



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 LOON CREEK O-06 65-10 127-00		
Well Identifier	2080	Operations Authorization No.	NEBOA1211-002
Operator	ConocoPhillips Canada	Current Depth	1856m KB
Operating Licence No.	NWT-OL-2014-002	Licence No.	Exploration Licence 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 O	Section 06	Grid 65-10 127-00
Coordinates (NAD 27)	Surface	Lat 65 ° 05 ' 51.5 "	Long 127 ° 00 ' 30.7 "
	Bottom Hole	Lat 65 ° 05 ' 51.5 "	Long 127 ° 00 ' 30.7 "
Ground Level / Seafloor	252.4 m	Elevation KB/RT	258.4 m
Approximate Date of Commencement	Jan 21, 2016	Est. Days on Location	14 days

WELL OPERATION PROGRAM

Activity Type	Top to Bottom Interval (m KB)	Comments
Suspension	1681.0-1770.0	Leave existing casing patches in place.
Suspension	1739.0-1741.0	Perforate Lower Canol & cement squeeze
Suspension	1696.0-1698.0	Perforate Lower Canol & cement squeeze
Suspension	1681.0-1683.0	Perforate Lower Canol & cement squeeze
Suspension	1355.0-1359.0	Perforate Imperial & 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 1676.10m KB & 1687.50m KB.
- 3) Perforate Lower Canol intervals from 1739.0-1741.0m KB, 1696.0-1698.0m KB & 1681.0-1683.0m 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 1355.0-1359.0m 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 1355.0-1359.0m KB while monitoring effect on surface casing vent meter.
- 7)Perforate Imperial Sand from 1339.0-1342.0m 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 1339.0-1342.0m 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 & <b>BO</b>	E-Mail	Angela.R.Avery@cop.com
Operator	ConocoPhillips Canada Resources		
Signature		Date	May 22, 2015
	Responsible Officer of Company		



APPROVAL TO ALTER CONDITION OF A WELL			
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>2080</u> Unique Well Identifier <u>3000066510127000</u>
Signature	 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