

District I
1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

CONFIDENTIAL

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505

☐ AMENDED REPORT

☒ As-Drilled

RCVD SEP 2 '14

WELL LOCATION AND ACREAGE DEDICATION PLAT

OIL CONS. DIV.

*API Number 30-043-21133		*Pool Code 97232	*Pool Name BASIN MANCOS	DIST. 3
*Property Code 39120	*Property Name LYBROOK H26-2307			*Well Number 02H
*GRID No. 282327	*Operator Name ENCANA OIL & GAS (USA) INC.			*Elevation 7233'

10 Surface Location

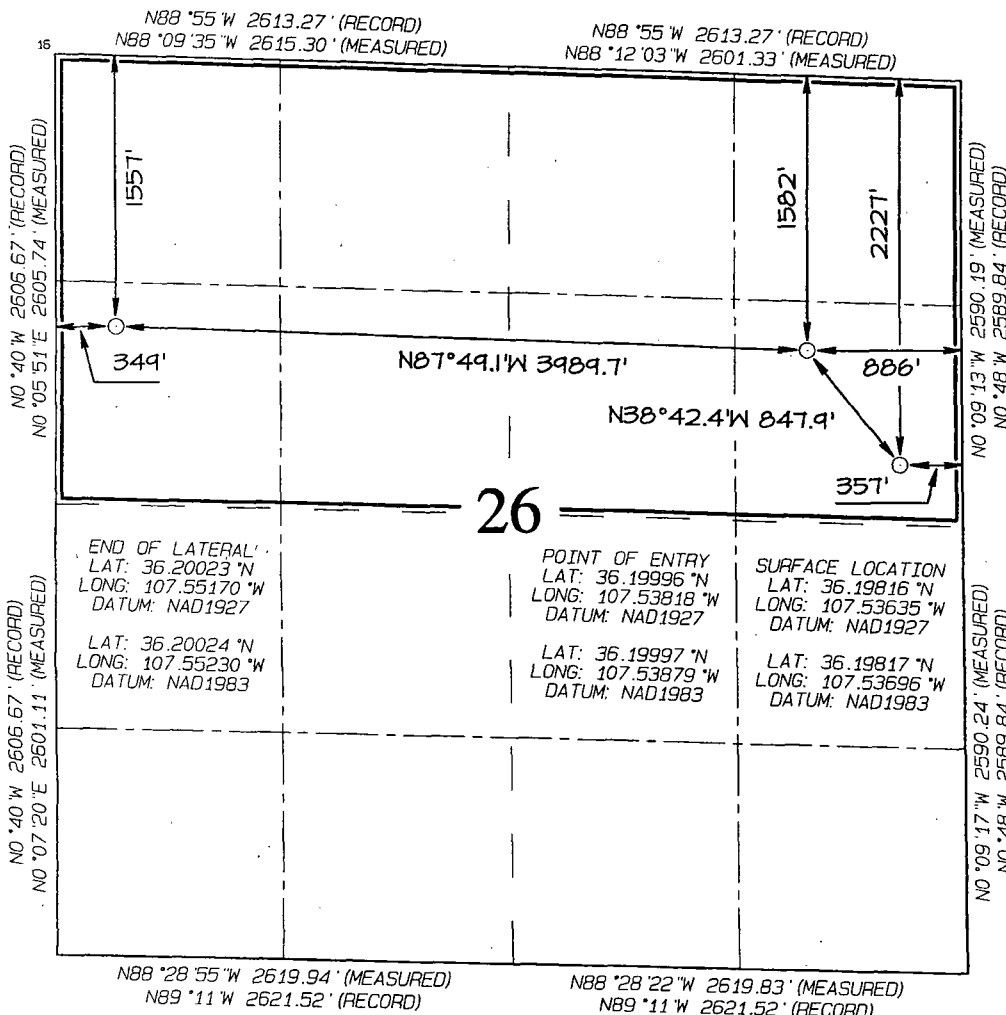
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	26	23N	7W		2227	NORTH	357	EAST	SANDOVAL

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	26	23N	7W		1557	NORTH	349	WEST	SANDOVAL

12 Dedicated Acres 320.0 Acres - (N/2)	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division.

Signature: Brenda R. Linster Date: 8.28.14

Printed Name: Brenda R. Linster

E-mail Address: Brenda.Linster@encana.com

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date Revised: AUGUST 18, 2014
Survey Date: OCTOBER 3, 2012

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

DEVIATION SURVEYS
Well Name: Lybrook H26-2307 02H ST
API: 30-043-21133

CONFIDENTIAL

MD (Feet)	Inclination (Degree)
682'	0.90
989'	1.00
1295'	0.40
1608'	1.10
1926'	0.10
2244'	0.50
2560'	0.40
2878'	0.40
3194'	0.40
3512'	0.40
3830'	0.60
4146'	0.60
4336'	15.60

RCVD SEP 2 '14

OIL CONS. DIV.
DIST. 3

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Cristi Bauer

Cristi Bauer, Operations Technician

8/28/14

Date

ACKNOWLEDGMENT

State of Colorado
City and County of Denver

This instrument was acknowledged before me on this 28 day of August, 2014 by Cristi Bauer as Attorney in Fact of Encana Oil & Gas (USA) Inc., on behalf of said corporation.

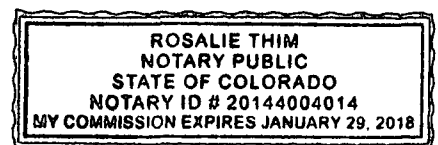
In witness whereof, I hereunto set my hand and official seal.

Notary Public:

Rosalie Thim

My Commission Expires:

1/29/18





Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Lybrook H26-2307 02H
Project:	Sandoval County, NM	TVD Reference:	KB @ 7249.0ft (Aztec)
Site:	Lybrook	MD Reference:	KB @ 7249.0ft (Aztec)
Well:	Lybrook H26-2307 02H	North Reference:	True
Wellbore:	STK	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Project	Sandoval County, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site	Lybrook				
Site Position:		Northing:	1,882,676.45ft	Latitude:	36.168210
From:	Lat/Long	Easting:	1,287,068.90 ft	Longitude:	-107.447150
Position Uncertainty:	0.0 ft	Slot Radius:	13.200in	Grid Convergence:	-0.71 °

Well	Lybrook H26-2307 02H					
Well Position	+N-S	0.0 ft	Northing:	1,893,922.34 ft	Latitude:	36.198170
	+E-W	0.0 ft	Easting:	1,260,703.90 ft	Longitude:	-107.536960
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	7,233.0 ft

Wellbore	STK				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/14/2014	9.42	62.98	50,192

Design	FINAL			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 4,207.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	279.40

Survey Program	Date	7/17/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
530.0	4,207.0	Survey #1 (OH)	MWD	Geolink MWD	
4,240.0	9,830.0	Survey #1 (STK)	Geolink MWD	Geolink MWD	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00		
530.0	0.40	17.60	530.0	1.8	0.6	-0.3	0.08	0.08		
560.0	0.30	69.30	560.0	1.9	0.7	-0.3	1.06	-0.33		
621.0	0.70	48.40	621.0	2.2	1.1	-0.7	0.71	0.66		
682.0	0.90	22.50	682.0	2.9	1.6	-1.1	0.67	0.33		
744.0	0.80	43.20	744.0	3.7	2.0	-1.4	0.52	-0.16		
805.0	0.70	37.30	805.0	4.3	2.6	-1.8	0.21	-0.16		
866.0	0.90	24.10	866.0	5.0	3.0	-2.1	0.44	0.33		
928.0	0.60	37.90	928.0	5.7	3.4	-2.4	0.56	-0.48		
989.0	1.00	18.30	989.0	6.4	3.7	-2.6	0.79	0.66		
1,050.0	0.80	38.80	1,050.0	7.3	4.2	-2.9	0.62	-0.33		
1,111.0	0.50	287.90	1,110.9	7.7	4.2	-2.9	1.78	-0.49		

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Site:	Lybrook	MD Reference:	KB @ 7249.0ft (Aztec)
Well:	Lybrook H26-2307 02H	North Reference:	True
Wellbore:	STK	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
1,172.0	0.50	322.10	1,171.9	8.0	3.8	-2.4	0.48	0.00	
1,233.0	0.70	288.40	1,232.9	8.3	3.3	-1.8	0.65	0.33	
1,295.0	0.40	317.70	1,294.9	8.6	2.7	-1.3	0.65	-0.48	
1,356.0	0.60	321.10	1,355.9	9.0	2.4	-0.9	0.33	0.33	
1,417.0	0.90	295.20	1,416.9	9.5	1.8	-0.2	0.73	0.49	
1,481.0	0.90	252.30	1,480.9	9.5	0.8	0.7	1.03	0.00	
1,544.0	0.60	194.10	1,543.9	9.0	0.3	1.2	1.23	-0.48	
1,608.0	1.10	200.80	1,607.9	8.1	0.0	1.3	0.80	0.78	
1,672.0	0.40	184.50	1,671.9	7.4	-0.3	1.5	1.13	-1.09	
1,735.0	0.30	141.30	1,734.9	7.0	-0.2	1.3	0.43	-0.16	
1,799.0	0.30	99.60	1,798.9	6.8	0.1	1.0	0.33	0.00	
1,862.0	0.00	187.20	1,861.9	6.8	0.3	0.9	0.48	-0.48	
1,926.0	0.10	158.90	1,925.9	6.8	0.3	0.8	0.16	0.16	
1,989.0	0.20	157.10	1,988.9	6.6	0.3	0.7	0.16	0.16	
2,053.0	0.50	144.20	2,052.9	6.3	0.6	0.5	0.48	0.47	
2,117.0	0.60	159.60	2,116.9	5.7	0.8	0.1	0.28	0.16	
2,181.0	0.40	250.80	2,180.9	5.4	0.7	0.1	1.14	-0.31	
2,244.0	0.50	279.60	2,243.9	5.3	0.3	0.6	0.39	0.16	
2,308.0	0.00	65.50	2,307.9	5.4	0.0	0.9	0.78	-0.78	
2,371.0	0.40	228.10	2,370.9	5.2	-0.2	1.0	0.63	0.63	
2,434.0	0.40	221.00	2,433.9	4.9	-0.5	1.3	0.08	0.00	
2,497.0	0.40	182.80	2,496.9	4.5	-0.6	1.4	0.42	0.00	
2,560.0	0.40	79.80	2,559.9	4.3	-0.4	1.1	0.99	0.00	
2,624.0	0.70	42.00	2,623.9	4.7	0.0	0.7	0.71	0.47	
2,688.0	0.60	46.60	2,687.9	5.2	0.6	0.3	0.18	-0.16	
2,751.0	0.50	80.60	2,750.9	5.5	1.1	-0.2	0.53	-0.16	
2,814.0	0.50	53.20	2,813.9	5.7	1.6	-0.6	0.38	0.00	
2,878.0	0.40	16.10	2,877.9	6.1	1.8	-0.8	0.47	-0.16	
2,941.0	0.20	81.10	2,940.9	6.3	2.0	-1.0	0.58	-0.32	
3,004.0	0.50	35.00	3,003.9	6.5	2.3	-1.2	0.62	0.48	
3,067.0	0.50	31.60	3,066.9	7.0	2.6	-1.4	0.05	0.00	
3,131.0	0.20	31.90	3,130.9	7.3	2.8	-1.5	0.47	-0.47	
3,194.0	0.40	30.00	3,193.9	7.6	3.0	-1.7	0.32	0.32	
3,258.0	0.30	300.70	3,257.9	7.9	2.9	-1.6	0.78	-0.16	
3,322.0	0.30	327.40	3,321.9	8.1	2.7	-1.3	0.22	0.00	
3,385.0	0.40	250.80	3,384.9	8.2	2.4	-1.0	0.70	0.16	
3,448.0	0.40	232.10	3,447.9	8.0	2.0	-0.7	0.21	0.00	
3,512.0	0.40	249.20	3,511.9	7.8	1.6	-0.3	0.19	0.00	
3,575.0	0.50	198.70	3,574.9	7.4	1.3	-0.1	0.63	0.16	
3,639.0	0.50	235.00	3,638.9	7.0	1.0	0.1	0.49	0.00	
3,702.0	0.50	39.80	3,701.9	7.0	1.0	0.2	1.57	0.00	
3,766.0	0.70	40.30	3,765.9	7.6	1.4	-0.1	0.31	0.31	
3,830.0	0.60	75.60	3,829.9	7.9	2.0	-0.6	0.63	-0.16	
3,893.0	0.60	91.20	3,892.9	8.0	2.6	-1.3	0.26	0.00	
3,956.0	0.60	88.60	3,955.8	8.0	3.3	-1.9	0.04	0.00	
4,019.0	0.80	78.20	4,018.8	8.1	4.0	-2.7	0.37	0.32	
4,083.0	0.70	128.30	4,082.8	8.0	4.8	-3.4	1.00	-0.16	
4,146.0	0.60	84.60	4,145.8	7.8	5.4	-4.1	0.78	-0.16	
4,207.0	0.60	55.51	4,206.8	8.0	6.0	-4.6	0.49	0.00	
4,240.0	1.30	25.50	4,239.8	8.4	6.3	-4.8	2.54	2.13	
4,282.0	8.80	11.10	4,281.6	12.0	7.1	-5.1	17.97	17.86	
4,314.0	12.80	4.30	4,313.1	17.9	7.9	-4.8	13.10	12.50	
4,336.0	15.60	0.20	4,334.4	23.3	8.1	-4.1	13.52	12.73	

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Lybrook H26-2307 02H
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Site:	Lybrook	MD Reference:	KB @ 7249.0ft (Aztec)
Well:	Lybrook H26-2307 02H	North Reference:	True
Wellbore:	STK	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
4,369.0	18.50	0.50	4,365.9	33.0	8.1	-2.6	8.79	8.79	
4,400.0	21.40	1.60	4,395.1	43.6	8.3	-1.1	9.43	9.35	
4,432.0	23.90	1.00	4,424.6	55.9	8.6	0.7	7.85	7.81	
4,463.0	26.90	0.70	4,452.6	69.2	8.8	2.6	9.69	9.68	
4,495.0	29.10	0.10	4,480.9	84.2	8.9	5.0	6.93	6.87	
4,527.0	30.50	358.80	4,508.6	100.1	8.7	7.7	4.82	4.37	
4,558.0	29.20	356.90	4,535.5	115.5	8.2	10.8	5.19	-4.19	
4,590.0	27.80	354.80	4,563.6	130.7	7.1	14.4	5.38	-4.37	
4,622.0	27.60	356.00	4,592.0	145.6	5.9	18.0	1.85	-0.62	
4,653.0	27.30	357.30	4,619.5	159.8	5.0	21.2	2.16	-0.97	
4,685.0	28.20	357.50	4,647.8	174.7	4.4	24.3	2.83	2.81	
4,717.0	29.50	357.60	4,675.8	190.2	3.7	27.4	4.07	4.06	
4,748.0	30.10	359.10	4,702.7	205.5	3.3	30.4	3.09	1.94	
4,780.0	29.60	359.40	4,730.5	221.5	3.0	33.2	1.63	-1.56	
4,811.0	29.80	358.40	4,757.4	236.8	2.7	36.0	1.72	0.65	
4,843.0	29.80	357.90	4,785.2	252.7	2.2	39.1	0.78	0.00	
4,875.0	30.50	357.80	4,812.8	268.8	1.6	42.3	2.19	2.19	
4,906.0	31.80	355.10	4,839.4	284.8	0.6	45.9	6.15	4.19	
4,938.0	32.90	351.80	4,866.4	301.8	-1.3	50.6	6.50	3.44	
4,970.0	33.70	348.10	4,893.2	319.1	-4.4	56.5	6.82	2.50	
5,001.0	34.60	344.90	4,918.8	336.0	-8.5	63.3	6.48	2.90	
5,033.0	36.20	341.30	4,944.9	353.7	-13.9	71.5	8.21	5.00	
5,064.0	37.80	337.70	4,969.7	371.2	-20.4	80.8	8.69	5.16	
5,096.0	39.50	334.00	4,994.7	389.4	-28.6	91.8	8.96	5.31	
5,128.0	40.70	330.10	5,019.1	407.6	-38.3	104.3	8.70	3.75	
5,159.0	42.10	325.60	5,042.4	424.9	-49.2	117.9	10.61	4.52	
5,191.0	43.90	321.30	5,065.8	442.5	-62.2	133.6	10.75	5.62	
5,222.0	44.30	316.30	5,088.1	458.7	-76.4	150.3	11.30	1.29	
5,254.0	45.10	311.70	5,110.8	474.3	-92.6	168.8	10.41	2.50	
5,285.0	46.20	309.10	5,132.5	488.7	-109.4	187.8	6.97	3.55	
5,317.0	47.70	306.20	5,154.3	502.9	-128.0	208.4	8.11	4.69	
5,348.0	49.00	303.80	5,174.9	516.2	-146.9	229.3	7.14	4.19	
5,380.0	50.30	300.80	5,195.7	529.2	-167.5	251.8	8.22	4.06	
5,412.0	51.40	298.80	5,215.9	541.6	-189.1	275.0	5.94	3.44	
5,443.0	52.60	296.70	5,235.0	552.9	-210.7	298.2	6.59	3.87	
5,475.0	54.10	294.30	5,254.1	564.0	-233.9	322.9	7.63	4.69	
5,506.0	55.30	293.00	5,272.0	574.1	-257.0	347.4	5.17	3.87	
5,538.0	56.20	291.70	5,290.0	584.2	-281.5	373.2	4.38	2.81	
5,570.0	57.90	290.30	5,307.4	593.8	-306.6	399.5	6.46	5.31	
5,601.0	60.00	289.10	5,323.4	602.8	-331.6	425.6	7.54	6.77	
5,633.0	61.90	287.20	5,338.9	611.5	-358.2	453.3	7.89	5.94	
5,664.0	63.80	286.00	5,353.1	619.3	-384.6	480.6	7.03	6.13	
5,696.0	65.40	285.70	5,366.8	627.2	-412.4	509.3	5.07	5.00	
5,728.0	67.60	284.60	5,379.5	634.9	-440.7	538.5	7.56	6.87	
5,759.0	70.10	283.10	5,390.7	641.8	-468.8	567.4	9.24	8.06	
5,791.0	73.00	282.40	5,400.9	648.5	-498.4	597.7	9.30	9.06	
5,886.0	80.60	280.30	5,422.5	666.7	-589.0	690.0	8.28	8.00	
5,925.0	83.50	280.60	5,427.9	673.7	-627.0	728.6	7.47	7.44	
5,956.0	84.70	278.90	5,431.1	678.9	-657.4	759.5	6.69	3.87	
5,988.0	86.40	277.50	5,433.6	683.5	-688.9	791.4	6.87	5.31	
6,020.0	89.00	276.00	5,434.9	687.2	-720.7	823.3	9.38	8.12	
6,051.0	89.30	274.20	5,435.3	690.0	-751.6	854.2	5.89	0.97	
6,083.0	89.70	272.40	5,435.6	691.8	-783.5	886.0	5.76	1.25	

Survey Report

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Site:	Lybrook	MD Reference:	KB @ 7249.0ft (Aztec)
Well:	Lybrook H26-2307 02H	North Reference:	True
Wellbore:	STK	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Survey									
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6,146.0	90.80	269.90	5,435.3	693.1	-846.5	948.4	4.34	1.75	
6,209.0	90.40	269.10	5,434.7	692.5	-909.5	1,010.4	1.42	-0.63	
6,273.0	91.40	269.80	5,433.7	691.9	-973.5	1,073.4	1.91	1.56	
6,336.0	90.30	268.00	5,432.7	690.7	-1,036.5	1,135.4	3.35	-1.75	
6,399.0	91.00	268.80	5,432.0	688.9	-1,099.4	1,197.2	1.69	1.11	
6,463.0	90.40	268.70	5,431.3	687.5	-1,163.4	1,260.1	0.95	-0.94	
6,526.0	90.90	271.70	5,430.5	687.8	-1,226.4	1,322.3	4.83	0.79	
6,589.0	90.30	272.40	5,429.9	690.0	-1,289.3	1,384.8	1.46	-0.95	
6,652.0	90.30	273.50	5,429.5	693.3	-1,352.3	1,447.4	1.75	0.00	
6,716.0	90.60	272.70	5,429.0	696.7	-1,416.2	1,511.0	1.33	0.47	
6,779.0	90.30	271.50	5,428.5	699.0	-1,479.1	1,573.5	1.96	-0.48	
6,842.0	90.10	270.70	5,428.3	700.2	-1,542.1	1,635.8	1.31	-0.32	
6,906.0	90.70	271.90	5,427.9	701.7	-1,606.1	1,699.2	2.10	0.94	
6,969.0	89.90	271.40	5,427.6	703.5	-1,669.1	1,761.6	1.50	-1.27	
7,032.0	90.20	271.20	5,427.5	704.9	-1,732.0	1,824.0	0.57	0.48	
7,096.0	91.50	272.00	5,426.5	706.7	-1,796.0	1,887.3	2.38	2.03	
7,159.0	89.40	269.80	5,426.1	707.7	-1,859.0	1,949.6	4.83	-3.33	
7,222.0	91.30	270.50	5,425.7	707.9	-1,922.0	2,011.8	3.21	3.02	
7,285.0	90.10	269.00	5,424.9	707.6	-1,985.0	2,073.9	3.05	-1.90	
7,349.0	90.30	268.40	5,424.7	706.2	-2,049.0	2,136.8	0.99	0.31	
7,412.0	90.60	269.00	5,424.2	704.7	-2,111.9	2,198.7	1.06	0.48	
7,475.0	90.40	268.90	5,423.6	703.6	-2,174.9	2,260.7	0.35	-0.32	
7,538.0	90.40	268.50	5,423.2	702.1	-2,237.9	2,322.6	0.63	0.00	
7,602.0	90.60	271.20	5,422.6	702.0	-2,301.9	2,385.7	4.23	0.31	
7,665.0	90.10	272.30	5,422.2	703.9	-2,364.9	2,448.1	1.92	-0.79	
7,728.0	90.40	272.60	5,422.0	706.6	-2,427.8	2,510.6	0.67	0.48	
7,792.0	92.30	273.80	5,420.5	710.2	-2,491.7	2,574.2	3.51	2.97	
7,855.0	91.10	273.50	5,418.6	714.2	-2,554.5	2,636.9	1.96	-1.90	
7,918.0	91.10	274.00	5,417.4	718.3	-2,617.4	2,699.6	0.79	0.00	
7,981.0	90.20	274.30	5,416.7	722.8	-2,680.2	2,762.3	1.51	-1.43	
8,045.0	90.00	272.70	5,416.6	726.8	-2,744.1	2,826.0	2.52	-0.31	
8,108.0	90.00	271.80	5,416.6	729.2	-2,807.0	2,888.5	1.43	0.00	
8,171.0	89.70	272.60	5,416.7	731.6	-2,870.0	2,951.0	1.36	-0.48	
8,234.0	90.70	272.40	5,416.5	734.4	-2,932.9	3,013.5	1.62	1.59	
8,298.0	90.10	271.30	5,416.1	736.5	-2,996.9	3,077.0	1.96	-0.94	
8,361.0	89.70	270.70	5,416.2	737.6	-3,059.9	3,139.3	1.14	-0.63	
8,424.0	91.20	271.50	5,415.7	738.8	-3,122.9	3,201.6	2.70	2.38	
8,487.0	90.10	270.90	5,415.0	740.1	-3,185.9	3,264.0	1.99	-1.75	
8,551.0	89.70	270.50	5,415.1	740.9	-3,249.9	3,327.2	0.88	-0.62	
8,614.0	91.10	270.80	5,414.6	741.6	-3,312.8	3,389.5	2.27	2.22	
8,677.0	90.00	270.80	5,414.0	742.5	-3,375.8	3,451.8	1.75	-1.75	
8,740.0	89.60	270.00	5,414.2	742.9	-3,438.8	3,514.0	1.42	-0.63	
8,803.0	90.70	270.00	5,414.1	742.9	-3,501.8	3,576.2	1.75	1.75	
8,867.0	89.80	269.80	5,413.8	742.8	-3,565.8	3,639.3	1.44	-1.41	
8,930.0	90.60	271.30	5,413.6	743.4	-3,628.8	3,701.5	2.70	1.27	
8,993.0	91.30	271.80	5,412.5	745.1	-3,691.8	3,763.9	1.37	1.11	
9,056.0	91.00	271.90	5,411.3	747.1	-3,754.7	3,826.4	0.50	-0.48	
9,119.0	89.20	270.20	5,411.2	748.3	-3,817.7	3,888.7	3.93	-2.86	
9,182.0	88.70	270.60	5,412.3	748.7	-3,880.7	3,950.9	1.02	-0.79	
9,245.0	88.30	270.00	5,414.0	749.1	-3,943.7	4,013.1	1.14	-0.63	
9,309.0	89.70	270.90	5,415.1	749.6	-4,007.7	4,076.3	2.60	2.19	
9,372.0	91.60	271.20	5,414.4	750.7	-4,070.7	4,138.6	3.05	3.02	
9,435.0	90.20	270.10	5,413.4	751.4	-4,133.7	4,200.9	2.83	-2.22	

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Lybrook H26-2307 02H
Project:	Sandoval County, NM	TVD Reference:	KB @ 7249.0ft (Aztec)
Site:	Lybrook	MD Reference:	KB @ 7249.0ft (Aztec)
Well:	Lybrook H26-2307 02H	North Reference:	True
Wellbore:	STK	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
9,498.0	90.50	270.00	5,413.0	751.5	-4,196.7	4,263.0	0.50	0.48	
9,561.0	90.00	270.20	5,412.7	751.6	-4,259.6	4,325.2	0.85	-0.79	
9,624.0	89.70	270.70	5,412.9	752.1	-4,322.6	4,387.4	0.93	-0.48	
9,688.0	89.10	270.90	5,413.6	753.0	-4,386.6	4,450.7	0.99	-0.94	
9,751.0	90.40	271.20	5,413.8	754.1	-4,449.6	4,513.0	2.12	2.06	
9,780.0	90.00	271.20	5,413.7	754.7	-4,478.6	4,541.7	1.38	-1.38	Last Cathedral Survey @ 9,780' MD
9,830.0	90.00	271.20	5,413.7	755.8	-4,528.6	4,591.2	0.00	0.00	PTB @ 9,830'

Targets

Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Lybrook H26-2307 02H I - actual wellpath misses target center by 24.2ft at 9830.0ft MD (5413.7 TVD, 755.8 N, -4528.6 E) - Point	0.00	0.00	5,428.1	761.3	-4,547.2	1,894,743.88	1,256,167.18	36.200260	-107.552370
Lybrook H26-2307 02H I - actual wellpath misses target center by 27.1ft at 5896.5ft MD (5424.2 TVD, 668.5 N, -599.2 E) - Point	0.00	0.00	5,441.9	688.1	-593.1	1,894,618.25	1,260,119.97	36.200060	-107.538970
Lybrook H26-2307 02H I - actual wellpath misses target center by 9.1ft at 5986.8ft MD (5433.5 TVD, 683.3 N, -687.7 E) - Point	0.00	0.00	5,442.0	680.0	-687.6	1,894,611.40	1,260,025.43	36.200038	-107.539290
Lybrook H26-2307 02H I - actual wellpath misses target center by 25.4ft at 9830.0ft MD (5413.7 TVD, 755.8 N, -4528.6 E) - Point	0.00	0.00	5,430.1	757.0	-4,548.0	1,894,739.61	1,256,166.35	36.200248	-107.552373

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
9,780.0	5,413.7	754.7	-4,478.6	Last Cathedral Survey @ 9,780' MD
9,830.0	5,413.7	755.8	-4,528.6	PTB @ 9,830'

Checked By: _____ Approved By: _____ Date: _____