



CANADA

File No. 432
Drilling Authority No.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL 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 IOE Blow River YT E-47-68-50-137-15

Location: Unit E Section 47 Grid 68° 50', 137° 15'
Latitude 68° 46' 20" N Longitude 137° 27' 13" W

From Established Reference Marker Seismic Control and Air Photo

Universal Well Location Reference. Lat: 68°.77222N Long: 137°.45361 W

Permit No. 3754 Lease No.

Imperial Oil Enterprises Ltd.
(Permittee, Licensee, Lessee)

Date of commencement of proposed program November 12, 1970

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at None Encountered

Gas at None Encountered

Water at 3260' - 3401'

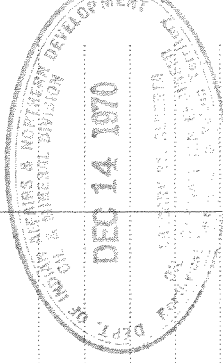
Total Depth 14000' Date of last operations November 11, 1970

Present condition of well

Standing Ready to Abandon

CASING RECORD

| Casing Size O.D. Inches | Weight | Amount | Set At— | Sacks of Cement and Additives | Amount Pulled |
|-------------------------|--------|----------------|---------|-------------------------------|---------------|
| 1. | | | | | |
| 2. | | SEE ATTACHMENT | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |



PROPOSED ABANDONMENT PROGRAM

| No. | Plug Position | | Geological Formation | Number of Sacks of Cement | Remarks |
|-----|------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------------|---------------|
| | | | | | |
| 1 | 10,050' - 9,950' | Lower Jurassic | | 100 + 0.2%HR-12 | Top at 9,903' |
| 2 | 3,830' - 3,730' | Top of 10-3/4" Liner | | 75 | Top at 3,736' |
| 3 | Surface | Surface Casing | | 35 | |
| | | Ran approximately 2000' of thermistor cable prior to running top cement plug. Welded on plate. Installed 4' riser with well name. | | | |

The following logs have been run IES, DIL, SNP-GR, FDC-GR, BHC-GR, Dipmeter, Velocity, Directional Survey
Other operations proposed

None

Operations to be carried out by Imperial Oil Limited Contractor Licence No.
Address 10025 Jasper Avenue, Edmonton Address

Responsible Agent in field W. Hockey

Dated at Edmonton this 19 Day of November 19 70

Signed by *W. Hockey* Company Imperial Oil Ltd.

Title Development Manager Operator's Exploratory Licence No. 1674

Note:—The Oil Conservation Engineer's office must be notified before work is commenced.

(For OIL AND MINERAL 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
on the 11th November 1970.

Dated 22nd December, 19 70

B.H.J. Thoms
Oil Conservation Engineer

LAND 52-90 (5) (2-69)

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

CASING DETAILS

IOE Blow River YT E-47-68-50-137-15

1. Conductor Pipe - 28" x 36" set at 65' Ground Level
 Cement with 100 sacks cement
 50 sacks gypseal

2. Casing Program

| | <u>Size</u> | <u>Weight</u> | <u>Amount</u> | <u>Set At</u> | <u>Sacks of Cement</u> |
|---------------------|----------------|---------------|---------------|---------------|-----------------------------------------|
| <u>Surface</u> | K-55 20" | 106.50 | 761.63 | 782.0 | 1800 |
| <u>Intermediate</u> | N-80 13 3/8" | 72.0 | 1871.50 | | |
| | K-55 13 3/8" | 68.0 | 1035.23 | | |
| | K-55 13 3/8" | 61.0 | 1115.08 | | |
| | Stage collar | 2.80 | | | |
| | Float collar | 1.80 | | | |
| | Float shoe | 1.65 | | 4047.06 | 1000 sacks 1st stage |
| | | | | | 2000 sacks 2nd stage |
| | | | | | recemented 20' to surface with 20 sacks |
| <u>Liner</u> | N-80 10 3/4" | 51.0 | 710.94 | | |
| | S95 10 3/4" | 55.5 | 3011.32 | | |
| | S95 10 3/4" | 60.7 | 2474.31 | | |
| | Liner Hanger | 12.90 | | | |
| | Landing collar | 1.00 | | | |
| | Float collar | 1.65 | | | |
| | Float shoe | 1.73 | | 9998' | 1st attempt 2000 sacks |
| | | | | | + 2% HR-12 |
| | | | | | 2nd cement job 1720 s |
| | | | | | + 2 1/2% HR-12 |

* Pumped first 2000 sacks + 2% HR-12 into sump as
 liner setting tool did not hold.
 Second cement job successful.

