



APPROVAL TO ALTER CONDITION OF A WELL

APPLICATION

This application is submitted under Section 10 of the *Oil and Gas Drilling and Production Regulations*. When granted under Section 13 of the Regulations, this form is the requisite approval for the commencement of well operations. An approved copy of this notice is to be posted at each drill site.

| | | | |
|----------------------------------|-------------------------------------|--------------------------------|----------------------------|
| Well Name | COPRC MIRROR LAKE N-20-65-00 126-45 | | |
| Well Identifier | 2079 | Operations Authorization No. | NEBOA1211-002 |
| Operator | ConocoPhillips Canada | Current Depth | 2146m KB |
| Operating Licence No. | NWT-OL-2014-002 | Licence No. | Exploration Licence EL 470 |
| Contractor | TBD | Drilling Rig or Unit | TBD |
| Station Keeping | Not Applicable | Land Structure | Conventional Land |
| Current Well Status | Suspended | Anticipated Well Status Change | Suspended |
| Land Use Permit No. | TBD | Issued by: | Sahtu Land and Water Board |
| Water Licence No. | SL14L1-003 | Issued by: | Sahtu Land and Water Board |
| Location | Unit N | Section 20 | Grid 65-00 126-45 |
| Coordinates (NAD 27) | Surface | Lat 64 ° 59 ' 46.8 ° | Long 126 ° 48 ' 14.6 ° |
| | Bottom Hole | Lat 64 ° 59 ' 46.8 ° | Long 126 ° 48 ' 14.6 ° |
| Ground Level / Seafloor | 281.3 m | Elevation KB/RT | 286.5 m |
| Approximate Date of Commencement | Feb 10, 2016 | Est. Days on Location | 14 days |

WELL OPERATION PROGRAM

| Activity Type | Top to Bottom Interval (m KB) | Comments |
|---------------|-------------------------------|--|
| Suspension | 2059.0-2060.0 | Cement Squeeze existing perforations |
| Suspension | 2023.0-2024.0 | Cement Squeeze existing perforations |
| Suspension | 1993.0-1994.0 | Cement Squeeze existing perforations |
| Suspension | 2068.0-2070.0 | Perforate Lower Canol & cement squeeze |
| Suspension | 2015.0-2017.0 | Perforate Lower Canol & cement squeeze |

Additional Information

Scope of well suspension program is to conduct operations for surface casing vent flow repair and to leave the well suspended as per the following summary: (See attached detailed program).

- 1) Install a surface casing ventmeter to monitor flowrates and pressures during operations.
- 2) Recover retrievable bridge plugs from 1976.25m KB & 1986.3m KB.
- 3) Perforate from 2068.0-2070.0m KB & 2015.0-2017.0m KB. Attempt feed rate with water.
- 4)Balance 200 to 300 meter cement plug based on feed rates and cement squeeze Lower Canol while monitoring effect on surface casing vent meter. Tag and pressure test cement plug.
- 5)Perforate Imperial Sand from 1938.0-1940.0m KB. Attempt feed rate with water. If required acidize with 2m3 of 15% HCL acid and additives or synthetic acid blend. Set a cement retainer.
- 6) Cement squeeze perforations from 1938.0-1940.0m KB while monitoring effect on surface casing vent meter.
- 7)Perforate Imperial Sand from 1906.0-1908.0m KB. Attempt feed rate with water. If required acidize with 2m3 of 15% HCL acid and additives or synthetic acid blend. Set a cement retainer.
- 8) Cement squeeze perforations from 1906.0-1908.0m KB while monitoring effect on surface casing vent meter.
- 9)Rig out Service rig and equipment. Leave vent meter on to monitor until shipping out on the winter road is required.

"I certify that the information provided on this form is true and correct"

| | | | |
|-----------------|--|-----------|------------------------|
| Name | Angel R. Avery | Telephone | (403) 233-4147 Ext |
| Job Designation | General Counsel & VP Legal & BD | E-Mail | Angela.R.Avery@cop.com |
| Operator | ConocoPhillips Canada Resources | | |
| Signature | | Date | May 22, 2015 |
| | Responsible Officer of Company | | |



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| OROGO USE ONLY | | |
| This well approval is granted under section 13 of the <i>Oil and Gas Drilling and Production Regulations</i> and is subject to the terms and conditions attached to this approval and Operations Authorization No. <u>OA-1211-002</u> | | |
| Job Designation <u>Chief Conservation Officer</u> | Well Identifier <u>2079</u> | Unique Well Identifier <u>300N206500126450</u> |
| Signature <u>[Signature]</u> OROGO Authority | Date <u>JUL 21 2015</u> | |

Instructions:
Send three copies of the completed form with original signatures, along with the appropriate supporting technical documentation, to:

Chief Conservation Officer, OROGO
Department of Industry, Tourism and Investment
Government of the Northwest Territories
P.O. Box 1320
Yellowknife NT X1A 2L9