

SHELL BEAVER LAKE

M-29

WELL NAME SHELL BEAVER LAKE M-29

FIELD

LOCATION: Unit M

Area:

Section 29

Grid 61 10 117 00

Latitude 61 08 46.93

Longitude 117 05 19.65

From Established Reference Marker

UAI 61.14637 117.08878

UAI 300M296110117000

Rig Release Date:

Status

Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
8-2-68	Application for a Drilling Authority.
Feb 28 / 68	Well Completion Data.
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
1-3-68	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



Drilling Authority No. 300
Date Issued Feb. 6/68

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

WELL COMPLETION DATA

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

Well name and number Shell Beaver Lake M-29

Permit No. 3194

Shell Canada Limited

(Permitter, Licensee, Lessee)

Shell Canada Limited

(Operator)

Lease No.

Exploratory Licence No. 1877

Exploratory Licence No. 1877

Location: Unit M

Section 29

Grid 61° 10', 117° 00'

Latitude 61° 08' 46.93" N

Longitude 117° 05' 19.65" W

From Established Reference Marker DLS by J.K. Smith dated 15th January 1968.

Universal Well Location Reference Lat. 61.14637° N, Long. 117.08878° W

	DATE	DEPTH
Spudded	Feb. 13/68	
Suspended		
Resumed Operations		
Finished Drilling	Feb. 23/68	1674
Deepened		
Complete (Gas/oil)	Feb. 25/68	1674
Abandoned		
Rig released	Feb. 25/68	

Pool(s) None

Interval(s) open to production None

Elevation: Gr. 503 K.B. 512

Rig No. 17

Drilling Contractor Big Indian Drilling Co. Ltd.

Contractor's Business Licence No. 18213

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Set at -	Sacks of Cement and Additives
7"	H-40	174	200.47	210.37	80 sacks + 2% CaCl ₂
1.					
2.					
3.					
4.					
5.					
6.					

GEOLOGICAL TOPS	ELEVATION		CORE RECORD					
	Depth	Sub-Sea	From	To	Rec.	From	To	Rec.
Slave Point	750	- 238	None					
Watt Mtn. (?)	1047	- 535						
Fresqu'ile	1070	- 558						
Hume	1320	- 808						
Bear Rock	1523	-1011						
Precambrian	1648	-1136						

LOG RECORD

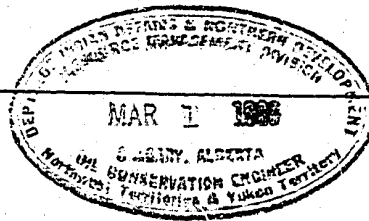
Run No.	Type of Log	From	To
1	Microlog Caliper	1674	700
1	Induction Electric	1674	210
1	Borehole Compensated Sonic (Gamma Ray Caliper)	1673	210

CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Bullet, Jet)				SERVICING RECORD (Acidizing, Fracing, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
Feb. 25/68	1674	700	Cemented with 150 sacks + 80 gal. Plug down 12:45 AM Feb. 25/68.				None				None
Feb. 25/68	260	160	Cemented with 25 sacks + 20 CaCl ₂ . Plug down 2:00 AM Feb. 25/68. Felt Plug at 165', 10:00 AM Feb. 25/68.								

DRILL STEM TESTS

Feb. 25/68 5 sacks cement placed in surface casing. Cut off casing, welded on plate, erected again.

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



ANALYSIS				PRESENT STATUS OF WELL			
Lab. No.	Sample	From	To	Source	Remarks	Oil	(Interval)
						Gas	(Interval)
						Dry	February 25, 1968
						Susp.	

Company **Shell Canada Limited**
 ORIGINAL SIGNED BY **A.M. Macleod for**
Manager
 Title **Edmonton Division Production**
 Date **February 28, 1968**

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



File No. 300
Drilling Authority No.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
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 Beaver Lake M-29**

Location: Unit **M** Section **29** Grid **61°18' 117°00'**
Latitude **61° 08' 46.93" N** Longitude **117° 05' 19.65" W**

From Established Reference Marker **Lat. 61.14617°N, Long. 117.08878°W**
Universal Well Location Reference

Permit No. **1194** Lease No. **Shell Canada Limited**
(Permitter, Licensee, Lessee)

Date of commencement of proposed program **February 25, 1968**

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at **-**
Gas at **750 as indicated by logs**
Water at **1674**
Total Depth **1674** Date of last operations **February 25, 1968**
Present condition of well **D & A**

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Scale of Cement and Additives	Amount Pulled
7"	170	200.47	210.37	80 sacks + 2% CaCl_2	Nil
1.					
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Flag		Geological Formation	Number of Sacks of Cement	Remarks
No.	Position			
1	1674 - 700	Precambrian-Slave Point	150	+ 30 gal
2	260 - 160	Bay Shale & Sfc. Csg.	25	+ 20 CaCl_2 WOC 8 hrs and feel
3	Sfc. Csg.		3	Cut off casing 3' below ground level. Weld on plate, erect sign.

MLC, TSS, 2HC SCR-C

The following logs have been **done**

Other operations proposed

Operations to **Shell Canada Ltd.** **18213**

Address **Edmonton, Alberta** Contractor **Edmonton, Alberta**

Responsible Agent **N. A. Albertsen** Address

Dated at **Edmonton** BY **28** **February 68**

Signed **M. MacLEOD** for **Shell Canada Limited** 19

Title **Production** **Edmonton Division** Company **1877**

Operator's Exploratory Licence No.

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. Thoms.

Dated **1st March**, 19 **68**

B.H.J. Thoms
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. 300

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 Beaver Lake N-29**
 Location: Unit **N** Section **29** Grid **61°10', 117°00'**
 Latitude **61° 08' 40.22" N.** Longitude **117° 05' 19.67" W.**
 From Established Reference Marker
 Universal Well Location Reference **Lat. 61.14637° N., Long. 117.08878° W.**
 Elevation: Ground **K.B.** feet above sea-level.
 Well is expected to produce from formation at a depth
 of about **700** feet. Expected total final depth **1850**
 Area assigned to well

(for Oil Conservation Engineer's use only)

Permit No. **3194** Lease No. **30,960**
 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** (If alienated submit name and address of owner and occupant.)

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

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Sacks of Cement
1. 7"	20#	J-55	New	300'	105 sacks
2. 6 1/2 7"	23#	N-80	New	300'	105 sacks
3.					
4.					
5.					

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

Slave Point

6" Series 900 Type B Hydraulic Double Shaeffer

6" Series 900 GK Hydril

Well will be drilled with Rotary Rig No. **17** by **Big Indian Drilling Co. Ltd.**
 (Drilling Contractor or company)

Responsible agent of applicant:—

Contractor's Business Licence No. **18213**

At well **G. Kenney**

At registered office **A. M. McLachlin**

Address **Box 186, Edmonton**

Address **Box 186, Edmonton**

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

Dated at **Edmonton** BY **E. A. Hopkin**, 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 **6th February** 19 **68**

Oil Conservation Engineer

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

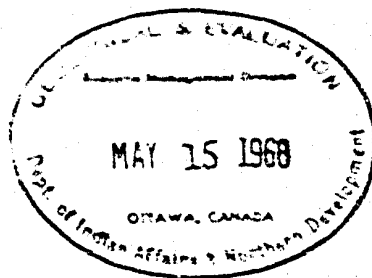
IAN 52-90-1 (3-67)

UNIQUE WELL IDENTIFIER - 300M296110117000

SHELL BEAVER LAKE M-20

61° 08' 46.93" N. 117° 05' 19.65" W.

WELL DESCRIPTION



WELL HISTORY REPORT
SHELL BEAVER LAKE N-29
SHELL CANADA LIMITED
April 10, 1968.

Snell BEAVER LAKE M-29

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SECTION I SUMMARY OF WELL DATA

(a) Well Name and Number

Shell Beaver Lake M-29

(b) Permittee

Shell Canada Limited

(c) Name of Operator

Shell Canada Limited, P.O. Box 126, Edmonton, Alberta.

(d) Location

Unit M, Section 29, Grid 61°10', 117°00'
 Latitude: 61°08' 46'93"N
 Longitude: 117°05' 19.65"W

(e) Permit Number

3194

(f) Drilling Contractor

Big Indian Drilling Co. Ltd.
 Rig No. 17 - Rotary

(g) Drilling Authority

Drilling Authority No. 300
 Issued Feb. 6, 1968.

(h) Classification

Wildcat

(i) Elevations

Ground Elevation: 503.0
 K.B. Elevation: 511.9

(j) Spudded

Feb. 13, 1968.

(k) Completed Drilling

Feb. 23, 1968

(l) Total Depth and Plugged Back Total Depth

T.D. 1674 (Driller)
 P.B.T.D. - Surface

(m) Well Status

Dry and Abandoned

(n) Rig Released

Feb. 25, 1968

(o) Hole Size

9 7/8" to 219' K.B.

6 1/4" to 1674' K.B.

(p) Casing

7" 17# H40 casing set at 210.37 K.B., with 80 sacks cement + 2% CaCl_2

(q) Universal Well Location Reference

Lat. 61.14637° N.

Long. 107.08878° W.

(r) Unique Well Identifier

300M296110117000

SECTION II GEOLOGICAL SUMMARY(a) Formation Tops

<u>Formation</u>	<u>Depth</u>
Slave Point	750 (-238)
Watt Mtn.	1047 (-535)
Presqu'ile	1070 (-550)
Hume	1320 (-808)
Bear Rock	1523 (-1011)
Precambrian	1643 (-1136)

(b) Cored Intervals

No core cut.

(c) Sample Description

See 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"	17#	H-40	5 JTS	210.37KB	80 sacks Portland + 2% CaCl ₂

(c) Bit Record

<u>No.</u>	<u>Size</u>	<u>Type</u>	<u>Depth Out</u>	<u>Feet Cut</u>	<u>Hours Run</u>
1A	9 7/8	YTBR	219	219	11 3/4
1	6 1/4	DT2G	558	649	16 1/4
2	6 1/4	DT2G	1011	143	13
3	6 1/4	DT26J	1168	157	17 1/2
4	6 1/4	V2	1322	154	25 1/4
5	6 1/4	DT	1521	199	23
6	6 1/4	DG	1570	49	7 3/4
7	6 1/4	V2	1674	104	15 1/2

(d) Mud Report

<u>Gel</u>	<u>Caustic Soda</u>	<u>Bicarb</u>	<u>CMC</u>	<u>Peltex</u>
71 sacks	11 sacks	1 sack	2 sacks	2 1/2 sacks

(e) Deviation Record

<u>Depth(ft)</u>	<u>Deviation (Totco°)</u>
90	1/2
219	3/4
456	1/2
962	1/2
1320	3/4

(f) Abandonment Plugs

<u>Date</u>	<u>Interval</u>	<u>Cement & Additives</u>	<u>Remarks</u>
2/25/68	TD-700'	150sxs Portland + 8% Gel	
2/25/68	260-160	25 sxs Portland + 2% CaCl ₂	Felt at 165'
2/25/68	Surface csg.	5 sxs Portland	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>
2/24/68	1674-210	Induction Electric
2/24/68	1674-210	Borehole Compensated
		Sonic-Gamma Ray
2/24/68	1674-700	Microlog-Caliper

Three copies of each log forwarded March 21, 1968.

SECTION V ANALYSIS

(a) Core Analysis

None

(b) Water Analysis

None

(c) Gas Analysis

None

(d) Oil Analysis

None

SECTION VI COMPLETION SUMMARY(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	2/25/68	TD-700	P.C.-Bear Rock-Slave Point	150sxs + 8% Gel	
2	2/25/68	260-160	May Shale	25sxs + 2% CaCl ₂	Felt at 165'
3	2/25/68	Surface Casing		5sxs	Cut of casing Weld on plate Erect sign

(d) Acidization and Fracturing Record

None

(e) Back Pressure and Production Tests

None

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

SHELL BEAVER LAKE N-29

T.D. 1674

K.B. 512

LATITUDE: 61° 08' 46.93" N.

LONGITUDE: 117° 05' 19.65" W.

0' -10'	Shale - Limestone	Shale, black, and light grey limestone.
10' -20'	Shale - Limestone	Shale, black, and light grey limestone.
20' -30'	Shale - Limestone	Shale, black, and light grey limestone.
30' -40'	Shale - Limestone	Shale, black, and light grey limestone.
40' -50'	Shale - Limestone	Shale, black, and light grey limestone.
50' -60'	Shale - Limestone	Shale, black, and light grey limestone.
60' -70'	Shale - Limestone	Shale, black, and light grey limestone.
70' -80'	Shale - Limestone	Shale, black, and light grey limestone.
80' -90'	Shale - Limestone	Shale, black, and light grey limestone.
90' -100'	Shale - Limestone	Shale, black, and light grey limestone.
100' -110'	Shale - Limestone	Shale, black, and light grey limestone.
110' -120'	Shale - Limestone	Shale, black, and light grey limestone.
120' -130'	Shale - Limestone	Shale, black, and light grey limestone.

130' -140'	Shale - Limestone	Shale, black, and light grey limestone.
140' -150'	Shale - Limestone	Shale, black, and light grey limestone.
150' -160'	Shale - Limestone	Shale, black, and light grey limestone.
160' -170'	Shale - Limestone	Shale, black, and light grey limestone.
170' -180'	Shale - Limestone	Shale, black, and light grey limestone.
180' -190'	Shale - Limestone	Shale, black, and light grey limestone.
190' -200'	Shale - Limestone	Shale, black, and light grey limestone.
200' -210'	Shale - Limestone	Shale, black, and light grey limestone.
210' -220'	Shale	Shale, light grey to black.
220' -230'	Shale	Shale, light grey to black.
230' -240'	Shale	Shale, light grey to black.
240' -250'	Shale	Shale, light grey to black.
250' -260'	Shale	Shale, light grey to black.
260' -270'	Shale	Shale, light grey to black.
270' -280'	Shale	Shale, light grey to black.
280' -290'	Shale	Shale, light grey to black.
290' -300'	Shale	Shale, light grey to black.
300' -310'	Shale	Shale, light grey to black.
310' -320'	Shale	Shale, light grey to black.
320' -330'	Shale	Shale, light grey to black.
330' -340'	Shale	Shale, light grey to black.

340' -350'	Shale	Shale, light grey to black.
350' -360'	Shale	Shale, light grey to black.
360' -370'	Shale	Shale, light grey to black.
370' -380'	Shale	Shale, light grey to black.
380' -390'	Shale	Shale, light grey to black.
390' -400'	Shale	Shale, light grey to black.
400' -410'	Shale	Shale, light grey to black.
410' -420'	Shale	Shale, light grey to black.
420' -430'	Shale	Shale, light grey to black.
430' -440'	Shale	Shale, light grey to black.
440' -450'	Shale	Shale, light grey to black.
450' -460'	Shale	Shale, light grey to black.
460' -470'	Shale	Shale, light grey to black.
470' -480'	Shale	Shale, light grey to black.
480' -490'	Shale	Shale, light grey to black.
490' -500'	Shale	Shale, light grey to black.
500' -510'	Shale	Shale, light grey to black.
510' -520'	Shale	Shale, light grey to black.
520' -530'	Shale	Shale, light grey to black.
530' -540'	Shale	Shale, light grey to black.
540' -550'	Shale	Shale, light grey to black.
550' -560'	Shale	Shale, light grey to black.
560' -570'	Shale	Shale, light grey to black.
570' -580'	Shale	Shale, light grey to black.
580' -590'	Shale	Shale, light grey to black.

590' -600'	Shale	Shale, light grey to black.
600' -610'	Shale	Shale, light grey to black.
610' -620'	Shale	Shale, light grey to black.
620' -630'	Shale	Shale, light grey to black.
630' -640'	Shale	Shale, light grey to black.
640' -650'	Shale	Shale, light grey to black.
650' -660'	Shale	Shale, light grey to black.
660' -670'	Shale	Shale, light grey to black.
670' -680'	Shale	Shale, light grey to black.
680' -690'	Shale	Shale, light grey to black.
690' -700'	Shale	Shale, light grey to black.
700' -710'	Shale	Shale, medium dark grey-green, traces of calcareous material.
710' -720'	Shale	Shale, medium dark grey-green, traces of calcareous material.
720' -725'	Shale	Shale, medium dark grey-green, traces of calcareous material.
725' -730'	Limestone	Limestone, light grey.
730' -740'	Limestone	Limestone, light grey, fossil- iferous.
740' -750'	Limestone	Limestone, light grey, fossil- iferous.
750' -760'	Limestone	Limestone, light grey, fossil- iferous.
760' -770'	Limestone	Limestone, light grey, fossil- iferous.
770' -780'	Limestone	Limestone, light grey, fossil- iferous, trace of spar.
780' -790'	Limestone	Limestone, buff, fossiliferous, trace of sparry matrix.

790' -800'	Limestone	Limestone, buff, fossiliferous, some sparry matrix.
800' -810'	Limestone	Limestone, buff, fossiliferous, trace of sparry matrix, traces of dolomitization.
810' -820'	Limestone	Limestone, buff, fossiliferous, trace of sparry matrix, traces of dolomitization.
820' -830'	Limestone	Limestone, buff, fossiliferous, trace of sparry matrix, traces of dolomitization.
830' -840'	Limestone	Limestone, buff, fossiliferous, trace of sparry matrix, traces of dolomitization.
840' -850'	Limestone	Limestone, buff, fossiliferous, trace of dolomite.
850' -860'		SAMPLES MISSING.
860' -870'	Limestone	Limestone, buff, fossiliferous, trace of dolomite.
870' -880'	Limestone	Limestone, buff, dolomite traces, fossiliferous.
880' -890'	Limestone	Limestone, buff, fossiliferous, trace of dolomite.
890' -900'	Limestone	Limestone, light tan, fossiliferous, trace of spar.
900' -910'	Limestone	Limestone, light tan, fossiliferous, trace of spar.
910' -920'	Limestone	Limestone, light tan, fossiliferous, trace of spar.
920' -930'	Limestone	Limestone, light tan, fossiliferous, trace of spar.
930' -940'	Limestone	Limestone, light tan, fossiliferous.
940' -950'	Limestone	Limestone, light tan, fossiliferous.

950' -960'	Limestone	Limestone, light tan, fossiliferous, trace of spar.
960' -970'	Limestone	Limestone, light tan, fossiliferous, trace of spar.
970' -980'	Limestone	Limestone, light tan, fossiliferous, trace of spar.
980' -990'	Limestone	Limestone, light tan, fossiliferous, trace of spar.
990' -1000'	Limestone	Limestone, light tan, fossiliferous, trace of spar.
1000' -1010'	Limestone	Limestone, light tan, fossiliferous, trace of spar.
1010' -1020'	Limestone	Limestone, medium-light brown, fossiliferous, trace of spar.
1020' -1030'	Limestone	Limestone, medium-light brown, fossiliferous, trace of spar.
1030' -1040'	Limestone	Limestone, medium-light brown, fossiliferous, trace of spar.
1040' -1045'	Limestone	Limestone, medium-light brown, fossiliferous, trace of spar.
1045' -1050'	Shale	Shale, green.
1050' -1055'	Limestone	Limestone, medium-light brown, fossiliferous.
1055' -1060'	Shale	Shale, green.
1060' -1065'	Shale	Shale, green.
1065' -1070'	Limestone	Limestone, medium brown-grey, fossiliferous, traces of pyrite, shale.
1070' -1075'	Shale	Shale, green.
1075' -1080'	Limestone	Limestone, medium-light brown, fossiliferous.
1080' -1090'	Limestone	Limestone, light grey, fossiliferous.

1090' -1100'	Limestone	Limestone, light grey, fossiliferous.
1100' -1110'		VERY POOR SAMPLES. All material indicated to be cavings.
1110' -1120'	Limestone	Limestone, light grey-white, fossiliferous, trace of spar.
1120' -1130'	Limestone	Limestone, light grey-white, fossiliferous, trace of shale.
1130' -1140'	Limestone	Limestone, light grey-white, fossiliferous, trace of shale.
1140' -1150'	Limestone	Limestone, light grey-white, fossiliferous, trace of shale.
1150' -1160'	Limestone	Limestone, light grey-white, fossiliferous, trace of shale.
1160' -1170'	Limestone	Limestone, light grey-white, fossiliferous, trace of shale.
1170' -1180'	Limestone	Limestone, light grey-white, fossiliferous, trace of shale.
1180' -1190'	Shale	Shale, black.
1190' -1200'	Limestone	Limestone, medium brown, fossiliferous, traces of spar and shale.
1200' -1210'	Limestone	Limestone, medium brown, fossiliferous.
1210' -1220'	Limestone	Limestone, medium-light brown, fossiliferous, some sparry matrix.
1220' -1230'	Limestone	Limestone, medium-light brown, traces of shale, spar, fossiliferous.
1230' -1235'	Limestone	Limestone, medium-light brown, fossiliferous, traces of shale, spar,
1235' -1240'	Shale	Shale, dark grey.

1240' -1250'	Limestone	Limestone, dark grey, fossiliferous, traces of grey shale.
1250' -1255'	Limestone	Limestone, dark grey, fossiliferous, traces of grey shale.
1255' -1260'	Limestone	Limestone, fossiliferous, medium brown-grey, traces of spar.
1260' -1270'	Limestone	Limestone, fossiliferous, medium brown-grey, traces of shale.
1270' -1280'	Limestone	Limestone, fossiliferous, medium brown-grey, traces of shale.
1280' -1290'	Limestone	Limestone, light grey, fossiliferous, traces of sparry cement.
1290' -1295'	Limestone	Limestone, dark grey, fossiliferous, traces of grey shale.
1295' -1300'	Limestone	Limestone, medium-light grey, fossiliferous.
1300' -1305'	Limestone	Limestone, dark grey, fossiliferous, traces of grey shale.
1305' -1310'	Limestone	Limestone, medium-light grey, fossiliferous.
1310' -1320'	Limestone	Limestone, medium dark brown-grey, fossiliferous, traces of grey shale.
1320' -1325'	Limestone	Limestone, dark grey-brown, fossiliferous, trace of grey shale.
1325' -1330'	Shale	Shale, black, some fossiliferous limestone.
1330' -1340'	Limestone	Limestone, dark brown, fossiliferous, some grey shale.
1340' -1350'	Limestone	Limestone, medium dark grey, fossiliferous, some grey shale.

1350' -1360'	Limestone	Limestone, medium dark grey, fossiliferous, some grey shale.
1360' -1370'	Limestone	Limestone, medium dark grey, fossiliferous, some grey shale.
1370' -1380'	Limestone	Limestone, medium dark brown grey, fossiliferous, some grey shale.
1380' -1390'	Limestone	Limestone, medium dark brown grey, fossiliferous, some grey shale.
1390' -1400'	Limestone	Limestone, medium dark brown grey, fossiliferous, some grey shale.
1400' -1410'	Limestone	Limestone, medium dark brown grey, fossiliferous, some grey shale.
1410' -1420'	Limestone	Limestone, medium dark brown grey, fossiliferous, traces of grey shale, pyrite.
1420' -1430'	Limestone	Limestone, medium dark brown grey, fossiliferous, traces of grey shale, pyrite.
1430' -1440'	Limestone	Limestone, medium brown-grey, fossiliferous, traces of grey shale, pyrite.
1440' -1450'	Limestone	Limestone, medium brown-grey, fossiliferous, traces of grey shale, pyrite.
1450' -1460'	Limestone	Limestone, medium brown-grey, fossiliferous, traces of grey shale, pyrite.
1460' -1470'	Limestone	Limestone, medium brown-grey, fossiliferous, traces of grey shale, pyrite.
1470' -1480'	Limestone	Limestone, medium dark brown, fossiliferous, traces of grey shale.

1480' -1490'	Limestone	Limestone, medium brown-grey, fossiliferous, traces of grey shale.
1490' -1500'	Limestone	Limestone, medium brown-grey, fossiliferous, traces of grey shale.
1500' -1505'	Limestone	Limestone, medium brown-grey, fossiliferous.
1505' -1510'	Dolomite	Dolomite, medium grey-brown.
1510' -1515'	Limestone	Limestone, medium brown-grey, fossiliferous.
1515' -1520'	Dolomite	Dolomite, medium grey-brown, fossiliferous.
1520' -1530'	Dolomite	Dolomite, medium light grey, fossiliferous.
1530' -1540'	Dolomite	Dolomite, medium light brown.
1540' -1550'	Anhydrite	Anhydrite, white, with traces of medium grey dolomite.
1550' -1555'	Dolomite	Dolomite, medium brown-grey, with traces of white anhydrite.
1555' -1560'	Anhydrite	Anhydrite, white, with traces of grey dolomite.
1560' -1565'	Dolomite	Dolomite, medium brown-grey, with traces of white anhydrite.
1565' -1570'	Anhydrite	Anhydrite, white, with traces of grey dolomite.
1570' -1575'	Dolomite	Dolomite, medium brown-grey, with traces of white anhydrite.
1575' -1580'	Anhydrite	Anhydrite, white, with traces of grey dolomite.
1580' -1585'	Dolomite	Dolomite, medium brown-grey, with traces of white anhydrite.

1585' -1590'	Anhydrite	Anhydrite, white, with traces of grey dolomite.
1590' -1595'	Dolomite	Dolomite, medium brown-grey, with traces of white anhydrite.
1595' -1600'	Anhydrite	Anhydrite, white, with traces of grey dolomite.
1600' -1605'	Dolomite	Dolomite, medium brown-grey, with traces of white anhydrite.
1605' -1610'	Anhydrite	Anhydrite, white, with traces of grey dolomite.
1610' -1615'	Dolomite	Dolomite, medium brown-grey, traces of white anhydrite, and grey shale.
1615' -1620'	Anhydrite	Anhydrite, white, with traces of grey dolomite.
1620' -1625'	Dolomite	Dolomite, medium brown-grey, traces of white anhydrite, and grey shale.
1625' -1630'	Anhydrite	Anhydrite, white, with traces of grey dolomite.
1630' -1635'	Dolomite	Dolomite, medium brown-grey, traces of white anhydrite, and grey shale.
1635' -1640'	Anhydrite	Anhydrite, white, with traces of grey dolomite.
1640' -1645'	Shale	Shale, green.
1645' -1650'	Anhydrite	Anhydrite, white, with traces of grey dolomite.
1650' -1655'	Shale	Shale, red.
1655' -1660'	Shale	Shale, green.
1660' -1665'	Shale	Shale, red.
1665' -1670'	Granite	Granite, fresh, pink.
1670' -1674'	Granite	Granite, fresh, pink.