



## DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

## OIL AND MINERAL 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: Chevron SOBC WM Whitemish Y1 J-70

Location: Unit J-70, Section 70, Grid 67-10-137-15  
Latitude: 67° 09' 32" N Longitude: 137° 26' 44" W

Unique Well Identifier: 300J706710137150  
Universal Well Location Reference: Lat., 67.15889 Long., 137.44555

Elevation: Ground level 1070 feet above sea-level.  
Well is expected to produce from Johnson Creek formation at a depth of about 6700 feet. Expected total final depth 8000

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

Permit No.: 2727 Lease No.: Acreage: 49.920

Permittee, licensee, or lessee: Western Minerals Ltd.

Exploratory Licence No.: 1541, Lic. No. for SOBC - 1501

Surface owned by Crown 24% (If deeded submit name and address of owner and occupant)

Petroleum and natural gas rights owned by: Chevron

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

Casing Size O.D. (inches)	Weight (lb./ft.)	Grade	Condition	New	Estimated Depth	Sacks of Cement
1. 19" double wall 47.1	54.0	Welded	New	65	150	
2. Insulated and (Approx.)						
3. Refrigerated						
4. 13-3/8" 54.0	54.0	4-15	New	900	950	
5. 10" 54.0	54.0	4-15	New	1500	1500	

Expected water, gas, and oil horizons and type of control equipment: Blackley, Johnson Creek

Hydril GR 12-900, Shifter 12" + 900 Hydraulie Double gate, Hydril Model 80

Accumulator, Remote Controls w/Standby Nitrogen Bottles, 3000 psi Manifold

Well will be drilled with Rotary Rig No.: 1502 by G.P. Drilling Division (United Contractor's company) westbrite DRILLING LTD.

1332 Calgary House, Calgary, Alberta

Responsible agent of applicant: R. K. Common Contractor's Business Licence No.: A-1001, Lts. 1 & C. Richardson  
At well: Address: 400 - 5th Ave., S.E., Calgary, Alberta T2P 1H9

It is understood that if changes become necessary to any of the terms of this application, a copy of the same will be submitted to the Department of Indian Affairs and Northern Development, Drilling Division, 1502, 1332, 5th Avenue, S.E., Calgary, Alberta T2P 1H9

Dated at: Signed by: Project Manager: Title: Dated: Jan. 11, 1973

Chevron Standard Limited

Contractor's Business Licence No.: 1502

OIL AND MINERAL DIVISION

**APPROVED**

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

PLEASE SEE ATTACHED SHEET FOR CONDITIONS OF APPROVAL.

Dated: Jan. 11, 1973

By: District Conservation Engineer

Forms to be submitted to District Conservation Engineer

Department of Indian Affairs and Northern Development

CHEVRON SOBC KM WHITEFISH YT J-70

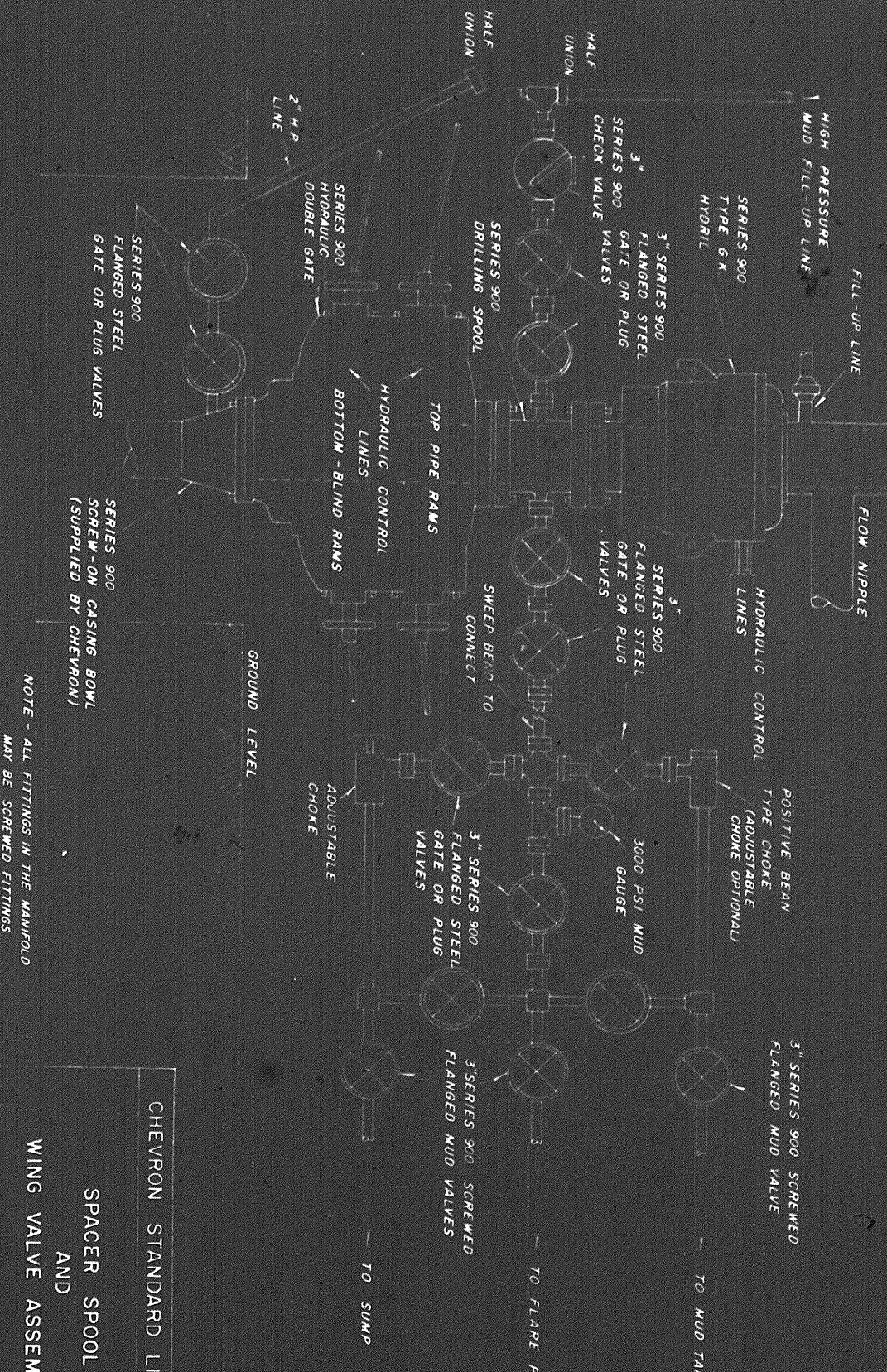
N  $67^{\circ} 09' 32''$   
W  $137^{\circ} 26' 44''$

Geological Prognosis  
Estimated KRF = 1085

Formation	Depth (KB)
Blackie (Top)	3070
Blackie (Base)	3960
Mid Albian Unconformity	4880
Johnson Creek Silt	5300
G. T. Shale	5800
Johnson Creek Sand	6700
Post Devonian Unconformity	7400

Base of permafrost estimated at 400 to 450 feet.

MINIMUM 1.0 13 5/8" FOR 9 5/8" CASING



CHEVRON STANDARD LIMITED

SPACER SPOOL  
AND  
WING VALVE ASSEMBLY

SERIES 900  
FLANGED STEEL  
GATE OR PLUG VALVES

SERIES 900  
SCREW-ON CASING BOWL  
(SUPPLIED BY CHEVRON)

SCALE	DRAWN	DATE
Not To Scale	E.W.W.	FEB 10, 70

A-9057E

FC-L