



Exploratory ☒ Delineation ☐  
Development ☐ Other: (N/A) Service ☐

APPROVAL TO DRILL A WELL

This application is submitted under Section 82.(1) of the Canada Oil and Gas Drilling Regulations (SOR/79-82). When approved under Section 83 of the Regulations it is the requisite approval for the commencement of drilling operations.

Well Name: PETRO-CANADA BLACKWATER KWIJKA M-59

Operator: Petro Canada

Operating License No.: 1165 Drilling Program No.: N/A

Contractor: Akita Sahtu Drilling Ltd. Interest Identifier: Exploration Licence 433

Drilling Rig or Unit: 51 Estimated Well Cost: \$24500000.00

Land Use Permit No.: S07A-016 Water Licence No.: S07L1-005

Location: Unit: M Section: 59 Grid: 64-40-122-30

Coordinates: Surface: Lat.: 64°38'45.3" Long.: 122°40'56.8"  
(NAD 27) Bottom Hole: Lat.: 64°38'45.3" Long.: 122°40'56.8"

Region: NWT Central MacKenzie Field / Pool: N/A

Elevation KB/RT: 250.70m GL / Seafloor: 245.8m

Approximate Spud Date: 20/01/2008 Est. Days on Location: 60

Anticipated Total Depth: 1700m Target Formation: Mount Clark Sand Stone

EVALUATION PROGRAM

	Interval (m KB)	Comments
Ten-metre samples:	----- - -----	N/A
	350.00 -	
Five-metre samples:	1700.00	(2 sets vialled and 2 set bagged)
Canned sample intervals:	350.00 - 1700	(10m intervals - 2 sets)
Conventional cores at:	----- - -----	N/A
	350.00 -	(350m-1200m) CNL, HGNS, HRLA, Microlog, BHCS and FMI. (1200m - 1700m) CNL,
Logs and Tests:	1700.00	HNGS, HRLA, Microlog, DSI, FMI, MDT, VSP and sidewall cores might be cut.

CASING AND CEMENTING PROGRAM

O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m KB)	Cementing (m³)
508.0	139.9	H-40	20.00	10.2
244.50	53.60	K-55	350.00	26.10
177.80	34.23	L-80	1200.00	21.10
114.30	17.26	L-80	1700.00	7.90

(0-350m). Split Flow Nipple, 21 MPa Diverter, Spool with 79.4mm HCR, (350 -TD) Split Flow Nipple, 21 MPA Annular Preventer, Pipe Rams, Blind Rams, Spool with 79.4mm HCR, Pipe Rams, Spool with 2 x 79.4mm Flanged Outlets and 279mm Kick out Spool.

B.O.P. Equipment:

Other Information: .....

Signed: [Signature] Date: Nov. 8 - 07

Doug Peterson Responsible Officer

Name: Dave Taylor Operator: Petro Canada

Title: Western Canada Drilling Manager Phone: (403)296-5432

NEB USE ONLY

An approved copy of this notice is to be posted at each drillsite. This operation is authorized under Section 5.(1)(b) of the Canada Oil and Gas Operations Act (O-7) and is subject to the terms and conditions attached to this authorization.

Date: 11 DEC 07 Signed: [Signature]  
File: \_\_\_\_\_ Chief Conservation Officer  
WID: 2050  
UWI: 300MS96440122300