



Eric Hanson
Supervisor Central Mackenzie Valley
ConocoPhillips Canada
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Tel. 403.532.3527
Fax. 403.532.3403

July 16, 2013

Chief Conservation Officer
National Energy Board
444 Seventh Avenue SW
Calgary, AB
T2P 0X8
Canada

Attention: Patrick Smyth

SUBJECT: OA-1211-001 - Submission of COPRC Loon Creek O-06 and COPRC Mirror Lake N-20 Final Well Survey.

Dear Sir:

ConocoPhillips Canada Resources Corp. ("ConocoPhillips") hereby submits the final well surveys for COPRC Loon Creek O-06 and COPRC Mirror Lake N-20 as per requirement 4 of the Approval to Drill a Well Term and Conditions. This submission contains:

- Two paper copies of the Final Well Survey

Please direct any questions or concerns concerning this submission to my attention at (403) 233-3250 or Cyril Jenkins at (403) 233-3326.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Eric Hanson'.

Eric Hanson, P.Geol (AB)
Supervisor Central Mackenzie Valley
Chinook Appraisal

101891

Date: June 11, 2013

PLAN AND FIELD NOTES
OF SURVEY OF**EXPLORATORY WELL
COPRC MIRROR LAKE N-20
IN UNIT N, SECTION 20
GRID AREA 65° 00', 126° 45'
EXPLORATION LICENCE 470**NORTHWEST TERRITORIES
CANADA OIL AND GAS LAND REGULATIONS

100 50 0 100 200 metres

SCALE 1 : 5000

SURVEYED FOR
CONOCOPHILLIPS CANADA RESOURCES CORPORATION
BY: R. ROBINSON, C.L.S.
2013

-NAD 83 UTM COORDINATES ARE COMPUTED FOR ZONE 9, CENTRAL MERIDIAN 126°W.
BEARINGS WERE DERIVED FROM GPS OBSERVATIONS.
-DISTANCES ARE EXPRESSED IN METRES AND DECIMALS THEREOF.
-DISTANCES SHOWN IN G.P.S. TRAVERSE ARE MEASURED DISTANCES
REDUCED TO THE HORIZONTAL AT GENERAL GROUND LEVEL UNLESS SHOWN OTHERWISE.
-FOR THE COMPUTATION OF COORDINATES MEASURED DISTANCES HAVE BEEN
REDUCED TO THE UTM PLANE BY MULTIPLYING THEM BY AN AVERAGE COMBINED
SCALE FACTOR OF 0.999882.
-NAD 83 UTM COORDINATES ARE CONVERTED TO NAD 27 USING NATIONAL TRANSFORMATION
VERSION 2.

Certified Correct and completed on the
4th day of April 2013
RON ROBINSON C.L.S.
APRIL 4th 2013

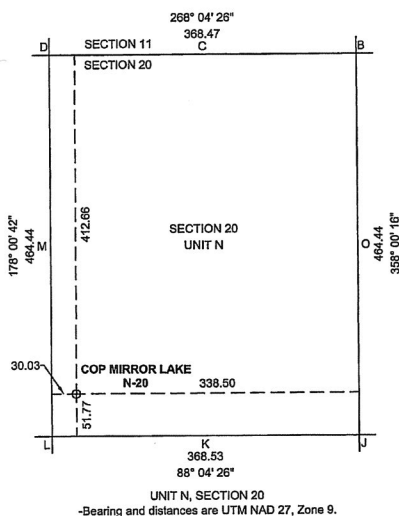
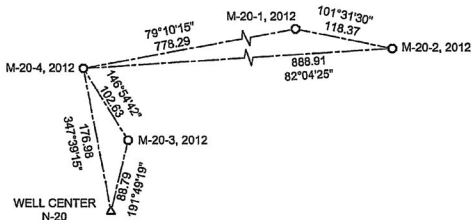
-DISTANCES SHOWN ON GRID AREA SUBDIVISIONS ARE UTM PLANE.

C.L.S. 77 TYPE MONUMENTS FOUND ●
C.L.S. 77 TYPE MONUMENTS PLACED ○
TEMPORARY TRAVERSE POINTS SHOWN THUS (SPIKE 10") Δ

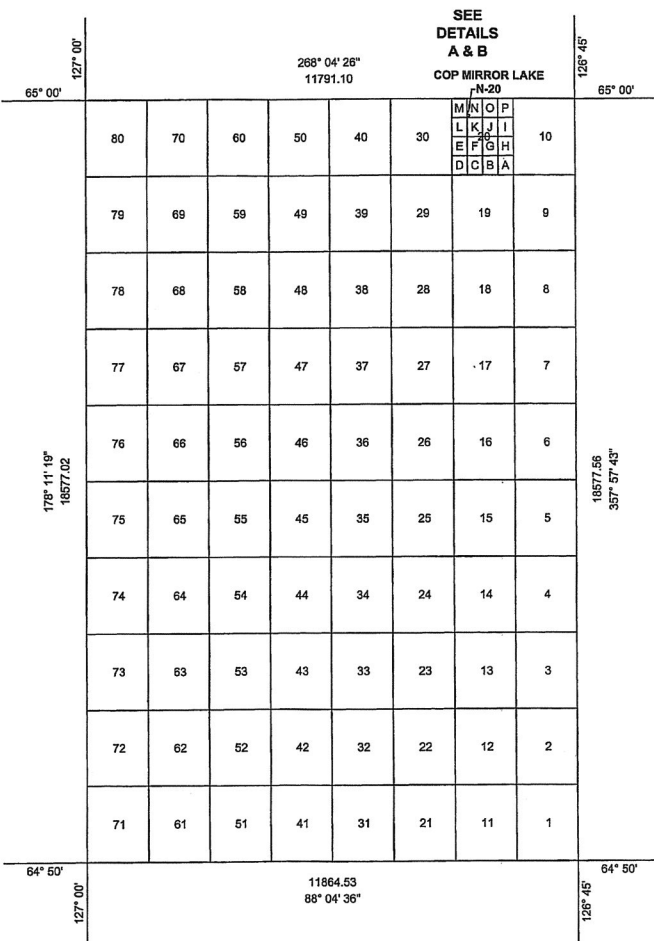
REFER TO FB39744 CLSR FOR THE SURVEY REPORT PERTAINING TO THIS SURVEY.

GROUND ELEVATION AT WELL CENTRE IS 281.30 metres.
ELEVATIONS WERE DERIVED FROM GPS OBSERVATIONS.THIS SURVEY WAS EXECUTED DURING THE PERIOD
JULY 17th, 2012 TO JULY 20th, 2012 BY RON ROBINSON, C.L.S.

CONOCOPHILLIPS CANADA RESOURCES CORPORATION

(SIGNATURE, TITLE) *Drilling Team Lead Exploration & New Ventures*(SIGNATURE) *[Signature]*WITNESS
[Signature]
MAY 28, 2013
DATE**DETAIL A: SURFACE UNIT**
SCALE 1 : 5000**DETAIL B: G.P.S. SURVEY**
SCALE 1:5000

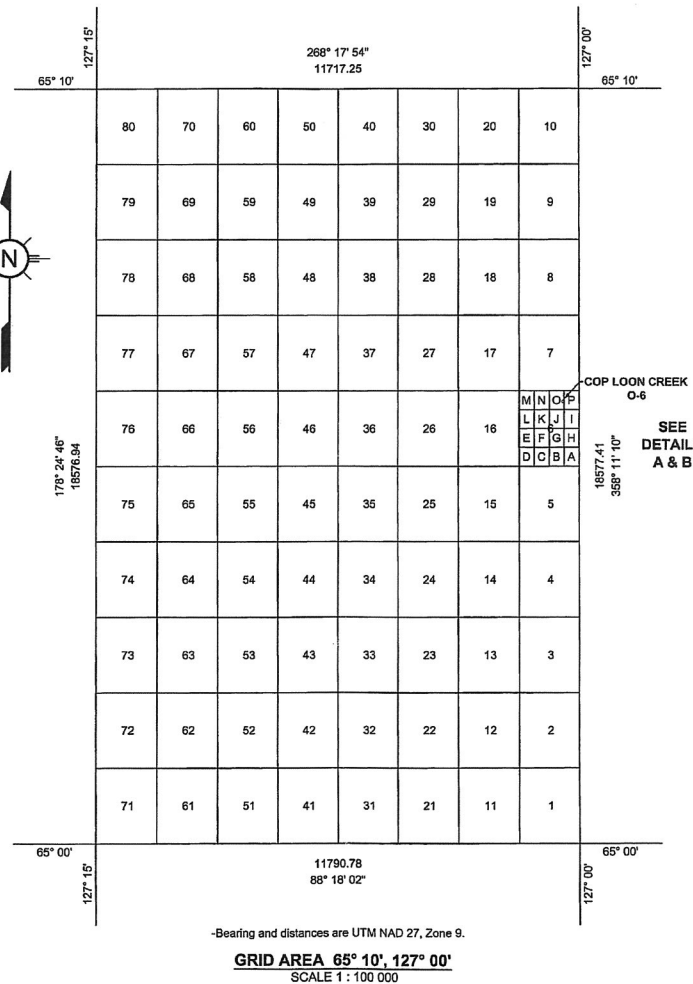
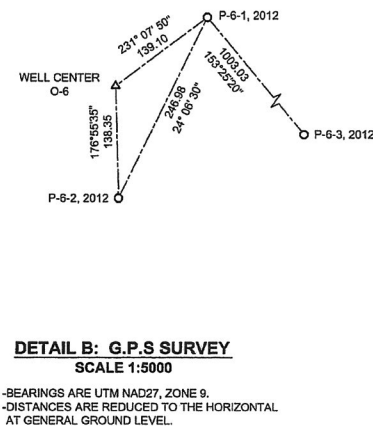
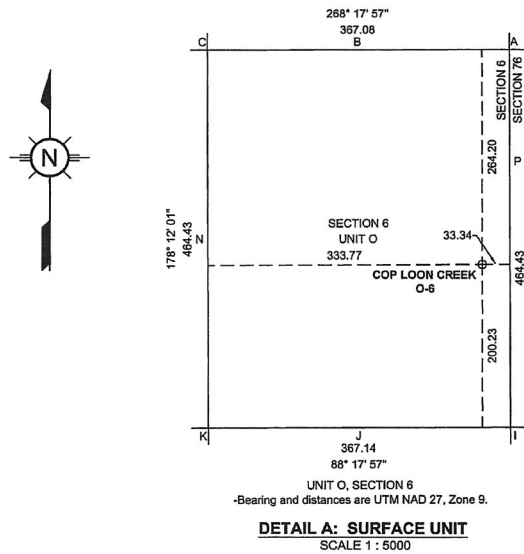
-BEARINGS ARE UTM NAD27, ZONE 9.
-DISTANCES ARE REDUCED TO THE HORIZONTAL
AT GENERAL GROUND LEVEL.



-Bearing and distances are UTM NAD 27, Zone 9.

GRID AREA 65° 00', 126° 45'
SCALE 1 : 100 000

TABLE OF CO-ORDINATES						
STATION	U.T.M. ZONE 9, C.M. 129 (NAD83)		U.T.M. ZONE 9, C.M. 129 (NAD27)		GEOGRAPHIC CO-ORDINATES (NAD27)	
	NORTHING	EASTING	NORTHING	EASTING	LATITUDE	LONGITUDE
SURVEYED CO-ORDINATES - Derived Using NRCAN PPP Website and Local Static Observations						
CLS 77 M-20-1, 2012	7210167.75	604191.67	7209970.63	604282.20		
CLS 77 M-20-2, 2012	7210144.12	604307.62	7209946.99	604398.16		
CLS 77 M-20-3, 2012	7209935.56	603483.47	7209738.49	603574.03		
CLS 77 M-20-4, 2012	7210021.52	603427.46	7209824.45	603518.02		
GRID AREA						
N.E.			7210149.71	606089.37	65°00'	126°45'
N.W.			7209753.42	594304.93	65°00'	127°00'
S.E.			7191583.91	606750.03	64°50'	126°45'
S.W.			7191185.69	594892.18	64°50'	127°00'
N-20 N.E.			7210075.41	603879.79	65°00'00.11"	126°47'48.75"
N-20 N.W.			7210063.02	603511.52	65°00'00.13"	126°48'16.87"
N-20 S.E.			7209611.25	603895.96	64°59'45.11"	126°47'48.75"
N-20 S.W.			7209598.87	603527.64	64°59'45.13"	126°48'16.87"
WELL CENTRE						
N-20	7209848.69	603465.29	7209651.62	603555.85	64°59'46.80"	126°48'14.58"



CANADA LANDS SURVEYS RECORDS
101892
Date: June 11, 2013

PLAN AND FIELD NOTES
OF SURVEY OF
EXPLORATORY WELL
COPRC LOON CREEK O-6
IN UNIT O, SECTION 6
GRID AREA 65° 10', 127° 00'
EXPLORATION LICENCE 470

NORTHWEST TERRITORIES
CANADA OIL AND GAS LAND REGULATIONS

100 50 0 100 200 metres
SCALE 1 : 5000

SURVEYED FOR
CONOCOPHILLIPS CANADA RESOURCES CORPORATION
BY: R. ROBINSON, C.L.S.
2013

-NAD 83 UTM COORDINATES ARE COMPUTED FOR ZONE 9, CENTRAL MERIDIAN 129°W.
-BEARINGS WERE DERIVED FROM GPS OBSERVATIONS.
-DISTANCES ARE EXPRESSED IN METRES AND DECIMALS THEREOF.
-DISTANCES SHOWN IN G.P.S. TRAVERSE ARE MEASURED DISTANCES
REDUCED TO THE HORIZONTAL AT GENERAL GROUND LEVEL UNLESS SHOWN OTHERWISE.
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REDUCED TO THE UTM PLANE BY MULTIPLYING THEM BY AN AVERAGE COMBINED
SCALE FACTOR OF 0.999682.
-NAD 83 UTM COORDINATES ARE CONVERTED TO NAD 27 USING NATIONAL TRANSFORMATION
VERSION 2.

Certified Correct and completed on the
4th day of April, 2013

R. Robinson
RON ROBINSON C.L.S.
April 4, 2013



-DISTANCES SHOWN ON GRID AREA SUBDIVISIONS ARE UTM PLANE.

C.L.S. 77 TYPE MONUMENTS FOUND. ●
C.L.S. 77 TYPE MONUMENTS PLACED. ○
TEMPORARY TRAVERSE POINTS SHOWN THUS (SPIKE 10") △

REFER TO FB39795 CLSR FOR THE SURVEY REPORT PERTAINING TO THIS SURVEY.

GROUND ELEVATION AT WELL CENTRE IS **252.44 metres.**
ELEVATION AT TOP OF FLANGE IS **253.40 metres.**
ELEVATIONS WERE DERIVED FROM GPS OBSERVATIONS.

THIS SURVEY WAS EXECUTED DURING THE PERIOD
JULY 17th, 2012 TO JULY 20th, 2012 AND MARCH 24th, 2013 BY RON ROBINSON, C.L.S.

CONOCOPHILLIPS CANADA RESOURCES CORPORATION

(SIGNATURE, TITLE) *Drilling Team Lead Exploration New Ventures*

(SIGNATURE) *R. Robinson*

WITNESS
May 28, 2013
DATE

TABLE OF CO-ORDINATES						
STATION	U.T.M. ZONE 9, C.M. 129 (NAD83)		U.T.M. ZONE 9, C.M. 129 (NAD27)		GEOGRAPHIC CO-ORDINATES (NAD27)	
	NORTHING	EASTING	NORTHING	EASTING	LATITUDE	LONGITUDE
SURVEYED CO-ORDINATES - Derived Using NRCAN PPP Website and Local Static Observations						
CLS 77 P-6-1, 2012	7220901.72	593577.76	7220705.57	593668.41		
CLS 77 P-6-2, 2012	7220676.36	593476.91	7220480.20	593567.56		
CLS 77 P-6-3, 2012	7220005.00	594026.36	7219808.81	594117.02		
GRID AREA						
N.E.			7228321.52	593716.87	65°10'	127°00'
N.W.			7227973.56	582004.79	65°10'	127°15'
S.E.			7209753.42	594304.93	65°00'	127°00'
S.W.			7209403.75	582519.34	65°00'	127°15'
O-6 N.E.			7220883.38	593585.17	65°06'00.02"	127°00'28.13"
O-6 N.W.			7220872.49	593218.25	65°06'00.05"	127°00'56.26"
O-6 S.E.			7220419.18	593599.82	65°05'45.02"	127°00'28.13"
O-6 S.W.			7220408.28	593232.84	65°05'45.05"	127°00'56.26"
WELL CENTRE						
O-6	7220814.48	593469.53	7220618.32	593560.18	65°05'51.49"	127°00'30.69"