

IMPERIAL.

MAC.

NO. 2.

Drilling Authority No.
Date Issued

WELL NAME Imperial Mar No. 2

FIELD Willacet

Area: Norman Wells

LOCATION: Unit

Section

Grid

Latitude 68°24'51" N.

Longitude 147°00'22" W.

From Established Reference Marker

Rig Release Date: 23-5-44

Notes D & A

Information Release Date 23-5-46

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.

CEMENTING RECORD (Pug. Spans, etc.)			PERFORATING RECORD (Bobs, Jcs)			SERVICING RECORD (A. Along, Fracing, etc.)		
Date	From	To	Date	From	To	Date	From	To
	2904	2944						
	2135	2176						
	205	275						
								No acid

DRILL STEM TESTS										
No.	Date	Formation	From	To	V.O. Min.	1st Min.	2nd Min.	3rd Min.	4th Min.	REMARKS
1		See Story	2162	2503						Recovered no oil, water or gas.

Lith. No.	Sample	From	To	Remarks	PRESENT STATUS OF WELL			
					Oil	Gas	Dry	Seep
					(Insert)	(Insert)	(Insert)	(Insert)

Company: **Imperial Oil Limited**
 Signed by: **COPI (Contract) J. E. FINCH**
 Title: **Well File Clerk**
 Date: **November 16/51**

Form to be prepared in duplicate and forwarded to the Oil Conservation Bureau, Calgary, Alberta.

REPORT OF WELL AND LOG

REGULATED LOG OF OIL OR GAS WELL TO BE FILLED IN BY THE DRILLER AND RETURNED TO THE LANDS, MINES AND FORESTRY DEPT., DEPARTMENT OF AGRICULTURE AND FORESTRY

Lease or Permit No. **170** Imperial Oil limited by its agent W. S. Douglas
 Name of Property **P. M. S. Co. No.** Location or Direction
 Well No. **No. 2** Date Completed **September 19, 1943**
 District **Barnes Wells, N. W. T.** Location **N 1000' E 3000' Foot No. 1 Low Creek No. 1**
 Elevation above sea level **435'** Completed Depth **2990'**
 Type of Well **Open Hole Rotary**
 Maximum deviation from vertical **1° at 1410'**

Water Record

Water encountered at depth in feet
 Has any surface well water rise
 Soil (hard, soft, fresh, salt, sulphur, etc.)

Gas and Oil Record

Gas at **2990'** in feet Estimated capacity
 Oil at **2990'** in feet Estimated capacity in barrels

Casing Record

Size	Weight	Condition	Length	Completed	No. of Strips
1 1/2"	44.00/lb.	Run	293'	November 29/43	30

No other strings of pipe run.

Driller's Log

Nature of Rock Material	Color	Depth in Feet		Remarks
		From	To	
Surface		0'	100'	
Cretaceous		100'	1140'	
Bedford sh.		1140'	1640'	
Upper Fort Creek sh.		1640'	2360'	
Diluvial shale sand		2360'	2453'	
Red limestone		2453'	2990'	unstratified
Lower Fort Creek sh.		2990'	2990'	

General Remarks on Driller, Drilling, Cementing, etc.

This well was spudded in by Noble Drilling Corp. on November 19th, 1943 and after connecting the conductor pipe a 1 1/2" hole was drilled to 295', 243' of 1 1/2" casing was cemented at 293' with 30 sacks and operations were suspended. Barnes Exploration resumed operations on July 21st, 1944 and drilled 3/4" hole to completion at a depth of 2990'. A Drill 5-gal Test of the upper limestone section between 2442' and 2902' showed this formation to be barren and the well was abandoned as described in the Notice of Intention to Abandon.

1944

25529

NOTICE OF INTENTION TO ABANDON A WELL

Notice to be forwarded, in duplicate, to the Director, Lands, Parks, and Forests Branch, Department of Mines and Resources, Ottawa.

Notice is hereby given as required by Section 53 of the P. & N.S. Regulations, dated January 28th, 1943, that it is the intention on or about the day of August 23rd, 1944, to abandon Well No. 2 Elevation 435' feet, located on P. & N.S. Permit No. 178, approximately one-quarter (1/4) mile south of Canal Highway, one mile south from the Mackenzie River being 10,052' N and 3456' E of Post No. 1 Loon Creek No. 1

Registered in the name of Imperial Oil Limited by their agent Walter B. Dingle.

The reasons for abandonment are:- No production encountered.

Oil, gas and water were encountered as follows and will be shut off as outlined below:-

Oil:- None encountered

Gas:-

Water:- Water rose to (low near the surface. On drill stem test packer was at 2462 section tested 2462 - 2503 showed no flow of oil, water or gas.

The depth drilled to was 2958' feet and the following casings were inserted:-

Chas

15129

Norman Wells, N.W.T.
August 31st, 1944

IMPERIAL OIL LIMITED - NORMAN EXPLORATION
WELL COMPLETION REPORT

Well: Mac No. 2
Lesse: F. & N. C. Permit No. 178
Registered Owner: Imperial Oil Limited by its agent Walter B. Dingle
Co-ordinates: N10,052' E 3,656'.
Elevation: 435' (Top of Rotary Table - Kelly Bushing)
Date Operations Commenced: Spudded in by Noble Drilling Corporation
Nov. 19/43.
Date Suspended by Noble Drilling Corporation: Nov. 25/43, at 255'.
Date Operations resumed by Imperial Oil Limited: July 21, 1944.
Date Operations Completed: by Imperial Oil Limited, August 23rd, 1944.
Type of Rig: Masco Skid Rotary.
Completed Depth: 2956'.

Formations:

Surface	0' - 235'
Cretaceous	235' - 1135'
Bosworth ss.	1135' - 1740'
Upper Fort Creek	1740' - 2366'
Sh.	
Bituminous Sh.	2366' - 2453'
Reef Limestone	2453' - 2956'.

[REDACTED]

NOTICE OF INTENTION TO DRILL OIL WELL

THIS IS TO CERTIFY, in witness whereof, to the Director, Lands, Mines and Technical Surveys, Department of Mines and Technical Surveys, Ottawa, at least 15 days before work is begun.

October 14 1945

Sir:

Permit is hereby given as required by section 14 of the Petroleum and Natural Gas Regulations, dated January 20, 1943, that it is our intention to begin drilling a well on T. & A. St. Vincent Co. Mac #2 Location 28 day of October 1945

Standing in the name of Imperial Oil Ltd. by Walter B. Dingle and located approximately 200 ft. east of Canal Highway about one mile south from MacKenzie River.

(Wells being delineated from boundaries)
 10052 feet North of ~~and~~ 3656 feet East of Post #1 Leon Creek #1
 The well shall be known as Mac No. 2

We intend using the following equipment:

Type of Drilling rig	Rotary	and Gear				
		Size	Weight	Depth	Brand	Use
		10 3/4"	4000			new
		7"	28			250
						2200
						cemented
						"

We expect to encounter the following oil, water and gas horizons and depths (taking care of them as follows): We will inform you of any changes in this programme.

Water - none
 Oil & Gas - 2200
 Probable depth of well - 2800 ft.

The well is to be drilled by ~~XXXXXXXX~~ Contractor. If contractor ~~is~~ not.

Noble Drilling Corporation

The officers in charge of the operations will be:

W. B. Dingle
 Field Superintendent 1
 Name of permittee Imperial Oil Ltd.

J. S. Stewart
 Signature
 Title Manager, Imperial Oil Limited,
 Producing Department

J. S. Stewart
 Supervisory Engineer
 Dept. of Mines & Resources

SIZE A

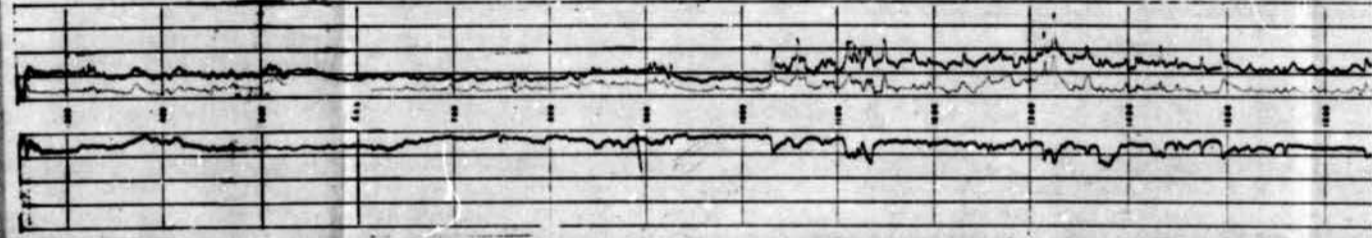


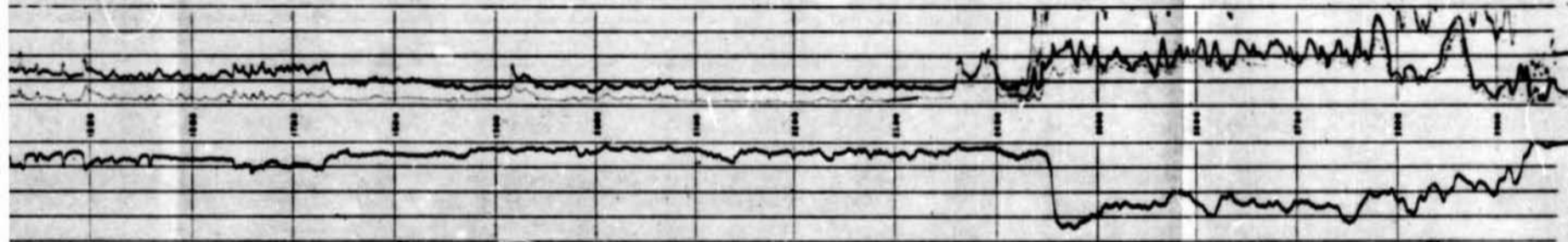
ELECTRIC WELL LOG

COMPANY INITIALS	FILE
WELL NAME	WELL NO.
FIELD	COUNTY
STATE	SEC.
TWP.	RANGE
LOG MEASURED FEET	
Casing	
Mud	
Gravel	
Sand	
Silt	
Clay	
Shale	
Limestone	
Gypsum	
Salt	
Other	

REMARKS ON OTHER PAGE

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