

IMPERIAL
CANYON CREEK

NO. 2.

Drilling Authority No.

Date Issued

WELL NAME Imperial Canyon Creek No. 2

FIELD Wildcat

Area: Northern Wells

LOCATION: Unit

Section

Grid

Latitude 35°09'36" N.

Longitude 126°17'35" W.

From Established Reference Marker

Rig Release Date: 8-9-45

Status D.C.A.

Information Release Date 8-9-47

CHANGE OF NAME:

DATE RECEIVED	INDEX
	Application for a Drilling Authority. Well Completion Data. Well History Report. Application to Amend a Drilling Authority. Application to change a Well Name. 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. Approval to Commingle Production before Measurement. Application to Amend Approval No. to Commingle Production before Measurement. Application for M.P.R.—Oil. New Oil Well Report. New Gas Well Report. Well Inspection Report. Rig Inspection Report. Battery Inspection Report. Field Abandonment Programme and Approval. Well Card. Well Visit. Daily Drilling Reports.



Date Issued _____

WELL COMPLETION DATA

Well name and number..... **IMPERIAL CANYON CHECK #2**

Permit No. **P & NG #2** Lease No.

..... **Imperial Oil Limited** Exploratory Licence No. **Not available**
(Permitter, Licensee, Lessee)

..... **Imperial Oil Limited** Exploratory Licence No. **Not available**
(Operator)

Location: Unit **J** Section **19** Grid **~~260000E~~ 260000E**

Latitude **65°09'35.87" N.** Longitude **~~126°17'34.68" W.~~ 126°17'34.68" W.**

From Established Reference Marker **401' N. 13, 502' E of PM 36 E**

	DATE	DEPTH
Spudded	AUG. 29/45	
Suspended		
Resumed		
Finished Drilling		
Deepened		
Complete (gas/oil)		
Abandoned	Sept. 8/45	803
Rig released	Sept. 8/45	803

Pool (S)

Interval(s) open to production

Elevation: Gr.

K.B. 329

Drilling Contractor & Rig No. I.O.L.

Contractor's Licence No.

Casing Size (Inches)	Weight	Amount	Set at—	Sacks of Cement	Method
1. 10 $\frac{3}{4}$			198	60	
2.					
3.					
4.					
5.					
6.					

NANR 52-90(2) (1-61)

CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Bullet, Jet)				SERVICING RECORD (Acidizing, Freezing, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
	647 179	687 219	0 20 0 20								No Acid

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.B.H.P.	F.S.I.B.H.P.	I.P.B.H.P.	P.F.B.H.P.	I.H.P.	P.H.P.	REMARKS
1			664	724										Recovered 200' drilling fluid.

Lab. No.	Sample	From	To	S. rce	Remarks	PRESENT STATUS OF WELL			
						Oil		(Interval)	
						Gas		(Interval)	
						Dry	Abandoned		
						Susp			

Company Imperial Oil Limited
 Signed by COPY () R. L. FINEA
 Total Well File Clerk
 Date November 16/61
 Forms to be prepared in duplicate and forwarded to the Oil
 Conservation Engineer, Calgary, Alberta.

NOTE: All depths to be reported from top of rotary table if rotary used; derrick floor is standard tools used.

36634

DEPARTMENT OF MINES & RESOURCES

NORTHWEST TERRITORIES BRANCH

WELL COMPLETION REPORT

As required by Section 31, sub-clause 3 of Petroleum & Natural Gas Regulations.

Field or Region: Norman Wells, N.W.T. Designation of well: Canyon No. 2
Lease or Permit No: P and N G No. 2 Registered owner: Imperial Oil Limited
Location (Survey description) N. 400.7' E 13502.0 of Elevation: 458.6' (RT)
Date operations commenced: August 29, 1945 Date completed: September 8th, 1945.
Type of Rig: Emsco Skid Rotary Completed depth: 803'
Deviations from Vertical: 30°-0°, 187°-10°

CASING AND TUBING RECORD

Size	Weight	Thread	Depth	Cemented with
10 1/2"	48.5#/ft.	...SR...	...198'	60 sacks Ang. 30/45

No other strings of casing run
Distance between Rotary table (or derrick floor) and well head: 10' 0"

Gum Perforations: none

Nitro-glycerine: none

Initial Acid treatments: none

Initial Production Data: none

Water encountered and how shut off: none

Remarks: Well abandoned as a shallow test on September 8, 1945, as per abandonment notice.

STRATIGRAPHIC LOGS

Electric Logs taken: (1) 199' to 803'

Cores taken: (1) 531' to 551' (2) 664' to 765' (3) 795' to 803'

SUMMARY LOG

Depth	Nature of Rock
0' to 10'	Recent
10' to 760'	Imperial Series
667' to 760'	Canyon Sandstone
760' to 803'	Fort Creek Shales

cc: Dept. of Mines and Resources (2) ✓

Toronto

Edmonton

M. P. F. Shannon

Petr. Engr. 91.0 V.R. 1.

36634

CANYON NO. 2

Coordinates:- N. - 400.7'
E. - 13,502'
(of P.M. 36 W.)

Elevation: - 463'
(Rotary Table)

0' - 760'

Imperial Series. There is no Bosworth member present.

The Canyon sandstone member extended from 667' - 760', having very few minor oil stained streaks from 667' - 724' and a noticeable gaseous odor to 739'. Gray to light brown, silty, fine grained, massive, dense sandstone. Shale breaks not uncommon. No active gas or oil shows present. Cored from 531' - 551' and continuously from 664' to 765'. No formation fluid recovered in formation test.

760' - 803'

Fort Creek shales. Dark grey shales. Cored from 795' - 803'.

All contacts confirmed by electrolog.

Total Depth - 803'.

This well was drilled by means of a rotary rig and an electrolog was taken from 199' - 803'.

R. D. Sizsar

POOR COPY

36634

NOTICE OF INTENTION TO ABANDON A WELL

Notice is hereby given, in accordance with the Director, Lands, Parks and Forests Branch, Department of Mines and Resources, Ottawa.

Notice is hereby given, as required by Section 80 of the P. & M. G. Act, that it is the intention to abandon the well

on day of September 8 1945 in Division Well Canyon No. 2
 458.6
 Location 453 (see) located on P. & M. G. Permit No. 2
 400.7' North and 13502.0' East of P.M. 36 N.

Registered in the name of Imperial Oil Limited

The reasons for abandonment are:

No productive horizons encountered

Oil, gas and water were encountered as follows and will be dealt with as indicated below:

Oil:

Gas:

Water:

Water rose to (how near the surface)

The depth drilled to was 803 feet and the following casings were inserted:

Diameter	Depth	Weight	Pressure set or cemented	The intention is to withdraw	feet
10 $\frac{3}{4}$ "	198	40.5#/ft.	Cemented-60 sacks	-	None

No other strings of casing run

Remarks:

The abandonment operation will be carried out by spotting to cement plugs as follows:

- (1) 647' to 687' - 20 sacks
- (2) 179' to 219' - 20 sacks.

The 10 $\frac{3}{4}$ " casing will be capped and the well location identified with a metal marking plate bearing the inscription "Canyon No. 2."

cc:
 Dept. Mines & Res. (2)
 Mr. F. F. Shannon
 Toronto
 Edmonton
 Geol. Dept.
 Pet. Eng. 91.0

J. E. Stewart
 Dr. J. E. Stewart
 Supervisory Engineer

Bureau of Lands Parks and Title
 Forests Branch
 Department of Mines and Resources

At the Wells
 Signature: J. W. Taylor
 Field Superintendent
 IMPERIAL OIL LIMITED
 Exploration

Edmonton, Alberta

WELL NO. 2 is situated in the Mackenzie River valley, about 25 miles downstream from Norman, Alberta, Canada. It is situated about 2 miles inland from the right bank of the Mackenzie River.

27th

WELL NO. 2 is situated in the Mackenzie River valley, about 25 miles downstream from Norman, Alberta, Canada. It is situated about 2 miles inland from the right bank of the Mackenzie River.

27th August 1955

Standing in the name of Imperial Oil Ltd.

and located two miles inland from the right bank of the Mackenzie River 25 miles downstream from Norman

(See sketch of well location on map)

Being 400.7° North and 13,502.0° East of P.M. 36 N.

The well shall be known as Canyon No. 2

It is intended to use the following equipment:

Type of drilling rig: Esso Skid Rotary

Size	Weight	Size of	Brand	Depth	For Set
10 1/2"	40.5#/ft	8 Rd.	Spang	Now	Cemented

We expect to encounter the following oil, water, and gas horizons and propose to lay out of them as follows: (We will arrange for any changes in this programme)

Water - none
Oil & Gas - 450 to 800 feet
Depth - 800'

The well is to be drilled by Company ~~XXXXXXXXXX~~ If Contractor, please name -----

The officers in charge of the operation will be:

At the Well *[Signature]*
Field Superintendent

Of the Company *[Signature]*
Signature

Name of Permittee Imperial Oil Limited

Approved *[Signature]*
Acting Supervisory Engineer
Dept. Mines and Resources

~~XXXXXXXXXX~~
P. F. Shannon

cc: Department of Mines & Resources (2)

Mr. V. P. Shannon

Toronto

Edmonton

Pet. Eng.

Civil Eng.

Geol. Dept.



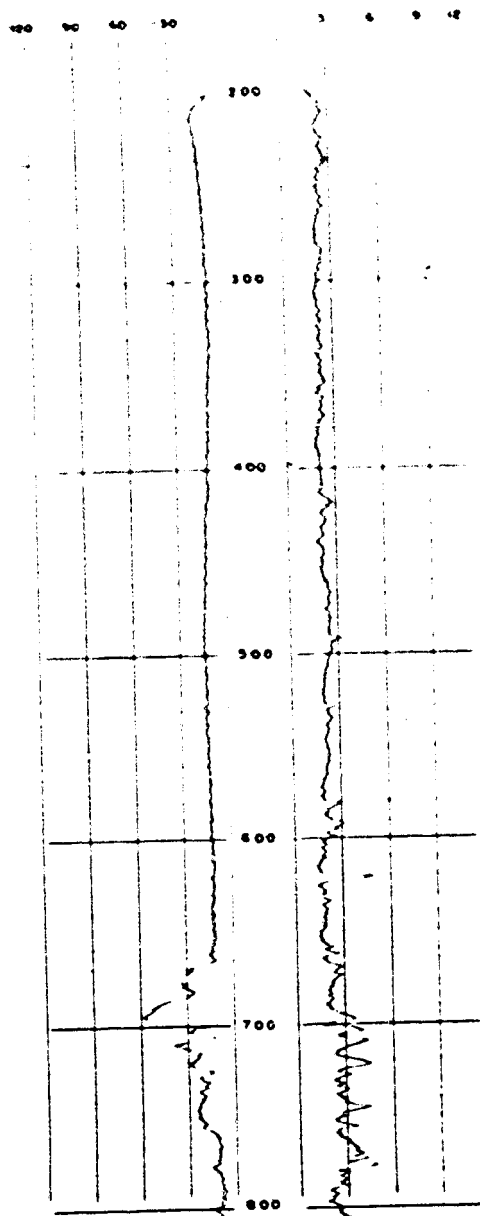
COPYRIGHT MATERIAL ALL RIGHTS RESERVED FIELD CANTON # 1 FIELD BUREAU	
COMPANY _____ WELL CANTON # _____ FIELD NUMBER _____ COUNTY _____ STATE _____ SEC _____ TWP _____ RGE _____ SHEETS _____	
Log Measured From _____	Direction _____
Coring Measured From _____	Direction _____
Permeability Direction _____	Variation _____
Rock Test _____	
Soil Test _____	
Percentage Logged _____	
Total Depth, Ft. Log _____	
Total Depth, Direction _____	
Log Sheet, E. Log _____	
Log Sheet, Direction _____	
Log Sheet _____	
Soil Test _____	
Other Tests _____	
Notes & Data _____	
Transmittance _____	
Losses _____	
Weights _____	
Viscosities _____	
Pk _____	
Number of Measurements _____	
Losses per 10' state _____	
Mean Temp _____	
Observations Spacing _____	
Shore _____	
Mudroom _____	
Long _____	
Temperature _____	
Recorded by _____	
Witnessed by _____	
REMARKS OR OTHER DATA	
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IMPEDANCE



IN RIAL OIL LIMITED
NORMAN EXPLORATION
CANYON # 2

T.D. Driller 803'
T.D. Logged 805'
FILE NO. 45753

NOTE: All depths to be reported from:
 Top of rotary table if rotary
 used; derrick floor if standard tools
 used.

DEPARTMENT OF MINES & RESOURCES
 NORTHWEST TERRITORIES BRANCH

WEEKLY SUMMARY OF DRILLING (Rotary Tools)
 As required by Section 61 of the Petroleum &
 Natural Gas Regulations.

Field Mackenzie River Basin, Norman Wells, N.W.T.
 Company or Contractor Imperial Oil Limited
 Well designation Canyon No. 2.

Day ending 8:00 a.m.	Footage drilled				Depth at end of day	Drilling Mud		Slope Tests		Remarks
	1st tour	2nd tour	3rd tour	Total		Average viscosity seconds	Average Weight #/gal.	Depth	Inclination	
August 29th	37	55	57	149	149	43	10.1	30	0°	Spudded at 1:00 p.m.
" 30	50			50	199	45	10.6	187	10°	Running casing.
" 31					199					Standing cemented.
September 1					199					Standing cemented.

General Remarks:

Ran and cemented 188' of 10 3/4" casing
 at 198' with 60 sacks of cement.

Drilling Superintendent, *[Signature]*

Date August 29 to Sept. 1, 1945...

NOTE: All depths to be reported from
top of rotary table if rotary
used; derrick floor if standard tools
used.

DEPARTMENT OF MINES & RESOURCES
NORTHWEST TERRITORIES BRANCH

WEEKLY SUMMARY OF DRILLING (Rotary Tools)
As required by Section 61 of the Petroleum &
Natural Gas Regulations.

Field Mackenzie River Basin, Norman Wells, N.W.T.
Company or Contractor Imperial Oil Limited
Well designation Canyon No. 2.

Day ending 8:00 a.m.	Footage drilled		3rd tour	Total	Depth at end of day	Drilling Mud		Slope Tests		Remarks
	1st tour	2nd tour				Average viscosity Seconds	Average Weight #/gal.	Depth	Inclination	
September 2			133	133	332	43	9.3			Drilled plug at 177'
" 3	125	90	33	248	580	43	9.8			Drilling sand and shale
" 4	57	47	27	131	711	44	10.4			Canyon ss. at 667'
" 5	13	5	30	48	759	42	10.4			Formation test.
" 6	6	31	7	44	803	44	10.6			Drilling sandstone
" 7					803					Electrolog
" 8					803					Abandoning hole.

General Remarks: Hole cored from 531' to 551', 664' to 765' and 795' to 803' and tested with Formation Tester throughout section from 664' to 724'. There was no active show of oil or gas and the well was abandoned as a shallow test on September 8, 1945.

Drilling Superintendent A. J. [Signature]
Date September 2 to 8, 1945.