8		

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT	I.D.	O.D.	FT.
1		8 3/4	2 7/8	6 3/4	3.96
1		8 3/4	2 7/8	6 3/4	8.51
1		8 3/4	2 7/8	6 3/4	4.10
1		8 3/4	2 7/8	6 3/4	14.75
1		7 7/8	2 7/8	6 3/4	2.10
			I.D.	O.D.	
21	DC	6 3/8	2 7/8	6 3/4	650.98
27	DP	STANDS			2512.03
	DP	SINGLES			
	KELLY DOWN				21.00
	TOTAL				3217.43
	WT. OF DC IN AIR				65M LBS.
	WT. OF STRING				94M LBS.

BIT RECORD

BIT NO.	5
SIZE	8 3/4
MFG.	SEC
TYPE	M88
JETS 1/32"	OPEN
SERIAL NO.	911895
DEPTH OUT	
DEPTH IN	3059
TOTAL FTG.	158
TOTAL HRS. RUN	10 1/4
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	12.00	4.00	
WEIGHT	8.6	8.6	
VIS.-SEC.	35	38	
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
SAWDUST	- 30 sks.		
FIBRE	- 1 sk.		
GEL	- 500 #		
CAUSTIC	- 50 lbs.		

MORNING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3130	3217	6	8 7			50/60	30-35	600		6	100	6		
					Lost 650 Bbls Water To Formation									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
3130	1 3/4		3190	1 1/2				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	12.45			DRILL
12.45	1.15			SURVEY CHECK B.O.P SER. RIG.
1.15	6.00			DRILL
6.00	6.30			SURVEY LOST 650 BBLS. WATER.
6.30	7.00			DRILL
7.00	8.00			LOST CIR. MIX SAWDUST + FIBRE GEL

DRILLER: J. Hunt

DAY TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3217	3280	3 3/4	6 3			50/60	35-40	560		6"	100			
					Lost Hyd. 630 Bbls To Formation of Water									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.15	1/4		Servi Rig & Checked B.O.P.
8.15	8.45	1/2		Mix Gel & Loss Circ Material
8.45	10.00	1 1/4		Drlg 8 3/4" Hole No Returns
10.00	11.00	1		W/o Water
11.00	11.30	1/2		Drlg
11.30	2.00	2 1/2		W/o water
2.00	4.00	2		Drlg 75% Returns

DRILLER: G. Johnson

EVENING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3280	3395	[illegible]				50/60	35	500		6"	100			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
3364'	Miss Run	3395						

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	5.00	1		DRILL 8 3/4 Hole
5.00	5.15	1/4		Rig Ser + B.O.Ps.
5.15	8.30	3 1/4		DRILL
8.30	9.15	3/4		Direct Survey @ 3364 Miss Run
9.15	11.30	2 1/4		Drill 8 3/4 Hole. Water Lost 264 Bbl.
11.30	12.00	1/2		Direct Survey @ 3395'

DRILLER: R. Mask

MUD RECORD

TIME	4.00	8.00	11.00
WEIGHT	8.6	8.6	8.6
VIS.-SEC.	28	28	28
PV/YP	/	/	/
GELS.			
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
WATER			

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST H-57

LOCATION: PROVINCE: N. W. T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

CONTRACTOR: GUSTAUSON

SIGNATURE OF CONTRACTOR'S TOOL PUSHER:

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
3059				18	2	25	71

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD
5	19	E	2 7/8	5 1/4	4 FH
3 1/2	10		2 7/8		5 H90

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	NATIONAL	8P80	8
2	NATIONAL	8P80	8

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9 5/8	36 # K55	30	1006	16.25	1003		

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL			4 1/4	
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS			2 3/4	
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE			3/4	
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST			1 1/4	
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD	6			
22	LOST CIRCULATION	2	8		
23	Break Circ.			1/4	
24	Handle Drill Str.			3/4	
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	
	HOURS FOR SHELL ACCOUNT				
CONTRACTOR EQUIP. RENTAL	BOILER	8	8	8	
	Boiler	8	8	8	

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
32		DP STANDS			FT.
2		DP SINGLES			FT.
		KELLY DOWN			FT.
		TOTAL			
		WT. OF DC IN AIR			
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ /
GELS.	/ /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
SALT MUD	4200 #		
WT. MAT	4800 lbs		
SAWDUST	70 sks.		
FIBRE	5 sks.		
LIME	500 lbs.		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R COR C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3059														

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	3.00	3		MIX MUD
3.00	5.00	2		PUMP DOWN SALT GEL PLUG 100 BBLS
5.00	8.00	3		MIX MUD CLEAN OUT PUMPS
				LOST PLUG + DISPLACE MUD 120 BBLS
OVERTIME 4				J. Cochrane J. Magnuson P. Tryptow
MIX MUD				5 4 DRILLER J. Hamel

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
		DP STANDS			FT.
		DP SINGLES			FT.
		KELLY DOWN			FT.
		TOTAL			FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ /
GELS.	/ /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
SALT GEL	18 Bags		
WT MAT	60 BAGS		
FIBRE	10 BAGS		
SAWDUST	60 BAGS		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
					Lost App 225 BBLs mud To Formation									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.15	1/4		Serv Rig & Checked BOP
8.15	8.45	1/2		Clean out Pumps
8.45	1.00	4 1/4		Mix Salt Gel Plug
1.00	2.45	1 3/4		Pump Down Plug & Displace same
2.45	3.15	1/2		Hook up Water Lines To mud Tanks
3.15	4.00	3/4		Hoist & layed Down 2 Singles

DRILLER E. Johnson

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
D C			2 1/2	6 1/4	650.98 FT.
MOW			X		147.5 FT.
STB			X		4.10 FT.
Shock			X		8.51 FT.
B.T.M.			X		3.96 FT.
XO			X		2.10 FT.
26		DP STANDS			241.20 FT.
		DP SINGLES			FT.
		KELLY DOWN			31 FT.
		TOTAL			1130 FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			95M LBS.

BIT RECORD

BIT NO.	5
SIZE	8 3/4
MFG.	SEC
TYPE	M88
JETS 1/32"	OPEN
SERIAL NO.	911935
DEPTH OUT	
DEPTH IN	3050
TOTAL FTG.	11
TOTAL HRS. RUN	4 1/4
BIT CONDITION 1/8" T/B/GAGE	RUN
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	11.00
WEIGHT	8.6
VIS.-SEC.	35
PV/YP	/ /
GELS.	/ /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	900 #		
CAUSTIC	15 #		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3059	3630	4 1/4				50	45/50	50		6 1/2	100	6 1/2		

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	4.15	1/4		Rig Ser & BOPs.
4.15	5.00	3/4		Pick up Monel, Chng STB in Drill String
5.00	6.15	1 1/4		Run in Drill Collars Slip & Cut Dline.
6.15	7.30	1 1/4		Run in. W/Bit # 5.
7.30	7.45	1/4		Circ on B.T.M.
7.45	12.00	4 1/4		Drill 8 3/4 Hole.

DRILLER

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST H-57

LOCATION: PROVINCE: N. W. T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Ken Crawford

CONTRACTOR: GUSTAVSON

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: John Finch

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
3059'				17	2	24	71

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD
4"	14	E	2 7/8	5 1/4	4 F.H.
6 3/4	101		2 7/8	6 3/4	5 H90

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	NATIONAL	8P80	8"
2	NATIONAL	8P80	8"

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9 5/8	36# K55	30	1006	16.25	1003		

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS	1/4			
7	RIG SERVICE		1/4	1/4	
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT	7/4			
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION	1/2	7 3/4	7 3/4	
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	
	HOURS FOR SHELL ACCOUNT				

INTERMITTENT OPERATION

	BOILER	8	8
	Boiler	8	8

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
		DP STANDS			FT.
		DP SINGLES			FT.
		KELLY DOWN			FT.
		TOTAL			FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ / /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
SAWDUST	50 sks		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3059'														

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	7.15			W. O. C. MIX MUD
7.15	7.45			FILL ANULUS (15 BBLS. HOLE STAYED FULL
7.45	8.00			RUN IN
				HELD BLOWOUT DRILL

DRILLER: J. Hovish

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
1			2 1/2	4 3/4	398'
1			2 1/2	4 3/4	2.40
			X		FT.
			X		FT.
			X		FT.
			X		FT.
9			2 7/8	4 3/4	2390.00
23		DP STANDS			2139.00
		DP SINGLES			FT.
		KELLY DOWN			FT.
		TOTAL			2447.08 FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ / /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
BICARB-1 BAG			

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
					Loss 200 BBLS To Formation									
					4 Hrs Overtime H. Ferrall									
					5 Hrs Overtime E. Johnson, C. Greff									

→ mixing salt Gel & loss circ mat.

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.15	1/4		Serv Rig & tshecked B.O.P
8.15				Run in Slow w/ 9 D.C. Plugged Bit Hoist & unplug Bit. Run in & Circ @ 5 Stand Intervels &
	3.30	7 1/4		Clean out Cement Stringers To 3023' (OM RATHOLE)
3.30	4.00	1/2		Hoist 7 Stands

DRILLER: E. Johnson

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
		DP STANDS			FT.
		DP SINGLES			FT.
		KELLY DOWN			FT.
		TOTAL			FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ / /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	2000#	FIBREXSSKS	
SALT MUD	6000#		
WEIGHT MTL	4000#		
LIME	300#		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
					Lost 200 Bbls. Mud To Formation									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	4.15	1/4		Rig Serv & B.O.P's.
4.15	7.15	3.		Run 2 3/8" T.B. & Circ Mud in Hole.
7.15	8.00	3/4		Hoist.
8.00	9.00	1.		Run in Open End To Run Plug.
9.00	12.00	3.		Mix Salt Gel Plug in Tank.

DRILLER: M. Bell

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST H-57

LOCATION: PROVINCE: N. W. T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

CONTRACTOR: GUSTAUSON

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [signature]

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DATE DAY	DATE YEAR
3059				16	2	23	71

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4	14	E	2 7/8	5 1/4	4 F.H.	1	NATIONAL	8P80	8 1/2
6 5/8	10.4		2 7/8	6 3/4	5H90	2	NATIONAL	8P80	8 1/2

LAST CASING TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
9 5/8	36# K55	30	1006	16.25	1003	5	

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION				
23	Oil #1 BBL Water #41				
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS		8		
	HOURS FOR SHELL ACCOUNT				
CONTRACTOR EQUIP. RENTAL	BOILER #1		8		
	Boiler #2		8		

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
32		DP STANDS			FT.
2		DP SINGLES			FT.
		KELLY DOWN			FT.
		TOTAL			FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VIS.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
CAUSTIC -	100 lbs.		
BICARB -	400 lbs.		
GEL -	250 lbs.		
SAWDUST -	400 lbs.		
REDWOOD FIBER -	4 bbls.		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3059					Plug # 10 P.P.E Hung @ 3040'									
	17 BBLS		Diesel	35	Gel 40 Cement.									Displaced W/32 BBLS Mud.

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	12.30			PULL OUT 11 STDS
12.30	4.00			W. O. C. MIX MUD
4.00	4.15			FILL ANULUS (20 BBLS. DID NOT HOLD
4.15	5.00			RUN IN 11 STDS.
5.00	7.00			FILL CEMENTING UNIT WITH DIESEL TO RUN PLUG
7.00	8.00			RUN PLUG 35 BBLS DIESEL 40 SK GEL
				35 SK. CEMENT

DRILLER: J. Hurd

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
32		DP STANDS			2976.00 FT.
		DP SINGLES			FT.
		KELLY DOWN			FT.
		TOTAL			FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VIS.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Gel	28 Bags		
Bicarb	4 Bags		
Loss	App 40 BBLs Mud To Formation		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
					Plug #11 45 Bags Gel 22 Bags Cement									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
800	900	1		Displace Plug & Hoist 8 Stands
900	915	1/4		Serv Rig & Checked B.O.P
915	1100	1 3/4		Run in & Layed Down 2 Singles.
1100	1145	3/4		Mix & Displace Diesel Plug
1145				Hoist 31 Stds. Circ & Run in 10 Stands & Circ Bottoms up.
				Circ To Top of Plug @ 5-3-24 Stand
	400	4 1/4		

DRILLER: E. Johnson

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
		DP STANDS			FT.
		DP SINGLES			FT.
		KELLY DOWN			FT.
		TOTAL			FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VIS.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	56.00		
FIBRE	10 SXS.		
SAWDUST	35 SXS.		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3059					Plug #12 11 Bags Gel 155 Bags Cement									
		1 1/2 hr.			Over Time for S. Websdale									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
	3 hr. Overtime For		B. Russell					

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
400	415	1/4		Rig Ser. & Bops.
415	600	1 3/4		Run in 98' To Loss Zone. Mix Mud.
600	730	1 1/2		Rig To Run Plug & Run Plug.
730	815	3/4		Hoist Slow.
815	1200	3 3/4		W.O.C. Mix Mud & Loss Circ Mat.

DRILLER: [illegible]

CP-3a (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Artic Tree River East H-57

LOCATION: | PROVINCE: N.W.T

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown

CONTRACTOR: Gustavson

SIGNATURE OF CONTRACTOR'S TOOL PUSHER:

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
3059	3059			15	2	22	71

DP./ DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4½"	16.6	E	3 7/8	5"	4FH		NaT	8P80	8½"
6¼"	24#		2 7/8		5 H90		Nat.	8P80	8½"

LAST CASING TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS	1½	1¾	3¼	6½
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION	6½	6¾	7¼	20
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24

CONTRACTOR'S REPORT: Boiler #1 8 8 8 | Boiler #2 8 8 8 | Code 232 b.

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY NO. | CODE AT END OF TOUR

BIT		FT.
1	6 S I.D. X O.D.	398
	I.D. X O.D.	FT.
	I.D. X O.D.	FT.
	I.D. X O.D.	FT.
	I.D. X O.D.	FT.
9	9 C 10.7 X 10.7	379
	I.D. X O.D.	FT.
28	DP STANDS	FT.
	DP SINGLES	FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF DC IN AIR		LBS.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	4
SIZE	8¾
MFG.	SEC
TYPE	H7G
JETS 1/32"	CHT OUT
SERIAL NO.	908157
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ / /
GELS.	/ / /
W.L.-C.C.	/ / /
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	5500 #		
CAUSTIC	100 #		
SAWDUST	30 SK		

DRILLING ASSEMBLY NO. | CODE AT END OF TOUR

BIT		FT.
	I.D. X O.D.	FT.
	I.D. X O.D.	FT.
	I.D. X O.D.	FT.
	I.D. X O.D.	FT.
	I.D. X O.D.	FT.
	I.D. X O.D.	FT.
32½	DP STANDS	FT.
	DP SINGLES	3040.68 FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF DC IN AIR		LBS.
WT. OF STRING	40M	LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ / /
GELS.	/ / /
W.L.-C.C.	/ / /
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Bi-Cards	200 lbs		
Gel	2500 #		
Saw Dust	20 Bags		
Fibre-T	Bags		
Caustic	100 #		

DRILLING ASSEMBLY NO. | CODE AT END OF TOUR

BIT		FT.
	I.D. X O.D.	FT.
	I.D. X O.D.	FT.
	I.D. X O.D.	FT.
	I.D. X O.D.	FT.
	I.D. X O.D.	FT.
	I.D. X O.D.	FT.
4hr. Overtime - B. Wood, C. Lewis, D. Sieben		
S. Webdale	DP STANDS	3½hr. Overtime - B. Russell FT.
	DP SINGLES	FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF DC IN AIR		LBS.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	Plug # 9
MFG.	Mixed 9.5
TYPE	2 SAKS Poly SEAL
JETS 1/32"	w/ 2% CaCl2
SERIAL NO.	Displaced w/ 28
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	PIPE SET 3010'
VIS.-SEC.	SAKS Portland Cement
PV/YP	8 SAKS GEL
GELS.	CHLORIDE.
W.L.-C.C.	BBLS GEL mud.
PH	
% SOLIDS	
% SAND	11

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Gel	5-400 #.		

MORNING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3059														

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	1.00			CLEAN OUT PUMP & PUMP DOWN PIPE & ANNULUS
1.00	1.45			PULL OUT
1.45	2.15			PUMP HEAVY MUD OUT OF PIPE
2.15	3.00			FINISH OUT
3.00	5.00			RUN IN SLOW
5.00	8.00			MIX MUD.

DRILLER: L. Howick

DAY TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
		Loss	Approx 360 BBLs mud To Formation											
			L. Lunde & H. Haydon											
		5 Hrs.	Overtime - [redacted] & [redacted] mixing last Circ mats											

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.15	¼		Serv Rig & checked B.O.P
8.15	9.45	1½		Mix Gel & loss Circ material
9.45	10.30	¾		Cleaned out To 3005' & loss Circ.
10.30	12.00	1½		Build Volume & mix loss circ material.
12.00	1.30	1½		Circ & Cleaned out To 3059'
1.30	3.15	1¾		Hoist Bit & Run in Open Ended.
3.15	4.00	¾		Rig up To Run Cement Plugs

DRILLER: E. Johnson

EVENING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
					Plug #8 Pipe set @ 3010'									
			17 BBLS		Diesel 37 SAKS Portland Cement 3% Gel. 1 Poly Seal									
			Displaced w/ 32 BBLS Gel mud.											

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00.	4.30.	½.		Mix Gel. To Run Plug & Ric Ser.
4.30	5.30	1.		Ric To Run & Run Plug.
5.30	7.30.	2.		Hoist - 5 Stands. W.O.C.
7.30.	8.15.	¾.		Hoist 23 Stands. Con Mud.
8.15.	8.45.	½.		Run in To Run Plug.
8.45.	11.45.	3.		Ric To Run Plug. & Run Plug.
11.45.	12.00.	¼.		Hoist -

DRILLER: [illegible]

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST

LOCATION: H-57

PROVINCE: N. W. T

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown

CONTRACTOR: GUSTAUSON

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack McLeod

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
3059'				14	2	11	71

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4"	14	E	2 7/8	5 1/4	4 F.H.	1	NATIONAL	8P80	8 1/2
6 1/2"	10#		2 7/8	6 3/4	5 H90	2	NATIONAL	8P80	8 1/2

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9 5/8	36# K55	30	1006	16.25	1003	512	

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION	8	8	8.24	
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45	.				
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8.24	
	HOURS FOR SHELL ACCOUNT	8	8	8 24	
CONTRACTOR EQUIP. RENTAL	BOILER #1	8	8	8	
	Boiler #2	8	8	8.	
	Code 2324				

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
32		DP STANDS			FT.
1		DP SINGLES			FT.
		KELLY DOWN			FT.
		TOTAL			FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			40M LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	LOST 150
VIS.-SEC.	BAS. Mud
PV/YP	/ /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
CEMENT	74 Sks.		
GEL	5300#		
DIESEL FUEL	50 BBLS.		
SAWDUST	439 SAXS		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3059					PIPE SET @ 3009'									
					Plug #5 - 12 BBLS Diesel 39 Portland Cement 18 Gel									
					Plug #6 - 17 BBLS Diesel 35 Portland Cement 35 Gel									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

MORNING TOUR

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	1.00			FINISH IN OPEN END
1.00	2.00			HOOK UP CEMENTING UNITS
2.00	3.30			RUN PLUG #5
3.30	5.00			FILL CEMENTING UNIT W/ DIESEL CLEAN OUT PUMP
5.00	6.00			RUN PLUG #6
6.00				FILL CEMENTING UNIT W/ DIESEL PUMP
	8.00			DIESEL TO RIG

DRILLER: J. Hamil

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
		DP STANDS			FT.
		DP SINGLES			FT.
		KELLY DOWN			FT.
		TOTAL			FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	7500#		
FIBRE	10 BAGS		
SAWDUST	75 BAGS		
NUTSHELL	61 SXS.		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3059'					4 HRS overtime For C. Greff & Hi Forrall mixing loss Circ Mat.									
					2 Hrs Overtime For B. Russell									
Plug #7					- 17 BBLS Diesel 41 SAXS Gel 11 SAXS Portland Cement.									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

DAY TOUR

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.15	1/4		Serv Rig & checked B.O.P's
8.15	9.00	3/4		Thaw out lines to Cementing Unit.
9.00	10.30	1 1/2		Mix & Displace Plug #7
10.30	11.00	1/2		Hoist 3 Stands & w.o.o.
11.00	12.00	1		Trip out
12.00	4.00	4		Mix Gel & Loss Circ Material.

DRILLER: E. Johnson

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
		DP STANDS			FT.
		DP SINGLES			FT.
		KELLY DOWN			FT.
		TOTAL			FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
SAWDUST	150	SXS.	
FIBER	47	SXS.	
JETSHELL	12	SXS.	
NUTSHELL	59	SXS.	

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3059					Lost 300 BBLS Mud To Formation.									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

EVENING TOUR

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00.	4.15.	1/4.		Rig Gear Down
4.15.	7.45.	3.		Mix Loss Circ Mat. & Pump Down Hole.
7.45.	7.45	1/2		Run in 15 Stands
7.45.	8.00.	1/4.		Pump Down P.P's.
8.00	8.15.	1/4		Pump Down Casing.
8.15		-		Finish in & Pump Down.
	12.00.	3 3/4.		Loss Circ Mat

DRILLER: [illegible]

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST

LOCATION: H-57 | PROVINCE: N. W. T.

OPERATOR: Shell Canada Limited | CONTRACTOR: GUSTAVSON | RIG NO.: 11

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown | SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack McLeod

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
3038				13	2	20	71

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4"	14.	E	2 7/8	5 1/4	4 F.H.	1	NATIONAL	8P80	8 1/2
4 3/4	101		2 7/8	6 3/4	5 H90	2	NATIONAL	8P80	8 1/2

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9 5/8	36# K55	30	1006	1625	1003	512	

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL		2 1/4		2 1/4
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING			1/2	1/2
6	TRIPS	5	3 9/20 1/2		7 1/2
7	RIG SERVICE		1/4		
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD			5 1/2	5 1/2
22	LOST CIRCULATION	3	5	1/4	8 1/4
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS				
	HOURS FOR SHELL ACCOUNT	8	8	8	24
CONTRACTOR EQUIP RENTAL	BOILER	8	8	8	24
	Boiler	8	8	8	24

Code 232 b.

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT	I.D.	O.D.	FT.
1		8.5	J 7/8	6 1/4	3.98
1		8 1/2	J 7/8	6 1/4	7.10
1		8 1/2	J 7/8	6 1/4	9.50

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST H-57

LOCATION: | PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown

CONTRACTOR: GUSTAVSON DRILLING | RIG NO.: 11

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack McLeod

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
3023	3038	15'		12	3	19	1971

	DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
	4"	14	E	2	5 1/4	4" F.H	1	NAT	8-P-80	8 1/2
	(3 1/2"	13.3)		2 1/4	6 3/4	5-H-90	2	NAT.	8-P-80	8 1/2

	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
LAST CASING TUBING OR LINER	9 5/8	36# K55	30	1006	1625	1003	512	

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL			5 1/2	5 1/2
3	REAMING			1/2	1/2
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING		1		1
6	TRIPS		2 1/2	3 1/2	6
7	RIG SERVICE		1/4		1/4
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE		1/2		1/2
10	DEVIATION SURVEY				
11	WIRE LINE LOG			LOST	
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT		2		
14	NIPPLE UP B.O.P.		4		
15	TEST B.O.P.				
16	DRILL STEM TEST		HRS.		
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD		3/4		3/4
22	LOST CIRCULATION	8		4	12
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
CONTRACTOR	BOILER #1	8	8	8	
CONTRACTOR	Boiler #2	8	8	8	
CONTRACTOR	Code	2	32	1/2	

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.		FT.
		BIT				
1		BS	2 1/4	6 3/4		3.98
1		SS	2	6 3/4		8.50
1		DM	3 1/4	6 3/4		14.82
1		S-L	2 3/4	6 3/4		4.10
1		CO	2 1/8	6 3/4		2.10
			I.D.	O.D.		
			X			
91		DC	2 1/8	6 3/4		650.98
		DP	STANDS			FT.
		DP	SINGLES			FT.
		KELLY DOWN				FT.
		TOTAL				FT.
		WT. OF DC IN AIR				LBS.
		WT. OF STRING				LBS.

BIT RECORD

BIT NO.	3
SIZE	8 3/4
MFG.	H-W
TYPE	XDV
JETS 1/32"	OPEN
SERIAL NO.	21498
DEPTH OUT	
DEPTH IN	3023
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	3.30
WEIGHT	
VIS.-SEC.	48
PV/YP	/ / /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	5700#		

80 bbls LOST To FORMATION

MORNING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3023														

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	1.00	1		RIG SERV. GREASE SWIVEL & MIX MUD
1.00	3.30	2 1/2		TRIP OUT. STAND COLLARS BACK
				RUN IN 30 STDS. TO RUN PLUG #4.
3.30	5.00	1 1/2		RIG UP HALIBURTON UNITS. & PUMP DIESEL TO UNIT.
5.00	8.00	3		CIRC. TO BOTTOM & TRIP OUT.
		8		HRS OVERTIME MIX LOST CIRS. MAT.

L. Scott R. Berg L. Brazel.

DRILLER: A. Lavrinik

DAY TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3023					LOST 120 BBLS MUD.					6		6		

J. Magnuson E. Hawrysiuk P. Traptow 1 HR. MIX LOSS CIRCULATION MATERIAL

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.15	1/4		CHECK B.O.P. SER RIG.
8.15	8.45	1/2		RUN IN D.C.S
8.45	9.15	1/2		SLIP DRLG LINE LOST MUD 10' OFF BTM.
9.15	11.15	2		RUN IN SLOW BREAK CIR. 20 STDS IN.
11.15	12.45	1 1/2		MIX MUD. LOST CIR MATERIAL
12.45	1.45	1		PUMP DOWN LOSS MATERIAL
1.45	4.00	2 1/2		MIX MUD LOST CIR MATERIAL

DRILLER: J. Honish

EVENING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3023	3038	1/2	15'			50	35	500		6"	80			

4 Hrs Overtime For A. Lundie H. Haydon 5 Hrs. overtime For C. Graff mixing Lost Hole. 360 BBLS mud To Formation Lost Circ material

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	6.00	2		Mix Loss Circ material.
6.00	8.00	2		Hoist Plugged Bit
8.00	9.30	1 1/2		Checked BOPS & Blind Rams Cleanout Bit Sub. Stood Back monel & Shock Sub & Run in
9.30	10.30	1		Mix Loss Circ Material.
10.30	11.00	1/2		Drlg
11.00	12.00	1		Build Volume & mix lost Circ Mat.

DRILLER: E. Johnson

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.		FT.
		BIT				
1		BS	2 1/4	6 3/4		3.18
1		SS	2	6 3/4		9.50
1		DM	3 1/4	6 3/4		14.82
1		S-L	2 3/4	6 3/4		4.50
1		CO	2 1/8	6 3/4		2.10
			I.D.	O.D.		
			X			
12		DC	2 1/8	6 3/4		372.48
28		DP	STANDS			FT.
		DP	SINGLES			FT.
		KELLY DOWN			12.00	FT.
		TOTAL				FT.
		WT. OF DC IN AIR			35M	LBS.
		WT. OF STRING			70M	LBS.

BIT RECORD

BIT NO.	3
SIZE	8 3/4
MFG.	H-W
TYPE	XDV
JETS 1/32"	OPEN
SERIAL NO.	21498
DEPTH OUT	
DEPTH IN	3023
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	90
VIS.-SEC.	60
PV/YP	/ / /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	4200#	NUT SHELL	240#
CAUSTIC-100#			
REDWOOD FIBRA-1100#			
SAWDUST - 150 sks.			
WALNUT PLUG-150 lbs.			

BIT NO.	3
SIZE	8 3/4
MFG.	H-W
TYPE	XDV
JETS 1/32"	Open
SERIAL NO.	21498
DEPTH OUT	
DEPTH IN	3023
TOTAL FTG.	15'
TOTAL HRS. RUN	1/2
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	5100#		
SAWDUST - 40 BAG.			
FIBRE-15 BAG.			
NUTSHELL-37 BAG			

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST H-57

LOCATION: PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown

CONTRACTOR: GUSTAVSON DRILLING

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack McLeod

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
3023	3023 No. 2			16	2	18	1971

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4½	14	E	2	5¼	4" F.H.	1	NAT	8-P80	8½
6¾	101		2¾	6¾	5-H90	2	NAT.	8-P80	8½

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9⅝	36# K55	30	1006	16.25	1003	512	

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS	3			3
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD & CIRC. LOST CIRCULATION	3			3
22			8	8	16
23	DISPLACE	2			2
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
SOUTH REGIONAL CONTRACTOR	BOILER #1	8	8	8	
	BOILER #2	8	8	8	

Code 232

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT / DP / DC	I.D.	O.D.	FT.
		BIT			FT.
1		BS	2⅞	6¾	3.98 FT.
1		SS	2	6¾	8.50
1		DM	3⅜	6¾	14.82 FT.
1		SJ	2¾	6¾	4.10 FT.
1		C.O.	2¼	6¾	2.10 FT.
		X	I.D.	O.D.	FT.
21	DP		3	6¾	650.98 FT.
	DP	STANDS			FT.
	DP	SINGLES			FT.
		KELLY DOWN			FT.
		TOTAL			FT.
		WT. OF DC IN AIR			65 LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	3
SIZE	8¾
MFG.	H-W
TYPE	XDV
JETS 1/32"	OPEN
SERIAL NO.	21428
DEPTH OUT	
DEPTH IN	3023
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	7.30		
WEIGHT			
VIS.-SEC.	60		
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	5400 lbs.		
SAWDUST	50 sks.		
FIBRE	25 sks		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3023														

PLUG #3 - 10 Bbls DIESEL FUEL AHEAD OF PLUG - PLUG - 17 Bbls DIESEL FUEL - 40 sks. GEL + 40 sks CEMENT) DISPLACED WITH 38 Bbls DIESEL AND 2 Bbls MUD.

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
19.00	2.00	2		PUMP DOWN PLUG #3. + DISPLACE SAME.
2.00	5.00	3.		TRIP OUT + RUN IN.
5.00	8.00	3		MIX SAWDUST + FIBRE CONT MUD + CIRC.
		8		CHECK BLIND + PIPE RAMS. + HYDRIL.
				LOST 60 BBLS MUD TO FORMATION

DRILLER: J. Edwards

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT / DP / DC	I.D.	O.D.	FT.
		BIT			FT.
1		BS	2⅞	6¾	3.98
1		SS	2	6¾	8.50
1		DM	3⅜	6¾	14.82
1		SJ	2¾	6¾	4.10
1		C.O.	2¼	6¾	2.10
		X	I.D.	O.D.	FT.
21	DP		3	6¾	650.98
15	DP	STANDS			1394.40 FT.
	DP	SINGLES			FT.
		KELLY DOWN			42.60 FT.
		TOTAL			2130.88
		WT. OF DC IN AIR			65m LBS.
		WT. OF STRING			80m LBS.

BIT RECORD

BIT NO.	3
SIZE	8¾
MFG.	H.W
TYPE	XDV
JETS 1/32"	OPEN
SERIAL NO.	21428
DEPTH OUT	
DEPTH IN	3023
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	8.00		
WEIGHT	9.		
VIS.-SEC.	60		
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	1500#		
SUSDUST	6 BAGS.		
FIBRE	3 BAG.		
BICAR	400#		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3023														

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
9.00	8.15			(D. Goodwin 2 hrs Overtime) CHECK B.O.P. SER. RIG.
8.15	9.45			CIR. CON MUD 5 STDS OFF BOTTOM @ 2558
9.45	10.60			RUN IN 2 STDS 2 SINGLES
10.60				PRESSURE BUILD UP COULD NOT CIR.
	12.00			PULL OUT SLOW TO O.C.
12.00	1.15			CIR. CON. MUD.
1.15	4.00			RUN IN TO 2866

DRILLER

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT / DP / DC	I.D.	O.D.	FT.
		BIT			FT.
1		BS	2⅞	6¾	3.98
1		SS	2"	6¾	8.50
1		DM	3⅜	6¾	14.82
1		SJ	2¾	6¾	4.10
1		C.O.	2¼	6¾	2.10
		X	I.D.	O.D.	FT.
21	DC		2¼	6¾	650.98
15	DP	STANDS			1394.40 FT.
	DP	SINGLES			FT.
		KELLY DOWN			FT.
		TOTAL			
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	3
SIZE	8¾
MFG.	H.W
TYPE	XDV
JETS 1/32"	OPEN
SERIAL NO.	21428
DEPTH OUT	
DEPTH IN	3023
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VIS.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3023	—				BROKE CIR. 10 STDS IN + EVERY 3 STDS AFTER.									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

Loss Approx 320 BBLS mud To Formation

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00				Circ & Cleaned out To 2998' Loss 4" mud To Formation. Hoist Slow To D.C.s Hole Swabbing Regained Circ. Run in & Broke Circ @ 5 Stand Intervals To 2130 (Lost 1 Ft mud To Formation
	11.00	7		Mix Gel & Loss Circ Mat.
11.00	12.00	1		LOST 320 BBLS To Formation

DRILLER: L. Johnson

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST. H-57

LOCATION: PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown

CONTRACTOR: GUSTAVSON DRILLING

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack M Lind

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
3023 3.0H	3023			10	2	17	1971

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD
4	14	E	2	5 1/4	4" F.H.
6 1/4	101		2 3/4		5-H-90

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	NAT	8-P80	8 1/2
2	NAT.	8-P80	8 1/2

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9 5/8	36# K-55	30	1006	16.25	1003	513	

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS	1			1
21	CONDITION MUD	1			1
22	LOST CIRCULATION	6	8	8	22
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
CONTRACTOR EQUIPMENT	BOILER #1	8		8	
	BOILER #2	8		8	
	CODE 232				

HOLE CONDITION

1	HOLE DRAG (1000#)
2	TORQUE ON BOTTOM (DP TURNS)
3	FILL ON BOTTOM (FEET)

DRILLING ASSEMBLY NO. / CODE AT END OF TOUR

	BIT			FT.
1	8 5/8	6 3/4	3.98	FT.
1	SS 2	6 3/4	8.50	
1	DBB 3	6 3/4	14.82	FT.
1	S123 11	6 3/4	41.0	FT.
1	60-23 11	6 3/4	2.10	FT.
		X		FT.
21	DC 2 1/2	6 3/4	650.98	FT.
	DP STANDS			FT.
	DP SINGLES			FT.
	KELLY DOWN			FT.
	TOTAL			FT.
	WT. OF DC IN AIR			LBS.
	WT. OF STRING			LBS.

BIT RECORD

BIT NO.	2
SIZE	8 3/4
MFG.	HW
TYPE	J-44
JETS 1/32"	
SERIAL NO.	DT561
DEPTH OUT	
DEPTH IN	2312
TOTAL FTG.	699
TOTAL HRS. RUN	28 1/2
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	
GELS.	
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Lignosol	2500 lbs.		
Sodium Bichromate	350 lbs.		
Defoam	1-8 gal.		
Sawdust	85 Sx.	Gel	1800#
Caustic	50#		

MORNING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3023	3023				LOST 300 BBLS MUD TO FORMATION.									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	3.00	3		MIX LOST CIRC. MAT. + PUMP DOWN SAME.
3.00				HOOK UP HALIBURTON UNITS. TO PUMP
	5.00	2		LIGNOSOL DOWN.
5.00	6.30	1 1/2		MIX + PUMP PLUG DOWN.
6.30	7.00	1/2		DISPLACE MUD IN PIPE.
7.00	8.00	1		TRIP OUT.

PLUG #1 - 9 Bbls. Water - 2500 lbs. Lignosol & 350 lbs. Sodium Bichromate Displaced With 30 Bbls. Mud.

DRILLER: A. Lysiuk

DAY TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-P CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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 HRS overtime J. Magnuson & E. Hennexbickler Help To Run Cement Plug #2									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	9.00			PULL OUT
9.00	11.30			MIX MUD
11.30	1.00			RUN IN (NO PLUG)
1.00				PUMP DOWN MUD (RETURNS TO SURFACE
				LOST 70 BBLS.) PLUS
	4.00			HAUL CEMENT WARM UP CEMENTING UNITS

DRILLER: J. Homick

EVENING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
					Plug #2 - 10 BBLS Deisel Fuel ahead of Plug - 17 BBLS Fuel for Plug Displaced w/ 3 BBLS Deisel Fuel - 40 Bags Gel 55 Bags Cement And 24 BBLS Mud									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00				HOOK UP LINES TO CEMENTING UNITS
	8.00	4		MIX & DISPLACE PLUG & HAIST 6 STANDS
8.00	10.00	2		MIX GEL & BUILD VOLUME
10.00				RUN IN 5 STANDS & RIG UP CEMENTING UNIT.
	11.30	1 1/2		THAW OUT LINES
11.30	12.00	1/2		MIX PLUG #3

DRILLER: E. Johnson

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST H-57

LOCATION: PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown

CONTRACTOR: GUSTAVSON DRILLING

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Earl McLeod

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
3011 Correction	3023			9	2	16	71

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD
4	14	E	2	5 1/4	4" F.H.
6 1/4	101		2 1/4	6 3/4	5-H-90

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	NAT	8-P-80	8 1/2
2	NAT	8-P-80	8 1/2

LAST CASING TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
9 5/8	36# K55	30	1006	16.25	1003	512	

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION	7	8	8	23
23	PUMP DOWN LOST CIRC. MAT.	1			1
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
EQUIP. RENTAL CONTRACTOR	BOILER #1	8	8	8	24
	BOILER #2	8	8	8	24

Code 232

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY — AT END OF TOUR

NO.	CODE		I.D.	O.D.		FT.
		BIT				
1		8 5/8				3.98
1		SS 2		6 3/4		8.50 FT.
1		DM3		6 3/4		14.82 FT.
1		S10		6 3/4		2.10 FT.
1		CO		6 3/4		2.10 FT.
			X			FT.
21		DC		6 3/4		650.98 FT.
24	DP	STANDS				FT.
2	DP	SINGLES				2314.76 FT.
		KELLY DOWN				12.00 FT.
		TOTAL				3011.64 FT.
		WT. OF DC IN AIR				65 LBS.
		WT. OF STRING				98. LBS.

BIT RECORD

BIT NO.	2
SIZE	8 3/4
MFG.	HW
TYPE	J44
JETS 1/32"	
SERIAL NO.	DJ561
DEPTH OUT	
DEPTH IN	2312
TOTAL FTG.	699
TOTAL HRS. RUN	28 1/2
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	
GELS	
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	5500		
WITSHELL	48 SAX		
CELLO	10 SAX		
RED FIBRE	18 "		
SAWDUST	175 "		

MORNING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	7.00	7		PULL OUT TO REMOVE BIT.
				RUN IN OPEN END & MIX LOST CIRC. MATERIAL.
7.00	8.00	1/8		PUMP LOST CIRC. MATERIAL.
				LOST 250 BBLS Mud TO FORMATION
		5 HRS		OVERTIME. MIX MUD & LOST CIRC. MAT.
				L. SCOTT. R. BERG. L. BRAZEL.

DRILLER: A. Ivasuk

DAY TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00				PUMP DOWN LOST CIR. MATERIAL
				MIX MUD
	4.00			CLEAN OUT PUMPS.
				LOST 200 BBLS Mud TO FORMATION

5 Hrs Overtime mixing Lost Circ Mat. } 2 Hrs-D-GOODWIN
J. Cushman J. Magnuson P. Trepton } START-HALIBURTON-UNITS

DRILLER: J. Hamil

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	
GELS.	
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

SAWDUST - 20 Lbs.

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL -	5300 #		
REDWOOD FIBER	350#		
CAUSTIC	- 100 #		
WALNUT PLUG	1000#		

EVENING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
3023	—				STrap 2327.17 — 3023'									
					Tally 2314.76 — 3011'									
					12.41 DIFF Correction mode.									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00				~~& Stripped pipe~~
				Hoist Layed Down Shock sub & Marked DC.
	8.30	4 1/2		Run in w/ Open End pipe & Picked up
				15 Singles
8.30	11.30	3		Mix Gel & Loss Circ mat.
11.30	12.00	1/2		Pumping Down Loss Circ plug.
		7 1/2		

DRILLER: E. Johnson

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	
GELS.	
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Sawdust	135 Bags		
Gel	60 Bags		
Fiber	32 "	Caustic	100 #
Polyseal	5 "		

DRILLING ASSEMBLY — AT END OF TOUR

NO.	CODE		I.D.	O.D.		FT.
		BIT				
1		8 5/8	2	6 3/4		3.98 FT.
1		SS 2		6 3/4		8.50 FT.
1		DM	3	6 3/4		14.82 FT.
1		S10	2	6 3/4		2.10 FT.
1		CO	2	6 3/4		2.10 FT.
			X			FT.
21		DC	2	6 3/4		650.98 FT.
22	DP	STANDS				FT.
2	DP	SINGLES				2128.97 FT.
		KELLY DOWN				FT.
		TOTAL				FT.
		WT. OF DC IN AIR				LBS.
		WT. OF STRING				LBS.

DRILLING ASSEMBLY — AT END OF TOUR

NO.	CODE		I.D.	O.D.		FT.
		BIT				
1		8 5/8	2	6 3/4		3.98 FT.
1		SS 2		6 3/4		8.50 FT.
1		DM	3	6 3/4		14.82 FT.
1		S10	2	6 3/4		2.10 FT.
1		CO	2	6 3/4		2.10 FT.
			X			FT.
21		DC	2	6 3/4		650.98 FT.
22	DP	STANDS				FT.
2	DP	SINGLES				2128.97 FT.
		KELLY DOWN				FT.
		TOTAL				FT.
		WT. OF DC IN AIR				LBS.
		WT. OF STRING				LBS.

DRILLING ASSEMBLY — AT END OF TOUR

NO.	CODE		I.D.	O.D.		FT.
		BIT				
			X			FT.
			X			FT.
			X			FT.
			X			FT.
			X			FT.
			X			FT.
30	DP	STANDS				2792.21 FT.
	DP	SINGLES				FT.
		KELLY DOWN				43.00 FT.
		TOTAL				2835.21 FT.
		WT. OF DC IN AIR				LBS.
		WT. OF STRING				LBS.

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME

LOCATION: SHELL TREE RIVER. EAST. H-57

PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D. Brown

CONTRACTOR: GUSTAVSON DRILLING

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M. Sovinto

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
2761				7	2	15	1971

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD
4	14	E	2	5 1/4	4" F.H.
6 3/4	101		2 3/4	6 3/4	5 H.90

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	NAT	8-P-80	8 1/2
2	NAT.	8-P-80	8 1/2

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9 5/8	36# K-55	30	1006	16.25	1003	512	

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	7 1/2	3 3/4		11 1/4
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS		3 1/4		3 1/4
7	RIG SERVICE	1/4			1/4
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY	1/4			1/4
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.		1/4		1/4
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION				
22	CIRCULATION		4	3 3/4	7 3/4
23	Circ			1	1
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
CONTRACTOR RENTAL	BOILER #1	8	8	8	
	BOILER 2	8	8	8	

Code 232 B. 21

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT / DP / STANDS / SINGLES	I.D.	O.D.	FT.
1		BS 8 3/4 x 6 3/4			3.98 FT.
1		DM 8 3/4 x 6 3/4			14.82 FT.
1		SS	2	6 3/4	8.50 FT.
1		CO 8 3/4 x 6 3/4			2.10 FT.
1		SI	2 3/4	6 3/4	4.10 FT.
		X			FT.
21		DC 8 x 6 3/4			650.98 FT.
23		DP STANDS			FT.
1		DP SINGLES			219088 FT.
		KELLY JOHN			25. FT.
		TOTAL			2900.88 FT.
		WT. OF DC IN AIR			65 LBS.
		WT. OF STRING			93 LBS.

BIT RECORD

BIT NO.	2
SIZE	8 3/4
MFG.	HUGHES
TYPE	J44
JETS 1/32"	10 10 11
SERIAL NO.	DJ56
DEPTH OUT	
DEPTH IN	2312
TOTAL FTG.	588
TOTAL HRS. RUN	24 3/4
BIT CONDITION 1/8" T/B/GAGE	1N.
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	12.30	4.00	7.00
WEIGHT	9.3	9.3	9.2
VIS.-SEC.	35	36	35
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			9.
PH	9.	9.	9.5
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	1200#		
BEN-EX	4#		
CAUSTIC	100#		
C.M.C.	100#		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
2761	2900	7 1/2	139			50	40	2100		6	120			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
2826	1/4							

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	2.30	2 1/2		DRILLING
2.30	3.00	1/2		CHECK HYDRIL RIG SERV. & SURVEY.
3.00	8.00	5.		DRILLING
				PUMP PRESSURE. 725 @ 60 S.P.M. U.F. 9.8 D.F. 9.3

DRILLER: A. Lawson

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT / DP / STANDS / SINGLES	I.D.	O.D.	FT.
1		BS 8 3/4 x 6 3/4			3.98 FT.
1		SS	2	6 3/4	8.50 FT.
1		DM 8 3/4 x 6 3/4			14.82 FT.
1		SS	2	6 3/4	8.50 FT.
1		CO			2.10 FT.
		X			4. FT.
21		DC 8 x 6 3/4			650.98 FT.
24		DP STANDS			2 FT.
2		DP SINGLES			2314.76 FT.
		KELLY DOWN			12.00 FT.
		TOTAL			3011.64
		WT. OF DC IN AIR			65 LBS.
		WT. OF STRING			98 LBS.

BIT RECORD

BIT NO.	2
SIZE	8 3/4
MFG.	H.W.
TYPE	J44
JETS 1/32"	10 10 11
SERIAL NO.	DJ56
DEPTH OUT	
DEPTH IN	2312
TOTAL FTG.	699
TOTAL HRS. RUN	28 1/2
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	8.00
WEIGHT	9.2
VIS.-SEC.	39
PV/YP	/
GELS.	/
W.L.-C.C.	
PH	9.5
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	5800#		
REDWOOD FIBRE	17 SKS		
SAWDUST	86 SKS		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
2900	3011	3 3/4	111		DESILTER O. FLOW 9.2	50	40	2100		6	120	6		
					U. FLOW 10.			750		6	60			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.15	1/4		DRILL
8.15	8.30	1/4		CHECK B. O. P. SER. RIG.
8.30	12.00	3 1/2		DRILL Lost @ 3011
12.00	4.00	4		LOST CIRCULATION MIX MUD PULLED 1 STAND LOST 300 BBLS MUD.

DRILLER: J. Howard

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT / DP / STANDS / SINGLES	I.D.	O.D.	FT.
1		BS 8 3/4 x 6 3/4			3.98 FT.
1		SS	2	6 3/4	8.50 FT.
1		DM 8 3/4 x 6 3/4			14.82 FT.
1		SS	2	6 3/4	8.50 FT.
1		CO			2.10 FT.
		X			FT.
21		DC 8 x 6 3/4			650.98 FT.
24		DP STANDS			FT.
2		DP SINGLES			2314.76 FT.
		KELLY DOWN			12.00 FT.
		TOTAL			3011.64
		WT. OF DC IN AIR			65M LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	2
SIZE	8 3/4
MFG.	H.W.
TYPE	J44
JETS 1/32"	10 10 11
SERIAL NO.	DJ56
DEPTH OUT	
DEPTH IN	2312
TOTAL FTG.	699
TOTAL HRS. RUN	28 1/2
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/
GELS.	/
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Gel	80 Bags		
Fibertex	50#		
Sawdust	30#		
Caustic	100#		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
					Overtime Hrs 4 2 Men mixing Lost Circ mat. A. Hurdle H. Ferrell									

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00				
	7.45	3 3/4		Mix Lost Circ Material & pumped Down
7.45	9.30	1 3/4		Same Plugged Bit
9.30	11.00	1 1/2		Hoist Plugged Bit
11.00				Changed Jets in Bit & Run in Slow
	12.00	1		Fill pipe & Get Returns in 22 mins @ 70 S.P.M.
				Circ Slow.
				Lost 450 BBLS Lost To Formation

DRILLER: E. Johnson

CP-38 (10/69)*

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER. EAST H-57

LOCATION: H-57 — PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited — SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown

CONTRACTOR: GUSTAVSON DRILLING — SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M. Sowiets — RIG NO.: 17

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
2312'	2761'	449'		6	2	14	1971

	DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
	4	14	E	2	5 1/4	4" F.H.	1	NAT	8-P-80	8 1/2
	6 3/4	101		2 3/4	6 3/4	5-H.90	2	NAT	8-P-80	8 1/2

LAST CASING TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
9 5/8	36# K55	30	1006	1625	1003	512	

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	3	6 1/2	7 3/4	17 1/4
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS	4 1/2			4 1/2
7	RIG SERVICE	1/2			1/2
8	RIG REPAIR		1 1/4		1 1/4
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY			1/4	1/4
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.		1/4		1/4
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	TEST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
EQUIPMENT (CONTRACTOR)	BOILER #1	8	8	8	—
	BOILER #2	8	8	8	—

Code 232 b.

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	Nil

DRILLING ASSEMBLY NO. / CODE AT END OF TOUR

		BIT / DESCRIPTION	I.D.	O.D.	FT.
	1	BS	2 1/4	6 1/4	3.98 FT.
	1	DM	3 1/8	6 1/4	14.82 FT.
	1	SS	2	6 1/4	8.50 FT.
	1	C-0	2 3/4	6 1/4	2.10 FT.
	1	SS	2 3/4	6 1/4	4.10 FT.
			I.D. X	O.D.	FT.
	21	DC	2 3/4	6 3/4	650.98 FT.
		DP STANDS			FT.
	2	DP SINGLES			176.43 FT.
		KELLY DOWN			7.71 FT.
		TOTAL			2385.00 FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			86M LBS.

BIT RECORD

BIT NO.	2
SIZE	8 3/4
MFG.	HUGHES
TYPE	J44
JETS 1/32"	10 10 11
SERIAL NO.	DT561
DEPTH OUT	
DEPTH IN	2312
TOTAL FTG.	73
TOTAL HRS. RUN	3
BIT CONDITION 1/8" T/B/GAGE	1N
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	7.00			
WEIGHT	9.3			
VIS.-SEC.	36			
PV/YP	/	/	/	
GELS.	/	/	/	
W.L.-C.C.				
PH	9+			
% SOLIDS				
% SAND				

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	1000#		
BEN-EX	4#		

MORNING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D / RM-R / CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
2312	2385	3	73			50	40	2100		6	120			
								975		6	60			

DEVIATION RECORD: DEPTH 2312 — DEVIATION° ½ — DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	12.30	½		RIG SERV. CHECK HYDRIL. BLOW KELLY.
12.30	5.00	4½		TRIP OUT LAY DOWN 21 SINGLES.
				PICK UP 3 COLLARS + STABILIZER. RUN IN.
5.00	8.00	3		DRILLING 8¾ HOLE
		8		HOLE IN GOOD CONDITION.
				U. Flow 9.9
				O. Flow 9.3

DRILLER: A. Gwozdz

DRILLING ASSEMBLY NO. / CODE AT END OF TOUR

		BIT / DESCRIPTION	I.D.	O.D.	FT.
	1	BS	2 1/4	6 1/4	3.98
	1	SS	2	6 1/4	8.50
	1	DM	3 3/8	6 1/4	14.82
	1	SS	2 1/4	6 1/4	4.10
	1	SS	2 1/4	6 1/4	2.10
			I.D. X	O.D.	FT.
	21	DC	2 1/4	6 1/4	650.98
	19	DP STANDS			1850.68 FT.
	2	DP SINGLE			FT.
		KELLY DOWN			FT.
		TOTAL			2570.16 FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			88M LBS.

BIT RECORD

BIT NO.	2
SIZE	8 3/4
MFG.	H-W
TYPE	J44
JETS 1/32"	10 10 11
SERIAL NO.	DT561
DEPTH OUT	
DEPTH IN	2312
TOTAL FTG.	258
TOTAL HRS. RUN	9 1/2
BIT CONDITION 1/8" T/B/GAGE	1N
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	8.00	12.00		
WEIGHT	9.2	9.1		
VIS.-SEC.	34	35		
PV/YP	/	/	/	
GELS.	/	/	/	
W.L.-C.C.				
PH				
% SOLIDS				
% SAND				

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	800#		
BENEX	4#		

DAY TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D / RM-R / CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
2385	2570	6½	185		DESILTER U. FLOW 11.2	50	40	2000		6	120	6	120	
					O. FLOW 9.1			750		6	60			

DEVIATION RECORD: DEPTH — DEVIATION° — DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.30	½		DRILL
8.30	8.45	¼		CHECK B.O.P. SER RIG
8.45	11.30	2¾		DRILL
11.30	12.45	1¼		CHANGE MUD LINE UNION
12.45	4.00	3¼		DRILL

DRILLER: J. Homik

DRILLING ASSEMBLY NO. / CODE AT END OF TOUR

		BIT / DESCRIPTION	I.D.	O.D.	FT.
	1	BS	2 1/4	6 1/4	3.98
	1	SS	2"	6 1/4	8.50
	1	MC	3 3/8	6 1/4	14.82
	1	SS	2 1/4	6 1/4	4.10
	1	C-0	2 3/4	6 1/4	2.10
			I.D. X	O.D.	FT.
	21	DC	2 1/4	6 1/4	650.98
	21	DP STANDS			FT.
	2	DP SINGLES			203.37 FT.
		KELLY DOWN			41.00 FT.
		TOTAL			2761.35
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			90M LBS.

BIT RECORD

BIT NO.	2
SIZE	8 3/4"
MFG.	HW
TYPE	J44
JETS 1/32"	10 10 11
SERIAL NO.	DT561
DEPTH OUT	
DEPTH IN	2312
TOTAL FTG.	449'
TOTAL HRS. RUN	17¼
BIT CONDITION 1/8" T/B/GAGE	1N
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	4.45	8.—	16.00	
WEIGHT	9.2	9.2	9.2	
VIS.-SEC.	35	33	31	
PV/YP	/	/	/	
GELS.	/	/	/	
W.L.-C.C.				
PH				
% SOLIDS				
% SAND				

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	1500#		
BENEX	6		

EVENING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D / CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP PRESS.	AIR VOL. (CFM.)	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
2570	2761	7¾	191'		Desilter U. Flow - 9.9	50-	30-40	2000		6"	120	6"	120	S.
					O. Flow - 9.3	@60 SPM, 725 PSI								

DEVIATION RECORD: DEPTH 2568' — DEVIATION° ¼° — DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	4.15	¼		Survey + Rig Serv.
4.15	12.00	7¾		Drlg

DRILLER: L. Johnson

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST

LOCATION: H-57 | PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited | CONTRACTOR: GUSTAVSON DRILLING | RIG NO.: 11

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Bryson | SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M. Sowieta

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
1070	2312	1242		6	2	13	1971

DP./DC SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4	14	E	2	5¼	4" F.H.	1	NAT.	9-P80	8½
6¾	70		2 13/16	6¾	5.H.90	2	NAT.	8-P80	8½

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9⅝	36# K55	30	1006	16.25	1003	512.	

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	7½	7	7¼	21¾
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY	½	¾	¾	2
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				¼
15	TEST B.O.P.		¼		
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
	BOILER #1	8	8	8	24
	" #2	8	8	8	24

Code 232 B.

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT	I.D.	O.D.	FT.
1		RS	2 13/16	6¾	348 FT.
1		DM	3⅜	6¾	1482 FT.
1		SS	2	6¾	8.50 FT.
1		CO	2 13/16	6¾	2.10 FT.
			X		FT.
			X		FT.
18	DC	2 13/16		6¾	557.88 FT.
9	DP	STANDS			FT.
1	DP	SINGLES			867.11 FT.
KELLY DOWN					26.00 FT.
TOTAL					1480.39 FT.
WT. OF DC IN AIR					LBS.
WT. OF STRING					66 LBS.

BIT RECORD

BIT NO.	1
SIZE	8¾
MFG.	SMITH
TYPE	D.T.J
JETS 1/32"	10 10 10
SERIAL NO.	DK095
DEPTH OUT	
DEPTH IN	1003
TOTAL FTG.	
TOTAL HRS. RUN	8¾
BIT CONDITION 1/8" T/B/GAGE	1N
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	2.00		7.00
WEIGHT	9.2		9.2
VIS.-SEC.	30		38
PV/YP	/	/	/
GELS	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	3900#		
BEN-EX	12#		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP PRESS.	AIR VOL. (CFM.)	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
1070	1480	7½	410			110	25	2100		6	120			

DEVIATION RECORD: DEPTH 1200 | DEVIATION° ¾° | DIRECTION | DEPTH | DEVIATION° | DIRECTION | DEPTH | DEVIATION° | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	12.15	¼		RIG SERV. CHECK HYDRIL.
12.15	4.00	3¾		DRILLING 8¾ HOLE.
4.00	4.30	½		WORK PIPE. RUN SURVEY.
4.30	8.00	3½		DRILLING.
		7¾		

DRILLER: A. Lwosiuk

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT	I.D.	O.D.	FT.
1		RS	2 13/16	6¾	3.98 FT.
1		SS	2	6¾	8.50 FT.
1		DM	3⅜	6¾	1482 FT.
1		SS	2	6¾	8.50 FT.
1		CO	2 13/16	6¾	2.10 FT.
			X		FT.
18	DC	2 13/16		6¾	557.88 FT.
14	DP	STANDS			1363.50 FT.
2	DP	SINGLES			FT.
KELLY DOWN					15.00 FT.
TOTAL					1965.78
WT. OF DC IN AIR					LBS.
WT. OF STRING					72m LBS.

BIT RECORD

BIT NO.	1
SIZE	8¾
MFG.	SMITH
TYPE	DT
JETS 1/32"	10 10 10
SERIAL NO.	DK095
DEPTH OUT	1003
DEPTH IN	1003
TOTAL FTG.	962
TOTAL HRS. RUN	15¾
BIT CONDITION 1/8" T/B/GAGE	1N
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	8.00	12.00	
WEIGHT	9.2	9.2	
VIS.-SEC.	38	33	
PV/YP	/	/	/
GELS	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	1000 lbs.		
BEN-EX	4 lbs.		
BICARB	100 lbs.		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
1480	1965	7	485			100	35	2100		6	120			
								750		6	60			

DEVIATION RECORD: DEPTH 1490 | DEVIATION° 1° | DIRECTION | DEPTH 1740 | DEVIATION° 1° | DIRECTION | DEPTH | DEVIATION° | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.15	¼		DRILL
8.15	8.45	½		SURVEY CHECK B.O.P. SER. RIG
8.45	12.30	3¾		DRILL
12.30	1.00	½		SURVEY DESILTER O. FLOW 9.0
1.00	400	3		DRILL U. FLOW 9.6

DRILLER: J. Hanik

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT	I.D.	O.D.	FT.
1		RS	2 13/16	6¾	3.98 FT.
1		SS	2	6¾	8.50 FT.
1		DM	3⅜	6¾	1482 FT.
1		SS	2	6¾	8.50 FT.
1		CO	2 13/16	6¾	2.10 FT.
			X		FT.
18	DC	2 13/16		6¾	557.88 FT.
18	DP	STANDS			1703.14 FT.
	DP	SINGLES			FT.
KELLY DOWN					22.00 FT.
TOTAL					2312.32
WT. OF DC IN AIR					LBS.
WT. OF STRING					75m LBS.

BIT RECORD

BIT NO.	1
SIZE	8¾
MFG.	Smith
TYPE	D.T.
JETS 1/32"	10 10 10
SERIAL NO.	DK095
DEPTH OUT	2312.
DEPTH IN	1003
TOTAL FTG.	1309
TOTAL HRS. RUN	23
BIT CONDITION 1/8" T/B/GAGE	#61
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	4:00 PM	9.00	12.00
WEIGHT	9.3	9.2	9.2
VIS.-SEC.	33	30	35
PV/YP	/	/	/
GELS	/	/	/
W.L.-C.C.			
PH	9.		
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	2200#		
BENEX	8#		
1" Stream H20			

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
1965	2312	7¼	347'			100	35	720		6"	120	6	120	
								775		6"	60	2 Hrs		
										5½ Hrs				

DEVIATION RECORD: DEPTH 1892' | DEVIATION° ¾° | DIRECTION | DEPTH 2235 | DEVIATION° ¾° | DIRECTION | DEPTH 2312' | DEVIATION° ¾° | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	4.15	¼		Survey & Rig Serv
4.15	9.30	5¼		Drlg. Desilter O. Flows 9.2
9.30	9.45	¼		Survey U. Flows 16.4
9.45	11.45	2		Drlg
11.45	12.00	¼		Drop Survey & Blow Kelly
				Hold Blow out Drill.

DRILLER: E. Johnson

CP-38 (10/69)*

DAILY DRILLING REPORT

WELL NAME: Shell Trout River East

LOCATION: H-57

PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown

CONTRACTOR: Gustafson Drlg (1964) LTD

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M Lovett

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
1003	1070	67	1¼	5	2	12	71

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD
4"	14	E	2	5¼	4"FH
6¼	90		2 7/16	6¾	5 H90

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Nat	8-P-80	8½
2	Nat	8-P-80	

CASING / TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
9 5/8	36# K-55	30	1006	16.25	1003	512	

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL			1¼	1¼
3	REAMING SHOE FLOAT			3¾	3¾
4	CORING				
5	CIRCULATING		½		½
5	TRIPS	¾	6½		7¼
7	RIG SERVICE				
8	RIG REPAIR			1½	1½
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.	7			7
15	TEST B.O.P.	¼	1	1¼	2½
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	CIRCULATION				
23	MOTOR SHUTOFF			¼	¼
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
EQUIP. CONTRACTOR	BOILER #1	8	8	8	24
	BOILER #2	8	8	8	24

Code 232 B

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.		FT.
1	BS	BIT				
1	DM		I.D.	O.D.	X	FT.
1	SS		I.D.	O.D.	X	FT.
			I.D.	O.D.	X	FT.
			I.D.	O.D.	X	FT.
			I.D.	O.D.	X	FT.
			I.D.	O.D.	X	FT.
	DP	STANDS				FT.
	DP	SINGLES				FT.
		KELLY DOWN				FT.
		TOTAL				FT.
		WT. OF DC IN AIR				LBS.
		WT. OF STRING				LBS.

BIT RECORD

BIT NO.	1
SIZE	8¾
MFG.	Smit
TYPE	DTJ
JETS 1/32"	10 10 10
SERIAL NO.	DK095
DEPTH OUT	
DEPTH IN	1003
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ / /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

MORNING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
1003														

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
							0	

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12:00				HEAD up BOPs.
	7:00	7		Lay FLARE LINES.
7:00	7:15	¼		PRESSURE TEST BLIND RAMS to 1500# FOR 15 MIN
7:15	8:00	¾		Pick up BIT + BIT sub & MON DC.

DRILLER: D. Tweedall

DAY TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8:00				Pick up BIT SUB. SHOCK SUB + MONEL COLLAR. Pick up 12-6¾ D. COLLARS
	2.30	6½		SERVICE 2 STANDS 6¾ DRILL COLLARS.
2.30	4.00	1½		CIRC & CONT. MUD. READY TO PRESSURE UP HYDRIL + PIPE RAMS.

DRILLER: M. Lovett

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.		FT.
		BIT				
1	BS		2	6¾		3.98 FT.
1	DM		3	6¾		14.82 FT.
1	SS		2	6¾		8.50 FT.
1	CO		2¼	6¾		2.10 FT.
			I.D.	O.D.	X	FT.
18	DC		2¾	6¾		557.88 FT.
3	DP	STANDS				FT.
2	DP	SINGLES				341.00 FT.
		KELLY DOWN				36.00 FT.
		TOTAL				962.06 FT.
		WT. OF DC IN AIR				LBS.
		WT. OF STRING				LBS.

BIT RECORD

BIT NO.	1
SIZE	8¾
MFG.	SMITH
TYPE	DTJ
JETS 1/32"	10 10 10
SERIAL NO.	DK095
DEPTH OUT	1083
DEPTH IN	1003
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ / /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

DAY TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00				PICK UP BIT SUB. SHOCK SUB + MONEL COLLAR. PICK UP 12-6¾ D. COLLARS
	2.30	6½		SERVICE 2 STANDS 6¾ DRILL COLLARS.
2.30	4.00	1½		CIRC & CONT. MUD. READY TO PRESSURE UP HYDRIL + PIPE RAMS.

DRILLER: M. Lovett

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.		FT.
		BIT				
1	BS		2	6¾		3.98 FT.
1	DM		3	6¾		14.82 FT.
1	SS		2	6¾		8.50 FT.
1	CO		2¼	6¾		2.10 FT.
			I.D.	O.D.	X	FT.
18	DC		2¾	6¾		557.88 FT.
3	DP	STANDS				464.71 FT.
	DP	SINGLES				FT.
		KELLY DOWN				29 FT.
		TOTAL				1070.99
		WT. OF DC IN AIR				LBS.
		WT. OF STRING				LBS.

BIT RECORD

BIT NO.	1
SIZE	8¾
MFG.	SMITH
TYPE	OTJ
JETS 1/32"	10 10 10
SERIAL NO.	DK095
DEPTH OUT	
DEPTH IN	1003
TOTAL FTG.	67
TOTAL HRS. RUN	1¼
BIT CONDITION 1/8" T/B/GAGE	1/1
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	9A
VIS.-SEC.	28
PV/YP	/ / /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
BICARB	200#		
GEL	500#		
BENEX	2#		

EVENING TOUR

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
1003	1070	1¼	67		OVERTIME 4 HRS	100	20	3000		6	120			
					J. Magnuson & H. Hinkkilla			P. Tupton						

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	5.30	1½		CHANGE PIPE RAM RUBBERS
5.30	6.00	½	O.K	PRESSURE TEST PIPE RAMS + HYDRIL TO 1500 P.S.I.
6.00	6.45	¾		PRESSURE TEST MANIFOLD + BOTH KELLY COCKS TO 1500 P.S.I.
6.45	7.00	¼		CHECK MOTOR SHUT OFF
7.00	10.45	3¾		DRILL OUT FLOAT CEMENT + SHOE
10.45	12.00	1¼		DRILL

DRILLER: C. Howard

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL TREE RIVER EAST

LOCATION: H-57 | PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited | CONTRACTOR: Gustafson Drlg (1964) Ltd | RIG NO.: 11

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D. Brown | SIGNATURE OF CONTRACTOR'S TOOL PUSHER: W. Lovick

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
1003				4	2	11	71

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4	14	E		5 1/4	FH	1	NAT	8-P-80	9 1/2
6 3/4	101		2 7/16	6 3/4	5 H90	2	NAT	9-P-80	9 1/2

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9 5/8	36#	30	1002	16.25	1003	512	

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTON AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.	8	8	8	24
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	TEST CIRCULATION				
23					
24					
C-1	40 PERFORATE				
C-2	41 TUBING TRIPS				
C-3	42 TREATING				
C-4	43 SWABBING				
C-5	44 TESTING				
C-6	45				
60	ABANDON				
	STANDBY				
	TOTALS				
	HOURS FOR SHELL ACCOUNT	8	8	8	24
SUPPLEMENTAL CONTRACTOR	BOILER Code 232				

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

MORNING TOUR

DRILLING ASSEMBLY NO. | CODE AT END OF TOUR

BIT ____ FT.

I.D. ____ X O.D. ____ ____ FT.

UP STANDS ____ FT.

DP SINGLES ____ FT.

KELLY DOWN ____ FT.

TOTAL ____ FT.

WT. OF DC IN AIR ____ LBS.

WT. OF STRING ____ LBS.

BIT RECORD: BIT NO. | SIZE | MFG. | TYPE | JETS 1/32" | SERIAL NO. | DEPTH OUT | DEPTH IN | TOTAL FTG. | TOTAL HRS. RUN | BIT CONDITION 1/8" T/B/GAGE | REAMER CUTTER NO. | REAMER TYPE

MUD RECORD: TIME | WEIGHT | VIS.-SEC. | PV/YP | GELS. | W.L.-C.C. | PH | % SOLIDS | % SAND

MUD MATERIALS ADDED: TYPE | AMOUNT | TYPE | AMOUNT

FOOTAGE: FROM 1003 | TO | ROT. HOURS | DR-D RM-R CORE-C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY R.P.M. | WT. ON BIT (1000#) | PUMP (AIR) PRESS. | AIR VOL. (CFM.) | 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 | DEVIATION° | DIRECTION | DEPTH | DEVIATION° | DIRECTION | DEPTH | DEVIATION° | DIRECTION

TIME LOG: FROM 1200 | TO | ELAPSED TIME | CODE

DETAILS OF OPERATION IN SEQUENCE AND REMARKS

W.O.C. (Pull out Drlg Pipe w/ Tag in Adapter
Tear out Hydril & Cut off Con BBls.
Clean Mud Tanks, Cut off Csg.

TIME LOG: FROM | TO 800

DRILLER D. Lindall

DAY TOUR

DRILLING ASSEMBLY NO. | CODE AT END OF TOUR

BIT ____ FT.

I.D. ____ X O.D. ____ ____ FT.

UP STANDS ____ FT.

DP SINGLES ____ FT.

KELLY DOWN ____ FT.

TOTAL ____ FT.

WT. OF DC IN AIR ____ LBS.

WT. OF STRING ____ LBS.

BIT RECORD: BIT NO. | SIZE | MFG. | TYPE | JETS 1/32" | SERIAL NO. | DEPTH OUT | DEPTH IN | TOTAL FTG. | TOTAL HRS. RUN | BIT CONDITION 1/8" T/B/GAGE | REAMER CUTTER NO. | REAMER TYPE

MUD RECORD: TIME | WEIGHT | VIS.-SEC. | PV/YP | GELS. | W.L.-C.C. | PH | % SOLIDS | % SAND

MUD MATERIALS ADDED: TYPE | AMOUNT | TYPE | AMOUNT

FOOTAGE: FROM T.D. 1003 | TO | ROT. HOURS | DR-D RM-R CORE-C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY R.P.M. | WT. ON BIT (1000#) | PUMP (AIR) PRESS. | AIR VOL. (CFM.) | 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 | DEVIATION° | DIRECTION | DEPTH | DEVIATION° | DIRECTION | DEPTH | DEVIATION° | DIRECTION

TIME LOG: FROM 8.00 | TO 8.00 | ELAPSED TIME 8. | CODE

DETAILS OF OPERATION IN SEQUENCE AND REMARKS

CUT CASING & WELD CASING BOWL
Pick up BOPS. CLEAN MUD TANKS.
PRESSURE UP CASING BOWL @ 3000# PSI

4 HRS. OVERTIME 3 MEN LAY + MAKE UP FLARE LINES
A. EWASIUK. L BRAZEL
R. LANGLOIS

DRILLER A. Lewasiuk

EVENING TOUR

DRILLING ASSEMBLY NO. | CODE AT END OF TOUR

BIT ____ FT.

I.D. ____ X O.D. ____ ____ FT.

UP STANDS ____ FT.

DP SINGLES ____ FT.

KELLY DOWN ____ FT.

TOTAL ____ FT.

WT. OF DC IN AIR ____ LBS.

WT. OF STRING ____ LBS.

BIT RECORD: BIT NO. | SIZE | MFG. | TYPE | JETS 1/32" | SERIAL NO. | DEPTH OUT | DEPTH IN | TOTAL FTG. | TOTAL HRS. RUN | BIT CONDITION 1/8" T/B/GAGE | REAMER CUTTER NO. | REAMER TYPE

MUD RECORD: TIME | WEIGHT | VIS.-SEC. | PV/YP | GELS. | W.L.-C.C. | PH | % SOLIDS | % SAND

MUD MATERIALS ADDED: TYPE | AMOUNT | TYPE | AMOUNT

FOOTAGE: FROM | TO | ROT. HOURS | DR-D RM-R CORE-C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY R.P.M. | WT. ON BIT (1000#) | PUMP (AIR) PRESS. | AIR VOL. (CFM.) | 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 | DEVIATION° | DIRECTION | DEPTH | DEVIATION° | DIRECTION | DEPTH | DEVIATION° | DIRECTION

TIME LOG: FROM 400 | TO | ELAPSED TIME | CODE

DETAILS OF OPERATION IN SEQUENCE AND REMARKS

CUT OFF CSG BOWL PRESSURE
REWELD BOWL BOWL TO 3000 P.S.I
NIPPLE UP

TIME LOG: FROM | TO 12.00 | 8

DRILLER J. Howard

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Tree River East

LOCATION: H-57 | PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited | CONTRACTOR: Gustavson Drlg (1964) Ltd | RIG NO.: 11

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown | SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M. Soniesto

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
940	1003	63		3	2	10	71

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4"	14	E		5 1/4	FH	1	Nat	8-P-80	8 1/2
6"			2 7/16	6 3/4	3-H90 3-H20	2	Nat	8-P-80	8 1/2

LAST CASING, TUBING OR LINER: SIZE 9 5/8 | WT. AND GR. 36# K55 | NO. OF JOINTS 30 | FEET 1006 | KB. TO CSG. HEAD 16.25 | SET AT 1003' | CEMENT USED (SACKS) 412 | REMARKS: 412 SAXS Portland; 100 SAXS Permofrost

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	2 1/4			7 1/4
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING		2 1/2		2 1/2
6	TRIPS	5 1/2	4 1/2		10
7	RIG SERVICE	1/4			1/4
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT		1/2	8	8 1/2
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS		1/2		1/2
21	CONDITION MUD				
22	LOST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24

CONTRACTOR EQUIPMENT: Boiler #1 8 8 8; Boiler #2 8 8 8; Code 232B

HOLE CONDITION

1. HOLE DRAG (1000#)
2. TORQUE ON BOTTOM (DP TURNS)
3. FILL ON BOTTOM (FEET)

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
1	BS		X	4.00	FT.
1	6		3	9 2.49	FT.
1	6		2 7/16	6 3/4 2.05	FT.
			X		FT.
3	DC		3	9 845.5	FT.
6	DC		2 7/16	6 3/4 185.95	FT.
			X		FT.
7		DP STANDS			FT.
1		DP SINGLES		683.70	FT.
		KELLY DOWN		38.00	FT.
		TOTAL		1003	FT.
		WT. OF DC IN AIR		~	LBS.
		WT. OF STRING		40	LBS.

BIT RECORD

BIT NO.	3A
SIZE	12 1/4
MFG.	HW
TYPE	XIG
JETS 1/32"	16 16 16
SERIAL NO.	~~ZR385~~ VK836
DEPTH OUT	1003
DEPTH IN	757
TOTAL FTG.	246
TOTAL HRS. RUN	9 1/4
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	12.00	4.00	5.30
WEIGHT	9.7	9.6	
VIS.-SEC.	350	175	300
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH	11.0	10.0	
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	500 #		
DEIQ	2 #		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
940	1003	2 1/4	63			180	10	1000		6	150			

DEVIATION RECORD: DEPTH 977 | DEVIATION° 1 1/4° | DIRECTION

MORNING TOUR

TIME LOG FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	12.15	1/4		R.g SER. / Hydril
12.15	1.30	1 1/4		Drlg 12 1/4 Surface Hole
1.30				Pull out (slm) Tight 2 Stands.
	4.30	3.		Run in & Clean 150' to Bottom.
4.30	5.30	1		Drlg 977 - 1003. (D. Lindall, B. Wood, C. Lewis
5.30	8.00	2 1/2		Pull out Run in (D. Sieben, S. Waldrigale & Int. overtime

Reporting Engineer: | DRILLER: D. Lindall

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
		DP STANDS			FT.
		DP SINGLES			FT.
		KELLY DOWN			FT.
		TOTAL			FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	Ran 30 JTS 9 5/8 36# FT K55
TOTAL FTG.	STAC Csg w/ 9 5/8 Davis Float Shoe
TOTAL HRS. RUN	Davis Tag in Float Collar
BIT CONDITION 1/8" T/B/GAGE	9 5/8 Centralizers, Csg set 1003'
REAMER CUTTER NO.	used Thread Lock on Shoe & Collar
REAMER TYPE	Cement - Through Drill Pipe

MUD RECORD

TIME	8.30
WEIGHT	9.6
VIS.-SEC.	175
PV/YP	/
GELS.	/
W.L.-C.C.	
PH	9.5
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Gel	500 #		
DEIQ	2 #		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
					Vitrea #41									

DEVIATION RECORD: DEPTH | DEVIATION° | DIRECTION

DAY TOUR

TIME LOG FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	9.00	1		CIRC TO RUN CASING.
9.00	10.00	1		DUMMY TRIP. HOLE GOOD SHAPE
10.00	11.30	1 1/2		CIRC COND MUD
11.30				TRIP OUT TO RUN CASING LAY DOWN 9" COLLARS
	3.30	4		RIG UP TO RUN CASING
3.30	4.00	1/2		RUN CASING. 4 HRS OVERTIME RUNNING CASING.
		8		A. Ewasiuk L. Scott. R. Berg. L. Brazel. R. Langlois

DRILLER: A. Ewasiuk

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
		DP STANDS			FT.
		DP SINGLES			FT.
		KELLY DOWN			FT.
		TOTAL			FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	Mixed 70 SAXS Portland CEMENT
SIZE	Followed by 100 SAXS. PERMOFROST CEMENT
MFG.	Followed by 342 SAXS Portland
TYPE	Displaced w/ 11 BBLS WATER
JETS 1/32"	Good CEMENT To SURFACE
SERIAL NO.	CEMENT IN PLACE 12.00 MIDNIGHT
DEPTH OUT	2-10-71
DEPTH IN	TOTAL CEMENT USED 512 SAXS.
TOTAL FTG.	L. Brown
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	
GELS.	
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Peltex	150 #		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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 | DEVIATION° | DIRECTION

EVENING TOUR

TIME LOG FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	8.00	4		RUN CSG.
8.00	9.15	1 1/4		CIR CSG. LOWER VISCOSITY TO 55.
9.15	11.00	1 3/4		RUN IN DRILL PIPE ADAPTOR.
11.00	12.00	1		RUN CEMENT
				OVERTIME 5 HRS J. Hovish J. Magnuson
				4 HRS J. Cochrane E. Hrushka J. Traptow

DRILLER: J. Hovish

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Tree River East

LOCATION: H-57 | PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited | CONTRACTOR: Gustavson Drlg (1964) Ltd. | RIG NO.: 11

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. Brown | SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M. Sowiak

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DATE DAY	DATE YEAR
515	940	425	14	2	2	9	71

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4	14.00	E		5 1/4	FH	1	NAT	8-P-80	9"
7-9 1/4"	101			9 6 3/4	7"H90 5"H90	2	NAT	9-P-80	9 1/2

LAST CASING TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB..TO CSG..HEAD	SET AT	CEMENT USED (SACKS)	REMARKS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	7	2 1/4	6 1/2	15 3/4
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS		5 1/2		5 1/2
7	RIG SERVICE	1/4	1/4		1/2
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY	3/4		1	1 3/4
11	CORE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST TIGHT CON			1/2	1/2
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT	8	8	8	24
CONTRACTOR EQUIP. RENTAL	BOILER #1	8	8	8	
	Boiler #2	8	8	8	
	Code 232 B.				

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT / DESCRIPTION	I.D.	O.D.	FT.
1	83	BIT	3	9	4.00 FT.
1	5/6	STAB	3	9	2.49 FT.
1	4/6	2 7/16 x 6 3/4			2.05 FT.
3	DC	DC	3	9	[redacted] FT.
		I.D. X O.D.			84.57 FT.
6	DC	DC	2 7/16	6 3/4	185.95 FT.
		DP STANDS			FT.
1	DP	SINGLES			40.35 FT.
		KELLY DOWN			32. FT.
		TOTAL			715.41 FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			38m LBS.

BIT RECORD

BIT NO.	2A	
SIZE	12 1/4	
MFG.	H.W.	
TYPE	X1G	
JETS 1/32"	14 14 13	
SERIAL NO.	ZK183	
DEPTH OUT		
DEPTH IN	397	
TOTAL FTG.	318	
TOTAL HRS. RUN	9 1/2	
BIT CONDITION 1/8" T/B/GAGE	Drlg.	
REAMER CUTTER NO.		
REAMER TYPE		

MUD RECORD

TIME	11:00	4:00	7:00
WEIGHT	10.0	9.6	9.5
VIS.-SEC.	65	55	109
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH	9.5	9.5	9.5
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	2000#		
DF-19	8#		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
515	715	7	200			180	10	850		6	120			

MORNING TOUR

DEVIATION RECORD	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
	571	3/4°	[redacted]	664	1°				

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12:00	12:15	1/4		Rig Serv. ✓ Hydril
12:15	1:30	1 1/4		Drlg 12 1/4 Surface Hole.
1:30	2:00	1/2		Survey.
2:00	5:00	3.		Drlg 12 1/4 Surface Hole
5:00	5:15	1/4		Survey.
5:15	8:00	2 3/4		Drlg 12 1/4 Surface Hole
		8		

DRILLER: D. Lundell

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT / DESCRIPTION	I.D.	O.D.	FT.
1	BS	BIT	3	9	4.00 FT.
1	C.O	STAB	3	9	2.49 FT.
1	C.O	2 7/16 x 6 3/4			2.05 FT.
3	DC	DC	3	9	84.57 FT.
6	DC	DC	2 7/16	6 3/4	185.95 FT.
5	DP	STANDS			466.61 FT.
	DP	SINGLES			FT.
		KELLY DOWN			17 FT.
		TOTAL			762.14 FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			39m LBS.

BIT RECORD

BIT NO.	2A	3A
SIZE	12 1/4	12 1/4
MFG.	H.W	H.W
TYPE	X1G	X1G
JETS 1/32"	14 14 13	16 16 16
SERIAL NO.	ZK193	VR936
DEPTH OUT	757	
DEPTH IN	397	757
TOTAL FTG.	360	
TOTAL HRS. RUN	11 1/2	1/2
BIT CONDITION 1/8" T/B/GAGE	2 1 1	1/N
REAMER CUTTER NO.		
REAMER TYPE		

MUD RECORD

TIME	8:30		3:30
WEIGHT	9.8		9.9
VIS.-SEC.	72		110
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH	9.5		9.5
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	700#		
DF-19	2#		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
715	762				Vitrea #41	180	10	1250		6	150			

DAY TOUR

DEVIATION RECORD	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.15	1/4		RIG SERV. CHECK HYDRIL.
8.15	10.00	1 3/4		DRILLING 12 1/4 HOLE.
10.00	3.30	5 1/2		TRIPPING. TIGHT HOLE PUMP + REAM. OUT + IN.
3.30	4.00	1/2		DRILLING 12 1/4 HOLE.
		8.		1 HR. OVERTIME. FIX SLIDING DOORS. A. EWASIUK. L. SCOTT.

DRILLER: A. Ewasiuk

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT / DESCRIPTION	I.D.	O.D.	FT.
1	BS	BIT	3	9	4.00
1	C.O	STAB	3	9	2.49
1	C.O	2 7/16 x 6 3/4			2.05
3	DC	DC	3	9	84.57
6	DC	DC	2 7/16	6 3/4	185.95
6	DP	STANDS			621.00
2	DP	SINGLES			FT.
		KELLY DOWN			40.00
		TOTAL			940.06
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			42 LBS.

BIT RECORD

BIT NO.	3A	
SIZE	12 1/4	
MFG.	H.W	
TYPE	X1G	
JETS 1/32"	16 16 16	
SERIAL NO.	[redacted] VKF30	
DEPTH OUT		
DEPTH IN	757	
TOTAL FTG.	183	
TOTAL HRS. RUN	7	
BIT CONDITION 1/8" T/B/GAGE	1/N	
REAMER CUTTER NO.		
REAMER TYPE		

MUD RECORD

TIME	9.00	8.00	
WEIGHT	9.8	9.7	
VIS.-SEC.	68	75	
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH	9.5	10.5	
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	33 sks.		
CAUSTIC	[redacted] lbs.		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
762	940	6 1/2	178			200	5-15	900		6	160			

EVENING TOUR

DEVIATION RECORD	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
	770	1°		835	3/4		895	1	

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	5.15	1 1/4		DRILL 10.45 - 12.00 DRILL
5.15	5.30	1/4		W/ TIGHT CON.
5.30	5.45	1/4		SURVEY RIG SER. OVERTIME 3HRS
5.45	8.00	2 1/4		DRILL J. Howil
8.00	8.30	1/2		WORK PIPE SURVEY J. Cochran
8.30	10.15	1 3/4		DRILL E. Kennerbickler
10.15	10.45	1/2		SURVEY WORK PIPE

DRILLER: J. Howil

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Tree River East

LOCATION: H-57

PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Ken Crawford

CONTRACTOR: Gustavson Drlg (1964) LTD

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Fred McLeod

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
0	515	515	17¼	1	2	8	71

DRILL PIPE SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT. O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
3½"			3	9"	7"H90	1	Nat.	8-P-80	8½
4½"	16.6		2 11/16	6¾	5"H90	2	Nat	8-P-80	8½

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	6	6	4¼	
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS			2	
7	RIG SERVICE	¾	¼		
8	RIG REPAIR			1/2	
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY	½	½	¾	
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST			½	
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	CIRCULATION TEST	½	1¼		
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	
	HOURS FOR SHELL ACCOUNT	8	8	8	24
CONTRACTOR	BOILER	8	8	8	

Code 2323

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	20

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	
1		BIT			1.60 FT.
1			3	9	4.00 FT.
1			3	9	2.49 FT.
1			2 11/16	6¾	2.05 FT.
					FT.
3	DC		3	9	84.57 FT.
					FT.
3	DC		2 11/16	6¾	92.96 FT.
		DP STANDS			FT.
		DP SINGLES			FT.
		KELLY DOWN			43.00 FT.
		TOTAL			230.08 FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	1A
SIZE	12¼
MFG.	Smith
TYPE	DTJ
JETS 1/32"	16/16/16
SERIAL NO.	ED695
DEPTH OUT	
DEPTH IN	0
TOTAL FTG.	230
TOTAL HRS. RUN	7
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	4.00	5.00	
WEIGHT			
VIS.-SEC.	45	45	
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH		/	
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	1000#		
DF-19	4#		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
0	230	7	230		Spud IN 12.30 AM Feb. 8 - 71	80-90	8-12			6	120			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
87	¼°	168	½°					

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	12.30	½		Pick up 9' DC & make up % subs & B.T.
12.30	3.30	3		Spud & Drlg 12¼ Surface Hole.
3.30	3.45	¼		Survey.
3.45	6.45	3		Drlg 12¼ Surface Hole.
6.45	7.00	¼		Survey
7.00	8.00	1		Drlg 12¼ Surface Hole

DRILLER: D. Lindell

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	
1		BIT			1.00 FT.
1	DS		3	9	4.00 FT.
1					2.10 FT.
1			3	9	2.49 FT.
					FT.
3	DC		3	9	84.57 FT.
					FT.
6	DC		2 13/16	6¾	185.95 FT.
		DP STANDS			FT.
1		DP SINGLES			31.11 FT.
		KELLY DOWN			30.00 FT.
		TOTAL			345.12 FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO.	1A.	
SIZE	12¼	
MFG.	SMITH	
TYPE	DTJ	
JETS 1/32"	16/16/16	
SERIAL NO.	ED695	
DEPTH OUT		
DEPTH IN	0	
TOTAL FTG.	345	
TOTAL HRS. RUN	13	
BIT CONDITION 1/8" T/B/GAGE		
REAMER CUTTER NO.		
REAMER TYPE		

MUD RECORD

TIME	8.00	1.00	3.30
WEIGHT		9.5	9.6
VIS.-SEC.	48	65	75
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH		8.5	9.5
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	3500#		
CAUSTIC	50#		
FIBRE	2 JAX.		
SAWDUST	15 SAX		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
230	345	6	115			150	20M.	650		6	120			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
262	¼°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.15	¼		RIG SERV.
8.15	9.15	1		DRILLING
9.15	10.45	1½		LOST CIRC. MIX SAWDUST + FIBRE.
10.45	12.00	1¼		DRILLING
12.00	1.00	1		WORK TIGHT HOLE + SURVEY.
1.00	4.00	3		DRILLING
		8		4 HRS. OVERTIME. REPAIR BROKEN LITES & WIRES. BEWASIUK L. SCOTT.

DRILLER: J. Lindell

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	
		BIT			FT.
1	BS		3	9	4.00 FT.
1			3	9	2.49 FT.
1			2 11/16	6¾	FT.
					FT.
3	DC		3	9	84.57 FT.
					FT.
6	DC		2 13/16	6¾	185.95 FT.
2		DP STANDS			218.06 FT.
1		DP SINGLES			FT.
		KELLY DOWN			20.00
		TOTAL			515.07
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			40M LBS.

BIT RECORD

BIT NO.	1A	2A
SIZE	12¼	12¼
MFG.	SMITH	H.W
TYPE	DTJ	X1G
JETS 1/32"	16/16/16	14/13
SERIAL NO.	ED695	ZK1R3
DEPTH OUT	397	
DEPTH IN	0	397
TOTAL FTG.	397	118
TOTAL HRS. RUN	14¾	2½
BIT CONDITION 1/8" T/B/GAGE	5/1/I	
REAMER CUTTER NO.		
REAMER TYPE		

MUD RECORD

TIME			
WEIGHT	9.5	9.5	
VIS.-SEC.	61	56	
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH	9.5	9.5	
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	1000#		
CAUSTIC	50#		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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
345	515	4¼	170			150	20	600		6	140			
						200	10	1000						

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
365	¾		430	¾		495	¾	

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	5.00	OVERTIME		2 HRS. CLEAN UP LEASE
5.00	5.30	J. Howard		DRILL 9.30 - 9.45 SURVEY
5.30	6.00	J. Meginnis		REPAIR OILER CHAIN
6.00	6.15	P. Traptow		DRILL 9.45 - 11.00 DRILL
6.15	6.30			SURVEY 11.00 - 11.30 W/ TIGHT CON
6.30	8.30			DRILL 11.30 - 11.45 SURVEY
8.30	9.30			TRIP FOR BIT 11.45 - 12.00 DRILL
				DRILL

DRILLER: J. Howard

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Tree River East H-57

LOCATION: PROVINCE: N. W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Ken Crawford

CONTRACTOR: Gustavson Drilling (1964) Ltd.

SIGNATURE OF CONTRACTOR'S TOOL PUSHER:

RIG NO.:

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
					2	7	1971

DP / DC SIZE	WT. / FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION				
22	CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS				
	HOURS FOR SHELL ACCOUNT				

CONTRACTOR EQUIP. RENTAL — BOILER: Code 230

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT	FT.

I.D. X O.D. FT.

DP STANDS FT.

DP SINGLES FT.

KELLY DOWN FT.

TOTAL FT.

WT. OF DC IN AIR LBS.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VIS.-SEC.			
PV / YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG / DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12:00				Weld on Con Bowl, Pick up.
"				Hydril & Assemble Same
	8:00	8		Bolt Hydril on Con Bbls
8:00			Crew	4 hours Overtime, Clean out Tool House.
	12:00		Simen	Unload Plane, one man Help w/ Becon.
				one man (D. Sieben) Swamp on Trucks & Ship.

DRILLER: D. Lindal

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT	FT.

I.D. X O.D. FT.

DP STANDS FT.

DP SINGLES FT.

KELLY DOWN FT.

TOTAL FT.

WT. OF DC IN AIR LBS.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VIS.-SEC.			
PV / YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG / DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8:00	8:00	12		Nipple up Hydril
				Lay & Assemble Flare Lines
				Make up Flow Cellar Jet & Kill Lines.
				4 Hrs Overtime. A. Ewasiuk L. Scott R. Berg
				L. Brazel R. Langlois.

DRILLER: A. Ewasiuk

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE	BIT	FT.

I.D. X O.D. FT.

DP STANDS FT.

DP SINGLES FT.

KELLY DOWN FT.

TOTAL FT.

WT. OF DC IN AIR LBS.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VIS.-SEC.			
PV / YP	/	/	/
GELS.	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	6000 #		
Caustic	50 #		

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	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	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG / DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
				W/O Flare Lines Clean up Lease
				Nipple up
				W/O Pumps Mix Mud
				Drill Mouse Hole Iced up
				Overtime 4 Hr. J. Hanick J. Cochran J. Magnuson
				L. Hennebilles P. Traptow

DRILLER: J. Hanick