

Drilling Authority No. 311
Date Issued 4-3-68

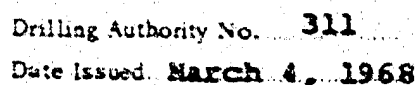
WELL NAME Shell H.B. Grumbler F-07
FIELD _____ Area: _____
LOCATION: Unit F Section 7 Grid 60-30-116-00
Latitude 60-26-17.54 Longitude 116-01-09.7
From Established Reference Marker _____

UWI. 300F076030116000
UWLR 60.43820 116.01936

Rig Release Date: 29-3-68
Status D-C
Information Release Date _____

CHANGE OF NAME:

DATE RECEIVED	INDEX
<u>4-3-68</u>	Application for a Drilling Authority.
<u>April 2/68</u>	Well Completion Data.
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
<u>Apr. 8/68</u>	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No. _____
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells — Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells — Vitter's Method.
	M.P.R. — Oil — Calculations.
	New Oil Well Report.
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	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs. Large scale _____ Small scale _____



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 H.B. Grumbler F-07

Permit No. P 4150

Lease No. _____

Hudson's Bay Oil & Gas Co.
(Permitter, Licensee, Lessee)

Exploratory Licence No. 1182

Shell Canada Limited

Exploratory Licence No. 1877

(Over 900,000)

Location: Unit:

P

Section

07

Grid 60° 30' N, 116° 00' W

Latitude 60° 26' 17.54"

Longitude 116° 01' 09.7"

From Established Reference Marker

P.M. #71 65' E.

Universal Well Location Reference

60.43820°N Lat 116.01936° W Long

CASING RECORD

GEOLOGICAL TOPS

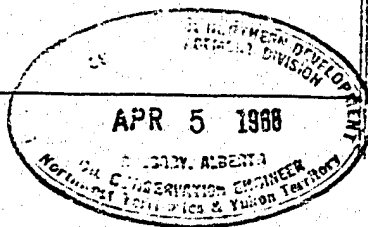
CORE RECORD

LOG RECORD

CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Bullet, Jet)				SERVICING RECORD (Acidizing, Freeing, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
Mar 29/68	2290	1180	Cemented with 295 sacks neat Portland cement. Plug down 2:00 PM March 29/68.	None				None			
Mar 29/68	255	Surface	Cemented with 75 sacks neat Portland cement. Cementing completed 4:00 PM March 29/68.								
Mar 30/68			Cut off casing 3' below ground, welded on plate, effected sign.								

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	P.S.I. Mins.	I.S.I.D.H.P.	P.S.I.D.H.P.	L.F.R.H.P.	F.F.R.H.P.	L.H.P.	F.H.P.	REMARKS
None														



ANALYSIS				PRESENT STATUS OF WELL			
Lab. No.	Sample	From	To	Source	Remarks	Oil	(Interval)
None							
						Gas	(Interval)
						Dry	March 29, 1968
						Susp.	

Company **Shell Canada Limited**
 ORIGINAL SIGNED BY **A.M. McLachlin**
 Signed by **J. M. MacLEOD for**
 Title **Manager-Edmonton Division Production**
 Date **April 2, 1968**

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



File No. _____
Drilling Authority No. **311**

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application to Abandon a Well

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 H.B. Grumbler F-07**
Location: Unit **F** Section **07** Grid **60°30'N. 116°00'W**
Latitude **60° 26' 17.54" N** Longitude **116° 01' 09.7" W**
From Established Reference Marker
Universal Well Location Reference **60.43820°N Lat. 116°01'09.7" W Long.**
Permit No. **F 4150** Lease No. _____

Hudson's Bay Oil & Gas Co. Ltd.
(Permitter, Licensee, Lessee)

Date of commencement of proposed program **March 29, 1968**

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at **None**
Gas at **None**
Water at **Slave Point shown to be water bearing by Electric Logs.**
Total Depth **2290** Date of last operations **March 29, 1968**
Present condition of well **Plugged and Abandoned**

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. 7"	200	195.27	204.67	85 sacks + 3 1/2 CaCl₂	None
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

No.	Plug	Geological Formation	Number of Sacks of Cement	Remarks
	Position			
1	2290-1180	Devonian-Slave Point	295	None
* 2	255 - 155	Devonian-Cog. Shoe	75	WOC 8 hrs & Peel
* 3	Surface	Surface Casing	5	Cut off casing 3' below ground; weld on plate, Erect sign.
* In order to use up remaining cement we intend to run single plug 255 to Surface (As per conversation between Mr. Thomas and Mr. Walker March 29, 1968)				

The following logs have been run **None**
Other operations proposed _____

Operations to be carried out by **Big Indian Drilling Co. Ltd.** Contractor Licence No. **18213**
Address **Calgary, Alberta** Address **Calgary, Alberta**

Responsible Agent in field **W. R. Albertson**
Dated at **Calgary** this **1** Day of **April** 19 **68**

Signed by **J. M. MacLeod** Company **Shell Canada Limited**
Title **Production Supervisor** 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.H.J. Thomas on the 29th of March 1968.
Dated **8th April**, 19 **68**
B.H.J. Thomas
Oil Conservation Engineer

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

Drilling Authority No. 311

Project No.

File No.



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 H.B. Grumbler Y-07**
 Location: Unit **F** Section **7** Grid **60° 30' N, 116° 00' W**
 Latitude **60° 26' 17.54"** Longitude **116° 01' 09.7"**
 From Established Reference Marker
 Universal Well Location Reference **60.43820° N. Lat. 116.01936° W. Long.**
 Elevation: Ground **570.9** K.B. **590 (Est.)** feet above sea-level.
 Well is expected to produce from **Keg River** formation at a depth
 of about **1720** feet. Expected total final depth **2350**
 Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. **P4150** Leave No. **63,212**
 Permittee, licensee, or lessee **Hudson's Bay Oil and Gas Company Limited**
 Exploratory Licence No. **1162**
 Surface owned by Crown or **Crown**
 (If other, submit name and address of owner and occupant.)

Petroleum and natural-gas rights owned by

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	Back of Cement
7"	170	H-40	Used	230'	90
1.					
2.					
3.					
4.					
5.					

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

Keg River

6" Series 900 Type A Hydraulic Double Shaeffer
6" Series 900 GX Hydril

Well will be drilled with Rotary Rig No. **35** by **Big Indian Drilling Co. Ltd.**
 (Drilling Contractor or company)

Responsible agent of applicant **H. A. Robertson** Contractor's Business Licence No. **18213**
 At well **Box 186, Edmonton** At registered office **Box 186, Edmonton**
 Address Address
 It is understood that if changes become necessary, notice of the change of plan will be submitted.
 Dated at **Edmonton** this **27** day of **February** 19 **68**
 Signed by **J. M. MacLEOD** for **Shell Canada Limited**
 Title **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 **4th March** 19 **68**

Oil Conservation Engineer

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

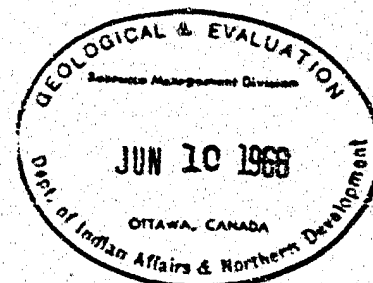
LAND 52-90-1 (3-67)

UNIQUE WELL IDENTIFIER: 300F076030116000

SHELL H.B. GRUMBLER F-07

60°26'17.54"N 116°01'09.7"W

WELL HISTORY REPORT



WELL HISTORY REPORT
SHELL H.B. CRUMBLER F-07
SHELL CANADA LIMITED
APRIL 12, 1968

WELL HISTORY REPORT

GRINDER F-07

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SECTION I - SUMMARY OF WELL DATA

(a) Well Name and Number

Shell H.B. Crumbler F-07

(b) Permittee

Hudson's Bay Oil and Gas Co.

(c) Operator

Shell Canada Limited.

(d) Location

Unit F, Section 07 Grid 60°30'N 116°00' W
Latitude 60°26'17.54" Longitude 116°01' 09.7"

(e) Permit Number

P4150

(f) Drilling Contractor

Big Indian Drilling Co. Ltd. Rig #35.

(g) Drilling Authority

Drilling Authority No. 311, Issued March 4, 1968.

(h) Classification

Wildcat

(i) Elevations

Ground 879.9
K.B. 889.3

(j) Spudded

March 7, 1968.

(k) Completed Drilling

March 27, 1968.

(l) Total Depth and Plugged Back Total Depth

T.D. 2290(Driller) PBTD - Surface

(m) Well Status

Dry and abandoned

(n) Rig Released

March 29, 1968.

(o) Hole Size

9 7/8" to 240'
6 1/4" to 2290'

(p) Casing

7", 20#, J55 set at 204.67' K.B., with 85 sacks + 10% CaCl_2 .

(q) Universal Well Location Reference

Lat. 60.43820° N.
Long. 116.01936° W.

(r) Unique Well Identifier

300F076030116000

SECTION II - GEOLOGICAL SUMMARY(a) Formation Tops

<u>Formation</u>	<u>Depth</u>
Slave Point	1236(-347)
Watt Mtn.	1430(-541)
Steen River	1440(-551)
Muskeg	1620(-731)
Keg River	1793(-904)
Bear Rock	2083(-1194)
Precambrian	2270(-1381)

(b) Cores

No core cut.

(c) Sample Description

As per attached report.

SECTION III - ENGINEERING SUMMARY(a) Drillstem Tests

None

(b) Casing Record (*Used casing*)

<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Amount</u>	<u>Depth</u>	<u>Cement</u>
7"	200	J55	4 JTS (195.27')	204.67K.B.	85 sacks, portland + 3 1/2% CaCl ₂ 15.6 slurry

(c) Bit Record

<u>No.</u>	<u>Size</u>	<u>Type</u>	<u>Depth Cut</u>	<u>Feet Cut</u>	<u>Hours Run</u>
1A	9 7/8"	RR	240	240	5
1	6 1/4"	DTJ	1222	982	14 1/2
2	6 1/4"	DTJ	1369	147	12
3	6 1/4"	DTJ	1445	76	7 1/2
4	6 1/4"	DTJ	1552	107	14 3/4
5	6 1/4"	V2	1649	97	16 1/2
6	6 1/4"	L4H	1728	79	12 1/2
7	6 1/4"	L4H	1797	69	12 1/2
8	6 1/4"	L4H	1892	95	12 1/4
9	6 1/4"	L4H	1954	62	9
10	6 1/4"	L4H	2007	53	12
11	6 1/4"	TC5	2184	177	33
12	6 1/4"	L4H	2264	80	12 3/4
13	6 1/4"	V2	2290	26	5 1/4

(d) Mud Report

<u>Gel</u>	<u>Caustic</u>	<u>Peltex</u>	<u>CNC</u>	<u>Spersene</u>
78 sacks	10 sacks	11 sacks	3 1/2 sacks	2 sacks

(e) Deviation Record

<u>Depth</u>	<u>Deviation (totco°)</u>
132	3/4
240	3/4
767	1/4
1270	3/4
1716	1/4
2290	1/4

(f) Abandonment Plugs

<u>Date</u>	<u>Interval</u>	<u>Cement & Additives</u>	<u>Remarks</u>
3/29/68	2290-1180	295 sacks Portland	
3/29/68	255-Surface	75 sacks Portland	
3/30/68	Cut off casing 3' below ground level, welded on plate, erected sign.		

(g) Lost Circulation Zones

None

(h) Blowouts

None

SECTION IV Logs

<u>Date</u>	<u>Interval</u>	<u>Type</u>
3/28/68	2290-200	YES
3/28/68	2290-200	BHC-Sonic Gamma Ray - Caliper
3/28/68	2250-1000	BHC-Formation Density Gamma Ray
3/28/68	2290-Surface	Seismic Reference Survey

SECTION V - ANALYSIS

(a) Core Analysis

None

(b) Water Analysis

None

(c) Gas Analysis

None

(d) Oil Analysis

None

SECTION VI(a) Tubing Record

None

(b) Perforation Record

None

(c) Cementation Record

<u>Plug No.</u>	<u>Date</u>	<u>Interval</u>	<u>Formation</u>	<u>Cement</u>	<u>Remarks</u>
1	3/29/68	2200-1100	Slave Pt.	295 sacks	
2	3/29/68	255-Surface		75 sacks	
3	3/29/68	Rathole		5 sacks	

Cut off casing 3' below ground level, welded on plate, erected sign.

(d) Acidization and Fracturing Record

None

(e) Back Pressure and Production Tests

None

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

SHELL H.B. CRUMBLER 7-07

T.D. 2290'

K.B. 889'

LATITUDE: 60° 26' 17.54" N.

LONGITUDE: 116° 01' 09.7" W.

0' -10'	Siltstone - Limestone	Siltstone, and limestone with trace of chert.
10' -20'	Siltstone - Limestone	Siltstone and limestone, with trace of chert.
20' -30'	Siltstone - Limestone	Siltstone and limestone, with trace of chert.
30' -40'	Siltstone - Limestone	Siltstone and limestone, with trace of chert.
40' -50'	Siltstone - Limestone	Siltstone and limestone, with trace of chert.
50' -60'	Siltstone - Limestone	Siltstone and limestone, with trace of chert.
60' -70'	Siltstone - Limestone	Siltstone and limestone, with trace of chert.
70' -80'	Siltstone - Limestone	Siltstone and limestone, with trace of chert.
80' -90'	Siltstone - Limestone	Siltstone and limestone, with trace of chert.
90' -100'	Siltstone - Limestone	Siltstone and limestone, with trace of chert.
100' -110'	Siltstone - Limestone	Siltstone and limestone, with trace of chert.
110' -120'	Siltstone - Limestone	Siltstone and limestone, with trace of chert.
120' -130'	Siltstone - Limestone	Siltstone, and limestone, with trace of chert.
130' -140'	Siltstone - Limestone	Siltstone and limestone, with trace of chert.

140' -150'	Limestone - Siltstone	Limestone and siltstone with trace of chert.
150' -160'	Limestone	Limestone, with some siltstone and traces of chert and shale.
160' -170'	Limestone	Limestone, with some siltstone and traces of chert and shale.
170' -180'	Limestone	Limestone, with some siltstone and traces of chert and shale.
180' -190'	Limestone	Limestone, with some siltstone and traces of chert and shale.
190' -200'	Limestone	Limestone, with some siltstone with traces of shale and chert.
200' -210'	Limestone	Limestone, with some siltstone with traces of shale and chert.
210' -220'	Limestone	Limestone, with some siltstone with traces of shale and chert.
220' -230'	Limestone	Limestone, with some siltstone with traces of shale and chert.
230' -240'	Limestone	Limestone, with some siltstone with traces of shale and chert.
240' -250'	Shale	Shale, with trace of limestone.
250' -260'	Shale	Shale, with trace of limestone.
260' -270'	Shale	Shale, with trace of limestone.
270' -280'	Shale	Shale, with trace of limestone.
280' -290'	Shale	Shale, with trace of limestone.
290' -300'	Shale	Shale, with trace of limestone.
300' -310'	Shale	Shale, with trace of limestone.
310' -320'	Shale	Shale, with trace of limestone.
320' -330'	Shale	Shale, with trace of limestone.
330' -340'	Shale	Shale, with trace of limestone.
340' -350'	Shale	Shale, with trace of limestone.

350' -360'	Shale	Shale, with trace of limestone.
360' -370'	Shale	Shale, with trace of limestone.
370' -380'	Shale	Shale, with trace of limestone.
380' -390'	Shale	Shale, with trace of limestone.
390' -400'	Shale	Shale, with trace of limestone.
400' -410'	Shale	Shale, with trace of limestone.
410' -420'	Shale	Shale, with trace of limestone.
420' -430'	Shale	Shale, with trace of limestone.
430' -440'	Shale	Shale, with trace of limestone.
440' -450'	Shale	Shale, with trace of limestone.
450' -460'	Shale	Shale, with trace of limestone.
460' -470'	Shale	Shale, with trace of limestone.
470' -480'	Shale	Shale, with trace of limestone.
480' -490'	Shale	Shale, with trace of limestone.
490' -500'	Shale	Shale, with trace of limestone.
500' -510'	Shale	Shale, with trace of limestone.
510' -520'	Shale	Shale, with trace of limestone.
520' -530'	Shale	Shale, with trace of limestone.
530' -540'	Shale	Shale, with trace of limestone.
540' -550'	Shale	Shale, with trace of limestone.
550' -560'	Shale	Shale, with trace of limestone.
560' -570'	Shale	Shale, with trace of limestone.
570' -580'	Shale	Shale, with trace of limestone.
580' -590'	Shale	Shale, with trace of limestone.
590' -600'	Shale	Shale, with trace of limestone.
600' -610'	Shale	Shale, with trace of limestone.

610' -620'	Shale	Shale, with trace of limestone.
620' -630'	Shale	Shale, with trace of limestone.
630' -640'	Shale	Shale, with trace of limestone.
640' -650'	Shale	Shale, with trace of limestone.
650' -660'	Shale,	Shale, with trace of limestone.
660' -670'	Shale	Shale, with trace of limestone.
670' -680'	Shale	Shale, with trace of limestone.
680' -690'	Shale	Shale, with trace of limestone.
690' -700'	Shale	Shale, with trace of limestone.
700' -710'	Shale	Shale, with trace of limestone.
710' -720'	Shale	Shale, with trace of limestone.
720' -730'	Shale	Shale, with trace of limestone.
730' -740'	Shale	Shale, with trace of limestone.
740' -750'	Shale	Shale, with trace of limestone.
750' -760'	Shale	Shale, with trace of limestone.
760' -770'	Shale	Shale, with trace of limestone.
770' -780'	Shale	Shale, with trace of limestone.
780' -790'	Shale	Shale, with trace of limestone.
790' -800'	Shale	Shale, with trace of limestone.
800' -810'	Shale	Shale, with trace of limestone.
810' -820'	Shale	Shale, with trace of limestone.
820' -830'	Shale	Shale, with trace of limestone.
830' -840'	Shale	Shale, with trace of limestone.
840' -850'	Shale	Shale, with trace of limestone.
850' -860'	Shale	Shale, with trace of limestone.
860' -870'	Shale	Shale, with trace of limestone.
870' -880'	Shale	Shale, with trace of limestone.

880' -890'	Shale	Shale, with trace of limestone.
890' -900'	Shale	Shale, with trace of limestone.
900' -910'	Shale	Shale, with trace of limestone.
910' -920'	Shale	Shale, with trace of limestone.
920' -930'	Shale	Shale, with trace of limestone.
930' -940'	Shale	Shale, with trace of limestone.
940' -950'	Shale	Shale, with trace of limestone.
950' -960'	Shale	Shale, with trace of limestone.
960' -970'	Shale	Shale, with trace of limestone.
970' -980'	Shale	Shale, with trace of limestone.
980' -990'	Shale	Shale, with trace of limestone.
990' -1000'	Shale	Shale, with trace of limestone.
1000' -1010'	Shale	Shale, with trace of limestone.
1010' -1020'	Shale	Shale, with trace of limestone.
1020' -1030'	Shale	Shale, with trace of limestone.
1030' -1040'	Shale	Shale, with trace of limestone.
1040' -1050'	Shale	Shale, with trace of limestone.
1050' -1060'	Shale	Shale, with trace of limestone.
1060' -1070'	Shale	Shale, with trace of limestone.
1070' -1080'	Shale	Shale, with trace of limestone.
1080' -1090'	Shale	Shale, with trace of limestone.
1090' -1100'	Shale	Shale, with trace of limestone.
1100' -1110'	Shale	Shale, with trace of limestone.
1110' -1120'	Shale	Shale, with trace of limestone.
1120' -1130'	Shale	Shale, with trace of limestone.

1130' -1140'	Shale	Shale, with trace of limestone.
1140' -1150'	Shale	Shale, with trace of limestone.
1150' -1160'	Shale	Shale, with trace of limestone.
1160' -1170'	Shale	Shale, with trace of limestone.
1170' -1180'	Shale	Shale, with trace of limestone.
1180' -1190'	Shale	Shale, with trace of limestone.
1190' -1200'	Shale	Shale, with trace of limestone.
1200' -1210'	Shale	Shale, medium dark brown to grey, medium soft, trace of limestone.
1210' -1220'	Shale	Shale, medium dark brown to grey, medium soft, trace of limestone.
1220' -1230'	Shale	Shale, medium dark brown to grey, medium soft, trace of limestone.
1230' -1240'	Shale	Shale, dark brown.
1240' -1250'	Limestone	Limestone, medium grey, fragmental with trace of shale.
1250' -1260'	Limestone	Limestone, medium grey, fragmental with trace of shale.
1260' -1270'	Limestone	Limestone, medium grey, fragmental.
1270' -1280'	Limestone	Limestone, medium grey, fragmental.
1280' -1290'	Limestone	Limestone, medium brown to grey, fragmental, with trace of shale.
1290' -1300'	Limestone	Limestone, medium brown to grey, fragmental, with trace of shale.
1300' -1310'	Limestone	Limestone, medium to light brown, grey, fragmental.
1310' -1320'	Limestone	Limestone, medium to light brown-grey, fragmental.

1320' -1330'	Limestone	Limestone, medium brown, fragmental, trace of dolomite.
1330' -1340'	Limestone	Limestone, medium brown, fragmental with trace of spar.
1340' -1350'	Limestone	Limestone, medium brown, fragmental with trace of spar.
1350' -1360'	Limestone	Limestone, medium brown, fragmental, with trace of spar.
1360' -1370'	Limestone	Limestone, medium brown, fragmental, with traces of spar and anhydrite.
1370' -1380'	Limestone	Limestone, medium brown, fragmental, with traces of spar and anhydrite.
1380' -1390'	Limestone	Limestone, medium brown, fragmental, with traces of spar and anhydrite.
1390' -1400'	Limestone	Limestone, medium tan, with trace of anhydrite.
1400' -1410'	Limestone	Limestone, medium tan with trace of anhydrite.
1410' -1420'	Dolomite - Anhydrite	Dolomite, medium tan and anhydrite.
1420' -1430'	Dolomite	Dolomite, medium tan and traces of anhydrite.
1430' -1435'	Dolomite	Dolomite, medium tan and traces of anhydrite.
1435' -1440'	Shale	Shale, green, with traces of limestone.
1440' -1450'	Dolomite	Dolomite, white.
1450' -1460'	Dolomite	Dolomite, medium grey brown with traces of shale.
1460' -1470'	Dolomite	Dolomite, white, medium brown to grey.
1470' -1480'	Dolomite	Dolomite, white, medium brown to grey.

1480' -1490'	Dolomite	Dolomite, white, medium brown to grey.
1490' -1500'	Dolomite	Dolomite, white, medium brown to grey with traces of green shale.
1500' -1510'	Dolomite	Dolomite, medium brown.
1510' -1520'	Dolomite	Dolomite, medium brown.
1520' -1530'	Dolomite	Dolomite, medium brown.
1530' -1540'	Dolomite	Dolomite, medium brown.
1540' -1550'	Dolomite	Dolomite, medium brown.
1550' -1560'	Dolomite	Dolomite, medium brown.
1560' -1570'	Dolomite	Dolomite, medium brown.
1570' -1580'	Dolomite	Dolomite, medium brown.
1580' -1590'	Dolomite.	Dolomite, medium brown, with traces of green shale.
1590' -1600'	Dolomite	Dolomite, medium brown, with traces of green shale.
1600' -1610'	Dolomite	Dolomite, medium to light brown, with traces of anhydrite.
1610' -1620'	Dolomite	Dolomite, medium to light brown, with traces of anhydrite.
1620' -1630'	Dolomite	Dolomite, medium to light brown, with traces of anhydrite.
1630' -1635'	Dolomite	Dolomite, medium to light brown, with traces of anhydrite.
1635' -1640'	Anhydrite	Anhydrite, white.
1640' -1645'	Dolomite	Dolomite, medium to light brown.
1645' -1650'	Anhydrite	Anhydrite, white.
1650' -1655'	Dolomite	Dolomite, medium to light brown.
1655' -1660'	Anhydrite	Anhydrite, white.

1660' -1670'	Dolomite - Anhydrite	Dolomite, medium to light brown, and white anhydrite.
1670' -1680'	Dolomite - Anhydrite	Dolomite, medium to light brown, and white anhydrite.
1680' -1690'	Dolomite - Anhydrite	Dolomite, medium to light brown, and white anhydrite.
1690' -1700'	Dolomite - Anhydrite	Dolomite, medium to light brown, and white anhydrite.
1700' -1710'	Dolomite - Anhydrite	Dolomite, medium to light brown, and white anhydrite.
1710' -1720'	Dolomite - Anhydrite	Dolomite, medium to light brown, and white anhydrite.
1720' -1730'	Dolomite - Anhydrite	Dolomite, medium to light brown, and white anhydrite.
1730' -1740'	Dolomite - Anhydrite	Dolomite, medium to light brown, and white anhydrite.
1740' -1750'	Dolomite	Dolomite, medium to light brown, with traces of white anhydrite.
1750' -1760'	Dolomite	Dolomite, medium to light brown, with traces of white anhydrite.
1760' -1770'	Dolomite	Dolomite, medium to light brown, with traces of white anhydrite.
1770' -1780'	Dolomite	Dolomite, medium to light brown, with traces of white anhydrite.
1780' -1790'	Dolomite	Dolomite, medium to light brown, with traces of white anhydrite.
1790' -1800'	Dolomite	Dolomite, medium to light brown, with traces of white anhydrite.
1800' -1810'	Dolomite	Dolomite, medium brown, with traces of white anhydrite.

1810' -1820'	Dolomite	Dolomite, medium brown, with traces of white anhydrite.
1820' -1830'	Dolomite	Dolomite, medium brown.
1830' -1840'	Dolomite	Dolomite, medium brown, with traces of white anhydrite.
1840' -1850'	Dolomite	Dolomite, medium brown, with traces of white anhydrite.
1850' -1860'	Dolomite	Dolomite, medium brown, with traces of white anhydrite.
1860' -1870'	Dolomite	Dolomite, medium brown, with traces of white anhydrite.
1870' -1880'	Dolomite	Dolomite, medium brown, with traces of white anhydrite.
1880' -1890'	Dolomite	Dolomite, medium brown.
1890' -1900'	Dolomite	Dolomite, medium brown.
1900' -1910'	Dolomite	Dolomite, medium brown.
1910' -1920'	Dolomite	Dolomite, medium brown.
1920' -1930'	Dolomite	Dolomite, medium to dark brown.
1930' -1940'	Dolomite	Dolomite, medium to dark brown.
1940' -1950'	Dolomite	Dolomite, medium to dark brown.
1950' -1960'	Dolomite	Dolomite, medium to dark brown.
1960' -1970'	Dolomite	Dolomite, medium to dark brown.
1970' -1980'	Dolomite	Dolomite, medium brown.
1980' -1990'	Dolomite	Dolomite, medium brown.
1990' -2000'	Dolomite	Dolomite, medium brown.
2000' -2010'	Dolomite	Dolomite, medium to dark brown with traces of shale.
2010' -2020'	Dolomite	Dolomite, medium to dark brown, with traces of shale.

2020' -2030'	Dolomite	Dolomite, medium to dark brown, with traces of shale.
2030' -2040'	Dolomite	Dolomite, medium to dark brown, with traces of shale.
2040' -2050'	Dolomite	Dolomite, medium to dark brown, with traces of shale.
2050' -2060'	Dolomite	Dolomite, medium to dark brown, with traces of shale.
2060' -2070'	Dolomite	Dolomite, medium to dark brown, with traces of shale.
2070' -2080'	Dolomite	Dolomite, medium to dark brown, with traces of shale.
2080' -2090'	Dolomite	Dolomite, medium brown to grey, with traces of anhydrite.
2090' -2100'	Anhydrite	Anhydrite, white with some dolomite.
2100' -2110'	Anhydrite	Anhydrite, medium brown to grey, with trace of dolomite.
2110' -2120'	Anhydrite	Anhydrite, medium brown to grey, with traces of dolomite.
2120' -2130'	Anhydrite	Anhydrite, medium brown to grey, with traces of dolomite.
2130' -2140'	Anhydrite	Anhydrite, medium brown to grey, with traces of dolomite.
2140' -2150'	Anhydrite	Anhydrite, medium brown to grey, with traces of dolomite.
2150' -2160'	Anhydrite	Anhydrite, medium brown to grey, with traces of dolomite.
2160' -2170'	Anhydrite	Anhydrite, medium brown to grey, with traces of dolomite.
2170' -2180'	Anhydrite	Anhydrite, medium brown to grey, with traces of dolomite and shale.

2180' -2190'	Anhydrite	Anhydrite, medium brown to grey, with traces of dolomite and green shale.
2190' -2200'	Anhydrite	Anhydrite, medium brown to grey, with traces of dolomite and green shale.
2200' -2210'	Dolomite	Dolomite, medium to dark brown, with traces of anhydrite.
2210' -2220'	Dolomite	Dolomite, medium to dark brown, with traces of anhydrite.
2220' -2230'	Dolomite	Dolomite, medium to dark brown, with traces of anhydrite.
2230' -2240'	Dolomite	Dolomite, medium to dark brown, with traces of anhydrite.
2240' -2250'	Dolomite	Dolomite, medium to dark brown, with traces of anhydrite.
2250' -2260'	Dolomite	Dolomite, medium to dark brown, with traces of anhydrite.
2260' -2270'	Dolomite	Dolomite, medium to dark brown, with traces of anhydrite.
2270' -2280'	Granite	Granite, fresh, pink.
2280' -2290'	Granite	Granite, fresh, pink.

OPERATOR SHELL CANADA LIMITED		LOCATION LSD. SEC. TWP. RGE. W.		WELL NAME SHELL H.B. GRUMBLER		No. F-07		PROVINCE N.W.T.																	
CONTRACTOR BIG INDIAN		RIG No. 35	DRILL PIPE NO. SIZE	TOOL JOINT	OD	PUMPS		CASING & LINER RECORD	SIZE	WT. & GR.	DEPTH SET FROM TO	PERFORATIONS FROM TO	CEMENT USED	OTHER											
OPERATOR'S REPRESENTATIVE W. R. Alberta		CONTRACTOR'S TOOL PUSHER		TYPE THD.		NO. MANUFACTURER TYPE STROKE LENGTH																			
						1. G-D G-C 16"																			
						2.																			
						3.																			
TIME DISTRIBUTION—HOURS		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD	
MORN DAY EVE		STANDS DP		FT. RUN NO.																				TIME	
DRILLING ACTUAL		SNGLS. DP		FT. SIZE																				WEIGHT	
REAMING		D.C. ID		MFG.																				VISC	
CIRCULATING		OD		FT. TYPE																				W.L.-C.C.	
TRIPS		RMR BODY OD		FT. NO. NO.																				FLTR. CK.	
DEVIATION SURVEY		STB BODY OD		FT. NOZ. SIZE																				PH	
TEST B.O.P.		SUBS OD		FT. SER. NO.																				SD. CONT.	
CUT OFF DRILL LINE		BIT OR C.B.		FT. DEPTH OUT																					
REPAIR RIG				FT. CUMULATIVE HOURS RUN																					
CORING		KELLY DOWN		FT. COND. OF BIT																					
WIRE LINE LOGGING		TOTAL		FT. REAMER CUTTER NO.																					
OTHER		WT. OF STRING		LBS. TYPE																					
FISHING		DRILLER																							
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.																									
								</																	

OPERATOR SHELL CANADA LIMITED		LOCATION LAT. 60° 26' 17.34" N LONG. 116° 01' 09.7" W		WELL NAME SHELL H.13. GRUMBIER		No. F-7		PROVINCE N.W.T.									
CONTRACTOR BIG INDIAN		RIG No. 35		PUMPS MANUFACTURER G-D TYPE B-C STROKE LENGTH 16"		CASING & LINER RECORD		PERFORATIONS FROM TO		CEMENT USED		OTHER					
OPERATOR'S REPRESENTATIVE W. R. Adair		CONTRACTOR'S TOOL PUSHER [Signature]															
TIME DISTRIBUTION—HOURS		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRILL		CORE NO.		FORMATION (SHOW CORE RECOVERY)		PUMP NO. 1		PUMP NO. 2		MUD RECORD	
MORN DAY EVE		STANDS DP		FT. RUN NO.												TIME	
DRILLING ACTUAL		SNGLS. DP		FT. SIZE												WEIGHT	
REAMING		D.C. ID		MFG.												VISC	
CIRCULATING 4		OD		FT. TYPE												W.L.-C.C.	
TRIPS 1 1/2		RMR BODY OD		FT. NO. NO.		DEVIATION RECORD:		DEPTH		DEV. DIRECTION		DEPTH		DEV. DIRECTION		FLTR. CK.	
DEVIATION SURVEY		STB BODY OD		FT. NO. SIZE												PH	
TEST B.O.P. 4		SUBS OD		FT. SER. NO.												SD. CONT.	
CUT OFF DRILL LINE		BIT OR C.B.		FT. DEPTH OUT													
REPAIR RIG 1 1/2				FT. CUMULATIVE HOURS RUN													
CORING		KELLY DOWN		FT. COND. OF BIT													
WIRE LINE LOGGING 3 3		TOTAL		FT. REAMER CUTTER NO.													
OTHER 1 1/2 5		WT. OF STRING		LBS. TYPE													
FISHING		DRILLER		[Signature]													
COMPLETING (A) PERFORATING		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRILL		CORE NO.		FORMATION (SHOW CORE RECOVERY)		PUMP NO. 1		PUMP NO. 2		MUD RECORD	
(B) RUNNING TUBING		STANDS DP 877		FT. RUN NO.												TIME	
(C) SWABBING		SNGLS. DP 32.15		FT. SIZE												WEIGHT	
(D) TESTING		D.C. ID 4 3/4		MFG.												VISC	
(E) ACIDIZING		OD 411.10		FT. TYPE												W.L.-C.C.	
(F) ADDITIONAL		RMR BODY OD		FT. NO. NO.		DEVIATION RECORD:		DEPTH		DEV. DIRECTION		DEPTH		DEV. DIRECTION		FLTR. CK.	
TOTALS 8 8		STB BODY OD		FT. NO. SIZE												PH	
TIME SUMMARY (OFFICE USE ONLY)		SUBS OD		FT. SER. NO.												SD. CONT.	
CONTRACTOR'S TIME HRS.		BIT OR C.B.		FT. DEPTH OUT													
OPERATOR'S TIME:				FT. CUMULATIVE HOURS RUN													
HRS. W/D.P.		KELLY DOWN 10.00		FT. COND. OF BIT													
HRS. W/D.P.		TOTAL 2290.0		FT. REAMER CUTTER NO.													
HRS. STANDBY		WT. OF STRING 27.00		LBS. TYPE													
WIRE LINE RECORD		DRILLER		[Signature]													
REEL NO		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRILL		CORE NO.		FORMATION (SHOW CORE RECOVERY)		PUMP NO. 1		PUMP NO. 2		MUD RECORD	
NO. OF LINES SIZE		STANDS DP 837.53		FT. RUN NO.												TIME	
FEET SLIPPED		SNGLS. DP 32.15		FT. SIZE												WEIGHT	
FEET CUT OFF		D.C. ID		MFG.												VISC	
PRESENT LENGTH		OD		FT. TYPE												W.L.-C.C.	
TON MI. OF TRIPS SINCE LAST CUT		RMR BODY OD		FT. NO. NO.		DEVIATION RECORD:		DEPTH		DEV. DIRECTION		DEPTH		DEV. DIRECTION		FLTR. CK.	
CUMULATIVE TON MI. OF TRIPS		STB BODY OD		FT. NO. SIZE												PH	
		SUBS OD		FT. SER. NO.												SD. CONT.	
		BIT OR C.B.		FT. DEPTH OUT													
				FT. CUMULATIVE HOURS RUN													
		KELLY DOWN 10.00		FT. COND. OF BIT													
		TOTAL 2290		FT. REAMER CUTTER NO.													
		WT. OF STRING 27.00		LBS. TYPE													
		DRILLER		[Signature]													

DATE MARCH 27/68

OPERATOR SHELL CANADA LIMITED	LOCATION LST. 60° 26' 17.54" LONG. 116° 01' 09.8"	SEC. TWP. RGE. W.	WELL NAME SHELL HB GRUMBLER	No. F.7	PROVINCE NWT
CONTRACTOR BIG INDIAN Operator's Representative R. W. Andrews	RIG No. 35	DRILL PIPE STRING NO. SIZE TOOL JOINT 4 3/4 OD TYPE THD. AI	PUMPS NO. MANUFACTURER TYPE STROKE LENGTH 1. 60 GXB 16 2. 60 GXB 16 3.	CASING & LINER RECORD	DEPTH SET FROM TO PERFORATIONS FROM TO CEMENT USED OTHER

TIME DISTRIBUTION—HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD. CORE NO.		FROM TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD			
MORN	DAY	EVE		STANDS DP	FT.	RUN NO.	SIZE	FT.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
DRILLING ACTUAL	7 1/4	5 1/4		1877	FT.	12	6 1/4	7 1/4	2221	2264																			
REAMING	7 1/4	5 1/4		D.C. 2" ID	FT.	MFG.	SMITH																						
CIRCULATING	1 1/2	1 1/2		RMR BODY OD	FT.	NO.	4 1/2																						
TRIPS	1 1/2	1 1/2		STB BODY OD	FT.	NO.	3 1/2																						
DEVIATION SURVEY	1 1/2	1 1/2		SUBS OD	FT.	SER. NO.	44055																						
TEST B.O.P	1 1/2	1 1/2		BIT OR C.B.	FT.	DEPTH OUT	2264																						
CUT OFF DRILL LINE	1 1/2	1 1/2		FE. CUMULATIVE HOURS RUN	FT.	COND. OF BIT	12 3/4																						
REPAIR RIG	1 1/2	1 1/2		REARER CUTTER NO.	FT.	REARER CUTTER NO.	441																						
CORING	1 1/2	1 1/2		TOTAL	FT.	WT. OF STRING	2264																						
WIRE LINE LOGGING	1 1/2	1 1/2		DRILLER	FT.	DRILLER	27000																						
OTHER	1 1/2	1 1/2		BIG SER DRILLING HOIST BIT #12																									
FISHING				REMARKS																									
COMPLETING (A) PERFORATING				REMARKS																									
(B) RUNNING TUBING				REMARKS																									
(C) SWABBING				REMARKS																									
(D) TESTING				REMARKS																									
(E) ACIDIZING				REMARKS																									
(F) ADDITIONAL				REMARKS																									
TOTALS	8	8		REMARKS																									
TIME SUMMARY (OFFICE USE ONLY)				REMARKS																									
CONTRACTOR'S TIME HRS.				REMARKS																									
OPERATOR'S TIME				REMARKS																									
HRS. W/D.P.				REMARKS																									
HRS. WO/D.P.				REMARKS																									
HRS. STANDBY				REMARKS																									
WIRE LINE RECORD				REMARKS																									

TIME DISTRIBUTION—HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD. CORE NO.		FROM TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD			
MORN	DAY	EVE		STANDS DP	FT.	RUN NO.	SIZE	FT.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
DRILLING ACTUAL	7 1/4	5 1/4		1877	FT.	12	6 1/4	7 1/4	2221	2264																			
REAMING	7 1/4	5 1/4		D.C. 2" ID	FT.	MFG.	SMITH																						
CIRCULATING	1 1/2	1 1/2		RMR BODY OD	FT.	NO.	4 1/2																						
TRIPS	1 1/2	1 1/2		STB BODY OD	FT.	NO.	3 1/2																						
DEVIATION SURVEY	1 1/2	1 1/2		SUBS OD	FT.	SER. NO.	44055																						
TEST B.O.P	1 1/2	1 1/2		BIT OR C.B.	FT.	DEPTH OUT	2264																						
CUT OFF DRILL LINE	1 1/2	1 1/2		FE. CUMULATIVE HOURS RUN	FT.	COND. OF BIT	12 3/4																						
REPAIR RIG	1 1/2	1 1/2		REARER CUTTER NO.	FT.	REARER CUTTER NO.	441																						
CORING	1 1/2	1 1/2		TOTAL	FT.	WT. OF STRING	2264																						
WIRE LINE LOGGING	1 1/2	1 1/2		DRILLER	FT.	DRILLER	27000																						
OTHER	1 1/2	1 1/2		BIG SER DRILLING HOIST BIT #12																									
FISHING				REMARKS																									
COMPLETING (A) PERFORATING				REMARKS																									
(B) RUNNING TUBING				REMARKS																									
(C) SWABBING				REMARKS																									
(D) TESTING				REMARKS																									
(E) ACIDIZING				REMARKS																									
(F) ADDITIONAL				REMARKS																									
TOTALS	8	8		REMARKS																									
TIME SUMMARY (OFFICE USE ONLY)				REMARKS																									
CONTRACTOR'S TIME HRS.				REMARKS																									
OPERATOR'S TIME				REMARKS																									
HRS. W/D.P.				REMARKS																									
HRS. WO/D.P.				REMARKS																									
HRS. STANDBY				REMARKS																									
WIRE LINE RECORD				REMARKS																									

TIME DISTRIBUTION—HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD. CORE NO.		FROM TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD			
MORN	DAY	EVE		STANDS DP	FT.	RUN NO.	SIZE	FT.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
DRILLING ACTUAL	7 1/4	5 1/4		1877	FT.	12	6 1/4	7 1/4	2221	2264																			
REAMING	7 1/4	5 1/4		D.C. 2" ID	FT.	MFG.	SMITH																						
CIRCULATING	1 1/2	1 1/2		RMR BODY OD	FT.	NO.	4 1/2																						
TRIPS	1 1/2	1 1/2		STB BODY OD	FT.	NO.	3 1/2																						
DEVIATION SURVEY	1 1/2	1 1/2		SUBS OD	FT.	SER. NO.	44055																						
TEST B.O.P	1 1/2	1 1/2		BIT OR C.B.	FT.	DEPTH OUT	2264																						
CUT OFF DRILL LINE	1 1/2	1 1/2		FE. CUMULATIVE HOURS RUN	FT.	COND. OF BIT	12 3/4																						
REPAIR RIG	1 1/2	1 1/2		REARER CUTTER NO.	FT.	REARER CUTTER NO.	441																						
CORING	1 1/2	1 1/2		TOTAL	FT.	WT. OF STRING	2264																						
WIRE LINE LOGGING	1 1/2	1 1/2		DRILLER	FT.	DRILLER	27000																						
OTHER	1 1/2	1 1/2		BIG SER DRILLING HOIST BIT #12																									
FISHING				REMARKS																									
COMPLETING (A) PERFORATING				REMARKS																									
(B) RUNNING TUBING				REMARKS																									
(C) SWABBING				REMARKS																									
(D) TESTING				REMARKS																									
(E) ACIDIZING				REMARKS																									
(F) ADDITIONAL				REMARKS																									
TOTALS	8	8		REMARKS																									
TIME SUMMARY (OFFICE USE ONLY)				REMARKS																									
CONTRACTOR'S TIME HRS.				REMARKS																									
OPERATOR'S TIME				REMARKS																									
HRS. W/D.P.				REMARKS																									
HRS. WO/D.P.				REMARKS																									
HRS. STANDBY				REMARKS																									
WIRE LINE RECORD				REMARKS																									

MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.

DAILY DRILLING REPORT

REPORT NO. 16

DATE

14 MARCH 22 1968

OPERATOR SHELL CANADA LIMITED	LOCATION LAT. 60° 26' 17.54" N LONG. 116° 01' 09.7" W	SEC. TWP. RGE. W.	WELL NAME SHELL H.B. BRUMMER	No. F. 7	PROVINCE N.W.T.	
CONTRACTOR BIG INDIAN DRILL	RIG No. 35	DRILL PIPE STRING NO. SIZE 4	TOOL JOINT 4	OD	PUMPS	
OPERATOR'S REPRESENTATIVE W.P. Dethlefsen	CONTRACTOR'S TOOL RUSHER Rennis Comm	TYPE THD.	NO.	MANUFACTURER	TYPE	STROKE LENGTH
			1.	GARDNER DENVER	G x D	16
			2.			
			3.			

TIME DISTRIBUTION—HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTA- RY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE S.P.M.	PUMP NO. 2 LINER SIZE S.P.M.	METHOD PUMPS RUN	MUD RECORD								
MORN	DAY	EVE		STANDS DP	FT.	RUN NO.	7	SNGLS. DP	FT.	SIZE	6 1/4	D.C. ID	MFG.	SMITH							TIME	WEIGHT	VISC	W.L.-C.C.					
				D.C. OD <th>FT.</th> <th>TYPE</th> <th>4 1/2</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>FLTR. CK.</td> <td></td> <td></td> <td></td>	FT.	TYPE	4 1/2														FLTR. CK.								
				RMR BODY OD <th>FT.</th> <th>NO.</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PH</td> <td></td> <td></td> <td></td>	FT.	NO.															PH								
				STB BODY OD <th>FT.</th> <th>SIZE</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SD. CONT.</td> <td></td> <td></td> <td></td>	FT.	SIZE															SD. CONT.								
				SUBS OD <th>FT.</th> <th>SER. NO.</th> <th>43992</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	FT.	SER. NO.	43992																						
				BIT OR C.B. <th>FT.</th> <th>DEPTH OUT</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	FT.	DEPTH OUT																							
				<th>FT.</th> <th>CUMULATIVE HOURS RUN</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	FT.	CUMULATIVE HOURS RUN																							
				KELLY DOWN <th>FT.</th> <th>COND. OF BIT</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	FT.	COND. OF BIT																							
				TOTAL <th>FT.</th> <th>REAMER CUTTER NO.</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	FT.	REAMER CUTTER NO.																							
				WT. OF STRING <th>LBS.</th> <th>TYPE</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	LBS.	TYPE																							
				DRILLER																									
				12" WAIT C. REPAIRS - CIRC 8"																									

TIME DISTRIBUTION—HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTA- RY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE S.P.M.	PUMP NO. 2 LINER SIZE S.P.M.	METHOD PUMPS RUN	MUD RECORD							
MORN	DAY	EVE		STANDS DP	FT.	RUN NO.		SNGLS. DP	FT.	SIZE		D.C. ID	MFG.								TIME	WEIGHT	VISC	W.L.-C.C.				
				D.C. OD <th>FT.</th> <th>TYPE</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>FLTR. CK.</td> <td></td> <td></td> <td></td>	FT.	TYPE															FLTR. CK.							
				RMR BODY OD <th>FT.</th> <th>NO.</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PH</td> <td></td> <td></td> <td></td>	FT.	NO.															PH							
				STB BODY OD <th>FT.</th> <th>SIZE</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SD. CONT.</td> <td></td> <td></td> <td></td>	FT.	SIZE															SD. CONT.							
				SUBS OD <th>FT.</th> <th>SER. NO.</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	FT.	SER. NO.																						
				BIT OR C.B. <th>FT.</th> <th>DEPTH OUT</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	FT.	DEPTH OUT																						
				<th>FT.</th> <th>CUMULATIVE HOURS RUN</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	FT.	CUMULATIVE HOURS RUN																						
				KELLY DOWN <th>FT.</th> <th>COND. OF BIT</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	FT.	COND. OF BIT																						
				TOTAL <th>FT.</th> <th>REAMER CUTTER NO.</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	FT.	REAMER CUTTER NO.																						
				WT. OF STRING <th>LBS.</th> <th>TYPE</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	LBS.	TYPE																						
				DRILLER																								
				8" CIRC w/o REPAIRS 3" 7																								
				3" REPLACE ROTARY CLUTCH 4" 1																								

TIME DISTRIBUTION—HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTA- RY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE S.P.M.	PUMP NO. 2 LINER SIZE S.P.M.	METHOD PUMPS RUN	MUD RECORD							
MORN	DAY	EVE		STANDS DP	FT.	RUN NO.	7	SNGLS. DP	FT.	SIZE	1 1/4	D.C. 2" ID	MFG.	SMITH							TIME	WEIGHT	VISC	W.L.-C.C.				
				D.C. 4 3/4" OD <th>FT.</th> <th>TYPE</th> <th>4 1/2</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>FLTR. CK.</td> <td></td> <td></td> <td></td>	FT.	TYPE	4 1/2														FLTR. CK.							
				RMR BODY OD <th>FT.</th> <th>NO.</th> <th>3</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PH</td> <td></td> <td></td> <td></td>	FT.	NO.	3														PH							
				STB BODY OD <th>FT.</th> <th>SIZE</th> <th>1 1/8</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SD. CONT.</td> <td></td> <td></td> <td></td>	FT.	SIZE	1 1/8														SD. CONT.							
				SUBS OD <th>FT.</th> <th>SER. NO.</th> <th>43992</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	FT.	SER. NO.	43992																					
				BIT OR C.B. <th>FT.</th> <th>DEPTH OUT</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	FT.	DEPTH OUT																						
				<th>FT.</th> <th>CUMULATIVE HOURS RUN</th> <th>87</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	FT.	CUMULATIVE HOURS RUN	87																					
				KELLY DOWN <th>FT.</th> <th>COND. OF BIT</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	FT.	COND. OF BIT																						
				TOTAL <th>FT.</th> <th>REAMER CUTTER NO.</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	FT.	REAMER CUTTER NO.																						
				WT. OF STRING <th>LBS.</th> <th>TYPE</th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	LBS.	TYPE																						
				DRILLER																								
				400 REPLACE BEARING IN ROTARY CLUTCH 5" 00																								
				500 DRILL 6 1/4 HOLE 12" 00																								

MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.
GMC	25	CAUSTIC	125
GEL	200		

OPERATOR		CONTRACTOR		RIG NO.		LOCATION		LSD.		SEC.		TWP.		RGE.		W.		WELL NAME		No.		PROVINCE									
SHELL CANADA LIMITED		BIG INDIAN DRILL		35		LAT. 60° 26' 17.54" LONG. 116° 01' 09.7"		DRILL PIPE STRING NO. SIZE		TOOL JOINT A 3/4 OD		TYPE THD. A.I.		PUMPS		CASING & LINER RECORD		DEPTH SET		PERFORATIONS		CEMENT USED									
OPERATOR'S REPRESENTATIVE		CONTRACTOR'S TOOL PUSHER																													
W.P. Ahlstrom		Dennis Connor																													
TIME DISTRIBUTION—HOURS		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1		PUMP NO. 2		METHOD PUMPS RUN		MUD RECORD	
MORN DAY EVE		20		STANDS DP 1266 00 FT.		RUN NO. 6		7 3/4				1655		1716		61		120		14		500		6		38		TIME 12 00 4 00 6 00			
DRILLING ACTUAL 7 3/4 3 1/2		1		SNGLS. DP 2" ID		FT. SIZE 6 1/4		12				1716		1728				120		16		500		6		48		WEIGHT 9.5 9.6 9.6			
REAMING		14		D.C. 2" ID		MFG. SMITH		12				1716		1728				120		16		500		6		48		VISC 58 56 56			
CIRCULATING		14		RMR BODY OD 4 1/2 OD 4 1/2		FT. NO. 2 1/4		12				1716		1728				120		16		500		6		48		W.L.C.C. 8.2			
TRIPS 2 1/2		14		STB BODY OD 4 1/2		FT. NO. 2 1/4		12				1716		1728				120		16		500		6		48		FLTR. CK. 7.5			
DEVIATION SURVEY		14		SUBS OD 4 1/2		FT. SER. NO. 43984		12 00				1716		1728				120		16		500		6		48		PH 9.5			
TEST B.O.P. 1/4		14		BIT OR C.B. 4 1/2		FT. DEPTH OUT 9		12 30				1716		1728				120		16		500		6		48		SD. CONT.			
CUT OFF DRILL LINE		14		KELLY DOWN 39.5		FT. COND. OF BIT 1/2		12 30				1716		1728				120		16		500		6		48					
REPAIR RIG		14		TOTAL 1716.6 FT.		REAMER CUTTER NO.		12 30				1716		1728				120		16		500		6		48					
CORING		14		WT. OF STRING 24000 LBS.		TYPE		12 30				1716		1728				120		16		500		6		48					
WIRE LINE LOGGING		14		DRILLER 11000 11000				12 30				1716		1728				120		16		500		6		48					
OTHER 4 2 1/2 7		14						12 30				1716		1728				120		16		500		6		48					
FISHING		14						12 30				1716		1728				120		16		500		6		48					
COMPLETING (A) PERFORATING		14						12 30				1716		1728				120		16		500		6		48					
(B) RUNNING TUBING		14						12 30				1716		1728				120		16		500		6		48					
(C) SWABBING		14						12 30				1716		1728				120		16		500		6		48					
(D) TESTING		14						12 30				1716		1728				120		16		500		6		48					
(E) ACIDIZING		14						12 30				1716		1728				120		16		500		6		48					
(F) ADDITIONAL		14						12 30				1716		1728				120		16		500		6		48					
TOTALS 8 8 8		14						12 30				1716		1728				120		16		500		6		48					
TIME SUMMARY (OFFICE USE ONLY)		14						12 30				1716		1728				120		16		500		6		48					
CONTRACTOR'S TIME HRS.		14						12 30				1716		1728				120		16		500		6		48					
OPERATOR'S TIME:		14						12 30				1716		1728				120		16		500		6		48					
HRS. W/D.P.		14						12 30				1716		1728				120		16		500		6		48					
HRS. WO/D.P.		14						12 30				1716		1728				120		16		500		6		48					
HRS. STANDBY		14						12 30				1716		1728				120		16		500		6		48					
WIRE LINE RECORD		14						12 30				1716		1728				120		16		500		6		48					
REEL NO		14						12 30				1716		1728				120		16		500		6		48					
NO OF LINES SIZE		14						12 30				1716		1728				120		16		500		6		48					
FEET SLIPPED		14						12 30				1716		1728				120		16		500		6		48					
FEET CUT OFF		14						12 30				1716		1728				120		16		500		6		48					
PRESENT LENGTH		14						12 30				1716		1728				120		16		500		6		48					
TON MI. OF TRIPS SINCE LAST CUT		14						12 30				1716		1728				120		16		500		6		48					
CUMULATIVE TON MI. OF TRIPS		14						12 30				1716		1728				120		16		500		6		48					
NO. OF DAYS FROM SPUD		14						12 30				1716		1728				120		16		500		6		48					
CUMULATIVE ROTATING HRS.		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
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		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
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		14						12 30				1716		1728				120		16		500		6		48					
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		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					
		14						12 30				1716		1728				120		16		500		6		48					

DATE MARCH 20 1968

[illegible]

DATE MARCH 19 1968

DAILY DRILLING REPORT

REPORT NO. 13

DATE MARCH 19 1968

OPERATOR		SHELL CANADA LIMITED		LOCATION		TSP.		W.		WELL NAME		No.		PROVINCE							
CONTRACTOR		BIG INDIAN		LAT. 100 26 17.54" LONG. 116 01 09.7"		RGE.		F-7 GUMBLER		F. 7		NW. T									
OPERATOR'S REPRESENTATIVE		W. P. A. Dutoit		CONTRACTOR'S TOOL PUSHER		W. P. A. Dutoit															
TIME DISTRIBUTION—HOURS		MORN DAY EVE		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FORMATION (SHOW CORE RECOVERY)		PUMP NO. 1		PUMP NO. 2		METHOD PUMPS RUN		MUD RECORD	
DRILLING ACTUAL		4 3/4		STANDS DP 10 12.39		RUN NO. 3 4		HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN		TIME 12 2 6	
REAMING		4 3/4		SNGLS. DP 10 12.39		SIZE 6 1/4 6 1/4		HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN		WEIGHT 9.0 9.1 9.2	
CIRCULATING				D.C. 2 1/2 ID		MFG. SMITH SMITH		HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN		VISC 75 70 70	
TRIPS				RMR BODY OD 4 11.10		NO. NO. 00 00		HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN		W.L.C.C.	
DEVIATION SURVEY				STB BODY OD 4 11.10		NO. NO. 00 00		HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN		FLTR. CK.	
TEST B.O.P.		14		SUBS OD 4 11.10		SER. NO. 447174162012		HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN		PH	
CUT OFF DRILL LINE				BIT OR C.B. 4 11.10		DEPTH OUT 14.45		HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN		SD. CONT.	
REPAIR RIG		1 1/4		KELLY DOWN 3400.51 FT.		COND. OF BIT 54 3		HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN		MUD & CHEMICALS ADDED	
CORING				TOTAL 1448.04 FT.		REAMER CUTTER NO. 54 3		HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN		TYPE AMT. TYPE AMT.	
WIRE LINE LOGGING				WT. OF STRING 23000 LBS.		TYPE		HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN			
OTHER				DRILLER				HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN			
FISHING								HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN			
COMPLETING (A) PERFORATING								HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN			
(B) RUNNING TUBING								HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN			
(C) SWABBING								HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN			
(D) TESTING								HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN			
(E) ACIDIZING								HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN			
(F) ADDITIONAL		14 1/2						HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN			
TOTALS		8 3/8						HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN			
TIME SUMMARY (OFFICE USE ONLY)								HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN			
CONTRACTOR'S TIME HRS.								HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN			
OPERATOR'S TIME								HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN			
HRS. W/D.P.								HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2		METHOD PUMPS RUN			
HRS. WO/D.P.								HRS. DRLD. 7 3/4		CORE NO. 1405		FORMATION 43		PUMP NO. 1 6 48		PUMP NO. 2					

DAILY DRILLING REPORT

REPORT NO. 12

DATE MARCH 18/68

OPERATOR		LOCATION		SEC.		TWP.		RGE.		W.		WELL NAME		No.		PROVINCE																							
SHELL CANADA LIMITED		LAT. 60° 26' 17.54"		LONG. 116° 01' 09.7"								SHELL H.B. F-7 CRUMBLEE				INTERPRET N.W.T.																							
CONTRACTOR		RIG No.		DRILL PIPE STRING NO. SIZE		TOOL JOINT		PUMPS		CASING & LINER RECORD		SIZE		WT. & GR.		DEPTH SET		PERFORATIONS		CEMENT USED		OTHER																	
BIG INDIAN DRILL CO LTD		35		3 1/2		3 1/2 OD		1. CORN REAMER		D&D		16																											
OPERATOR'S REPRESENTATIVE		CONTRACTOR'S TOOL PUSHER																																					
W. R. A. Aultman		Dennis Connor																																					
TIME DISTRIBUTION—HOURS		MORN		DAY		EVE		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1		PUMP NO. 2		METHOD PUMPS RUN		MUD RECORD			
DRILLING ACTUAL		4		7 1/2		3		16		STANDS DP		265.17 FT.		RUN NO.		1		2		4		1116		1260		14A		190		14 00		5 00		6		12 15		6 00	
REAMING								14		D.C. 2" ID		FT.		SIZE		6 1/4		6 1/4																		WEIGHT 8.9		9.1	
CIRCULATING		3 1/2				2 3/4		14		D.C. 2" ID		FT.		TYPE		DTJ		DTJ																VISC 60		57			
TRIPS		2 1/4						14		RMR BODY OD		FT.		NO.		3		3																W.L.C.C. 8.2					
DEVIATION SURVEY		4						14		STB BODY OD		FT.		NO.		3		3																FLTR. CK.					
TEST B.O.P.		4						14		SUBS OD		FT.		SER. NO.		43291		44521																PH					
CUT OFF DRILL LINE								14		BIT OR C.B.		FT.		DEPTH OUT		12 22																		SD. CONT.					
REPAIR RIG		4						14		KELLY DOWN		FT.		COND. OF BIT		4 00																							
CORING								14		TOTAL		FT.		REAMER CUTTER NO.																									
WIRE LINE LOGGING								14		WT. OF STRING		LBS.		TYPE																									
OTHER		1/2						14		DRILLER																													
FISHING								14		1116		265.17																											
COMPLETING (A) PERFORATING								14		1116		265.17																											
(B) RUNNING TUBING								14		1116		265.17																											
(C) SWABBING								14		1116		265.17																											
(D) TESTING								14		1116		265.17																											
(E) ACIDIZING								14		1116		265.17																											
(F) ADDITIONAL								14		1116		265.17																											
TOTALS		8		8		8		14		1116		265.17																											
TIME SUMMARY (OFFICE USE ONLY)								14		1116		265.17																											
CONTRACTOR'S TIME HRS.								14		1116		265.17																											
OPERATOR'S TIME:								14		1116		265.17																											
HRS. W/D.P.								14		1116		265.17																											
HRS. W/O.D.P.								14		1116		265.17																											
HRS. STANDBY								14		1116		265.17																											
WIRE LINE RECORD								14		1116		265.17																											
REEL NO								14		1116		265.17																											
NO. OF LINES								14		1116		265.17																											
SIZE								14		1116		265.17																											
FEET SLIPPED								14		1116		265.17																											
FEET CUT OFF								14		1116		265.17																											
PRESENT LENGTH								14		1116		265.17																											
TON MI. OF TRIPS SINCE LAST CUT								14		1116		265.17																											
CUMULATIVE TON MI. OF TRIPS								14		1116		265.17																											
NO. OF DAYS FROM SPUD								14		1116		265.17																											
CUMULATIVE ROTATING HRS.								14		1116		265.17																											
								14		1116		265.17																											
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								14		1116		265.17																											

MARCH 17 / 68

OPERATOR		LOCATION		SEC.		TWP.		RGE.		W.		WELL NAME		No.		PROVINCE															
SHELL CANADA LIMITED		LAT. 60° 24' 17.54" N		LONG. 116° 01' 09.7" W								SHELL H.B. GRINDER		F-7		N.W.T.															
CONTRACTOR		RIG No.		DRILL PIPE STRING NO. SIZE		TOOL JOINT		OD		PUMPS		CASING & LINER RECORD		DEPTH SET		PERFORATIONS		CEMENT USED		OTHER											
BIG INDIAN DRILL		35		3 1/2"		TYPE THD. I.F.				1. CARD. VENTURE		6" O		16																	
OPERATOR'S REPRESENTATIVE		CONTRACTOR'S TOOL PUSHER																													
W.P.A. Hutton		E. Morris																													
TIME DISTRIBUTION—HOURS		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1		PUMP NO. 2		METHOD PUMPS RUN		MUD RECORD	
MORN DAY EVE				STANDS DP		FT. RUN NO.																								TIME	
DRILLING ACTUAL		3 1/2		SNGLS. DP		FT. SIZE																								WEIGHT	
REAMING				D.C. ID		MFG.																								VISC	
CIRCULATING				OD		FT. TYPE																								W.L.C.C.	
TRIPS				RMR BODY OD		FT. NO.																								FLTR. CK.	
DEVIATION SURVEY				STB BODY OD		FT. NOZ.																								PH	
TEST B.O.P.		1/4		SUBS OD		FT. SER. NO.																								SD. CONT.	
CUT OFF DRILL LINE				BIT OR C.B.		FT. DEPTH OUT																									
REPAIR RIG		7 3/4				FT. CUMULATIVE HOURS RUN																									
CORING				KELLY DOWN		FT. COND. OF BIT																									
WIRE LINE LOGGING				TOTAL		FT. REAMER CUTTER NO.																									
OTHER		1 1/2		WT. OF STRING		LBS. TYPE																									
FISHING				DRILLER																											
COMPLETING (A) PERFORATING																															
(B) RUNNING TUBING																															
(C) SWABBING																															
(D) TESTING																															
(E) ACIDIZING																															
(F) ADDITIONAL																															
TOTALS		8 1/2																													
TIME SUMMARY (OFFICE USE ONLY)																															
CONTRACTOR'S TIME HRS.																															
OPERATOR'S TIME																															
HRS. W/D.P.																															
HRS. WO/D.P.																															
HRS. STANDBY																															
WIRE LINE RECORD																															
REEL NO																															
NO. OF LINES		SIZE																													
FEET SLIPPED																															
FEET CUT OFF																															
PRESENT LENGTH																															
TON MI. OF TRIPS SINCE LAST CUT																															
CUMULATIVE TON MI. OF TRIPS																															
NO. OF DAYS FROM SPUD																															
CUMULATIVE ROTATING HRS.																															

DAILY DRILLING REPORT

REPORT NO. 91

DATE MAR. 15/68

[illegible]

OPERATOR		SHELL CANADA LIMITED		LOCATION		LSD.		SEC.		TWP.		RGE.		W.		WELL NAME		No.		PROVINCE	
CONTRACTOR		RIG NO.		DRILL PIPE STRING NO. SIZE		TOOL JOINT		4 3/4 OD		PUMPS		NO.		MANUFACTURER		TYPE		STROKE LENGTH		CASING & LINER RECORD	
OPERATOR'S REPRESENTATIVE		CONTRACTOR'S TOOL PUSHER		35		3 1/2		TYPE THD. AS		1.											
TIME DISTRIBUTION—HOURS		MORN		DAY		EVE		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO	
DRILLING ACTUAL		1 1/2						STANDS DP		FT.		RUN NO.		2							
REAMING								SNGLS. DP		FT.		SIZE		9 3/4							
CIRCULATING		1/2						D.C. ID		FT.		MFG.		SMITH							
TRIPS		1/2						RMR BODY OD		FT.		NO.									
DEVIATION SURVEY								STB BODY OD		FT.		NOZ.		SIZE							
TEST B.O.P								SUBS OD		FT.		SER. NO.									
CUT OFF DRILL LINE								BIT OR C.B.		FT.		DEPTH OUT									
REPAIR RIG										FT.		CUMULATIVE HOURS RUN									
CORING								KELLY DOWN		FT.		COND. OF BIT									
WIRE LINE LOGGING								TOTAL		FT.		REAMER CUTTER NO.									
OTHER		8 5/2						WT. OF STRING		LBS.		TYPE									
FISHING								DRILLER													
COMPLETING (A) PERFORATING								NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO	
(B) RUNNING TUBING								STANDS DP		FT.		RUN NO.									
(C) SWABBING								SNGLS. DP		FT.		SIZE									
(D) TESTING								D.C. ID		FT.		MFG.									
(E) ACIDIZING								RMR BODY OD		FT.		NO.									
(F) ADDITIONAL								STB BODY OD		FT.		NOZ.		SIZE							
TOTALS		8						SUBS OD		FT.		SER. NO.									
TIME SUMMARY (OFFICE USE ONLY)								BIT OR C.B.		FT.		DEPTH OUT									
CONTRACTOR'S TIME HRS:										FT.		CUMULATIVE HOURS RUN									
OPERATOR'S TIME:								KELLY DOWN		FT.		COND. OF BIT									
HRS. W/D.P:								TOTAL		FT.		REAMER CUTTER NO.									
HRS WO/D.P:								WT. OF STRING		LBS.		TYPE									
HRS STANDBY								DRILLER													
WIRE LINE RECORD								NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO	
REEL NO								STANDS DP		FT.		RUN NO.		2							
NO OF LINES		SIZE						SNGLS. DP		FT.		SIZE		9 3/4							
FEET SLIPPED								D.C. 2" ID		FT.		MFG.		SMITH							
FEET CUT OFF								RMR BODY OD		FT.		NO.		OPEN							
PRESENT LENGTH								STB BODY OD		FT.		NOZ.		SIZE		CIRC					
TON MI. or TRIPS SINCE LAST CUT								SUBS OD		FT.		SER. NO.		62557							
CUMULATIVE TON MI. or TRIPS								BIT OR C.B.		FT.		DEPTH OUT									
NO. OF DAYS FROM SPUD										FT.		CUMULATIVE HOURS RUN		1 1/2							
CUMULATIVE ROTATING HRS.								KELLY DOWN		FT.		COND. OF BIT									
								TOTAL		FT.		REAMER CUTTER NO.									

C.P.—38 (10/63)

DAILY DRILLING REPORT

REPORT NO. 7

DATE MAR. 13/68

OPERATOR
SHELL CANADA LIMITED

LOCATION
LSD. SEC. TWP. RGE. W.
LAT. 60° 26' 17.54" LONG. 116° 01' 09.7"

WELL NAME
SHELL H.D. GRUBLER F-7

No.

PROVINCE
N.W.T.

CONTRACTOR
BIG INDIA

RIG No.
35

DRILL PIPE STRING NO. SIZE

TOOL JOINT

OD

TYPE THD.

PUMPS
NO. MANUFACTURER TYPE STROKE LENGTH

CASING & LINER RECORD

SIZE

WT. & GR.

DEPTH SET FROM TO

PERFORATIONS FROM TO

CEMENT USED

OTHER

OPERATOR'S REPRESENTATIVE
W.P. Deluca

CONTRACTOR'S TOOL PUSHER
Dennis Conn

TIME DISTRIBUTION—HOURS
MORN DAY EVE

MORNING TOUR

DAY TOUR

EVENING TOUR

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:

MRS. W/D.P:

MRS. WO/D.P:

MRS. STANDRY

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

NO. DRILLING ASSEMBLY

BIT RECORD

HRS. DRLD.

CORE NO.

FROM

TO

FORMATION (SHOW CORE RECOVERY)

ROTA- RY R.P.M.

WT.ON BIT 1000#

PUMP PRESS.

PUMP NO. 1 LINER SIZE S.P.M.

PUMP NO. 2 LINER SIZE S.P.M.

METHOD PUMPS RUN

TIME

WEIGHT

VISC

W.L.-C.C.

FLTR. CK.

PH

SD. CONT.

MUD & CHEMICALS ADDED
TYPE AMT. TYPE AMT.

STANDS DP FT. RUN NO.

SNGLS. DP FT. SIZE

D.C. ID MFG.

OD FT. TYPE

RMR BODY OD FT. NO. NOZ. SIZE

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

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

REMARKS

WAITING ON DERRICK.

NO. DRILLING ASSEMBLY

BIT RECORD

HRS. DRLD.

CORE NO.

FROM

TO

FORMATION (SHOW CORE RECOVERY)

ROTA- RY R.P.M.

WT.ON BIT 1000#

PUMP PRESS.

PUMP NO. 1 LINER SIZE S.P.M.

PUMP NO. 2 LINER SIZE S.P.M.

METHOD PUMPS RUN

TIME

WEIGHT

VISC

W.L.-C.C.

FLTR. CK.

PH

SD. CONT.

MUD & CHEMICALS ADDED
TYPE AMT. TYPE AMT.

STANDS DP FT. RUN NO.

SNGLS. DP FT. SIZE

D.C. ID MFG.

OD FT. TYPE

RMR BODY OD FT. NO. NOZ. SIZE

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

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

REMARKS

NO. DRILLING ASSEMBLY

BIT RECORD

HRS. DRLD.

CORE NO.

FROM

TO

FORMATION (SHOW CORE RECOVERY)

ROTA- RY R.P.M.

WT.ON BIT 1000#

PUMP PRESS.

PUMP NO. 1 LINER SIZE S.P.M.

PUMP NO. 2 LINER SIZE S.P.M.

METHOD PUMPS RUN

TIME

WEIGHT

VISC

W.L.-C.C.

FLTR. CK.

PH

SD. CONT.

MUD & CHEMICALS ADDED
TYPE AMT. TYPE AMT.

STANDS DP FT. RUN NO.

SNGLS. DP FT. SIZE

D.C. ID MFG.

OD FT. TYPE

RMR BODY OD FT. NO. NOZ. SIZE

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

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

REMARKS

DAILY DRILLING REPORT

REPORT NO. 6

DATE MAR 12/68

OPERATOR		LOCATION		LS.D.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE							
SHELL CANADA LIMITED		LST. 60° 26' 17.54"				L6N16.	116° 01' 09.7"		SHELL H.B. GRUMBLER F-7		N.W.T.							
CONTRACTOR		RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	OD	PUMPS		CASING & LINER RECORD	SIZE	WT. & GR.	DEPTH SET FROM TO	PERFORATIONS FROM TO	CEMENT USED	OTHER				
B16 IND. M.I.		35																
OPERATOR'S REPRESENTATIVE		CONTRACTOR'S TOOL PUSHER		TYPE THD.		NO.		MANUFACTURER	TYPE	STROKE LENGTH								
W. R. A. [Signature]		[Signature]				1.												
						2.												
						3.												
TIME DISTRIBUTION—HOURS		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTA- RY R.P.M.	WT.ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 2 LINER SIZE	METHOD PUMPS RUN	MUD RECORD	
MORN DAY EVE		STANDS DP		FT. RUN NO.													TIME	
DRILLING ACTUAL		SNGLS. DP		FT. SIZE													WEIGHT	
REAMING		D.C. ID		MFG.													VISC	
CIRCULATING		D.C. OD		FT. TYPE													W.L.C.C.	
TRIPS		RMR BODY OD		FT. NOZ. NO.													FLTR. CK.	
DEVIATION SURVEY		STB BODY OD		FT. SIZE													PH	
TEST B.O.P.		SUBS OD		FT. SER. NO.													SD. CONT.	
CUT OFF DRILL LINE		BIT OR C.B.		FT. DEPTH OUT														
REPAIR RIG				FT. CUMULATIVE HOURS RUN														
CORING		KELLY DOWN		FT. COND. OF BIT														
WIRE LINE LOGGING		TOTAL		FT. REAMER CUTTER NO.														
OTHER		WT. OF STRING		LBS. TYPE														
FISHING		DRILLER																
COMPLETING (A) PERFORATING		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTA- RY R.P.M.	WT.ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 2 LINER SIZE	METHOD PUMPS RUN	MUD RECORD	
(B) RUNNING TUBING		STANDS DP		FT. RUN NO.													TIME	
(C) SWABBING		SNGLS. DP		FT. SIZE													WEIGHT	
(D) TESTING		D.C. ID		MFG.													VISC	
(E) ACIDIZING		D.C. OD		FT. TYPE													W.L.C.C.	
(F) ADDITIONAL		RMR BODY OD		FT. NOZ. NO.													FLTR. CK.	
TOTALS		STB BODY OD		FT. SIZE													PH	
TIME SUMMARY (OFFICE USE ONLY)		SUBS OD		FT. SER. NO.													SD. CONT.	
CONTRACTOR'S TIME HRS:		BIT OR C.B.		FT. DEPTH OUT														
OPERATOR'S TIME:				FT. CUMULATIVE HOURS RUN														
HRS. W/D.P.:		KELLY DOWN		FT. COND. OF BIT														
HRS. WD/D.P.:		TOTAL		FT. REAMER CUTTER NO.														
HRS. STANDBY		WT. OF STRING		LBS. TYPE														
WIRE LINE RECORD		DRILLER																
REEL NO		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTA- RY R.P.M.	WT.ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 2 LINER SIZE	METHOD PUMPS RUN	MUD RECORD	
NO OF LINES SIZE		STANDS DP		FT. RUN NO.													TIME	
FEET SLIPPED		SNGLS. DP		FT. SIZE													WEIGHT	
FEET CUT OFF		D.C. ID		MFG.													VISC	
PRESENT LENGTH		D.C. OD		FT. TYPE													W.L.C.C.	
TON MI. OF TRIPS SINCE LAST CUT		RMR BODY OD		FT. NOZ. NO.													FLTR. CK.	
CUMULATIVE TON MI. OF TRIPS		STB BODY OD		FT. SIZE													PH	
NO. OF DAYS FROM SPUD		SUBS OD		FT. SER. NO.													SD. CONT.	
CUMULATIVE ROTATING HRS.		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																

WAITING
ONE
DE RIG.

DATE MAR. 11/68

DAILY DRILLING REPORT

REPORT NO.

DATE MAR. 11/68

C.P. 38 (10/63)		DAILY DRILLING REPORT		REPORT NO. 5		DATE MAR. 11/68					
OPERATOR SHELL CANADA LIMITED		LOCATION LST. 60° 26' 17.54" SEC. 17.54" TWP. 116° 01' 09.7"		WELL NAME SHELL H.B. GRUMBLER F-7		No.		PROVINCE N.W.T.			
CONTRACTOR BIG INDIAN		RIG NO. 35		DRILL PIPE STRING NO. SIZE TOOL JOINT TYPE THD.		PUMPS NO. MANUFACTURER TYPE STROKE LENGTH		CASING & LINER RECORD SIZE WT. & GR. DEPTH SET FROM TO PERFORATIONS FROM TO CEMENT USED OTHER			
OPERATOR'S REPRESENTATIVE W. P. A. [Signature]		CONTRACTOR'S TOOL PUSHER [Signature]									
TIME DISTRIBUTION—HOURS		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD. CORE NO. FROM TO FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M. WT. ON BIT 1000± PUMP PRESS. PUMP NO. 1 LINER SIZE S.P.M. PUMP NO. 2 LINER SIZE S.P.M. METHOD PUMPS RUN		MUD RECORD TIME WEIGHT VISC. W.L.C.C. FLTR. CK. PH SD. CONT.	
DRILLING ACTUAL		STANDS DP		FT. RUN NO.							
REAMING		SNGLS. DP		FT. SIZE							
CIRCULATING		D.C. ID		MFG.							
TRIPS		OD		FT. TYPE							
DEVIATION SURVEY		RMR BODY OD		FT. NO. NO.		DEVIATION RECORD: DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION		DEPTH DEV. DIRECTION			
TEST B.O.P		STB BODY OD		FT. NOZ. SIZE							
CUT OFF DRILL LINE		SUBS OD		FT. SER. NO.							
REPAIR RIG		BIT OR C.B.		FT. DEPTH OUT							
CORING				FT. CUMULATIVE HOURS RUN							
WIRE LINE LOGGING		KELLY DOWN		FT. COND. OF BIT							
OTHER		TOTAL		FT. REAMER CUTTER NO.							
FISHING		WT. OF STRING		LBS. TYPE							
COMPLETING (A) PERFORATING (B) RUNNING TUBING (C) SWABBING (D) TESTING (E) ACIDIZING (F) ADDITIONAL		DRILLER									
TOTALS		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD. CORE NO. FROM TO FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M. WT. ON BIT 1000± PUMP PRESS. PUMP NO. 1 LINER SIZE S.P.M. PUMP NO. 2 LINER SIZE S.P.M. METHOD PUMPS RUN		MUD RECORD TIME WEIGHT VISC. W.L.C.C. FLTR. CK. PH SD. CONT.	
TIME SUMMARY (OFFICE USE ONLY)		STANDS DP		FT. RUN NO.							
CONTRACTOR'S TIME HRS:		SNGLS. DP		FT. SIZE							
OPERATOR'S TIME:		D.C. ID		MFG.							
HRS. W/D.P:		OD		FT. TYPE							
HRS WO/D.P:		RMR BODY OD		FT. NO. NO.		DEVIATION RECORD: DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION		DEPTH DEV. DIRECTION			
HRS STANDBY		STB BODY OD		FT. NOZ. SIZE							
WIRE LINE RECORD		SUBS OD		FT. SER. NO.							
REEL NO		BIT OR C.B.		FT. DEPTH OUT							
NO OF LINES SIZE				FT. CUMULATIVE HOURS RUN							
FEET SLIPPED		KELLY DOWN		FT. COND. OF BIT							
FEET CUT OFF		TOTAL		FT. REAMER CUTTER NO.							
PRESENT LENGTH		WT. OF STRING		LBS. TYPE							
TON MI. OF TRIPS SINCE LAST CUT		DRILLER									
CUMULATIVE TON MI. OF TRIPS											
NO. OF DAYS FROM SPUD		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD. CORE NO. FROM TO FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M. WT. ON BIT 1000± PUMP PRESS. PUMP NO. 1 LINER SIZE S.P.M. PUMP NO. 2 LINER SIZE S.P.M. METHOD PUMPS RUN		MUD RECORD TIME WEIGHT VISC. W.L.C.C. FLTR. CK. PH SD. CONT.	
CUMULATIVE ROTATING HRS.		STANDS DP		FT. RUN NO.							
		SNGLS. DP		FT. SIZE							
		D.C. ID		MFG.							
		OD		FT. TYPE							
		RMR BODY OD		FT. NO. NO.		DEVIATION RECORD: DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION		DEPTH DEV. DIRECTION			
		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									
		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD. CORE NO. FROM TO FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M. WT. ON BIT 1000± PUMP PRESS. PUMP NO. 1 LINER SIZE S.P.M. PUMP NO. 2 LINER SIZE S.P.M. METHOD PUMPS RUN		MUD RECORD TIME WEIGHT VISC. W.L.C.C. FLTR. CK. PH SD. CONT.	
		STANDS DP		FT. RUN NO.							
		SNGLS. DP		FT. SIZE							
		D.C. ID		MFG.							
		OD		FT. TYPE							
		RMR BODY OD		FT. NO. NO.		DEVIATION RECORD: DEPTH DEV. DIRECTION DEPTH DEV. DIRECTION		DEPTH DEV. DIRECTION			
		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							

DAILY DRILLING REPORT

REPORT NO. 4

DATE MAR. 10/68

OPERATOR		LOCATION		SEC.		TWP.		RGE.		W.		WELL NAME		No.		PROVINCE													
SHELL CANADA LIMITED		LAT. 60° 26' 17.54"		LONG. 116° 01' 09.7"								SHELL GRUMBLE F-7				N.W.T.													
CONTRACTOR		RIG No.		DRILL PIPE STRING NO. SIZE		TOOL JOINT		OD		PUMPS		CASING & LINER RECORD		DEPTH SET FROM TO		PERFORATIONS FROM TO		CEMENT USED		OTHER									
BIG INDIAN		35								NO. MANUFACTURER TYPE STROKE LENGTH																			
OPERATOR'S REPRESENTATIVE		CONTRACTOR'S TOOL PUSHER																											
W. R. A. Johnston		W. R. A. Johnston																											
TIME DISTRIBUTION—HOURS		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD	
DRILLING ACTUAL		STANDS DP		FT. RUN NO.																								TIME	
REAMING		SNGLS. DP		FT. SIZE																								WEIGHT	
CIRCULATING		D.C. ID		MFG.																								VISC	
TRIPS		RMR 200Y OD		FT. TYPE																								W.L.-C.C.	
DEVIATION SURVEY		STB BODY OD		FT. NOZ. NO.																								FLTR. CK.	
TEST B.O.P.		SUBS OD		FT. SER. NO.																								PH	
CUT OFF DRILL LINE		BIT OR C.B.		FT. DEPTH OUT																								SD. CONT.	
REPAIR RIG				FT. CUMULATIVE HOURS RUN																									
CORING		KELLY DOWN		FT. COND. OF BIT																									
WIRE LINE LOGGING		TOTAL		FT. REAMER CUTTER NO.																									
OTHER		WT. OF STRING		LBS. TYPE																									
FISHING		DRILLER																											
COMPLETING (A) PERFORATING		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD	
(B) RUNNING TUBING		STANDS DP		FT. RUN NO.																								TIME	
(C) SWABBING		SNGLS. DP		FT. SIZE																								WEIGHT	
(D) TESTING		D.C. ID		MFG.																								VISC	
(E) ACIDIZING		D.C. OD		FT. TYPE																								W.L.-C.C.	
(F) ADDITIONAL		RMR BODY OD		FT. NOZ. NO.																								FLTR. CK.	
TOTALS		STB BODY OD		FT. SIZE																								PH	
TIME SUMMARY (OFFICE USE ONLY)		SUBS OD		FT. SER. NO.																								SD. CONT.	
CONTRACTOR'S TIME HRS:		BIT OR C.B.		FT. DEPTH OUT																									
OPERATOR'S TIME:				FT. CUMULATIVE HOURS RUN																									
HRS. W/D.P.:		KELLY DOWN		FT. COND. OF BIT																									
HRS. WO/D.P.:		TOTAL		FT. REAMER CUTTER NO.																									
HRS. STANDBY		WT. OF STRING		LBS. TYPE																									
WIRE LINE RECORD		DRILLER																											
REEL NO		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD	
NO. OF LINES SIZE		STANDS DP		FT. RUN NO.																								TIME	
FEET SLIPPED		SNGLS. DP		FT. SIZE																								WEIGHT	
FEET CUT OFF		D.C. ID		MFG.																								VISC	
PRESENT LENGTH		D.C. OD		FT. TYPE																								W.L.-C.C.	
TON MI. OF TRIPS SINCE LAST CUT		RMR BODY OD		FT. NOZ. NO.																								FLTR. CK.	
CUMULATIVE TON MI. OF TRIPS		STB BODY OD		FT. SIZE																								PH	
NO. OF DAYS FROM SPUD		SUBS OD		FT. SER. NO.																								SD. CONT.	
CUMULATIVE ROTATING HRS.		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																											

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N.W.T

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