



File: WID #2079; 2080  
28 November 2013

Greg A. Gersib  
Vice-President  
Canada Exploration  
ConocoPhillips Canada Resources Corp.  
401 – 9th Avenue SW  
Calgary, AB T2P 2H7

Dear Mr. Gersib:

**ConocoPhillips Canada Resources Corp. (ConocoPhillips) Approval to Alter Condition of a Well (ACW):**

- **COPRC Mirror Lake N-20 (WID 2079)**
- **COPRC Loon Creek O-06 (WID 2080)**

ConocoPhillips is hereby granted approval to complete the above referenced wells. Please find the attached ACW forms for the proposed work and note that the approvals are subject to the terms and conditions provided on the attachment. In addition, the well approvals are granted under Operations Authorization OA-1211-002 and are subject to the terms and conditions of that OA.

Any change or deviation from the approved program will require the additional specific approval of the Chief Conservation Officer.

These oil and gas activities are subject to the *Canada Oil and Gas Drilling and Production Regulations*, the *Canada Labour Code, Part II* and the *Oil and Gas Occupational Safety and Health Regulations*.

If you have any questions, please contact Abul Kabir at 403-292-5048 or [abul.kabir@neb-one.gc.ca](mailto:abul.kabir@neb-one.gc.ca).

Yours truly,

A handwritten signature in blue ink, appearing to read 'P. Smyth'.

Patrick Smyth  
Chief Conservation Officer

444 Seventh Avenue SW  
Calgary, Alberta T2P 0X8

444, Septième Avenue S.-O.  
Calgary (Alberta) T2P 0X8

**Canada**

Telephone/Téléphone : 403-292-4800

Facsimile/Télécopieur : 403-292-5503

<http://www.neb-one.gc.ca>

Telephone/Téléphone : 1-800-899-1265

Facsimile/Télécopieur : 1-877-288-8803

**Attachment**  
**Well Approval Terms and Conditions for:**  
**ACWs: COPRC Mirror Lake N-20 and COPRC Loon Creek O-06**

1. A copy of the *Canada Oil and Gas Drilling and Production Regulations*, the *Canada Labour Code Part II* and the *Oil and Gas Occupational Safety and Health Regulations* are to be kept at the well site and shall be made available on request by any person at the well site.
2. ConocoPhillips shall submit daily reports to [dailyreports@neb-one.gc.ca](mailto:dailyreports@neb-one.gc.ca).
3. ConocoPhillips shall report by March 31 of each year on the results of its monitoring and annual inspection of each suspended well.
4. ConocoPhillips shall, inform the Board of any key personnel and field personnel updates to the contact list as they become available or are changed.
5. ConocoPhillips shall submit summary of the certificates of critical equipment including drilling rigs, service rigs, fracturing stimulation equipment, boilers and coil tubing units before commencing the activities.
6. ConocoPhillips shall submit two paper copies and one electronic version (on CD/DVD, in PDF format) of all data for the “Well Operations Report” within 30 days of the rig release date. ConocoPhillips shall submit one LAS copy of final log prints on compact disc. ConocoPhillips is to ensure compact discs are maximized and submitted with the report.

MAIL ROOM  
SALLE DE COURIER

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## APPROVAL TO ALTER CONDITION OF A WELL

## APPLICATION

This application is submitted under Section 10 of the *Canada Oil and Gas Drilling and Production Regulations* (SOR/2009-0315). 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		
Well Identifier	2079	Operations Authorization No.	OA1211-001
Operator	ConocoPhillips Canada Resources Corp	Current Depth	2146m KB
NEB Operating Licence No.	1211	Licence No.	Exploration Licence 470
Contractor	TBD	Drilling Rig or Unit	n/a
Station Keeping	Not Applicable	Land Structure	Conventional Land
Current Well Status	Suspended	Anticipated Well Status Change	Other Observation
Land Use Permit No.	S12A-005	Issued by:	Sahtu Land and Water Board
Water Licence No.	S12L-005 Type B	Issued by:	Sahtu Land and Water Board
Location	Unit	N	Section 20
Coordinates (NAD 27)	Surface	Lat	64 ° 59 ' 46.8 "
	Bottom Hole	Lat	64 ° 59 ' 46.8 "
Ground Level / Seafloor	281.3 m	Elevation KB/RT	286.5 m
Approximate Date of Commencement	11/2/14	Est. Days on Location	30 days

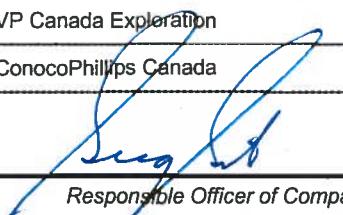
## WELL OPERATION PROGRAM

Activity Type	Top to Bottom Interval (m KB)	Comments
Re-entry	0-2146	Microseismic survey to be undertaken ,
Other	0-2146 m KB	log w/ USIT; IBC/CNL/DSI/CCL/GR; ROKE Sound Hound noise log
Completion	1993-1994	Pull upper bridge plug; set Owen casing patch over perfs
Completion	2023-2024	Pull middle bridge plug; set Owen casing patch over perfs
Completion	2059-2060	pull lower bridge plug; set Owen casing patch over perfs

## Additional Information

Recover pressure gauges left in hole. Record real time microseismic while hydraulic fracturing being undertaken on Mirror Lake P-20

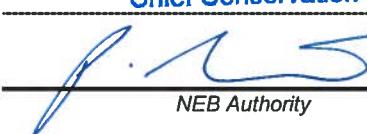
"I certify that the information provided on this form is true and correct"

Name	Greg Gersib	Telephone	(403) 5323527 Ext
Job Designation	VP Canada Exploration	E-Mail	greg.gersib@conocophillips.com
Operator	ConocoPhillips Canada		
Signature		Date	
	Responsible Officer of Company		

## NATIONAL ENERGY BOARD APPROVAL

(Board Use Only)

This well approval is granted under section 13 of the *Canada Oil and Gas Drilling and Production Regulations* (SOR/2009-0315) and is subject to the terms and conditions attached to this approval and Operations Authorization No. OA-1211-002.

Job Designation	Chief Conservation Officer	Well Identifier	2079	Unique Well Identifier	300N206500126451
Signature		Date	28 November 2013		
	NEB Authority				



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APPROVAL TO ALTER CONDITION OF A WELL  
NEB/ZONE

## APPLICATION

This application is submitted under Section 10 of the *Canada Oil and Gas Drilling and Production Regulations* (SOR/2009-0315). 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		
Well Identifier	2080	Operations Authorization No.	OA1211-001
Operator	ConocoPhillips Canada Resources Corp		
NEB Operating Licence No.	1211	Current Depth	1856m KB
Contractor	TBD	Licence No.	Exploration Licence 470
Station Keeping	Not Applicable	Drilling Rig or Unit	n/a
Current Well Status	Suspended	Anticipated Well Status Change	Other
Land Use Permit No.	S12A-005	Issued by:	Sahtu Land and Water Board
Water Licence No.	S12L-005 Type B	Issued by:	Sahtu Land and Water Board
Location	Unit	O	Section 06
Coordinates (NAD 27)	Surface	Lat	65 ° 05 ' 51.5 "
	Bottom Hole	Lat	65 ° 05 ' 51.5 "
Ground Level / Seafloor	252.4 m		Elevation KB/RT
Approximate Date of Commencement	6-Jan-14		Est. Days on Location
			32 days

## WELL OPERATION PROGRAM

Activity Type	Top to Bottom Interval (m KB)	Comments
Re-entry	0-1856	Microseismic survey to be undertaken ,
Other	0-1856	Wireline logs: USIT; IBC/CNL/DSI/CCL/GR; ROKE Sound Hound noise log
Select	-	
Select	-	
Select	-	

## Additional Information

Record microseismic while hydraulic fracturing being undertaken on Dodo Canyon E-76

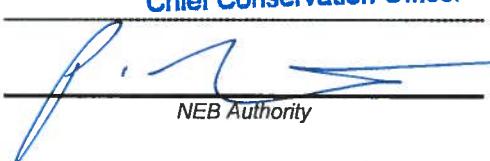
"I certify that the information provided on this form is true and correct"

Name	Greg Gersib	Telephone	(403) 5323527 Ext
Job Designation	VP Canada Exploration	E-Mail	greg.gersib@conocophillips.com
Operator	ConocoPhillips Canada		
Signature		Date	Sept 11, 2013
	Responsible Officer of Company		

## NATIONAL ENERGY BOARD APPROVAL

(Board Use Only)

This well approval is granted under section 13 of the *Canada Oil and Gas Drilling and Production Regulations* (SOR/2009-0315) and is subject to the terms and conditions attached to this approval and Operations Authorization No. OA-1211-002.

Job Designation	Chief Conservation Officer	Well Identifier	2080	Unique Well Identifier	300006650127001
Signature		Date	28 November 2013		