

DEPARTMENT OF INDIAN AFFAIRS AND NORTH-WEST DEVELOPMENT
OIL AND MINERAL DIVISION

Application for a Drilling Authority

This notice of intention to begin drilling operations in a phosphate 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 "Control of Oil and Gas Land Proportions" application is hereby made for approval to drill:-

Name and number of well: Cheyenne 1500

Location: Unit 1041 Section 13 Grid 57-20-137-45
Latitude 57° 17' 23" N Longitude 113° 53' 33" W
Unique Well Identifier: 10 2048672 137 450
Universal Well Location Reference: 57.28972° N 113.89305° W

Elevation: Ground 1041 K.B. 1056 feet above sea-level.
Well is expected to produce from Johnson Creek Formation formation at a depth of about 4450 feet. Expected total final depth 8000

Area assigned to well (for District Conservation Engineer's use only)

Permit No. 6462 Lease No. Acreage 48,578
Permittee, licensee, or lessee Gulf Oil Canada Limited
Explanatory Licence No. 1530
Surface owned by Crown (If alienated submit name and address of owner and occupant)

Petroleum and natural gas rights owned by Crown

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. 19"	47.1	PRW	New	70	300
2. 13 3/8"	54.5	K-55	New	900	930
3.					
4.					
5.					

O.P.
MKE

Expected water, gas, and oil horizons and type of control equipment Johnson Creek, Permian Clastics, M. Albion, 12" Series 900 Hydril CK, 12" Series 900 Shafter, Type E Double Gate Hydraulic, Payne, 80 Gal. Accumulator, and Remote Controls.

Well will be drilled with Rotary Rig No. 1 by Nabors Drilling Ltd. (Drilling Contractor or company)

440, 444 - 7th Avenue S.W. Calgary, Alberta

Responsible agent of applicant: Contractor's Business Licence No.
At well R. K. Coppen At registered office R. C. Richardson
Address 400-5th Ave. S.W. Calgary Address 400-5th Ave. S.W. Calgary

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

Dated at Calgary, this 23 day of October, 1972

Signed by Project Manager, Operator Licence No. 1507

(For Oil and Mineral Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:

PLEASE SEE ATTACHED CONDITIONS OF APPROVAL

Dated 23 Oct 1972
District Conservation Engineer
Department of Indian Affairs and Northern Development