SHELL KAKISA LAKE

C-04

Drilling Authority No. 284
Date Issued December 18, 1967

WELL NAME Shell Kaiser Lake C-04
FIELD
Area:
LOCATION: Unit C Section 04 Grid 61-00-117-45
Latitude 60-52-10.2 Longitude 117-46-15
From Established Reference Marker

U.W.L.R. 60.86617 -- 117.77084
U.W.I.No. 300C04/100 117+50

Rig Release Date: Jan 21/68
Status Ona
Information Release Date

CHANGE OF NAME:

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19-12-67	Application for a Drilling Authority.
2-2-68	Well Completion Data.
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26-1-69	Application to Abandon a Well or Suspend Drilling.
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	New Oil Well Report.
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	Well Inspection Report.
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	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 .....

NANR 52-90 (7-65)

Drilling Authority No. 284

Date Issued 18th December 1967

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

WELL COMPLETION DATA

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

Well name and number: Shell Kakisa Lake C-04

Permit No. 4938

Lease No.

Shell Canada Limited (Permittee, Licensee, Lessee)

Exploratory Licence No. 1877

Shell Canada Limited (Operator)

Exploratory Licence No. 1877

Location: Unit C Section 04 Grid 61°00'. 117°45'

Latitude 60° 53' 10.2" N Longitude 117° 46' 15.0" W

From Established Reference Marker 25,606.7'S and 40,725.1'E of NE 36-137-1-6

Universal Well Location Reference Lat. 60.88617°N, Long. 117.7084°W

	DATE	DEPTH
Spudded	Dec 30/67	
Suspended		
Resumed Operations		
Finished Drilling	Jan 18/68	2661
Deepened		
Complete (gas/oil)		
Abandoned	Jan 21/68	
Rig released	Jan 21/68 6:00 A.M.	

Pool(s) -

Interval(s) open to production None

Elevation: Gr. 740.2 K.B. 748.90

Rig No. 17

Drilling Contractor Big Indian Drilling

Contractor's Business Licence No. 18213

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Set at –	Sacks of Cement and Additives
1. 7" O.D.	J-55	20#	6 jts	252.69'	90 sacks Portland cement + 2% $CaCl_2$ 15.6# slurry
2.					
3.					
4.					
5.					
6.					

GEOLOGICAL TOPS	ELEVATION Depths	ELEVATION Sub-Sea
Slave Pt Ds	1980	-1231
Watt Mtn Dwt	2220	-1471
Presqu'ile Dpq	2238	-1489
Hume Dh	2402	-1653
Bear Rock Dbr	2540	-1791
Precambrian PC	2620	-1871

CORE RECORD

From	To	Rec.	From	To	Rec.
None					

LOG RECORD

Run No.	Type of Log	From	To
1	BHC SGR-C	2652	252
1	IEL	2651	252

IAND 52-90(2) (3-67)

CEMENTING RECORD (Plug, Squeeze, etc.)

Date	From	To	Remarks
Jan 20/68	2661	1900	Plug #1 (15.6#/gal slurry) Used 200 sacks neat Portland cement. Plug down 7:45 pm
Jan 20/68	202	302	Plug #2 (15.6#/gal slurry) Used 45 sacks Portland cement + 2% $CaCl_2$. Plug down 9:10 pm. Felt plug at 5:10 am Jan 21/68 w/ approx. 2300# at 210'

Jan. 21/68 - 5 sacks cement run on surface casing. Casing cut off and plate with identification marker welded on top.

PERFORATING RECORD (Bullet, Jet)

Date	From	To	Remarks
NONE			

SERVICING RECORD (Acidizing, Fracing, etc.)

Date	From	To	Remarks
	NONE		

DRILL STEM TESTS

No.	Date	Formation	From	To	V.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
	NONE													

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks
NONE					

PRESENT STATUS OF WELL

Oil			(Interval)
Gas			(Interval)
Dry			
Susp.			

Company: Shell Canada Limited

Signed by: Original Signed J.N. MacLeod (for) A.M. McLachlin

Title: Manager, Edmonton Division Production

Date: February 1, 1968

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

File No.
Drilling Authority No. 234

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCE MANAGEMENT DIVISION

Application to Abandon a Well or Suspend Drilling

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

Name and number of well Shell Kakisa Lake C-04

Location: Unit C Section 04 Grid 61° 00, 117° 45

Latitude 60° 53' 10.2" Longitude 117° 46' 15.0"

From Established Reference Marker

Permit No. 4938 Lease No.

Shell Canada Limited
(Permittee, Licensee, Lessee)

Date of commencement of proposed program January 20, 1968

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at Nil
Gas at Nil
Water at 1985 and below
Total Depth 2661 Date of last operations January 21, 1968
Present condition of well Plugged and Abandoned

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sack of Cement and Additives	Amount Pulled
1. 7"	20#	6 jts	253'	90 sacks Portland + 2% $CaCl_2$	Nil
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	2661-1900	Devonian	200	-
2	353 - 253	Devonian	45	Feel after 8 hrs WOC
3	Surface		5	Cut off casing 3' below flange, weld on plate - erect sign

The following logs have been run IES, BHC SGR-C
Other operations proposed None

Operations to be carried out by Big Indian Drlg. Co. Contractor Licence No. 18213
Address Calgary, Alberta Address Calgary, Alberta
Responsible Agent in field G. Kenney
Dated at Edmonton, this 24 Day of January 1968
Signed by J. M. MacLEOD for Company Shell Canada Limited
Title Manager-Edmonton Division Production Operator's Exploratory Licence No. 1877

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

(For RESOURCE MANAGEMENT DIVISION use only)

APPROVAL

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

Confirming oral approval given by Mr. B. E. J. Thoms

Dated 26th January, 1968

B. E. J. Thoms
Oil Conservation Engineer

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

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

Drilling Authority No. 28

Project No.

File No.

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application for a Drilling Authority

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

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

Name and number of well Shell Kakisa Lake C-04

Location: Unit C Section 04 Grid 61°00', 117°45'

Latitude 60° 53' 10.2" N Longitude 117° 46' 15" W

From Established Reference Marker

Universal Well Location Reference Lat. 60.88617° N., Long. 117.77084° W.

Elevation: Ground Approx. 740 K.B. Approx. 750 feet above sea-level.

Well is expected to produce from Slave Point formation at a depth of about 2000 feet. Expected total final depth 2550

Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. 4938 Lease No. Acreage 62,244

Permittee, licensee, or lessee Shell Canada Limited

Exploratory Licence No. 1877

Surface owned by Crown or Crown

Petroleum and natural-gas rights owned by Shell Canada Limited

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. 7"	20#	J-55	New	300'	105 sacks
2. or 7"	23#	N-80	New	300'	105 sacks
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment Slave Point

6" Series 900 Type B Hydraulic Double Shaeffer

6" Series 900 GK Hydril

Well will be drilled with Rotary Rig No. 17 by Big Indian Drilling Co. Ltd.

(Drilling Contractor or company)

Responsible agent of applicant:— Contractor's business Licence No. 18213

At well G. Kenney At registered office A. M. McLachlin

Address Box 186, Edmonton Address Box 186, Edmonton

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

Dated at Edmonton, this 22 day of November 19 67

Signed by E. A. [illegible] Company Shell Canada Limited

Title Manager-Edmonton Division Production Operator's Licence No. 1877

(For Resource Management Division use only)

APPROVED

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

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

Dated 18th December 19 67

Oil Conservation Engineer

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

IAND 52-90-1 (3-67)

Unique Well Identifier - 300C046100117450

300C046100117450

SHELL KAKISA LAKE C-04

60°53'10.2"N 117°46'15.0"W

WELL HISTORY REPORT

GEOLOGICAL & EXPLORATION
Resources Management Division
MAY 15 1968
OTTAWA, CANADA
Dept. of Indian Affairs & Northern Development

WELL HISTORY REPORT

SHELL KAKISA LAKE C-04

SHELL CANADA LIMITED

APRIL 11, 1968

WELL HISTORY REPORT

SHELL KAKISA LAKE C-04

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SECTION I SUMMARY OF WELL DATA

(a) Well Name and Number

Shell Kakisa Lake C-04

(b) Permittee

Shell Canada Limited

(c) Name of Operator

Shell Canada Limited, P. O. Box 186, Edmonton, Alberta.

(d) Location

Unit C, Section 04, Grid 61°00', 117°45'
Latitude 60°53' 10.2"N
Longitude 117°46' 15.0"W

(e) Permit Number

4938

(f) Drilling Contractor

Big Indian Drilling Co. Ltd. Rig #17 (Rotary)

(g) Drilling Authority

Drilling Authority #284
Issued 18th December, 1967.

(h) Classification

Wildcat

(i) Elevations

Ground Elevation 740.2'
K.B. Elevation 748.90

(j) Spudded

December 30, 1967

(k) Completed Drilling

January 18, 1968.

(l) Total Depth and Plugged Back Total Depth

T.D. 2661(Driller) PBTD-Surface

(m) Well Status

Dry and Abandoned

(n) Rig Released

January 21, 1968.

(o) Hole Size

9 7/8" to 255'
6 1/4" to 2661'

(p) Casing

7", J55, 20# casing set at 252.69 K.B. with 90 sacks Portland cement + 2% $CaCl_2$.

(q) Universal Well Location Reference

Lat. 60.88617° N.
Long. 117.77084° W.

(r) Unique Well Identifier 300C046100117450

SECTION II GEOLOGICAL SUMMARY

(a) Formation Tops

Formation	Depth
Slave Point	1980(-1231)
Watt Mtn.	2220(-1471)
Presqu'ile	2238(-1489)
Hume	2402(-1653)
Bear Rock	2540(-1791)
Precambrian	2620(-1871)

(b) Cored Intervals

No core cut.

(c) Sample Description

As attached report.

SECTION III - DRILLING SUMMARY

(a) Casing Record

Size	Weight	Grade	Amount	Depth	Cement
7"	20#	J55	6 jts.	252.69'K.B.	90 sacks Portland cement + 2% CaCl2 15.6# slurry.

(b) Drillstem Tests

None

(c) Bit Record

No.	Size	Type	Depth Out	Feet Drilled	Hours Run
1A	9 7/8	DT	255	255	13 1/2
1	6 1/4	DTJ	737	482	19 1/4
2	6 1/4	DTJ	1656	919	18 1/4
3	6 1/4	YT3	2052	396	18
4	6 1/4	DTJ	2206	154	15 1/2
5	6 1/4	YT1	2306	100	13 1/2
6	6 1/4	YT1	2432	126	18
7	6 1/4	YT1	2509	77	21 1/4
8	6 1/4	YT1	2581	72	15 1/2
9	6 1/4	L4HJ	2632	51	17 1/2'
10	6 1/4	L4HJ	2661	29	9 3/4

(d) Mud Report

Caustic Soda	Gel	Soptsana	CMC
10 1/2 sacks	56 sacks	16 1/2 sacks	2 1/2 sacks

(e) Deviation Record

Depth	Deviation(Totco°)
60	3/4
148	1 1/2
218	1
717	3/4
1196	1/2
1767	3/4
2241	1

(f) Abandonment Plugs

Date	Interval	Cement & Additives	Remarks
Jan.20/68	2661'-1900'	200 sacks	
Jan.20/68	302-202	45 sacks+2% $CaCl_2$	Tagged at 210'
Jan.21/68	Surface	5 sacks	cut off csg. welded on plate and sign.

(g) Lost Circulation Zones

None

(h) Blowouts

None

C-04

SECTION IV - LOGS

Date	Interval	Type
[illegible]	[illegible]	BHC Sonic Gamma Ray - Caliper
1/19/58	265-252	Induction Electric Log

Three copies of each log forwarded January 31, 1968.

SECTION V - ANALYSIS

(a) Core Analysis

No core cut.

(b) Water Analysis

None

(c) Gas Analysis

None

(d) Oil Analysis

None

SECTION VI - COMPLETION RECORD

(a) Tubing Record

None

(b) Perforation Record

None

(c) Cementation Record

Plug No.	Date	Interval	Formation	Cement	Remarks
1	Jan.20/68	2661-1900	Precambrian - Slave Point	200 sacks	
2	Jan.20/68	302-202		45 sacks + 2% $CaCl_2$	Tagged at 210'
3	Jan.21/68	Surface		5 sacks	

(d) Acidization and Fracturing Record

None

(e) Back Pressure and Production Tests

None

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

SHELL KAMISA LAKE C-4

T.D. 2661

K.B. 749

LATITUDE: 60° 53' 10.2" N.

LONGITUDE: 117° 46' 15.0" W.

0' -10'		SAMPLES MISSING.
10' -20'	Limestone	Limestone, light grey to brown, with some shale.
20' -30'	Limestone	Limestone, light grey, trace of shale.
30' -40'	Limestone	Limestone, light grey, trace of shale, and pyrite.
40' -50'	Limestone	Limestone, light grey, traces of pyrite and some shale.
50' -60'	Limestone	Limestone, light brown, traces of sandstone and shale.
60' -70'	Limestone	Limestone, light brown, traces of chert and shale.
70' -80'	Limestone	Limestone, light brown, traces of chert and shale.
80' -90'	Limestone	Limestone, light brown, traces of chert and shale.
90' -100'	Limestone	Limestone, light brown, traces of chert and shale.
100' -110'	Limestone	Limestone, light brown to grey, traces of pyrite and fossils.
110' -120'	Limestone	Limestone, light brown to grey, traces of pyrite and fossils.
120' -130'	Limestone	Limestone, light brown to grey, traces of pyrite and fossils.
130' -140'	Limestone	Limestone, light brown to grey, traces of pyrite and fossils.

140' -150'	Limestone	Limestone, light brown to grey, traces of pyrite and fossils.
150' -160'	Limestone	Limestone, light brown to grey, traces of pyrite and fossils.
160' -170'	Limestone	Limestone, light brown to grey, traces of pyrite and fossils.
170' -180'	Limestone	Limestone, light brown to grey, traces of pyrite and fossils.
180' -190'	Limestone	Limestone, light brown to grey, traces of pyrite and fossils.
190' -200'	Limestone	Limestone, light brown to light grey, traces of sandstone and siltstone.
200' -210'	Limestone	Limestone, light grey to light brown, traces of pyrite, fossils, and grey-black shale.
210' -220'	Limestone	Limestone, light grey to light brown, traces of pyrite, fossils, and grey-black shale.
220' -230'	Limestone	Limestone, light grey to light brown, traces of pyrite and light-dark grey shale.
230' -240'	Limestone	Limestone, light grey to light brown, traces of light-dark grey shale.
240' -250'	Limestone	Limestone, light grey to light brown, traces of light grey to green silty shale.
250' -255'	Limestone	Limestone, light grey to light brown, traces of light grey to green silty shale.
255' -480'		LOST SAMPLES.
480' -490'	Limestone	Limestone, light buff to light grey with some shale.
490' -500'	Limestone	Limestone, light buff to light grey with some shale, traces of pyrite.

500' -510'	Limestone	Limestone, light buff to light grey, traces of pyrite, fossils, and shale.
510' -520'	Limestone	Limestone, light buff to light grey, traces of pyrite, fossils, and grey shale.
520' -530'	Limestone	Limestone, light buff to light grey, traces of pyrite, fossils, and grey shale.
530' -540'	Limestone	Limestone, light buff to light grey, traces of pyrite, fossils, and grey shale.
540' -550'	Limestone	Limestone, light buff to light grey, traces of pyrite, fossils, and grey shale.
550' -560'	Limestone	Limestone, light buff to light grey, traces of pyrite, fossils, and grey shale.
560' -570'	Limestone	Limestone, light buff to light grey, traces of grey shale.
570' -580'	Limestone	Limestone, light buff to light grey, traces of grey shale.
580' -590'	Limestone	Limestone, light buff to light grey, traces of grey shale.
590' -600'	Limestone	Limestone, light buff to light grey, traces of grey shale.
600' -610'	Limestone	Limestone, light buff to light grey, dolomitic in part, traces of grey shale.
610' -620'	Limestone	Limestone, light buff to light grey, dolomitic in part, traces of grey shale.
620' -630'	Limestone	Limestone, light buff to light grey, dolomitic in part, traces of grey shale.
630' -640'	Limestone	Limestone, light buff to light grey, dolomitic in part, traces of grey shale.

640' -650'	Limestone	Limestone, light buff to light grey, dolomitic in part, traces of grey shale.
650' -660'	Limestone	Limestone, light buff to light grey, dolomitic in part, traces of fossils, pyrite, and grey shale.
660' -670'	Limestone	Limestone, light buff to light grey, dolomitic in part, traces of fossils, pyrite, and grey shale.
670' -680'	Limestone	Limestone, light buff to light grey, dolomitic in part, traces of fossils, pyrite, and grey shale.
680' -690'	Limestone	Limestone, light buff to light grey, dolomitic in part, traces of fossils, pyrite and grey shale.
690' -700'	Limestone	Limestone, light buff to light grey, dolomitic in part, traces of fossils, pyrite, and grey shale.
700' -710'	Limestone	Limestone, light buff to light grey, dolomitic in part, traces of fossils, pyrite, and grey shale.
710' -720'	Limestone	Limestone, light buff to light grey, dolomitic in part, traces of fossils, pyrite, and grey shale.
720' -730'	Limestone	Limestone, light buff to light grey, slightly dolomitic, some grey-green shale.
730' -740'	Limestone	Limestone, light buff to light grey, slightly dolomitic, some grey-green shale.
740' -750'	Limestone	Limestone, light buff to light grey, slightly dolomitic, some grey-green shale.

750' -760'	Limestone	Limestone, light buff to light grey, slightly dolomitic, some grey-green shale.
760' -770'	Limestone	Limestone, light buff to light grey, slightly dolomitic, some grey-green shale.
770' -780'	Limestone	Limestone, light buff to light grey, slightly dolomitic, some grey-green shale.
780' -790'	Limestone	Limestone, light buff to light grey, slightly dolomitic, some grey-green shale.
790' -800'	Limestone	Limestone, light buff to light grey, slightly dolomitic, some grey-green shale.
800' -810'	Limestone	Limestone, light buff to light grey, slightly dolomitic, some grey-green shale.
810' -820'	Limestone	Limestone, light buff to light grey, slightly dolomitic, some grey-green shale.
820' -830'	Limestone	Limestone, light buff to light grey, slightly dolomitic, some grey-green shale.
830' -840'	Limestone	Limestone, light buff to light grey, slightly dolomitic, some grey-green shale.
840' -850'	Limestone	Limestone, light buff to light grey, slightly dolomitic, some grey-green shale.
850' -860'	Shale	Shale, medium grey green, trace of pyrite, calcareous.
860' -870'	Shale	Shale, medium grey green, trace of pyrite, calcareous.
870' -880'	Shale	Shale, medium grey green, trace of pyrite, calcareous.

880' -890'	Shale	Shale, medium grey green, trace of pyrite, calcareous.
890' -900'	Shale	Shale, medium grey green, trace of pyrite, calcareous.
900' -910'	Shale	Shale, medium grey green, trace of pyrite, calcareous.
910' -920'	Shale	Shale, medium grey green, trace of pyrite, calcareous.
920' -930'	Shale	Shale, medium grey, very calcareous, slightly silty.
930' -940'	Shale	Shale, medium grey, very calcareous, slightly silty.
940' -950'	Shale	Shale, medium grey, very calcareous, slightly silty.
950' -960'	Shale	Shale, medium grey, very calcareous, slightly silty.
960' -970'	Shale	Shale, medium grey, very calcareous, slightly silty, trace of pyrite.
970' -980'	Shale	Shale, medium grey, very calcareous, slightly silty, trace of calcite.
980' -990'	Shale	Shale, medium grey, very calcareous, slightly silty.
990' -1000'	Shale	Shale, medium grey, very calcareous, slightly silty.
1000' -1010'	Shale	Shale, medium grey, very calcareous, slightly silty.
1010' -1020'	Shale	Shale, medium grey, very calcareous, slightly silty.
1020' -1030'	Shale	Shale, medium grey, very calcareous, slightly silty.
1030' -1040'	Shale	Shale, medium grey, very calcareous, slightly silty.

1040' -1050'	Shale	Shale, medium grey, very calcareous, slightly silty.
1050' -1060'	Shale	Shale, medium grey, very calcareous, slightly silty.
1060' -1070'	Shale	Shale, medium grey, very calcareous, slightly silty.
1070' -1080'	Shale	Shale, medium grey, very calcareous, slightly silty.
1080' -1090'	Shale	Shale, medium grey, very calcareous, slightly silty.
1090' -1100'	Shale	Shale, medium grey, very calcareous, slightly silty.
1100' -1110'	Shale	Shale, medium grey, very calcareous, slightly silty.
1110' -1120'	Shale	Shale, medium grey,very calcareous, slightly silty.
1120' -1130'	Shale	Shale, medium grey, very calcareous, slightly silty.
1130' -1140'	Shale	Shale, medium grey, very calcareous, slightly silty.
1140' -1150'	Shale	Shale, medium grey, very calcareous, slightly silty.
1150' -1160'	Shale	Shale, medium grey, very calcareous, slightly silty.
1160' -1170'	Shale	Shale, medium grey, very calcareous, slightly silty.
1170' -1180'	Shale	Shale, medium grey, very calcareous, slightly silty.
1180' -1190'	Shale	Shale, medium grey, very calcareous, slightly silty.
1190' -1200'	Shale	Shale, medium grey, very calcareous, slightly silty.
1200' -1210'	Shale	Shale, medium grey, very calcareous, slightly silty.
1210' -1220'	Shale	Shale, medium grey, very calcareous, slightly silty.

1220' -1230'	Shale	Shale, medium grey, very calcareous, slightly silty.
1230' -1240'	Shale	Shale, medium grey, very calcareous, slightly silty.
1240' -1250'	Shale	Shale, medium grey, very calcareous, slightly silty.
1250' -1260'	Shale	Shale, medium grey, very calcareous, slightly silty.
1260' -1270'	Shale	Shale, medium grey, very calcareous, slightly silty.
1270' -1280'	Shale	Shale, medium grey, very calcareous, slightly silty.
1280' -1290'	Shale	Shale, medium grey, very calcareous, slightly silty.
1290' -1300'	Shale	Shale, medium grey, very calcareous, slightly silty.
1300' -1310'	Shale	Shale, medium grey, very calcareous, slightly silty.
1310' -1320'	Shale	Shale, medium grey, very calcareous, slightly silty.
1320' -1330'	Shale	Shale, medium grey, slightly calcareous and silty.
1330' -1340'	Shale	Shale, medium grey, slightly calcareous, and silty.
1340' -1350'	Shale	Shale, medium grey, slightly calcareous, and silty.
1350' -1360'	Shale	Shale, medium grey, slightly calcareous, and silty.
1360' -1370'	Shale	Shale, medium grey, slightly calcareous, and silty.
1370' -1380'	Shale	Shale, medium grey, slightly calcareous, and silty.
1380' -1390'	Shale	Shale, medium grey, slightly calcareous, and silty.

1390' -1400'	Shale	Shale, medium grey, slightly calcareous, and silty.
1400' -1410'	Shale	Shale, medium grey, slightly calcareous, and silty.
1410' -1420'	Shale	Shale, medium grey, slightly calcareous, and silty.
1420' -1430'	Shale	Shale, medium grey, slightly calcareous, and silty.
1430' -1440'	Shale	Shale, medium grey, slightly calcareous, and silty.
1440' -1450'	Shale	Shale, medium grey, slightly calcareous, and silty.
1450' -1460'	Shale	Shale, medium grey, slightly calcareous, and silty.
1460' -1470'	Shale	Shale, medium grey, slightly calcareous, and silty.
1470' -1480'	Shale	Shale, medium grey, slightly calcareous, and silty.
1480' -1490'	Shale	Shale, medium grey, slightly calcareous, and silty.
1490' -1500'	Shale	Shale, medium grey, slightly calcareous, and silty.
1500' -1510'	Shale	Shale, medium grey, slightly calcareous, and silty.
1510' -1520'	Shale	Shale, medium dark grey, trace of limestone.
1520' -1530'	Shale	Shale, medium dark grey, calcareous, slightly silty.
1530' -1540'	Shale	Shale, medium dark grey, calcareous, slightly silty.
1540' -1550'	Shale	Shale, medium dark grey, calcareous, slightly silty.
1550' -1560'	Limestone	Limestone, light buff to light grey, some medium dark grey shale.

1560' -1570'	Shale	Shale, medium dark grey, some light to medium grey limestone, slightly dolomitic, traces of pyrite.
1570' -1580'	Shale	Shale, medium dark grey, some light to medium grey limestone, slightly dolomitic, traces of pyrite.
1580' -1590'	Shale	Shale, medium dark grey, some light to medium grey limestone, slightly dolomitic, traces of pyrite.
1590' -1600'	Shale	Shale, medium grey, some light to medium grey limestone, slightly dolomitic, traces of pyrite.
1600' -1610'	Shale	Shale, medium brown, some light brown to medium green limestone, trace of pyrite.
1610' -1620'	Shale	Shale, medium brown, some light brown to medium green limestone, trace of pyrite.
1620' -1630'	Shale	Shale, medium brown, some light brown to medium green limestone, trace of pyrite.
1630' -1640'	Shale	Shale, medium brown, some light brown to medium green limestone, trace of pyrite.
1640' -1650'	Shale	Shale, medium brown, traces of light to medium grey limestone, trace of pyrite.
1650' -1660'	Shale	Shale, medium brown, trace of light to medium grey limestone, trace of pyrite.
1660' -1670'	Shale	Shale, medium brown, trace of light to medium grey limestone, trace of pyrite.
1670' -1680'	Shale	Shale, medium brown, trace of light to medium grey limestone, trace of pyrite.

1680' -1690'	Shale	Shale, medium brown, trace of light to medium grey limestone, trace of pyrite.
1690' -1700'	Shale	Shale, medium brown, trace of light to medium grey limestone, trace of pyrite.
1700' -1710'	Shale	Shale, medium brown, trace of light to medium grey limestone, trace of pyrite.
1710' -1720'	Shale	Shale, medium brown, some calcareous material, traces of pyrite and calcite.
1720' -1730'	Shale	Shale, medium brown, some calcareous material, traces of pyrite and calcite.
1730' -1740'	Shale	Shale, medium brown, some calcareous material, traces of pyrite and calcite.
1740' -1750'	Shale	Shale, medium brown, some calcareous material, traces of pyrite and calcite.
1750' -1760'	Shale	Shale, medium brown, some calcareous material, traces of pyrite and calcite.
1760' -1770'	Shale	Shale, medium brown, some calcareous material, traces of pyrite and calcite.
1770' -1780'	Shale	Shale, medium brown, some calcareous material, traces of pyrite and calcite.
1780' -1790'	Shale	Shale, medium brown, some calcareous material, traces of pyrite and calcite.
1790' -1800'	Shale	Shale, medium brown, some calcareous material, traces of pyrite and calcite.
1800' -1810'	Shale	Shale, medium dark grey, with medium light grey limestone streak.

1810' -1820'	Shale	Shale, medium dark grey, with medium light grey limestone streak.
1820' -1830'	Shale	Shale, medium dark grey, with medium light grey limestone streak.
1830' -1840'	Shale	Shale, medium dark grey, with medium light grey limestone streak.
1840' -1850'	Shale	Shale, medium dark grey, with medium light grey limestone streak.
1850' -1860'	Shale	Shale, medium dark grey, with medium light grey limestone streak.
1860' -1870'	Shale	Shale, medium dark grey, with medium light grey limestone streak.
1870' -1880'	Shale	Shale, medium dark grey, with medium light grey limestone streak.
1880' -1890'	Shale	Shale, medium dark grey, with medium light grey limestone streak.
1890' -1900'	Shale	Shale, medium dark grey.
1900' -1910'	Shale	Shale, medium dark grey.
1910' -1920'	Limestone	Limestone, medium light grey, with traces of shale.
1920' -1925'	Limestone	Limestone, medium light grey, with traces of shale.
1925' -1930'	Shale	Shale, dark brown grey, with traces of siltstone and limestone.
1930' -1940'	Shale	Shale, dark brown grey, with traces of siltstone and limestone.

1810' -1820'	Shale	Shale, medium dark grey, with medium light grey limestone streak.
1820' -1830'	Shale	Shale, medium dark grey, with medium light grey limestone streak.
1830' -1840'	Shale	Shale, medium dark grey, with medium light grey limestone streak.
1840' -1850'	Shale	Shale, medium dark grey, with medium light grey limestone streak.
1850' -1860'	Shale	Shale, medium dark grey, with medium light grey limestone streak.
1860' -1870'	Shale	Shale, medium dark grey, with medium light grey limestone streak.
1870' -1880'	Shale	Shale, medium dark grey, with medium light grey limestone streak.
1880' -1890'	Shale	Shale, medium dark grey, with medium light grey limestone streak.
1890' -1900'	Shale	Shale, medium dark grey.
1900' -1910'	Shale	Shale, medium dark grey.
1910' -1920'	Limestone	Limestone, medium light grey, with traces of shale.
1920' -1925'	Limestone	Limestone, medium light grey, with traces of shale.
1925' -1930'	Shale	Shale, dark brown grey, with traces of siltstone and limestone.
1930' -1940'	Shale	Shale, dark brown grey, with traces of siltstone and limestone.

1940' -1950'	Shale	Shale, medium dark grey, with small calcareous streak.
1950' -1960'	Shale	Shale, medium dark grey, with small calcareous streak.
1960' -1970'	Shale	Shale, medium dark grey, with small calcareous streak.
1970' -1980'	Limestone	Limestone, medium light grey, fossiliferous, dolomitic.
1980' -1990'	Limestone	Limestone medium light grey, fossiliferous, trace of pyrite.
1990' -2000'	Limestone	Limestone, medium light grey, fossiliferous, trace of pyrite.
2000' -2010'	Limestone	Limestone, medium light grey, fossiliferous, trace of pyrite.
2010' -2020'	Limestone	Limestone, medium light grey, fossiliferous, trace of pyrite.
2020' -2030'	Limestone	Limestone, medium light grey, fossiliferous, trace of pyrite.
2030' -2040'	Limestone	Limestone, medium light grey, fossiliferous, trace of pyrite.
2040' -2050'	Limestone	Limestone, medium light grey, fossiliferous, trace of pyrite.
2050' -2060'	Limestone	Limestone, medium light grey, fossiliferous, traces of spar matrix.
2060' -2070'	Limestone	Limestone, medium light grey, fossiliferous, trace of spar matrix.
2070' -2080'	Limestone	Limestone, medium light grey, fossiliferous, trace of spar matrix.
2080' -2090'	Limestone	Limestone, medium light grey, fossiliferous, trace of spar matrix.

2090' -2100'	Limestone	Limestone, medium light grey, fossiliferous, trace of spar matrix.
2100' -2110'	Limestone	Limestone, medium light grey, fossiliferous, trace of spar matrix, and brown shale.
2110' -2120'	Limestone	Limestone, medium light grey, fossiliferous, trace of spar matrix, and brown shale.
2120' -2130'	Limestone	Limestone, medium light grey, fossiliferous, trace of spar matrix, and brown shale.
2130' -2140'	Limestone	Limestone, medium light grey, fossiliferous, trace of spar matrix, and brown shale.
2140' -2150'	Limestone	Limestone, medium dark brown grey, trace of sparry matrix.
2150' -2170'		NO SAMPLES.
2170' -2180'	Limestone	Limestone, medium dark brown, trace of pyrite, and spar, fossiliferous.
2180' -2190'	Limestone	Limestone, medium brown, fossiliferous.
2190' -2200'	Limestone	Limestone, medium brown, fossiliferous.
2200' -2210'	Limestone	Limestone, medium brown, fossiliferous.
2210' -2220'	Limestone	Limestone, medium light grey, fossiliferous.
2220' -2240'		NO SAMPLES.
2240' -2245'	Limestone	Limestone, medium light grey, fossiliferous.
2245' -2250'	Shale	Shale, light green.
2250' -2260'	Limestone	Limestone, medium light grey, fossiliferous.

2260' -2265'	Limestone	Limestone, medium light grey, fossiliferous, trace of shale.
2265' -2270'	Limestone	Limestone, dark brown black, traces of shale, and pyrite. Appears bituminous.
2270' -2280'	Limestone	Limestone, dark brown black, traces of shale, and pyrite. Appears bituminous.
2280' -2290'	Limestone	Limestone, dark brown black, traces of shale, and pyrite. Appears bituminous.
2290' -2300'		NO SAMPLES.
2300' -2310'	Limestone	Limestone, dark brown, fossiliferous, with traces of shale.
2310' -2320'	Limestone	Limestone, dark brown, fossiliferous, with traces of shale.
2320' -2330'	Limestone	Limestone, dark brown, fossiliferous, with traces of shale.
2330' -2340'	Limestone	Limestone, dark brown, fossiliferous, with traces of shale.
2340' -2350'	Limestone	Limestone, dark brown, fossiliferous, with traces of shale.
2350' -2360'	Limestone	Limestone, dark brown, fossiliferous, with traces of shale.
2360' -2370'	Limestone	Limestone, dark brown, fossiliferous, with traces of shale.
2370' -2380'	Limestone	Limestone, dark brown, fossiliferous, with traces of shale.
2380' -2390'	Limestone	Limestone, dark brown, fossiliferous, with traces of shale.
2390' -2400'	Limestone	Limestone, dark brown, fossiliferous, with traces of shale.
2400' -2410'	Limestone	Limestone, dark brown, fossiliferous, with traces of shale.
2410' -2420'	Limestone	Limestone, dark brown, fossiliferous, with trace of shale.

2420' -2430'	Limestone	Limestone, medium light buff, fossiliferous.
2430' -2440'	Limestone	Limestone, dark brown grey, fossiliferous, with streaks of shaly limestone.
2440' -2450'	Limestone	Limestone, dark brown grey, fossiliferous, with streaks of shaly limestone.
2450' -2460'	Limestone	Limestone, dark brown grey, fossiliferous, with streaks of shaly limestone.
2460' -2470'	Limestone	Limestone, dark brown grey, fossiliferous, with streaks of shaly limestone.
2470' -2480'		EXTREMELY POOR SAMPLES. All material indicated to be cavings.
2480' -2490'	Limestone	Limestone, medium dark brown, fossiliferous.
2490' -2500'	Limestone	Limestone, medium dark brown, fossiliferous.
2500' -2510'	Limestone	Limestone, medium dark brown, fossiliferous.
2510' -2520'	Limestone	Limestone, medium dark brown, fossiliferous.
2520' -2530'	Limestone	Limestone, medium dark brown, fossiliferous.
2530' -2540'	Limestone	Limestone, medium light brown, fossiliferous, with some sparry cement.
2540' -2550'	Dolomite	Dolomite, medium light brown.
2550' -2560'	Dolomite	Dolomite, medium light brown.
2560' -2570'	Dolomite	Dolomite, medium tan, with traces of anhydrite.
2570' -2580'	Dolomite	Dolomite, medium tan, with traces of anhydrite.

2580' -2590'	Dolomite - Anhydrite	Dolomite, medium tan and white anhydrite.
2590' -2610'		SAMPLES MISSING.
2610' -2633'		SAMPLES MISSING.
2633' -2636'	Shale	Shale, green.
2636' -2661'	GRANITE	Granite, fresh, pink.

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 23 DATE Jan 21/68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60° 53'	10.2" N	117°	46'	15.0" W	Shell Kakisa C-4	C-4	NWT

CONTRACTOR: Big Indian — RIG No. 17

DRILL PIPE STRING NO. SIZE: 3½ — TOOL JOINT: 4¾ OD — TYPE THD. A1

OPERATOR'S REPRESENTATIVE: G. Kenny — CONTRACTOR'S TOOL PUSHER: Dennis Conner

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	GD	2000	16
2.			
3.			

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

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING			
TRIPS	2		
DEVIATION SURVEY			
TEST B.O.P			
CUT-OFF DRILL LINE			
REPAIR RIG	2¼		
CORING			
WIRE LINE LOGGING			
OTHER	3¾		
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8		

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 24

OPERATOR'S TIME: 0

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
79	SNGLS. DP	FT.	SIZE	
	D.C. 2 ID 4½ OD	FT.	MFG. / TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER: L. Bonner

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

DEVIATION RECORD:

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

REMARKS

Felt Plug #2 at 210' w/2500# at 5:10 am

12:00	Service Rig	1/4
12:15	Lay down Pipe	3¾
4:00	Start stack	3/4
4:45	Run in to feel plug #2	1/4
500	Tag plug at 210' w/approx 2500#	1/4
5:15	Work on Boiler	1¾
6:30	Hoist pipe & lay down	1½

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. 3 ID 4¾ OD	FT.	MFG. / TYPE	
	RMR BODY OD	FT.	NOZ. NO	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO.	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER: Mike Sill

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

DEVIATION RECORD:

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

REMARKS

Rig Released 6:00 am

Jan 21/68

G. Kenny

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

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

DRILLER

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

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.-38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 22 DATE Jan 20 1968

OPERATOR	LOCATION LSD. SEC.	TWP. RGE. W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60°53' 10.2"N	117°46' 15.0 W	Shell Kakisa	C-4	NWT.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	TYPE THD.
Big Indian	17	3½	4¾ OD	A1

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

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	B.D.	2000	16
2.			
3.			

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

TIME DISTRIBUTION—HOURS	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING			
TRIPS	1¾		
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG	¼	¼	1¾
CORING			
WIRE LINE LOGGING			
OTHER	6	1¾	2¾
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) ~~[illegible]~~ TIME		3	7½
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 13¼

OPERATOR'S TIME: 10¾

HRS. W/D.P: W.O. orders to abandon

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
79	SNGLS. DP	FT.	SIZE	
	D.C. 2 SD 4½ OD	FT.	MFG.	
			TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	SIZE	
	SUBS OD	FT.	SER. NO	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: L. Brennan

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

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

REMARKS

Rig Serv 12:00 12:15 ¼
Run in hole & Ream 12:15 – 2 1¾
off & amp & Circ hole
W/O Orders 2 – 6 4
to Complete.

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

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. 3½ SD 4¾ OD	FT.	MFG.	
			TYPE	
	RMR BODY OD	FT.	NOZ. NO	
	STB BODY OD	FT.	SIZE	
	SUBS OD	FT.	SER. NO.	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: Mike Gill

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
							1100	6"				

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

REMARKS

8:00 Rig Service 8:15 ¼
8:15 W/O orders to Complete. 1:00 4¾
1:00 Help Rig up Halliburton 4:00 3
8

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

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
8	D.C. 2 SD 4¾ OD 237.34	FT.	MFG.	
			TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	SIZE	
	SUBS OD	FT.	SER NO	
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN 37.58	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT OF STRING	LBS.	TYPE	

DRILLER: L. Bonner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
								6"		5⅜		

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

REMARKS Plug #1 2661'-1900' w/200

4:00 Work on Boiler sxs neat Portland cement
6:45 Rig For CEMENT & cement 15.6 #/gal slurry plug down
9:15 Lay down Pipe 7:45 p.m. Plug #2 302-200'
12:00 w/45 sxs Portland cement +
2% CaCl2 Plug down
9:10 p.m. 15.6 #/gal slurry

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

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

C.P.—3B (10/63)

DAILY DRILLING REPORT

REPORT NO. 21 DATE Jan 19/68

OPERATOR	LOCATION LSD	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60 53	10	117	46	15 W	Shell Ka Kisa	C-4	NWT

CONTRACTOR: Big Indian — RIG No. 17 — DRILL PIPE STRING NO. SIZE 3½ — TOOL JOINT 4¾ OD — TYPE THD. AI

OPERATOR'S REPRESENTATIVE: [illegible] — CONTRACTOR'S TOOL PUSHER: Kenn Lomm

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G.D	2000	16
2.			
3.			

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

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING		3¾	1¼
TRIPS		3	
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG	¼	¾	
CORING			
WIRE LINE LOGGING	6½	¼	
OTHER	7½	4½	3½
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	16	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 24

OPERATOR'S TIME: 0

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	2 70455 FT.	SIZE	
	D.C. 2" ID 4¾ OD	237.34 FT.	MFG.	
			TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	SIZE	
	SUBS OD	FT.	SER. NO	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	267947 FT.	COND. OF BIT	
	TOTAL	266147 FT.	REAMER CUTTER NO.	
WT. OF STRING	37,000 LBS.		TYPE	

DRILLER: Ed. Brennan

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

DEVIATION RECORD:

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

REMARKS

Rig Serv. 4.00 4.15 ¼

~~Circulating~~ Circulating 4.15 - 8.00 3¾

Ran BHCSGR-C 2" & 5" scales from 2652-252'
Repeat 1920' - 2652' 5" only
Ran IEL 2" & 5' scales from 2652'-252'
Repeat 2450' to 2652' 5" scale only

MUD RECORD			
TIME			
WEIGHT	9.7	9.7	
VISC	75	82	
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	2 40455 FT.	SIZE	
	D.C. 2½ ID 4¾ OD	237.34 FT.	MFG.	
			TYPE	
	RMR BODY OD	FT.	NOZ. NO	
	STB BODY OD	FT.	SIZE	
	SUBS OD	FT.	SER. NO.	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	267947 FT.	COND. OF BIT	
	TOTAL	266147 FT.	REAMER CUTTER NO.	
WT. OF STRING	37000 LBS.		TYPE	

DRILLER: M. Gill

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
								6"	18"			Gad

DEVIATION RECORD:

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

REMARKS

8:00 Service Rig ¼ 4.15 ¼
8:15 ~~Wash~~ Condition
12:00 Hole for loggers 3¾
12:30 Trip to log & Jelly out to 2661 80
1:00 Repairing Spinning Rope Mally chain ½ 2661
3:30 Trip to log. 2½ dist 0.80'
3:45 Rig to log ¼ No Core made.
4:00 Logging. ¼

MUD RECORD			
TIME			
WEIGHT	9.7		
VISC	54		
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

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

DRILLER: L. Bonner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		2661										

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

4:00 Logging 9:45 5¾
9:45 Steam Floor & Tongs
Measure & 3½ Drill pipe 10:15 ½
10:15 Run in open end 11:00 ¾
11:00 Repair Spinning Chain 11:15 ¼
11:15 Run in 12:00 ¾

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 20 DATE Jan 14/68

OPERATOR	LOCATION LSD	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60 53	10 2N	117	46	15 W	SHELL KAKISA	C-4	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD.
Big Indian Drilling	17		

OPERATOR'S REPRESENTATIVE: L. J. Kenney. CONTRACTOR'S TOOL PUSHER: Kenneth Brennan

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G-D	2000	16"
2.			
3.			

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

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	2½		
REAMING			
CIRCULATING		4½	
TRIPS	4.25	3½	
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG	¼		¾
CORING			
WIRE LINE LOGGING			
OTHER	½		7½
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)
CONTRACTOR'S TIME HRS: 24
OPERATOR'S TIME: 0
HRS. W/D.P:
HRS WO/D.P:
HRS STANDBY

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

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	10
79	SNGLS. DP	2404.55 FT.	SIZE	6¼
8	D.C. 2" ID 4½" OD	237.34 FT.	MFG.	Smith
			TYPE	L4HJ
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	SIZE	18
	SUBS OD	FT.	SER. NO	43912
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
WT. OF STRING	37000	LBS.	TYPE	

DRILLER: Ed. Brennan

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2½		2660	2661									

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

REMARKS

Drill 6¼" hole	12.230 – 2.5	
Rig serv	2.30 2.35	¼
Start out with #10 bit	2.45 4.00	1¼ x
Fill hole, get mud started	4.30 4.30	½
Trip	4.30 – 7.00	2½ x
Run in with used bit	7.00 8.00	1

MUD RECORD

TIME	1.00		
WEIGHT	9.7		
VISC	64		
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

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

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
79	SNGLS. DP	2404.55 FT.	SIZE	
8	D.C. 2" ID 4¾" OD	237.34 FT.	MFG.	
			TYPE	
	RMR BODY OD	FT.	NOZ. NO	
	STB BODY OD	FT.	SIZE	
	SUBS OD	FT.	SER. NO.	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	267947 FT.	COND. OF BIT	
	TOTAL	266147 FT.	REAMER CUTTER NO.	
WT. OF STRING	37000	LBS.	TYPE	

DRILLER: M Gill

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		2661	2661	–			1000	6"	4	–		
				–								

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

REMARKS

	267947	
8	Run in 2818.34	11
11	Circ – w/o orders	4
	Lost cone in hole	TD fishing
	Tools.	

MUD RECORD

TIME	12		
WEIGHT	9.7		
VISC	50		
W.L.-C.C.	7.8		
FLTR. CK.	2/32		
PH	9		
SD. CONT.			

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

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	2404.55 FT.	SIZE	
8	D.C. 2" ID 4¾" OD	237.34 FT.	MFG.	
			TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	SIZE	
	SUBS OD	FT.	SER NO	
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	267947 FT.	COND. OF BIT	
	TOTAL	266147 FT.	REAMER CUTTER NO.	
WT OF STRING	37000	LBS.	TYPE	

DRILLER: L. Bonnar

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		2661	2661				300	6"	48			

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

REMARKS

4½	Rig Service / BOPS	4.15 ¼
4.15	w/o orders	8:00 7¾
Drillers TD 2661		

MUD RECORD

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

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

C.P.—3B (10/63)

DAILY DRILLING REPORT

REPORT NO. 19 DATE Jan 17/69

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60 53	10 2N	117	96	15		C.4	NWT

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD.
Beg Indian Drilling			

OPERATOR'S REPRESENTATIVE: L. Kenney

CONTRACTOR'S TOOL PUSHER: Ken Sommer

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	B.D. 2000		16
2.			
3.			

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

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7.1	7¾	6¾
REAMING			
CIRCULATING			
TRIPS		6½	
DEVIATION SURVEY			
TEST B.O.P			¼
CUT OFF DRILL LINE			
REPAIR RIG	8	¾	1¼
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 24

OPERATOR'S TIME: 0

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	9
	SNGLS. DP	FT.	SIZE	6¼
	D.C. ID / OD	FT.	MFG.	Smith
			TYPE	L4HJ
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO	43981
	BIT OR C.B.	FT.	DEPTH OUT	2632
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	1N
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: Ed. Brennan

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		2631	2632									

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

REMARKS

Rig Serv. & Work on Repairs 12-9.30-4½
Ream hole
Replace ~~Universal~~ and clutch assembly 4.30-7.15
Replace safety line up backup Cargo 7.45-8

MUD RECORD			
TIME			
WEIGHT	9.7		
VISC	52	64	64
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	300 lbs		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	10
79	SNGLS. DP	2404.25 FT.	SIZE	6¼
	D.C. ID / OD	FT.	MFG.	Smith
			TYPE	L4HJ
	RMR BODY OD	FT.	NOZ. NO	3
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO.	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	37000 LBS.	TYPE	

DRILLER

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		2632	2638									

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

REMARKS

Haist for bit 8-9.45 - 1.¾ x
Rig serv 9.45 10.00 ¼
Respool Drilling line 10.00 - 10.15 ¼
Rig 10.15 - 3-4 (¾) x
Clean shaker shaker 3.00 3.15 ¼
Drill 6¼ hole 3.15 - 4.00 ¾

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	10
79	SNGLS. DP	2404.55 FT.	SIZE	6¼
8	D.C 2" ID / 4¾ OD	237.34 FT.	MFG.	Smith
			TYPE	L4HJ
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	18
	SUBS OD	FT.	SER NO	43982
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	267.94 FT.	COND. OF BIT	
	TOTAL	2260.47 FT.	REAMER CUTTER NO.	
	WT OF STRING	37000 LBS.	TYPE	

DRILLER: A. Bonner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		2638	2860		120	15	390	6"	48			

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

REMARKS

4⁰⁰ Rig SERVICE ✓ B.O.P.S. 4¹⁵ ½
4¹⁵ Drill 6¼ hole 10⁴⁵ 6½
10⁴⁵ WORK ON pump 12⁰⁰ 1¼

MUD RECORD			
TIME	4⁰⁰		10⁰⁰
WEIGHT	9.7		9.7
VISC	58		64
W.L.-C.C.	6.2		5.5
FLTR. CK.	25/32		=
PH	9.		=
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C-P.-38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 18 DATE Jan 16/68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60	33	102N	117	46	15 Shell Kakisa	C-4	N.W.T

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD.
Big Indian Drilling	17		

OPERATOR'S REPRESENTATIVE: L. Kenney

CONTRACTOR'S TOOL PUSHER: Dennis Connor

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G.D.	2000	16
2.			
3.			

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

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7¾	5¼	
REAMING			
CIRCULATING			
TRIPS		4¼	
DEVIATION SURVEY		¼	
TEST B.O.P		4¼	¾
CUT OFF DRILL LINE			
REPAIR RIG	4¼	7¼	7¾
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 24

OPERATOR'S TIME: 0

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	9
8	SNGLS. DP	2615.73 FT.	SIZE	6¼
	D.C. 2" ID / OD	FT.	MFG.	Smith
	RMR/BODY ¾ OD	237.34 FT.	TYPE	L4HJ
	STB BODY OD	FT.	NOZ. NO.	3
	SUBS OD	FT.	NOZ. SIZE	
	BIT OR C.B.	FT.	SER. NO	43981
		FT.	DEPTH OUT	
	KELLY DOWN	2615.73 FT.	CUMULATIVE HOURS RUN	
	TOTAL	2615.73 FT.	COND. OF BIT	
WT. OF STRING	35000 LBS.		REAMER CUTTER NO.	
			TYPE	

DRILLER: D. Brennan

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7¾		2595	2614									

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

REMARKS

Big Indian Drill 6¼ hole

12 - 12:15 - ¼

12.15 - 8

8

MUD RECORD			
TIME	12	4	6
WEIGHT	9.7	9.7	9.7
VISC	65	68	67
W.L.-C.C.		7.2	7.2
FLTR. CK.	2/32		2/32
PH			
SD. CONT.			

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

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	9
	SNGLS. DP	FT.	SIZE	6¼
8	D.C. 2" ID / 4¾ OD	237.34 FT.	MFG.	Smith
	RMR BODY OD	FT.	TYPE	L4HJ
	STB BODY OD	FT.	NOZ. NO	3
	SUBS OD	FT.	NOZ. SIZE	7/16
	BIT OR C.B.	FT.	SER. NO.	43981
		FT.	DEPTH OUT	
	KELLY DOWN	FT.	CUMULATIVE HOURS RUN	
	TOTAL	FT.	COND. OF BIT	
WT. OF STRING	35000 LBS.		REAMER CUTTER NO.	
			TYPE	

DRILLER: M Gill

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		2595	2631									

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

REMARKS

8:00	Drill 6¼ hole	8:45	¾
8:45	Set clutch, conn. Rig Ser BOPS	9:15	½
9:15	Drill 6¼ hole	1:45	4½
2:00	Trip For Bit	2:00	¼
2:00	Tear out driveshaft	4:00	2

MUD RECORD			
TIME	8:00	12:00	
WEIGHT	9.6	9.2	
VISC	65	52	
W.L.-C.C.	8.2		
FLTR. CK.	3/32		
PH	9.5	9.5	
SD. CONT.			

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

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	9
77	SNGLS. DP	2518.59 FT.	SIZE	6¼
8	D.C. 2" ID / 4¾ OD	237.34 FT.	MFG.	Smith
	RMR BODY OD	FT.	TYPE	L4HJ
	STB BODY OD	FT.	NOZ. NO.	3
	SUBS OD	FT.	NOZ. SIZE	18
	BIT OR C.B.	FT	SER NO	43981
		FT.	DEPTH OUT	
	KELLY DOWN	FT.	CUMULATIVE HOURS RUN	
	TOTAL	2647.93 FT.	COND. OF BIT	
WT OF STRING	LBS.		REAMER CUTTER NO.	
			TYPE	

DRILLER: L Bonner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
17¼		2631	2631									

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

REMARKS

4:00	Rig Service	4:15	¼
4:15	W/O Repairs	12:00	7¾

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

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

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 17 DATE JAN 15/68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60 53	10	17	46	15 W	SHELL KAKISA	C-4	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO.	SIZE	TOOL JOINT	OD	TYPE THD.
BIG INDIAN	17		3½	4¾		AI

OPERATOR'S REPRESENTATIVE	CONTRACTOR'S TOOL PUSHER
[illegible]	[illegible]

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G-D	2000	16"
2.			
3.			

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

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	5	11½	4½
REAMING			
CIRCULATING			
TRIPS		5¾	1½
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG	2¼		1
CORING			
WIRE LINE LOGGING			
OTHER	¾	¾	1
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 24

OPERATOR'S TIME: 0

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	8
76	SNGLS. DP	FT.	SIZE	6¼
8	D.C. 2" ID 4¾ OD	FT.	MFG.	REED
			TYPE	YT1
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	OPEN
	SUBS OD	FT.	SER. NO	647055
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	14
	KELLY DOWN	37.58 FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
WT. OF STRING	33000	LBS.	TYPE	

DRILLER: Ed Bonner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
5		2551	2577									

DEVIATION RECORD:

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

REMARKS

Repair Kelly & Swivel		
Pick up Same	12-2	2
Pickup 8 Singles & Replace in	2-2:45	¾
String, Thaw Shale Shaker		
Rig Serv	2:45 3:00	¼
Drill 6¼ hole	3:00	5

MUD RECORD			
TIME	430	6	7
WEIGHT	9.7	9.7	
VISC	55	88	68
W.L.-C.C.		2.2.	
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.
Caustic	25#		
Spersene	25#		
Small stream of water			

DAY TOUR

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

DRILLER: M Gill

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		2577	2581									

DEVIATION RECORD:

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

REMARKS

8:00	Delay 6¼" hole	1½
9:30	Rig Service	¼ ✓
9:45	Trip bit	5¼
3:00	Repair Spinning Chain	½ ✓
3:30	Run in hole	½

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

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	9
77	SNGLS. DP	2340.81 FT.	SIZE	6¼
8	D.C 2" ID 4¾ OD	237.34 FT.	MFG.	SMITH
			TYPE	L4HJ
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER NO	43981
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	37.58 FT.	COND. OF BIT	
	TOTAL	2615.73 FT.	REAMER CUTTER NO.	
WT OF STRING	35000	LBS.	TYPE	

DRILLER: L Bonner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
4½		2581	2595		120	14	400	6"	[illegible]			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

4:00	Run in hole	5:30	1½
5:30	Rig Service ✓ B.O.P.S	6:00	½
6:00	Drill 6¼ hole	8:00	2
8:00	Work on Pumps	9:30	1
9:30	Drill 6¼ hole	12:00	2½

MUD RECORD			
TIME	800	1000	
WEIGHT	9.6	9.7	
VISC	70	90	
W.L.-C.C.		7.	
FLTR. CK.		3/32	
PH		9.5	
SD. CONT			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.
Caustic	25#		
Spersene	5		

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 16 DATE Jan 14/68

OPERATOR	LOCATION LSD. 60	SEC. 19	TWP. 21	RGE. 46	W. 15W	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED						Shell Hakisa	C 4	N.W.T

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	OD
Big Indian	17	5½	4¾	

OPERATOR'S REPRESENTATIVE: Kenney

CONTRACTOR'S TOOL PUSHER: Dennis Cosman

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G.D.	2000	16
2.			
3.			

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

TIME DISTRIBUTION—HOURS

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

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 24

OPERATOR'S TIME: 0

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		FT.	BIT RECORD	
	STANDS	DP		RUN NO.	64
75	SNGLS.	DP		SIZE	Real
	D.C. 2"	ID		MFG.	HI
8	4 3/4	OD		TYPE	open
	RMR BODY	OD		NOZ. NO.	
	STB BODY	OD		NOZ. SIZE	E 47038
	SUBS	OD		SER. NO	
	BIT OR C.B.			DEPTH OUT	
				CUMULATIVE HOURS RUN	
	KELLY DOWN			COND. OF BIT	
	TOTAL			REAMER CUTTER NO.	
WT. OF STRING			LBS.	TYPE	

DRILLER: L. Brennan

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

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

REMARKS

Circ Hole & W/O/ Repairs

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Sa	1		

DAY TOUR

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

DRILLER: G. Bonnar

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

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

REMARKS

Circ Hole & W/O/ Repairs

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

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

DRILLER: Mike Gill

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

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

REMARKS

Circ Hole & W/O Repairs

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 15 DATE JAN 13/68

OPERATOR	LOCATION	LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60°	53	10 2N	117°	46'	15 W	SHELL KAKISA	C-4	N. W.T.

CONTRACTOR: Big Indian — RIG No. 17

DRILL PIPE STRING NO. SIZE: 5½ — TOOL JOINT: 4¾ OD — TYPE THD. AI

OPERATOR'S REPRESENTATIVE: [illegible]

CONTRACTOR'S TOOL PUSHER: Dennis Connor

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G-O	2000	16'
2.			
3.			

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

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	3¼	5¾	3¼
REAMING			
CIRCULATING			
TRIPS	3¼		3¼
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG		2¼	1½
CORING			
WIRE LINE LOGGING			
OTHER	1½		
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 24

OPERATOR'S TIME: 0

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	8
75	SNGLS. DP	2287.19 FT.	SIZE	6¼
8	D.C. 2" ID 4¾ OD	237.34 FT.	MFG.	REED
			TYPE	YT1
	RMR BODY OD	FT.	NOZ. NO.	OPEN
	STB BODY OD	FT.	SIZE	
	SUBS OD	FT.	SER. NO	E47038
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	37.58 FT.	COND. OF BIT	
	TOTAL	2552.11 FT.	REAMER CUTTER NO.	
WT. OF STRING	33000 LBS.		TYPE	

DRILLER: L Bonnar

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2¼		2509	2527									

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

REMARKS

12⁰⁰	Trip For Bit	2⁰⁰	2 ✓
2⁰⁰	Starting Mack	3⁰⁰	1
3⁰⁰	Finish Trip	4⁴⁵	1¼ ✓
4⁴⁵	Thaw & Start Shaker		
	work 12 Ft fill	4⁴⁵	½
4⁴⁵	Drill 6¼ hole	8⁰⁰	3¼

MUD RECORD

TIME	6 AM		
WEIGHT	9.8		
VISC	58		
W.L.-C.C.	6.4		
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	8
75	SNGLS. DP	FT.	SIZE	6¼
8	D.C. 2" ID 4¾ OD	FT.	MFG.	Reed
			TYPE	YT1
	RMR BODY OD	FT.	NOZ. NO	open
	STB BODY OD	FT.	SIZE	
	SUBS OD	FT.	SER. NO.	E47038
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
WT. OF STRING	33000 LBS.		TYPE	

DRILLER: Ed. Brennan

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		2527	2551									

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

REMARKS

Drill 6¼ hole	8 - 9.45	1¾
Rig Serv.	9.45 10.00	¼
Drill 6¼ hole	10 - 2.00	4
Repairing Kelly	2 - 4	2

MUD RECORD

TIME	8	10	12
WEIGHT	9.8	9.8	9.8
VISC	68	66	66
W.L.-C.C.		4.8	
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
	nil		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	8
75	SNGLS. DP	FT.	SIZE	6¼
8	D.C. 2" ID 4¾ OD	FT.	MFG.	REED
			TYPE	YT1
	RMR BODY OD	FT.	NOZ. NO.	OPEN
	STB BODY OD	FT.	SIZE	
	SUBS OD	FT.	SER NO	E47038
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
WT OF STRING	33000 LBS.		TYPE	

DRILLER: Mike Gill

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		2551	2554									

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

REMARKS

SERVICE RIG	4:00 - 4:15	¼
PUT KELLY HOLE ON STRING TO CIRC	4:15-4:30	¼
REPAIR KELLY	4:30-8:15	3¾
WAIT ON PARTS	8:15-12:00	3¾
		8

MUD RECORD

TIME	4	6	8
WEIGHT	9.8	9.8	9.6
VISC	66	64	60
W.L.-C.C.	5	6	6
FLTR CK.			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
	Nil		

C.P.-38 (10/63)

DAILY DRILLING REPORT

REPORT NO. DATE JAN 12/68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60° 53'	10 2N	117°	46'	15 W	SHELL KAKISA	C-4	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	OD
BIG INDIAN	17	3½	4 3/4	
OPERATOR'S REPRESENTATIVE	CONTRACTOR'S TOOL PUSHER		TYPE THD.	AI
	Dennis Connor			

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G-D	2000	16"
2.			
3.			

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7¾	7	4¾
REAMING			
CIRCULATING			
TRIPS			1½
DEVIATION SURVEY			
TEST B.O.P	¼		¼
CUT OFF DRILL LINE			
REPAIR RIG		1	
CORING			
WIRE LINE LOGGING			
OTHER			½
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD	
	STANDS DP		FT.	RUN NO.	7
73	SNGLS. DP	221505	FT.	SIZE	6¼
8	D.C. ID / OD	23734	FT.	MFG.	REED
				TYPE	4Ti
	RMR BODY OD		FT.	NOZ. NO.	OPEN
	STB BODY OD		FT.	SIZE	
	SUBS OD		FT.	SER. NO	E76134
	BIT OR C.B.		FT.	DEPTH OUT	2509
			FT.	CUMULATIVE HOURS RUN	21½
	KELLY DOWN	3758	FT.	COND. OF BIT	IN
	TOTAL	2449 97	FT.	REAMER CUTTER NO.	
WT. OF STRING		32000	LBS.	TYPE	

DRILLER: L Bonner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
8¼		2437	2472		120	14	300	6"	48			

DEVIATION RECORD:

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

REMARKS

12 00	Rig Service	12 15	¼
12 15	Drill 6¼ hole	8 00	7¾

MUD RECORD

TIME	12 AM	2 AM	6 AM
WEIGHT	9.7	9.7	9.7
VISC	60	62	55
W.L.-C.C.	6.4	6.4	6.6
FLTR. CK.	3/32	3/32	3/32
PH	9.5	9.5	9.5
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD	
	STANDS DP		FT.	RUN NO.	7
74	SNGLS. DP	215664	FT.	SIZE	6¼
8	D.C. ID / OD	23734	FT.	MFG.	REED
				TYPE	4Ti
	RMR BODY OD		FT.	NOZ. NO	OPEN
	STB BODY OD		FT.	SIZE	
	SUBS OD		FT.	SER. NO.	E76134
	BIT OR C.B.		FT.	DEPTH OUT	
	-		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	3758	FT.	COND. OF BIT	
	TOTAL	2421 56	FT.	REAMER CUTTER NO.	
WT. OF STRING		~~2[illegible]~~	LBS.	TYPE	

DRILLER: Ed Brenner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
15¼		2472	2494		120	14	300	6"	48			

DEVIATION RECORD:

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

REMARKS

8 00	Drill 6¼ hole	930	1½
9 30	Rig Serv	10 30	1
10 30	Drill 6¼ hole	4 00	5½

MUD RECORD

TIME	8 AM	12 00	2 00
WEIGHT	9.5	9.7	9.7
VISC	55	48	73
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	400		
CMC	25		

EVENING TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD	
	STANDS DP		FT.	RUN NO	7
74	SNGLS. DP	215664	FT.	SIZE	6¼
8	D.C. ID / OD	23734	FT.	MFG.	REED
				TYPE	4Ti
	RMR BODY OD		FT.	NOZ. NO.	OPEN
	STB BODY OD		FT.	SIZE	
	SUBS OD		FT.	SER NO	E76134
	BIT OR C.B.		FT	DEPTH OUT	
			FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	3758	FT.	COND. OF BIT	
	TOTAL	252156	FT.	REAMER CUTTER NO.	
WT OF STRING		33000	LBS.	TYPE	

DRILLER: Ed Brenner & Bonner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
21		2494	2509		120	14	300	6"	48			

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

4 00	Drill 6¼ hole	5 00	1
5 00	Rig Service	5 15	¼
5 15	Drill 6¼ hole	10 15	5
10 15	Prepare To Trip	10 45	½
10 45	Trip For Bit	12 00	1¼

MUD RECORD

TIME	4 00	6 00
WEIGHT	9.7	9.8
VISC	65	62
W.L.-C.C.		
FLTR CK.		
PH		
SD. CONT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

CP-38 (10/63) **DAILY DRILLING REPORT** REPORT NO. DATE JAN 11/68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60° 53'	10 2N	117°	46°	15 W	SHELL KAKISA	C-4	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	TYPE THD.
BIG INDIAN	17	3½	4¾ OD	AI

OPERATOR'S REPRESENTATIVE

CONTRACTOR'S TOOL PUSHER: Dennis Conner

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	GD	2000	16"
2.			
3.			

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

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7½	5½	2
REAMING			
CIRCULATING			
TRIPS		1½	5¼
DEVIATION SURVEY			
TEST B.O.P	¼		
CUT OFF DRILL LINE			
REPAIR RIG		1	2¼
CORING			
WIRE LINE LOGGING			
OTHER	¼		
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8		8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	215 131 FT.	RUN NO.	6
71	SNGLS. DP	FT.	SIZE	6¼
8	D.C. 2" ID 4¾ OD	237.34 FT.	MFG.	REED
			TYPE	YT1
	RMR BODY OD	FT.	NOZ. NO.	Rig
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO	E47039
	BIT OR C.B.	FT.	DEPTH OUT	
		37.58	CUMULATIVE HOURS RUN	
	KELLY DOWN	242693	COND. OF BIT	
	TOTAL	32000	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER: Leroy Bonner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
12½		2348	2403		120	14	400	6"	48			

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

REMARKS

12	Drill 6¼ hole
1	Rig Service
1	Drill 6¼ hole
1½	B.O.P
8½	
1½	2403
½	2348
6¼	55

2426 2

MUD RECORD

TIME	2 AM		6 55
WEIGHT	9.5		9.8
VISC	66		65
W.L.-C.C.	6.2		6.2
FLTR. CK.	32	=	=
PH	9	=	=
SD. CONT.	1		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	6
	SNGLS. DP	2182.93 FT.	SIZE	6¼
8	D.C. 2" ID 4¾ OD	237.34 FT.	MFG.	REED
			TYPE	YT1
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	Rig
	SUBS OD	FT.	SER. NO.	E47039
	BIT OR C.B.	FT.	DEPTH OUT	2432
		FT.	CUMULATIVE HOURS RUN	18
	KELLY DOWN	37.58 FT.	COND. OF BIT	1N
	TOTAL	2457.85 FT.	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		2403	2432		100	13	400	6	45			

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

REMARKS

800	DRILLING
915	RIG SERVICE
1000	DRILLING
215	TRIPPING
345	TROUBLE WITH LITE PLANT
400	

MUD RECORD

TIME	8	1000	1200
WEIGHT	9.8	9.8	9.8
VISC	67	65	65
W.L.-C.C.			6.2
FLTR. CK.			
PH			8
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	7
72	SNGLS. DP	2182.93 FT.	SIZE	6¼
8	D.C. ID OD	237.34 FT.	MFG.	REED
			TYPE	YT1
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	Rig
	SUBS OD	FT.	SER NO	E7134
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	37.58 FT.	COND. OF BIT	
	TOTAL	2457.85 FT.	REAMER CUTTER NO.	
WT OF STRING		32000 LBS.	TYPE	

DRILLER: Peter D Bonner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
½		2432	2457		120	14	300	6"	48			

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

REMARKS

400	TRIPPING CHECK ALL RAMS IN B.O.P.
900	SET clutch + Brakes
	REPAIR KELLY GUIDES THAW SWIVEL
1130	Drill 6¼ hole

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. DATE JAN 10 168

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60° 53'	10 28	117°	46°	15W	SHELL KAKISA	C-4	N.W.T

CONTRACTOR: Big Indian — RIG No. 17

DRILL PIPE STRING NO. SIZE — TOOL JOINT 4 1/4 OD — TYPE THD. AI

OPERATOR'S REPRESENTATIVE — CONTRACTOR'S TOOL PUSHER: Kennil Cowan

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G-D	2000	16
2.			
3.			

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7½	14	5
REAMING			
CIRCULATING			
TRIPS		6¼	2
DEVIATION SURVEY			
TEST B.O.P	¾		
CUT OFF DRILL LINE			
REPAIR RIG		½	1
CORING			
WIRE LINE LOGGING			
OTHER	¾		
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8		8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

DRILLING ASSEMBLY

NO.			
	STANDS DP		FT.
66	SNGLS. DP	2187.03	FT.
5	D.C. 2" ID 4¾ OD	149.40	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	37.85	FT.
	TOTAL	2274.01	FT.
WT. OF STRING		25000	LBS.

DRILLER: L. Bonner

BIT RECORD

RUN NO.	5
SIZE	6¾
MFG.	REED
TYPE	YT1
NOZ. NO. / SIZE	RG
SER. NO	E96029
DEPTH OUT	
CUMULATIVE HOURS RUN	
COND. OF BIT	
REAMER CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
12½		2241	2267		120	14	300	6"	48			
			2299									

DEVIATION RECORD: DEPTH 2241 DEV. 1½° DIRECTION / DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION

MUD RECORD

TIME	12⁰⁰
WEIGHT	
VISC	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT.	

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

REMARKS

12⁰⁰	Rig Service ✓ B.O.P.S 12³⁰ ½
	Swivel ½
12³⁰	Drill 6¼ hole 8⁰⁰ 7½

DAY TOUR

DRILLING ASSEMBLY

NO.			
	STANDS DP		FT.
	SNGLS. DP	2188.63	FT.
6	D.C. 2" ID 4¾ OD	149.40	FT.
	RMR BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	37.58	FT.
	TOTAL	2306.17	FT.
WT. OF STRING			LBS.

DRILLER: L. Peters

BIT RECORD

RUN NO.	5
SIZE	6¾
MFG.	REED
TYPE	YT1
NOZ. NO. / SIZE	RG
SER. NO.	E96029
DEPTH OUT	2306
CUMULATIVE HOURS RUN	13½
COND. OF BIT	IN
REAMER CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		2299	2306		120	14	300	6"	44			

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

MUD RECORD

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

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

REMARKS

800	DRILLING
915	RIG SERVICE 915
945	T RIPPING
400	

EVENING TOUR

DRILLING ASSEMBLY

NO.			
	STANDS DP		FT.
69	SNGLS. DP	2124.61	FT.
8	D.C. 2" ID 4¾ OD	237.34	FT.
	RMR. BODY OD		FT.
	STB BODY OD		FT.
	SUBS OD		FT.
	BIT OR C.B.		FT.
			FT.
	KELLY DOWN	37.58	FT.
	TOTAL	2361.95	FT.
WT OF STRING		30000	LBS.

DRILLER: L. Peters L. Bonner

BIT RECORD

RUN NO	6
SIZE	6¾
MFG.	REED
TYPE	YT1
NOZ. NO. / SIZE	RG
SER NO	E97039
DEPTH OUT	
CUMULATIVE HOURS RUN	
COND. OF BIT	
REAMER CUTTER NO.	
TYPE	

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
5		2306	2348		120	14	300	6"	48			

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

MUD RECORD

TIME	8 PM	10 PM
WEIGHT	9.5	9.7
VISC	50	62
W.L.-C.C.	7.6	7.6
FLTR CK.		
PH		
SD. CONT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	500		
DYISCOES	50		

REMARKS

400	TRIPPING. PICK UP 3 MORE DRILL COLLARS
600	RIG REPAIRS
700	DRILLING 12⁰⁰ 5

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 11 DATE JAN 9/68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60	53	102N	117	46 15W	SHELL KAKISA	C-4	N.W.T

CONTRACTOR: Big Indian — RIG No. 17 — DRILL PIPE STRING NO. SIZE — TOOL JOINT 4 3/4 OD — TYPE THD. AI

OPERATOR'S REPRESENTATIVE: [illegible] — CONTRACTOR'S TOOL PUSHER: Dennis Connor

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G-D	2000	16
2.			
3.			

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

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL		15	5
REAMING	6 1/4		
CIRCULATING			1/2
TRIPS		5 1/2	2 1/2
DEVIATION SURVEY			
TEST B.O.P	1/4		1/4
CUT OFF DRILL LINE			
REPAIR RIG	1 1/2	1 1/4	
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 24

OPERATOR'S TIME: 0

HRS. W/D.P:

HRS. WO/D.P:

HRS. STANDBY

WIRE LINE RECORD

REEL NO

NO. OF LINES — SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	4
55	SNGLS. DP	2093.01 FT.	SIZE	6 1/4
5	D.C. 2" ID 4 3/4 OD	9008 FT.	MFG.	SMITH
			TYPE	DTJ
	RMR BODY OD	FT.	NOZ. NO.	REG
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO	44519
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	37.58 FT.	COND. OF BIT	
	TOTAL	5732 FT.	REAMER CUTTER NO.	
WT. OF STRING	22136 LBS. 11000		TYPE	21367

DRILLER: L Bonnar

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
14 1/2		2149	2196		120	14	300	6"	48			

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

REMARKS

12:00	HOOK UP STEAM LINES, THAW SHAKER, TABLE, REPAIR KELLY GUIDES 1:30 — 1 1/2
1:30	RIG SERVICE ✓ B.O.P.S. 1:45 — 1/4
1:45	DRILL 6 1/4 HOLE 6:00 — 6 1/4

MUD RECORD

TIME	2 AM	4 AM	
WEIGHT	9.2	9.3	9.3
VISC	62	65	67
W.L.-C.C.	7		7
FLTR. CK.	2/32	-	-
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	600		
SPERSENE	100		
WATER	50 B.		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	4
55	SNGLS. DP	2083.01 FT.	SIZE	6 1/4
3	D.C. 2" ID 4 3/4 OD	9008 FT.	MFG.	SMITH
			TYPE	DTJ
	RMR BODY OD	FT.	NOZ. NO.	Reg
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO.	44519
	BIT OR C.B.	FT.	DEPTH OUT	2206
		FT.	CUMULATIVE HOURS RUN	15 1/2
	KELLY DOWN	37.58 FT.	COND. OF BIT	T8 B3 G0
	TOTAL	2213.67 FT.	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER: L Peters

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		2196	2206		120	14	300	6"	45			

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

REMARKS

800	DRILLING 12 11
915	SERVICE RIG
945	TRIPPING
1045	WORKING ON MIXE PLANT
1130	TRIPPING, TALLY OUT OF HOLE
	BIT STARTING TO SKID. PICKED UP 2 EXTRA
400	D.COLLARS TO RUN IN.

REG. PIPE TALLY 2213.67 MEASURED OUT OF HOLE AT 2214.40'

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	5
55	SNGLS. DP	2052.84 FT.	SIZE	6 1/4
5	D.C ID OD	1494.0 FT.	MFG.	REED
			TYPE	YT 1
	RMR BODY OD	FT.	NOZ. NO.	Reg
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER NO	E96029
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	37.58 FT.	COND. OF BIT	
	TOTAL	2241.82 FT.	REAMER CUTTER NO.	
WT OF STRING	22000 LBS.		TYPE	

DRILLER: L Peters / L Bonnar

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
5		2206	2241		120	14	400	6"	48			

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

REMARKS

400	TRIPPING
630	WASH OUT FILL IN HOLE
700	DRILLING 6 1/4 hole 12:00 — 5
	8

MUD RECORD

TIME	8:00		
WEIGHT	9.4		
VISC	42		
W.L.-C.C.	6.4		
FLTR CK.	2/32		
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	300		

C.F.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. #10 DATE Jan 8/68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60° 53' 10.7"N		117° 46' 15"W			Shell Kakisa	C-4	NWT

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD.
BIG INDIAN	17		

OPERATOR'S REPRESENTATIVE: [illegible]

CONTRACTOR'S TOOL PUSHER: Dennis Connor

PUMPS

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

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

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

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

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

DRILLER: L Bonner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		2150										

DEVIATION RECORD:

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

REMARKS

REPAIRING BUTTER

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

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

DRILLER

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

DEVIATION RECORD:

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

REMARKS

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

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

DRILLER

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

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 9 DATE Jan 7/68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60-53	102N	46'	15'	W	SHELL KAKISA	C-4	N.W.T

CONTRACTOR: Big Indian — RIG No. 17 — DRILL PIPE STRING NO. SIZE — TOOL JOINT 4 3/4 OD — TYPE THD. AI

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

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G-D	2000	16'
2.			
3.			

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

TIME DISTRIBUTION—HOURS

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

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 24

OPERATOR'S TIME: 0

HRS. W/D.P:

HRS. WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	4
	SNGLS. DP	FT.	SIZE	6 1/4
3	D.C. 2" ID 4 3/4" OD	FT.	MFG.	~~SMITH~~
			TYPE	DTJ
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	SIZE	REG
	SUBS OD	FT.	SER. NO	44517
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER: L Bonner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		2052										

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

REMARKS

12 00	Rig Service ✓ B.O.P.S 12 30 1/4 & 1/4
12 30	Trip in hole 4 30 4
4 30	Blew Kelly hose ✓
	Repair same 8 00 3 1/2

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP 4	FT.	RUN NO.	4
	SNGLS. DP	189.63 FT.	SIZE	6 1/4
3	D.C. 2" ID 4 3/4" OD	90.68 FT.	MFG.	SMITH
			TYPE	DTJ
	RMR BODY OD	FT.	NOZ. NO	
	STB BODY OD	FT.	SIZE	Reg
	SUBS OD	FT.	SER. NO.	44517
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	4 1/2
	KELLY DOWN	217.29 FT.	COND. OF BIT	
	TOTAL	2106 FT.	REAMER CUTTER NO.	
WT. OF STRING		2400 LBS.	TYPE	

DRILLER: G Peters

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		2052	2106		125	14	600	6"	45			

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

REMARKS

800	Rig Service
830	mix mud to build up volume. Thaw out blocks and tong weights froze up after Kelly hose broke.
11.30	Drilling 6 1/4" hole
400	

MUD RECORD

TIME	12	2
WEIGHT	9.3	9.3
VISC	68	68
W.L.-C.C.	6.8	
FLTR. CK.		
PH		
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	100	WATER	55 BBL
DISPERSENE	2 SX		
CAUSTIC	2 SX		
CMC	50#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	4
	SNGLS. DP	FT.	SIZE	6 1/4
3	D.C 2" ID 4 3/4" OD	FT.	MFG.	SMITH
			TYPE	DTJ
	RMR BODY OD	FT.	NOZ. NO.	REG
	STB BODY OD	FT.	SIZE	
	SUBS OD	FT.	SER NO	44517
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	8 3/4
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
WT OF STRING		LBS.	TYPE	

DRILLER: N Lillett

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		2106	2150		125	14	400	6	44			

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

REMARKS

400	Drill 6 1/4 Hole 5 00
500	Rig Service 5 30
5 30	Drill 6 1/4 Hole 900
900	Boiler Brake Down

MUD RECORD

TIME	4	6
WEIGHT	9.4	9.4
VISC	68	6.3
W.L.-C.C.	6.0	
FLTR CK.		
PH		
SD. CONT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 8 DATE Jan 6/68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60'	53	102N	46'	15' W	SHELL KAKISA	C-4	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO.	SIZE	TOOL JOINT	OD	TYPE THD.
Big Indian	17	3	3½	4¾		AI

OPERATOR'S REPRESENTATIVE: [illegible]

CONTRACTOR'S TOOL PUSHER: [illegible]

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G-D	2000	16'
2.			
3.			

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

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	3½	7½	
REAMING			
CIRCULATING	1¼		
TRIPS			5
DEVIATION SURVEY			
TEST B.O.P	¼		
CUT OFF DRILL LINE			
REPAIR RIG	1		
CORING			
WIRE LINE LOGGING			
OTHER		½	
FISHING			2
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 24

OPERATOR'S TIME: 0

HRS. W/D.P:

HRS WO/D.P:

HRS. STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

RESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	3
59	SNGLS. DP	1869.2 FT.	SIZE	6¼
3	D.C. 2" ID 4¾ OD	90.08 FT.	MFG.	SMITH
			TYPE	4T3
	RMR BODY OD	FT.	NOZ. NO.	REG
	STB BODY OD	FT.	SIZE	
	SUBS OD	FT.	SER. NO	352115
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	37.58 FT.	COND. OF BIT	
	TOTAL	1959.28 FT.	REAMER CUTTER NO.	
WT. OF STRING	18000 LBS.		TYPE	

DRILLER: L Bonner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
9		1798	1949		120	14000	300	6"	48			

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

REMARKS

12⁰⁰	Rig service & B.O.P.S 12¹⁵ ¼
12¹⁵	work on flowline & nipple
	Thaw Kelly swivel 1⁰⁰ ¾
1⁰⁰	Drill 6¼ hole 2⁴⁵ 1¾
2⁴⁵	Circ. to mix mud 4¹⁵ 1¼
4¹⁵	Drill 6¼ hole 6⁰⁰ 1¾

MUD RECORD

TIME	12⁰⁰	6 AM
WEIGHT	8.9	8.7
VISC		40
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WATER	250 B	CMC	50 lbs.
SPECTRE	300		
CASTIC	4 SKS		
GEL	30		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	3
	SNGLS. DP	1926.60 FT.	SIZE	6¼
3	D.C. ID OD	90.08 FT.	MFG.	REED
			TYPE	VT3
	RMR BODY OD	FT.	NOZ. NO	Reg
	STB BODY OD	FT.	SIZE	
	SUBS OD	FT.	SER. NO.	352115
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	16½
	KELLY DOWN	2054.26 FT.	COND. OF BIT	
	TOTAL	2045 FT.	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER: L Peters

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
19		1949	2045									

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

REMARKS

800	DRILLING
815	RIG SERVICE
845	DRILLING
400	

MUD RECORD

TIME	800	1000
WEIGHT		9.4
VISC	43	62
W.L.-C.C.		6.8
FLTR. CK.		
PH		
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	3
	SNGLS. DP	1924.36 FT.	SIZE	6¼
3	D.C. 2" ID 4¾ OD	90.08 FT.	MFG.	REED
			TYPE	VT3
	RMR BODY OD	FT.	NOZ. NO.	Reg
	STB BODY OD	FT.	SIZE	
	SUBS OD	FT.	SER NO	352115
	BIT OR C.B.	FT	DEPTH OUT	2052
		FT.	CUMULATIVE HOURS RUN	18
	KELLY DOWN	37.58 FT.	COND. OF BIT	0
	TOTAL	2050 FT.	REAMER CUTTER NO.	
WT OF STRING	20000 LBS.		TYPE	

DRILLER: L Peters & L Bonner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
18		2045	2052		100	12000	300		48			

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

REMARKS

400	DRILLING
600	TRIPPING FOR BIT CHANGE. ELEVATORS UNLATCHED
	& DROPPED 26 SINGLES + 3 D. COLLARS IN HOLE. RUN
	IN OPEN END TO FISH. 12⁴⁵

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 7 DATE Jan 5 1'68

OPERATOR	LOCATION LSD	SEC.	TWP.	RGE.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	53	18	2 N	26	15 W	SHELL KAHIBA C-4	N.W.T

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	TYPE THD.
Big Indian	17		4 3/4 OD	AI

OPERATOR'S REPRESENTATIVE: [illegible] Kennedy

CONTRACTOR'S TOOL PUSHER: [illegible]

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G-D	2000	16"
2.			
3.			

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

TIME DISTRIBUTION—HOURS

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

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 24

OPERATOR'S TIME: 0

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	2
44	SNGLS. DP	1423.99 FT.	SIZE	6 1/4
3	D.C. 2" ID 4 3/4 OD	90.06 FT.	MFG.	SMITH
			TYPE	DTJ
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	16
	SUBS OD	FT.	SER. NO	44518
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	37.58 FT.	COND. OF BIT	
	TOTAL	1514.67 FT.	REAMER CUTTER NO.	
WT. OF STRING	12000 LBS.		TYPE	

DRILLER: [illegible] Bonnar

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
14 1/2		1150	1514		120	ALL	300	6"	48			

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1196	1/2							

REMARKS

12 00	Rig Service & BOPs	12 30	1/2
12 30	Drill 6 1/4 hole	1 30	1
1 30	Survey	1 45	1/4
1 45	Drill 6 1/4 hole	8	6 1/4

MUD RECORD

TIME	12 00	4 30	6 00
WEIGHT	8.5	8.6	8.7
VISC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WATER	200 B.		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	2
	SNGLS. DP	1543.58 FT.	SIZE	6 1/4
3	D.C. ID OD	90.08 FT.	MFG.	SMITH
			TYPE	DTJ
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	16
	SUBS OD	FT.	SER. NO.	44518
	BIT OR C.B.	FT.	DEPTH OUT	1656
		FT.	CUMULATIVE HOURS RUN	18 1/4
	KELLY DOWN	1671.24 FT.	COND. OF BIT	T3 B2 G2
	TOTAL	1656 FT.	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		1514	1655				300	6	48			

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

REMARKS

800	DRILLING
825	SERVICE RIG
845	DRILLING
1115	REPAIR KELLY GUIDES
1200	DRILLING while drilling
100	TWISTED OFF AT 1655'. TOP OF FISH AT 239'
	FISHED WITH BOWEN OVERSHOT 5 1/2 OD, 3 1/2 I.D. GRAPPLE
300	TRIPPING OUT. Recovered Fish

MUD RECORD

TIME	8 00	10 00
WEIGHT	9.6	9.2
VISC		
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	3
53	SNGLS. DP	1671.30 FT.	SIZE	6 1/4
3	D.C. 2" ID 4 3/4 OD	90.08 FT.	MFG.	REED
			TYPE	YT3
	RMR BODY OD	FT.	NOZ. NO.	Rg
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER NO	352115
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	37.58 FT.	COND. OF BIT	
	TOTAL	1799.96 FT.	REAMER CUTTER NO.	
WT OF STRING	15000 LBS.		TYPE	

DRILLER: [illegible] Peters [illegible] Bonnar

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
3 1/2		1655	1798		120	12000	300	6"	48			

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	1767	3/4							

REMARKS

400	TRIP FOR BIT CHANGE, 30' OF FILL IN HOLE	
700	SET UP ROTARY CLUTCH	7 15
715	DRILLING	10 45
1045	SURVEY DRAIN DOWN CHANGE	
	Flow Nipple, CLEAN TANKS & MUD UP	12 00

MUD RECORD

TIME		10 00
WEIGHT		9.8
VISC		
W.L.-C.C.		
FLTR CK.		
PH		
SD. CONT		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 6 DATE Jan 14/68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60	23	102 N	46	15 W	SHELL KAKIBA	C-4	N.W.T

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	TYPE THD.
Big INDIAN	17		4 3/4 OD	AI

OPERATOR'S REPRESENTATIVE: L. Kenney

CONTRACTOR'S TOOL PUSHER: Denis Connor

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G-D	2000	16"
2.			
3.			

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

TIME DISTRIBUTION—HOURS

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

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 24

OPERATOR'S TIME: 0

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	1
	SNGLS. DP	568.31 FT.	SIZE	6 1/4
5	D.C. 2" ID 4 3/4 OD	144.99 FT.	MFG.	SMITH
			TYPE	DTJ
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	SIZE	16
	SUBS OD	FT.	SER. NO	39007
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	717.35 FT.	COND. OF BIT	
	TOTAL	704 FT.	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER: L. Bonnar

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
18		550	704		100	10	300		44			

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

REMARKS

12 00	Rig Service B.O.P.S 12 30 1/2
12 30	Drill 6 1/4 hole 6 00 7 1/2

MUD RECORD

TIME	2 AM	4 00	6 00
WEIGHT	8.6	8.7	8.5
VISC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WATER	200 BBLS		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
	STANDS DP	FT.	RUN NO.	1	2
	SNGLS. DP	689.61 FT.	SIZE	6 1/4	6 1/4
3	D.C. 2" ID 4 3/4 OD	90.08 FT.	MFG.	SMITH	SMITH
			TYPE	DTJ	DTJ
	RMR BODY OD	FT.	NOZ. NO	3	3
	STB BODY OD	FT.	SIZE	16	16
	SUBS OD	FT.	SER. NO.	39007	44518
	BIT OR C.B.	FT.	DEPTH OUT	337	
		FT.	CUMULATIVE HOURS RUN	19 1/4	
	KELLY DOWN	817.27 FT.	COND. OF BIT	T3 A3 G0	
	TOTAL	817.27 FT.	REAMER CUTTER NO.		
WT. OF STRING		LBS.	TYPE		

DRILLER: L. Peters

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

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	717'	3/4°							

REMARKS

800	RUN SURVEY
815	SERVICE RIG
845	DRILLING
1000	TRIP FOR BIT CHANGE. LAY DOWN 2 DRILL COLLARS WITH WASHED THREADS
1245	DRILLING
400	

MUD RECORD

TIME	2 PM		
WEIGHT	8.6		
VISC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
33	STANDS DP	1074.92 FT.	RUN NO	2
	SNGLS. DP	FT.	SIZE	6 1/4
3	D.C. ID OD	90.08 FT.	MFG.	SMITH
			TYPE	DTJ
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	SIZE	16
	SUBS OD	FT.	SER NO	44518
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	37.58 FT.	COND. OF BIT	
	TOTAL	1164.90 FT.	REAMER CUTTER NO.	
WT OF STRING		100000 LBS.	TYPE	

DRILLER: L. Peters L. Bonnar

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		817	1150		100	10	300	6"	44			

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

REMARKS

400	DRILLING 12 00 8

MUD RECORD

TIME	6 30	10 00	
WEIGHT	8.8	8.7	
VISC			
W.L.-C.C.			
FLTR CK.			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WATER			

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 5 DATE Jan 3/68

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60° 53' 10.2" N 117° 46'15" W	Shell Kakiak	C-4	N.W.T

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD.
B.19 Indian Drilling	17		AI

OPERATOR'S REPRESENTATIVE: [illegible]

CONTRACTOR'S TOOL PUSHER: Dennis Conn

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G-D	200	16
2.			
3.			

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

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	2¾	4¼	6¾
REAMING			
CIRCULATING			
TRIPS			
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG	4½ TH		1¼
CORING			
WIRE LINE LOGGING			
OTHER	¾		
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 24

OPERATOR'S TIME: 0

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	1
8	SNGLS. DP	249.99 FT.	SIZE	6¼
5	D.C. 2" ID 4¾ OD	148.99 FT.	MFG.	SMITH
			TYPE	DTJ
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	16
	SUBS OD	FT.	SER. NO	39007
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	430 FT.	COND. OF BIT	
	TOTAL	1135.46 FT.	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER: [illegible] 249.99

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		255	430		190	ALL	350	6	48			

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

REMARKS

12⅝	Rig Service
12¼	Work on pump drain down
3¾	Drill 6¼ hole
7¼	~~[illegible]~~
12¼	4½
3¾	2¾
7¼	4¼
8½	¾

MUD RECORD

TIME	4½ AM		
WEIGHT	8.7		
VISC			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	1
	SNGLS. DP	278.70 FT.	SIZE	6¼
5	D.C. 2¼ ID 4¾ OD	148.99 FT.	MFG.	SMITH
			TYPE	DTJ
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	16
	SUBS OD	FT.	SER. NO	39007
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	~~465.27~~ FT.	COND. OF BIT	
	TOTAL	465.27 FT.	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER

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

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

REMARKS

800	Rig Service
830	Repair rotary clutch & Kelly guides
345	Drilling
	249
	51

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	1
12	SNGLS. DP	1069.82 FT.	SIZE	6¼
5	D.C 2" ID 4¾ OD	148.99 FT.	MFG.	SMITH
			TYPE	DTJ
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	16
	SUBS OD	FT.	SER NO	39007
	BIT OR C.B.	40 FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	558.81 FT.	COND. OF BIT	
	TOTAL	543.81 FT.	REAMER CUTTER NO.	
WT OF STRING		16000 LBS.	TYPE	

DRILLER: [illegible] J. Bonner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
10¼		437	550		100	ALL	300	6	48			

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

REMARKS

400	Drilling 6¼" hole		¼
415	Repair flow line	15	¼
430	Drilling	8½	3¼
9½	Work on swivel	9½	1
9½	Drilling 6¼ hole	12½	3

MUD RECORD

TIME	5.10		
WEIGHT	8.8		
VISC		WATER	
W.L.-C.C.			
FLTR CK.			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 4 DATE Jan 25 1968

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60° 53' 10.2" N 117° 46' 15" W	Shell Kakisa	C-4	N.W.T.

CONTRACTOR: Big Indian — RIG No.:

DRILL PIPE STRING NO. SIZE — TOOL JOINT OD — TYPE THD.

OPERATOR'S REPRESENTATIVE: [illegible] Kenney

CONTRACTOR'S TOOL PUSHER: [illegible]

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G.D.		16
2.			
3.			

CASING & LINER RECORD	SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
	6							

TIME DISTRIBUTION—HOURS

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

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS 24

OPERATOR'S TIME: 0

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

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

DRILLER

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

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

REMARKS

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

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

DAY TOUR

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

DRILLER: [illegible] Pitten

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

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

REMARKS

800 HOOK UP TO PRESSURE TEST. HAD TO REBUILD 2" CAMERON. BLED SHOCK HOSE & MUD LINES AT 1200 P.S.I.

245 PRESSURE TEST MANIFOLD AT 1200 P.S.I.

Pressure tested manifold, pipe rams, blind rams, hydril and kelly cock to 1200 psi. All held O.K. [illegible] Kenney

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

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

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
3	STANDS DP	69 FT.	RUN NO	1
	SNGLS. DP	FT.	SIZE	6¼
5	D.C. 2" ID / 4¾ OD	148.99 FT.	MFG.	SMITH
			TYPE	DT
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	16
	SUBS OD	FT.	SER NO	39007
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	281.02 FT.	COND. OF BIT	
	TOTAL	255 FT.	REAMER CUTTER NO.	
WT OF STRING		10 000 LBS.	TYPE	

DRILLER: [illegible] Bonner

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
			255									

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

REMARKS

400 RUN IN HOLE & PRESSURE TEST PIPE RAMS & HYDRIL

500 PRESSURE UP TO 1200 PSI

630 PREPARING TO DRILL OUT

800 DRILLING CEMENT FROM 95'

1130 DRAIN MUD TANKS CHANGE WASH PIPE

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

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

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 3 DATE Jan 1/68

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE. W	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60 53	10 2 N	117	46 15	SHELL KAKIAS	C-4	NWT

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD.
Big Indian Drilling	17		AI

OPERATOR'S REPRESENTATIVE: [illegible] Kenning

CONTRACTOR'S TOOL PUSHER: A. Whittaker

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G-D		16
2.			
3.			

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

TIME DISTRIBUTION—HOURS

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

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 24

OPERATOR'S TIME: 0

HRS. W/D.P:

HRS W/O/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

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

DRILLER: George Bonner

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

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

REMARKS

12 45	PREPARE TO NIPPLE UP
3 00	BACK OFF LANDING JOINT
	NIPPLE UP

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

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

DAY TOUR

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

DRILLER: [illegible]

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

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

REMARKS

800	NIPPLE UP. WORK ON ACCUMULATOR
400	

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

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

EVENING TOUR

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

DRILLER: L. Bonner

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

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

REMARKS

ADD	WORK ON ACCUMULATOR & PRESSURE MANIFOLD

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

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63) **DAILY DRILLING REPORT** REPORT NO. 2 DATE Dec 31/67

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60	53	10-2N	117°46'	15" W	SHELL KAKIAS	C-4	N.W.T.

CONTRACTOR	RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD.
Big INDIAN Drilling	17		AI

OPERATOR'S REPRESENTATIVE: [illegible] CONTRACTOR'S TOOL PUSHER: Dennis Cormier

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	G-D		16
2.			
3.			

CASING & LINER RECORD	SIZE	WT. & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER
	7"	J55 20#	0	252.69 K.B.			90 SACKS	2% CALCIUM

TIME DISTRIBUTION — HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	6½		
REAMING			
CIRCULATING		2	
TRIPS	¾	3¼	
DEVIATION SURVEY	¼		
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG		½	
CORING			
WIRE LINE LOGGING			
OTHER	3	2½	5
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING & SING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	8	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 24

OPERATOR'S TIME: 0

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	1A
3	SNGLS. DP	93.15 FT.	SIZE	9⅞
5	D.C. 2¼ ID 4¾ OD	150.29 FT.	MFG.	SMITH
			TYPE	DT
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER. NO	66982
	BIT OR C.B.	.60 FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	281.02 FT.	COND. OF BIT	
	TOTAL	255 FT.	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER: L Bonnar

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
15½		90	255		190	ALL	250	6"	54			

DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
				148	1½		218	1°	

REMARKS

12½	Drill 9⅞ hole	1½	1¼
1½	Survey	1¾	¼
1¾	Drill 9⅞ hole	2¾	1
2¾	Survey	2¾	¼
2¾	Drill 9⅞ hole	5¾	3
5¾	Survey	6¾	¼
6¾	Drill 9⅞ hole	7¾	1¼

MUD RECORD		
TIME	2 p.m	4 p.m
WEIGHT	8.6	8.6
VISC	65	65
W.L.-C.C.		
FLTR. CK.		
PH		
SD. CONT.		

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.
GEL	[illegible]		
SPERSENE	50#		
GEL	50#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
8	STANDS DP	FT.	RUN NO.	1A
3	SNGLS. DP	93.15 FT.	SIZE	9⅞
5	D.C. 2¼ ID 4¾ OD	150.29 FT.	MFG.	SMITH
			TYPE	DT
	RMR BODY OD	FT.	NOZ. NO	3
	STB BODY OD	FT.	NOZ. SIZE	O.C.
	SUBS OD	FT.	SER. NO.	66982
	BIT OR C.B.	.60 FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	281.02 FT.	COND. OF BIT	
	TOTAL	255 FT.	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER: H Peters

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
							290		40			
							295		58			
							295					

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

REMARKS

800	SERVICE RIG	
830	DUMMY TRIP	
1115	CIRCULATING . CONDITION MUD	
1230	TRIP OUT TO RUN CASING	
145	RUN SURFACE CASING	
415	~~RIG UP AND CEMENT CASING~~	
~~715~~	~~W.O.C.~~	

MUD RECORD		
TIME	12 p.m	
WEIGHT		
VISC	72	
W.L.-C.C.		
FLTR. CK.		230
PH		
SD. CONT.		

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

EVENING TOUR

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

DRILLER: L Bonnar

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
									170			

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

REMARKS

415	CIRCULATE CASING (1) PREPARE TO CEMENT & CEMENT 3¼
715	W.O.C. 4¾

Ran & cemented 6 jts 7" J55 20# ST&C casing at 252.69 with 90 sacks Portland cement + 2% $CaCl_2$. Cementing completed at 7:15 p.m Dec 31/67

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

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 1 DATE Dec 30/67

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
SHELL CANADA LIMITED	60°53'10.2" N 117°46'15" W	Shell Kakisa [redacted]	C-4	NWT.

CONTRACTOR: BIG INDIAN DRLG. RIG No. 17

DRILL PIPE STRING NO. SIZE | TOOL JOINT OD | TYPE THD.

OPERATOR'S REPRESENTATIVE: [signature]

CONTRACTOR'S TOOL PUSHER: C. [signature]

PUMPS

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

CASING & LINER RECORD

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

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	[redacted]	1	7
REAMING			
CIRCULATING			
TRIPS			
DEVIATION SURVEY			¼
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER	[redacted]	7	5¼
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL	18		
TOTALS	18	8	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS: 24

OPERATOR'S TIME: 0

HRS. W/D.P:

HRS WO/D.P:

HRS STANDBY

WIRE LINE RECORD

REEL NO

NO OF LINES SIZE

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

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

DRILLER

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

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

REMARKS

12:00 Rigging up

8:00

MUD RECORD

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

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	1A
	SNGLS. DP	FT.	SIZE	9⅞
	D.C. ID / OD	FT.	MFG. / TYPE	SMITH / D.T
	RMR BODY OD	FT.	NOZ. NO	3
	STB BODY OD	FT.	NOZ. SIZE	—
	SUBS OD	FT.	SER. NO.	66982
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	37.58 FT.	COND. OF BIT	
	TOTAL	FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER: Y Peters

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
1		0	22		150	2	[illegible]					

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

REMARKS

8:00 Rigging up & Mixing Mud

3:00 Drlg 9⅞ Surface hole

8:00

Spudded 3:00 p.m Dec 30/67.

KB to GE 8.70

MUD RECORD

TIME	6 P.M		
WEIGHT	8.8		
VISC	35		
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	100		
CAUSTIC	100		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	1A
	SNGLS. DP	FT.	SIZE	9⅞
2	D.C. ID / OD	52 FT.	MFG. / TYPE	SMITH / DT
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	
	SUBS OD	FT.	SER NO	66982
	BIT OR C.B.	FT	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT.	COND. OF BIT	
	TOTAL	89 39 FT.	REAMER CUTTER NO.	
	WT OF STRING	LBS.	TYPE	

DRILLER: L Bonnar

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
8		22	90		190	ALL	250	6"	48			

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

DEPTH	DEV.
60	¾

REMARKS

4:00	Drill 9⅞ hole	8:00	4
8:00	Rig Ser	8:15	¼
8:15	Drill 9⅞ hole	10:00	1¾
10:00	Survey work on pump	10:45	¾
10:45	Drill 9⅞ hole	12:00	1¼

MUD RECORD

TIME	10:00		
WEIGHT	8.2		
VISC	45		
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.