

SHELL DESMARRAIS

J-48

Drilling Authority No. 278.....

Date Issued NOV. 24, 1967.....

WELL NAME Shell Derricks J-48

FIELD

LOCATION: Unit

J

Area:

Section

48

Grid

61-00-116-45

Latitude 40-57-43 N

Longitude

116-53-08 W

From Established Reference Marker

U.W.I.-R. 40-46207 -- 116.99552

U.W.I.-No. 300JL84100116450

Rig Release Date: DEC 7/67

Status

N-2

Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
Nov. 24/67	Application for a Drilling Authority.
Dec 12/67	Well Completion Data.
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
Dec 11/67	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No.
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells — Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells — Vitter's Method.
	M.P.R. — Oil — Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs. Large scale Small scale



Date Issued 24th November 1967

WELL COMPLETION DATA

Well name and number

Shell Damage J-48

Permit No. 4236

Lease No.

Shell Canada Limited

Exploratory Licence No. 1877

(Normality, Liveness, Love)

Shell Canada Limited

Exploratory Licence No. 1877

(Operator)

Location: Unit.

二

Section

49

Grid 61°00' 116°45'

Latitude 60° 57' 43.46" N.

Longitude

116° 53' 07.9" W.

From Established Reference Marker Goodstie Trig. Station McHalls

Universal Well Location Reference - Lat. 60.96207° N; Long. 116.88552° W.

CASINO RECORD

GEOLOGICAL TONE

CORE RECORD

LOG RECORD

DEPT. OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION
DEC 19 1967
CALGARY, ALBERTA
OR
CONSERVATION ENGINEER
NORTHWEST TERRITORIES & YUKON TERRITORY

CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Bullet, Jet)				SERVICING RECORD (Adjusting, Fracking, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
Dec. 6/67	2058	1250	230 sts. neat const. cement in 2 stages. Plug down 11:00 p.m.	None							
Dec. 7/67	400	300	30 sts. constr. cement + 2% CaCl ₂ . Plug down 12:15 a.m. Felt plug w/ 3000# @ 8:30 a.m.								

5 snags in surface casing. Cut off casing 3' below ground level.
O.K. DRILL STEM TESTS

[illegible]

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

Shell Canada Limited
ORIGINAL SIGNED BY
E. A. HOPKIN
Manager, Edmonton Division Production
December 14, 1967

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



INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
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 Desmarais J-48**
Location: Unit **J** Section **48** Grid **61° 00', 116° 45'**
Latitude **60° 37' 43.46"** Longitude **116° 53' 07.90"**
From Established Reference Marker
Universal Well Location Reference - Lat. 60.96207° N., Long. 116.88552° W.
Permit No. **4736** Lease No. **-**

Shell Canada Limited
(Permitter, Licensee, Lessee)

Date of commencement of proposed program **December 6, 1967**

OIL, GAS, AND WATER ENCOUNTERED (Depths)

Oil at **Nil**
Gas at **Nil**
Water at **1858 - 1873 (Bear Rock); 2026 - 2030 (Granite Wash)**
Total Depth **2058** Date of last operations **December 7, 1967**
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"	204	20 Jts.	353'	220 Sacks Portland	Nil
2.				+ 2% CaCl₂	
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1.	2058 - 1250	Devonian	230 sacks	-
2.	400 - 300	Devonian	30 sacks	Peel after WOC
				8 hours
3.	Surface		5 sacks	Cut off casing; weld
				on plate; erect sign

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

Operations to be carried out by **Big Indian Drilling** Contractor License No. **18213**
Address **Calgary, Alberta** Co. Ltd. Address **Calgary, Alberta**
Responsible Agent in Field **G. Kenney**
Dated at **Edmonton** this **7** Day of **December** 19 **67**
Signed by **C. F. WATTS** Company **Shell Canada Limited**
Title **Manager - Edmonton Division** 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 that approval given by Mr. B.R.J. Thoms

Dated **11th December** 19 **67**

B.R.J. Thoms
Oil Conservation Engineer

Drilling Authority No. 278

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 Desmarais J-48
 Location: Unit J Section 48 Grid 61° 00' 116° 45'
 Latitude 60° 57' 43" N Longitude 116° 53' 08" W
 From Established Reference Marker
 Universal Well Location Reference Lat. 60.96207° N., Long. 116.88532° W.
 Elevation: Ground Approx. 600 K.B. Approx. 610 feet above sea-level.
 Well is expected to produce from Slave Point formation at a depth
 of about 1200' feet. Expected total final depth 2150
 Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. 4236 Lease No. 31,082 Acreage 31,082
 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. <u>7"</u>	<u>206</u>	<u>J-55</u>	<u>New</u>	<u>300'</u>	<u>105 sacks</u>
2. <u>or 7"</u>	<u>236</u>	<u>N-80</u>	<u>New</u>	<u>300'</u>	<u>105 sacks</u>
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. Hopkin Company Shell Canada Limited
 Title Manager-Edmonton Division Operator's Licence No. 1877
Production

(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 24th November 19 67

Oil Conservation Engineer

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

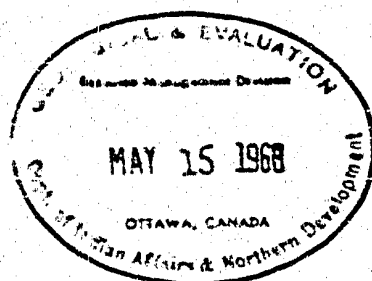
IAND 52-90-1 (3-67)

Unique Well Identifier - 300J486100116450

SHELL DESMARAIS J-48

60°57'43.46"N 116°53'07.90"W

WELL HISTORY REPORT



WELL HISTORY REPORT
SHELL DESMARAIS J-48
SHELL CANADA LIMITED
APRIL 11, 1968

SHELL DESMARAIS J-48

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SECTION I SUMMARY OF WELL DATA

(a) Well Name and Number

Shell Desmarais J-48

(b) Permittee

Shell Canada Limited

(c) Operator

Shell Canada Limited, Box 186, Edmonton, Alberta.

(d) Location

Unit J Section 48 Grid 61°00'.116° 45'
Latitude 60°57' 43.46" Longitude 116°53' 07.90"

(e) Permit No.

4236

(f) Drilling Contractor

Big Indian Drilling Co. Ltd., Rig #17

(g) Drilling Authority

Drilling Authority No. 278
Issued November 24, 1967.

(h) Classification

Wildcat

(i) Elevations

Ground 596.4', K.B. 605.4'

(j) Spudded

November 26, 1967.

(k) Completed Drilling

December 6, 1967.

(l) Abandoned

December 6, 1967.

(m) Total Depth and Plugged Back Total Depth

T.D. 2058 (Driller)
P.B.T.D. - Surface

(n) Well Status

Dry and Abandoned

(o) Rig Released

December 7, 1967.

(p) Hole Size

9 7/8" to 363
6 1/4" to 2058 (T.D.)

(q) Casing

7", J55, 20# set at 353' K.B., with 220 sacks Portland cement
+ 2% CaCl_2 .

(r) Universal Well Location Reference

Lat. 60.96207° N.
Long. 116.88552° W.

(s) Unique Well Identifier

300J486100116450

SECTION II GEOLOGICAL SUMMARY(a) Formation Tops

<u>Formation</u>	<u>Depth</u>
Slave Point	1302 (-697)
Island River	1442 (-837)
Hume	1698 (-1093)
Bear Rock	1858 (-1253)
Granite Wash	2002 (-1397)

(b) Cores

No core cut.

(c) Sample Description

As per attached report.

SECTION III ENGINEERING SUMMARY(a) Drillstem Tests

None

(b) Casing Record

<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Amount</u>	<u>Depth</u>	<u>Cement</u>
7"	20	J55	8 JTS	353 KB	220 sacks Portland

(c) Bit Record

<u>No.</u>	<u>Size</u>	<u>Type</u>	<u>Depth Out</u>	<u>Feet Cut</u>	<u>Hours</u>
1A	9 7/8"	DT	363	363	14
1	6 1/4"	DTJ	1339	976	17 3/4
2	6 1/4"	DT2G	1570	231	11 3/4
3	6 1/4"	DT2G	1667	97	14
4	6 1/4"	DT2G	1785	118	14 1/2
5	6 1/2	DT2G	1931	146	17 1/2
6	6 1/4	DT2G	2025	144	15 1/4
7	6 1/4	SV2	2058	33	17 1/4

(d) Mud Record

<u>Gel</u>	<u>Caustic</u>	<u>Spersene</u>	<u>CMC</u>
110 sacks	11 sacks	20 sacks	4 sacks

(e) Deviation Record

<u>Depth</u>	<u>Deviation (Totco²)</u>
158	3/4
363	3/4
844	1/4
1308	1/2
1570	3/4
1682	3/4
1817	2

(f) Abandonment Plugs

<u>Date</u>	<u>Interval</u>	<u>Cement and Additives</u>	<u>Remarks</u>
12/5/67	2058-1250	230 sacks Portland	
12/6/67	400-300	30 sacks Portland + 27 CaCl ₂	Felt plug at 315'

5 sacks cement in surface casing.

(g) Lost Circulation Zones

None

Cut off casing 3' below
ground level, welded on plate,
erected sign.(h) Blowouts

None

SECTION IV LOGS

<u>Date</u>	<u>Interval</u>	<u>Type</u>
Dec. 6/67	2057-356	IES
Dec. 6/67	2057-356	B.H.C.S.-GR-C

Three copies of each log forwarded January 15, 1968.

SECTION V ANALYSIS

(a) Core Analysis

None

(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

<u>Plug No.</u>	<u>Date</u>	<u>Interval</u>	<u>Formation</u>	<u>Cement</u>
1	12/6/68	2058-1250	Slave Point	230 sacks Portland
2	12/7/68	400-300	Surface csg	30 sacks + 2% CaCl ₂

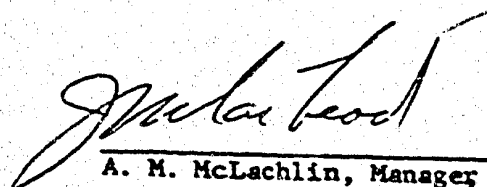
5 sacks in surface csg.

Cut off surface casing 3' below
ground level welded on plate and erected sig.(d) Acidization and Fracturing Record

None

(e) Back Pressure and Production Tests

None



A. M. McLachlin, Manager
Edmonton Division Production.

for

SHELL DISTURBANCE J-48

T.D. 2058

N.B. 605

LATITUDE: 60° 57' 43.46" N.

LONGITUDE: 116° 53' 07.90" W.

0' -10'	Sandstone	Sandstone, conglomerate, unconsolidated.
10' -20'	Sandstone	Sandstone, conglomerate, unconsolidated.
20' -30'	Sandstone	Sandstone, conglomerate, unconsolidated.
30' -40'	Sandstone	Sandstone, conglomerate, unconsolidated.
40' -50'	Sandstone	Sandstone, conglomerate, unconsolidated.
50' -60'	Sandstone	Sandstone, conglomerate, unconsolidated.
60' -70'	Sandstone	Sandstone, conglomerate, unconsolidated.
70' -80'	Sandstone	Sandstone, conglomerate, unconsolidated.
80' -90'	Sandstone	Sandstone, conglomerate, unconsolidated.
90' -100'	Sandstone	Sandstone, conglomerate, unconsolidated.
100' -110'	Sandstone	Sandstone, conglomerate, unconsolidated.
110' -120'	Sandstone	Sandstone, conglomerate, unconsolidated.
120' -130'	Sandstone	Sandstone, conglomerate, unconsolidated.
130' -140'	Sandstone	Sandstone, conglomerate, unconsolidated.

140' -150'	Sandstone	Sandstone, conglomerate, unconsolidated.
150' -160'	Sandstone	Sandstone, conglomerate, unconsolidated.
160' -170'	Sandstone	Sandstone, conglomerate, unconsolidated.
170' -180'	Sandstone	Sandstone, conglomerate, unconsolidated.
180' -190'	Sandstone	Sandstone, conglomerate, unconsolidated.
190' -200'	Sandstone	Sandstone, conglomerate, unconsolidated.
200' -210'	Sandstone	Sandstone, conglomerate, unconsolidated.
210' -220'	Sandstone	Sandstone, conglomerate, unconsolidated.
220' -230'	Sandstone	Sandstone, conglomerate, unconsolidated.
230' -240'	Sandstone	Sandstone, conglomerate, unconsolidated.
240' -250'	Limestone	Limestone, grey, slightly argillaceous.
250' -260'	Limestone	Limestone, grey, slightly argillaceous.
260' -270'	Limestone	Limestone, grey, slightly argillaceous.
270' -280'	Limestone	Limestone, grey, slightly argillaceous.
280' -290'	Limestone	Limestone, grey, slightly argillaceous.
290' -300'	Limestone	Limestone, grey, slightly argillaceous.
300' -310'	Limestone	Limestone, grey, slightly argillaceous.

310' -320'	Limestone	Limestone, gray, slightly argillaceous.
320' -330'	Limestone	Limestone, gray, slightly argillaceous.
330' -340'	Limestone	Limestone, gray, slightly argillaceous.
340' -350'	Limestone	Limestone, gray, slightly argillaceous.
350' -360'	Limestone	Limestone, gray, slightly argillaceous.
360' -370'	Shale	Shale, black, very calcareous.
370' -380'	Shale	Shale, black, very calcareous.
380' -390'	Shale	Shale, black, very calcareous.
390' -400'	Shale	Shale, black, very calcareous.
400' -410'	Shale	Shale, black, very calcareous.
410' -420'	Shale	Shale, black, very calcareous.
420' -430'	Shale	Shale, black, very calcareous.
430' -440'	Shale	Shale, black, very calcareous.
440' -450'	Shale	Shale, black, very calcareous.
450' -460'	Shale	Shale, black, very calcareous.
460' -470'	Shale	Shale, black, very calcareous.
470' -480'	Shale	Shale, black, very calcareous.
480' -490'	Shale	Shale, black, very calcareous.

490' -500'	Shale	Shale, black, very calcareous.
500' -510'	Shale	Shale, black, very calcareous.
510' -520'	Shale	Shale, black, very calcareous.
520' -530'	Shale	Shale, black, very calcareous.
530' -540'	Shale	Shale, black, very calcareous.
540' -550'	Shale	Shale, black, very calcareous.
550' -560'	Shale	Shale, black, very calcareous.
560' -570'	Shale	Shale, black, very calcareous.
570' -580'	Shale	Shale, black, very calcareous.
580' -590'	Shale	Shale, black, very calcareous.
590' -600'	Shale	Shale, black, very calcareous.
600' -610'	Shale	Shale, black, very calcareous.
610' -620'	Shale	Shale, black, very calcareous.
620' -630'	Shale	Shale, black, very calcareous.
630' -640'	Shale	Shale, black, very calcareous.
640' -650'	Shale	Shale, black, very calcareous.
650' -660'	Shale	Shale, black, very calcareous.

660' -670'	Shale	Shale, black, very calcareous.
670' -680'	Shale	Shale, black, very calcareous.
680' -690'	Shale	Shale, black, very calcareous.
690' -700'	Shale	Shale, black, very calcareous.
700' -710'	Shale	Shale, black, very calcareous.
710' -720'	Shale	Shale, black, very calcareous.
720' -730'	Shale	Shale, black, very calcareous.
730' -740'	Shale	Shale, black, very calcareous.
740' -750'	Shale	Shale, black, very calcareous.
750' -760'	Shale	Shale, black, very calcareous.
760' -770'	Shale	Shale, black, very calcareous.
770' -780'	Shale	Shale, black, very calcareous.
780' -790'	Shale	Shale, black, very calcareous.
790' -800'	Shale	Shale, black, very calcareous.
800' -810'	Shale	Shale, black, very calcareous.
810' -820'	Shale	Shale, black, very calcareous.
820' -830'	Shale	Shale, black, very calcareous.

830' -840'	Shale	Shale, black, very calcareous.
840' -850'	Shale	Shale, black, very calcareous.
850' -860'	Shale	Shale, black, very calcareous.
860' -870'	Shale	Shale, black, very calcareous.
870' -880'	Shale	Shale, black, very calcareous.
880' -890'	Shale	Shale, black, very calcareous.
890' -900'	Shale	Shale, black, very calcareous.
900' -910'	Shale	Shale, black, very calcareous.
910' -920'	Shale	Shale, black, very calcareous.
920' -930'	Shale	Shale, black, very calcareous.
930' -940'	Shale	Shale, black, very calcareous.
940' -950'	Shale	Shale, black, very calcareous.
950' -960'	Shale	Shale, black, very calcareous.
960' -970'	Shale	Shale, black, very calcareous.
970' -980'	Shale	Shale, black, very calcareous.
980' -990'	Shale	Shale, black, very calcareous.
990' -1000'	Shale	Shale, black, very calcareous.
1000' -1010'	Shale	Shale, black, very calcareous.

1020' -1020'	Shale	Shale, black, very calcareous.
1020' -1030'	Shale	Shale, black, very calcareous.
1030' -1040'	Shale	Shale, black, very calcareous.
1040' -1050'	Shale	Shale, black, very calcareous.
1050' -1060'	Shale	Shale, black, very calcareous.
1060' -1070'	Shale	Shale, black, very calcareous.
1070' -1080'	Shale	Shale, black, very calcareous.
1080' -1090'	Shale	Shale, black, very calcareous.
1090' -1100'	Shale	Shale, black, very calcareous.
1100' -1110'	Shale	Shale, black, very calcareous.
1110' -1120'	Shale	Shale, black, very calcareous.
1120' -1130'	Shale	Shale, black, very calcareous..
1130' -1140'	Shale	Shale, black, very calcareous.
1140' -1150'	Shale	Shale, black, very calcareous.
1150' -1160'	Shale	Shale, black, very calcareous.
1160' -1170'	Shale	Shale, black, very calcareous.
1170' -1180'	Shale	Shale, black, very calcareous.
1180' -1190'	Shale	Shale, black, very calcareous.

1190' -1200'	Shale	Shale, black, very calcareous.
1200' -1210'	Shale	Shale, black, very calcareous.
1210' -1220'	Shale	Shale, black, very calcareous.
1220' -1230'	Shale	Shale, black, very calcareous.
1230' -1240'	Shale	Shale, black, very calcareous.
1240' -1250'	Shale	Shale, black, very calcareous.
1250' -1260'	Shale	Shale, black, very calcareous.
1260' -1270'	Shale	Shale, black, very calcareous.
1270' -1280'	Shale	Shale, black, very calcareous.
1280' -1290'	Shale	Shale, black, very calcareous.
1290' -1300'	Shale	Shale, black, very calcareous.
1300' -1310'	Shale	Shale, black, very calcareous.
1310' -1320'	Shale	Shale, black, very calcareous.
1320' -1330'	Shale	Shale, black, very calcareous.
1330' -1340'	Shale	Shale, black, very calcareous.
1340' -1350'	Shale	Shale, black, very calcareous.
1350' -1360'	Shale	Shale, black, very calcareous.

1360' -1370'	Shale	Shale, black, very calcareous.
1370' -1380'	Shale	Shale, black, very calcareous.
1380' -1390'	Shale	Shale, black, very calcareous.
1390' -1400'	Shale	Shale, medium grey-green, calcareous.
1400' -1410'	Shale	Shale, medium grey-green, calcareous.
1410' -1420'	Shale	Shale, medium grey-green, calcareous.
1420' -1430'	Limestone	Limestone, medium grey, fossiliferous, trace of shale, pyrite, some sparry matrix.
1430' -1440'	Limestone	Limestone, medium grey, fossiliferous, trace of shale, pyrite, some sparry matrix.
1440' -1450'	Limestone	Limestone, medium grey, fossiliferous, trace of shale, pyrite, some sparry matrix.
1450' -1460'	Limestone	Limestone, medium grey, fossiliferous, trace of shale, pyrite, some sparry matrix.
1460' -1470'	Limestone - Shale	Limestone, medium dark brown, with grey shale.
1470' -1480'	Limestone - Shale	Limestone, medium dark brown, with grey shale.
1480' -1490'	Limestone - Shale	Limestone, medium dark brown, with grey shale.
1490' -1500'	Limestone - Shale	Limestone, medium dark brown, with grey shale.
1500' -1510'	Limestone - Shale	Limestone, medium dark brown, with grey shale.
1510' -1515'	Shale - Limestone	Shale, grey, with dark brown limestone.
1515' -1520'	Limestone - Shale	Limestone, medium dark brown, with grey shale.

1520' -1530'	Limestone	Limestone, medium light grey, fossiliferous, some sparry matrix, trace of shale.
1530' -1540'	Shale	Shale, dark brown, some lime mud.
1540' -1545'	Shale	Shale, dark brown, some lime mud.
1545' -1550'	Limestone	Limestone, medium brown, with some grey shale.
1550' -1555'	Limestone	Limestone, medium dark brown, fossiliferous, some grey shale.
1555' -1560'	Shale	Shale, dark brown, with some limestone.
1560' -1565'	Limestone	Limestone, medium dark brown, fossiliferous, some grey shale.
1565' -1570'	Shale	Shale, dark brown, with some limestone.
1570' -1580'	Limestone	Limestone, medium brown, fossiliferous, with trace of grey shale.
1580' -1590'	Limestone	Limestone, medium dark brown, fossiliferous, traces of shale and pyrite.
1590' -1600'	Limestone	Limestone, medium dark brown, fossiliferous, traces of shale and pyrite.
1600' -1610'	Limestone	Limestone, medium dark brown, fossiliferous, traces of shale and pyrite.
1610' -1620'	Limestone	Limestone, medium dark brown, fossiliferous, traces of shale and pyrite.
1620' -1630'	Limestone	Limestone, medium dark brown, fossiliferous, traces of shale and pyrite.
1630' -1635'	Limestone	Limestone, medium dark brown, fossiliferous, traces of shale and pyrite.

1635' -1640'	Shale - Limestone	Shale, dark brown, with fossiliferous limestone.
1640' -1650'	Shale - Limestone	Shale, dark brown, with limestone, fossiliferous.
1650' -1660'	Shale - Limestone	Shale, dark brown, with limestone, fossiliferous.
1660' -1670'	Shale - Limestone	Shale, dark brown, with limestone, fossiliferous.
1670' -1680'	Shale - Limestone	Shale, dark brown, with limestone, fossiliferous.
1680' -1690'	Shale - Limestone	Shale, dark brown, with limestone, fossiliferous.
1690' -1700'	Limestone	Limestone, medium brown-grey, fossiliferous, trace of shale.
1700' -1710'	Limestone	Limestone, medium brown-grey, fossiliferous, trace of shale.
1710' -1720'	Limestone	Limestone, medium brown-grey, fossiliferous, trace of shale.
1720' -1730'	Limestone	Limestone, medium brown-grey, fossiliferous, traces of shale, pyrite.
1730' -1740'	Limestone	Limestone, medium brown-grey, fossiliferous, traces of shale, pyrite.
1740' -1750'	Limestone	Limestone, medium brown-grey, fossiliferous, traces of shale, pyrite.
1750' -1760'	Limestone	Limestone, medium brown-grey, fossiliferous, traces of shale, pyrite.
1760' -1770'	Limestone	Limestone, medium grey, fossiliferous, trace of shale.

1770' -1780'	Limestone	Limestone, medium gray, fossiliferous, trace of shale.
1780' -1790'	Limestone	Limestone, medium gray, fossiliferous, trace of shale.
1790' -1800'	Limestone	Limestone, medium gray, fossiliferous, traces of shale, pyrite.
1800' -1810'	Limestone	Limestone, medium gray, fossiliferous, traces of shale, pyrite.
1810' -1820'	Limestone	Limestone, medium gray, fossiliferous, traces of shale, pyrite.
1820' -1830'	Limestone	Limestone, medium gray, fossiliferous, traces of shale, pyrite.
1830' -1840'	Limestone	Limestone, medium gray, fossiliferous, traces of shale, pyrite.
1840' -1850'	Limestone	Limestone, medium gray, fossiliferous, traces of shale, pyrite.
1850' -1860'	Limestone	Limestone, medium gray, fossiliferous, traces of shale, pyrite.
1860' -1865'	Limestone	Limestone, medium gray, fossiliferous, traces of shale, pyrite.
1865' -1870'	Dolomite	Dolomite, medium tan.
1870' -1880'	Dolomite	Dolomite, medium tan, with trace of white anhydrite.
1880' -1890'	Dolomite	Dolomite, medium tan, with trace of white anhydrite.
1890' -1900'	Dolomite	Dolomite, medium tan, with trace of white anhydrite.
1900' -1910'	Anhydrite	Anhydrite, light grey-white, with some tan dolomite.

1910' -1920'	Anhydrite	Anhydrite, light grey-white, with some tan dolomite.
1920' -1930'	Anhydrite	Anhydrite, light grey-white, with some tan dolomite.
1930' -1940'	Anhydrite	Anhydrite, light grey-white, with some tan dolomite.
1940' -1950'	Anhydrite	Anhydrite, light grey-white, with some tan dolomite.
1950' -1960'	Anhydrite	Anhydrite, light grey-white, with some tan dolomite.
1960' -1970'	Anhydrite	Anhydrite, light grey-white, with some tan dolomite.
1970' -1980'	Anhydrite	Anhydrite, light grey-white, with some tan dolomite.
1980' -1990'	Anhydrite	Anhydrite, light grey-white, with some tan dolomite.
1990' -2000'	Anhydrite	VERY POOR SAMPLES. Anhydrite, light grey-white, with some tan dolomite, cavings.
2000' -2010'	Anhydrite	VERY POOR SAMPLES. Anhydrite, light grey-white, with some tan dolomite, cavings.
2010' -2020'	Sandstone	Sandstone, white, with some pink fresh feldspar.
2020' -2030'	Sandstone	Sandstone, white, with some fresh pink feldspar, streak of red shale.
2030' -2040'	Sandstone	Sandstone, white, with some fresh pink feldspar, streak of red shale.
2040' -2050'	Sandstone	Sandstone, white, with some fresh pink feldspar, streak of red shale.
2050' -2058'	Sandstone	Sandstone, white, with some fresh pink feldspar, streak of red shale.

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TIME DISTRIBUTION—HOURS				NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRILD.	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			STANDS DP	FT.	RUN NO.										LINER SIZE	S.P.M.	LINER SIZE	S.P.M.		TIME					
DRILLING ACTUAL	7:45		7:46	59		SNGLS. DP	182164 FT.	SIZE	6 3/4	10'4"		1950	2000			100	15	700	6"	40			WEIGHT	12 1/2	4 1/2	6 1/4		
REAMING					ID	D.C.		MFG.	SMITH													VISC	55	55	55			
CIRCULATING					OD	18657 FT.		TYPE	DT2G													W.L.-C.C.						
TRIPS		2 3/4	1/2		RMR BODY OD	FT.		NOZ.	NO.	DEVIATION RECORD:		DEPTH	DEV.	DIRECTION		DEPTH	DEV.	DIRECTION		DEPTH	DEV.	DIRECTION	FLTR. CK.					
DEVIATION SURVEY					STS BODY OD	FT.		SIZE	REG					-								PH	9	9	9			
TEST B.O.P	24	1/4			SUBS OD	FT.		SER. NO	10248	REMARKS														SD. CONT.				
CUT OFF DRILL LINE					BIT OR C.B.	FT.		DEPTH OUT		8'10"		RIG SERVICE & B.O.P.S																
REPAIR RIG						FT.		CUMULATIVE HOURS RUN		12'5"		DWH 6 3/4 hole																
CORING					KELLY DOWN	FT.		COND. OF BIT																				
WIRE LINE LOGGING					TOTAL	204921 FT.		REAMER CUTTER NO.																				
OTHER			1/4		WT. OF STRING	28000 LBS.		TYPE																				
FISHING	AN	1	2		DRILLER																							
COMPLETING																												

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Wm Forester

DAILY DRILLING REPORT

REPORT NO. 7

DATE DEC 2/67

OPERATOR		LOCATION		SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE			
SHELL CANADA LIMITED		60° 57' 43" N 116° 53' 08" W						SHELL OIL OESMARRIS	1-48	NWT			
CONTRACTOR		RIG NO.	DRILL PIPE STRING NO. & SIZE	TOOL JOINT	TYPE THD.	PUMPS			CASING & LINER RECORD	DEPTH SET FROM TO	PERFORATIONS FROM TO	CEMENT USED	OTHER
BIG INDIAN OIL CO		17		4 3/4 OD	AI								
OPERATOR'S REPRESENTATIVE		CONTRACTOR'S TOOL PUSHER											
J. Holstein		J. Holstein											
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. OF TRIPS SINCE LAST CUT													
CUMULATIVE TON MI. OF TRIPS													
NO. OF DAYS FROM SPUD													
CUMULATIVE ROTATING HRS.													
MUD RECORD													
TIME													
WEIGHT													
VISC													
W.L.C.C.													
FLTR. CK.													
PH													
SD. CONT.													
MUD & CHEMICALS ADDED													
TYPE													
AMT.													
MUD RECORD													
TIME													
WEIGHT													
VISC													
W.L.C.C.													
FLTR. CK.													
PH													
SD. CONT.													
MUD & CHEMICALS ADDED													
TYPE													
AMT.													
MUD RECORD													
TIME													
WEIGHT													
VISC													
W.L.C.C.													
FLTR. CK.													
PH													
SD. CONT.													
MUD & CHEMICALS ADDED													
TYPE													
AMT.													

DEC 1 1967

OPERATOR SHELL CANADA LIMITED		LOCATION 60°57'43"N 116°53'08"W		WELL NAME SHELL DESEMAAIS T-48		No. 1A		PROVINCE NWT	
CONTRACTOR BIG INDIAN DRILL		RIG No. 17		TOOL JOINT 4 3/4 OD		PUMPS		Casing & Liner Record	
OPERATOR'S REPRESENTATIVE Hobbs		CONTRACTOR'S TOOL PUSHER D. De Ford		NO.		MANUFACTURER		TYPE	
				1.		G.D.		EYO 16	
				2.		G.D.		EYO 10	
				3.					
TIME DISTRIBUTION—HOURS		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRILL		CORE NO.	
MORN DAY EVE		STANDS DP 1153 FT.		RUN NO. 1					
DRILLING ACTUAL 5 1/2		SNGLS. DP 1153 FT.		SIZE 6 1/4		1295		1339	
REAMING 1 1/4		D.C. 2 1/2 ID		MFG. SMITH					
CIRCULATING 1 1/2		4 3/4 OD 148.99 FT.		TYPE DT2					
TRIPS 1 1/2		RMR BODY OD		FT. NO. 3		DEVIATION RECORD		DEPTH	
DEVIATION SURVEY 1 1/2		STB BODY OD		FT. NO. 18		1308		1/2	
TEST B.O.P. 1 1/2		SUBS OD		FT. SER. NO. 36957		1200		DRILL 6 1/4 HOLE	
CUT OFF DRILL LINE 1 1/2		BIT OR C.B. 160 FT.		DEPTH OUT		1200		RIG SERVICE—CHECK SWIVEL & HYDRIL.	
REPAIR RIG 1 1/2		KELLY DOWN 3758 FT.		COND. OF BIT		1200		DRILL 6 1/4 HOLE.	
CCRING 1 1/2		TOTAL 1339 FT.		REAMER CUTTER NO.		6.15		SURVEY & CORN	
WIRE LINE LOGGING 1 1/2		WT. OF STRING 18000 LBS.		TYPE		6.15		DRILL 6 1/4 HOLE.	
OTHER RIG SERVICE 1 1/2		DRILLER				7.15		PREPARE TO RIGIST	
FISHING 1 1/2		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRILL		CORE NO.	
COMPLETING (A) PERFORATING		STANDS DP 12475 FT.		RUN NO. 2					
(B) RUNNING TUBING		SNGLS. DP 12475 FT.		SIZE 6 1/4		1339			
(C) SWABBING		D.C. 2 1/2 ID		MFG. SMITH					
(D) TESTING		4 3/4 OD		TYPE DT2					
(E) ACIDIZING		RMR BODY OD		FT. NO. 3		DEVIATION RECORD		DEPTH	
(F) ADDITIONAL		STB BODY OD		FT. NO. 18		1339			
TOTALS 8 1/2		SUBS OD		FT. SER. NO. 39016		1339			
TIME SUMMARY (OFFICE USE ONLY)		BIT OR C.B. 160 FT.		DEPTH OUT		4.05		RIG SERVICE CHECK B.O.P.S	
CONTRACTOR'S TIME HRS: 24		KELLY DOWN 3775 FT.		COND. OF BIT		4.05		TRIP FOR BIT STEAM & REPAIR WIRING ON	
OPERATOR'S TIME: 0		TOTAL 14346 FT.		REAMER CUTTER NO.		14346		DRILL 6 1/4 HOLE	
HRS. W/D.P.		WT. OF STRING		LBS. TYPE		11.15		DRILL 6 1/4 HOLE	
HRS. WO/D.P.		DRILLER				11.15		DRILL 6 1/4 HOLE	
HRS. STANDBY		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRILL		CORE NO.	
WIRE LINE RECORD		STANDS DP 156234 FT.		RUN NO. 0					
REEL NO		SNGLS. DP 156234 FT.		SIZE 6 1/4		7 1/4		1134 1545	
NO. OF LINES		D.C. 2 1/2 ID		MFG. SMITH					
SIZE		4 3/4 OD 118.99 FT.		TYPE DT2					
FEET SLIPPED		RMR BODY OD		FT. NO. 3		DEVIATION RECORD		DEPTH	
FEET CUT OFF		STB BODY OD		FT. NO. 18		1134		1545	
PRESENT LENGTH		SUBS OD		FT. SER. NO. 39016		1134		1545	
TON MI. or TRIPS SINCE LAST CUT		BIT OR C.B. 160 FT.		DEPTH OUT		4.00		RIG SER V B.O.P.	
CUMULATIVE TON MI. or TRIPS		KELLY DOWN 1545 FT.		COND. OF BIT		4.15		DRILL 6 1/4 HOLE	
NO. OF DAYS FROM SPUD		TOTAL 1545 FT.		REAMER CUTTER NO.		8.30		WORK ON LUBRICATOR ON pump	
CUMULATIVE ROTATING HRS.		WT. OF STRING 25000 LBS.		TYPE		8.30		DRILL 6 1/4 HOLE	
		DRILLER				8.30		DRILL 6 1/4 HOLE	
		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRILL		CORE NO.	
		STANDS DP 156234 FT.		RUN NO. 0					
		SNGLS. DP 156234 FT.		SIZE 6 1/4		7 1/4		1134 1545	
		D.C. 2 1/2 ID		MFG. SMITH					
		4 3/4 OD 118.99 FT.		TYPE DT2					
		RMR BODY OD		FT. NO. 3		DEVIATION RECORD		DEPTH	
		STB BODY OD		FT. NO. 18		1134		1545	
		SUBS OD		FT. SER. NO. 39016		1134		1545	
		BIT OR C.B. 160 FT.		DEPTH OUT		4.00		RIG SER V B.O.P.	
		KELLY DOWN 1545 FT.		COND. OF BIT		4.15		DRILL 6 1/4 HOLE	
		TOTAL 1545 FT.		REAMER CUTTER NO.		8.30		WORK ON LUBRICATOR ON pump	
		WT. OF STRING 25000 LBS.		TYPE		8.30		DRILL 6 1/4 HOLE	
		DRILLER				8.30		DRILL 6 1/4 HOLE	

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DAILY DRILLING REPORT

REPORT NO. 4

DATE

Nov 29/67

OPERATOR		LOCATION		SEC.		TWP.		RGE.		W.		WELL NAME		No.		PROVINCE	
SHELL CANADA LIMITED		60° 53' 43" N		116° 53' 08" W								Shell Desmarais		J-48		NWT	
CONTRACTOR		RIG No.		DRILL PIPE STRING NO. SIZE		TOOL JOINT		OD		PUMPS		CASING & LINER RECORD		DEPTH SET		PERFORMANCES	
Bog Indian		17				TYPE THD.				NO. MANUFACTURER TYPE STROKE LENGTH		SIZE WT. & GR.		FROM TO		FROM TO	
OPERATOR'S REPRESENTATIVE		CONTRACTOR'S TOOL PUSHER								1. Gardner Denver 6x2 16							
										2.							
										3.							
TIME DISPOSITION - HOURS		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.	
MORN DAY EVE		STANDS DP FT. RUN NO.															
DRILLING ACTUAL		SNGLS. DP FT. SIZE															
REAMING		D.C. ID FT. MFG.															
CIRCULATING		RMR BODY OD FT. NO. NO.															
TRIPS		STB BODY OD FT. NO. SIZE															
DEVIATION SURVEY		SUBS OD FT. SER. NO.															
TEST B.O.P.		BIT OR C.B. FT. DEPTH OUT															
CUT OFF DRILL LINE		CUMULATIVE HOURS RUN															
REPAIR RIG		KELLY DOWN FT. COND. OF BIT															
CORING		TOTAL FT. REAMER CUTTER NO.															
WIRE LINE LOGGING		WT. OF STRING LBS. TYPE															
OTHER		DRILLER															
FISHING																	
COMPLETING (A) PERFORATING		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.	
(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. NO.															
(F) ADDITIONAL		STB BODY OD FT. NO. SIZE															
TOTALS		SUBS OD FT. SER. NO.															
TIME SUMMARY (OFFICE USE ONLY)		BIT OR C.B. FT. DEPTH OUT															
CONTRACTOR'S TIME HRS: 24		CUMULATIVE HOURS RUN															
OPERATOR'S TIME: 0		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																	
REEL NO		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.	
NO. OF LINES SIZE		STANDS DP FT. RUN NO.															
FEET SLIPPED		SNGLS. DP FT. SIZE															
FEET CUT OFF		D.C. ID FT. MFG.															
PRESENT LENGTH		RMR BODY OD FT. NO. NO.															
TON MI. OF TRIPS SINCE LAST CUT		STB BODY OD FT. NO. SIZE															
CUMULATIVE TON MI. OF TRIPS		SUBS OD FT. SER. NO.															
NO. OF DAYS FROM SPEJ		BIT OR C.B. FT. DEPTH OUT															
CUMULATIVE ROTATING HRS.		CUMULATIVE HOURS RUN															
		KELLY DOWN FT. COND. OF BIT															
		TOTAL FT. REAMER CUTTER NO.															
		WT. OF STRING LBS. TYPE															
		DRILLER															

1200 NIPPLE UP TO SHELL SPECIFICATIONS. 8

800 RIG SERVICE. CUT FLOWLINE. MAKE UP FILLUP LINE CHANGE RAMS IN B.O.P.S. JACK UP RIG - THAW KELLY 5 PRESSURE - BLIND RAMS - CHANGE VALUES 3

400 PRESS TESTING B.O.P. OK PRESS TEST pipe Rams (1500) PSI TEST man flood (to replace immediately) TEST HYDRIL

1200 Pressing test Mayfield pipe Rams cut Blank Rams to 1200 psi in 15 min OK Wilbe

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