

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

David R. Catanach Division Director
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-3 APD form.

Operator Signature Date: 2-5-15

Well information;

Operator Encana, Well Name and Number Lybrook T21 2306 # 1H

API# 30-043-21258, Section 21, Township 23 N/S, Range 6 E/W

Conditions of Approval:

(See the below checked and handwritten conditions)

- Notify Aztec OCD 24hrs prior to casing & cement.
- Hold C-104 for directional survey & "As Drilled" Plat
- Hold C-104 for NSI, NSP, DHC
- Spacing rule violation. Operator must follow up with change of status notification on other well to be shut in or abandoned
- Regarding the use of a pit, closed loop system or below grade tank, the operator must comply with the following as applicable:
 - A pit requires a complete C-144 be submitted and approved prior to the construction or use of the pit, pursuant to 19.15.17.8.A
 - A closed loop system requires notification prior to use, pursuant to 19.15.17.9.A
 - A below grade tank requires a registration be filed prior to the construction or use of the below grade tank, pursuant to 19.15.17.8.C
- Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
- Regarding Hydraulic Fracturing, review EPA Underground Injection Control Guidance 84
- Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.
- Well-bore communication is regulated under 19.15.29 NMAC. This requires well-bore Communication to be reported in accordance with 19.15.29.8.



NMOCD Approved by Signature

6-22-2015

Date

OIL CONS. DIV DIST. 3

Fom 3160-3
(March 2012)

JUN 15 2015

RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 06 2015

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
NMNM 112953 & Fee Mineral Tract

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA Agreement, Name and No.
N/A

8. Lease Name and Well No.
Lybrook I21-2306 01H

9. API Well No.
30-043-21258

10. Field and Pool, or Exploratory
Counselors Gallup-Dakota

11. Sec., T. R. M. or Blk. and Survey or Area
Section 21, T23N, R6W NMPM

12. County or Parish

13. State

1a. Type of work: DRILL REENTER

1b. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator Encana Oil & Gas (USA) Inc.

3a. Address 370 17th Street, Suite 1700
Denver, CO 80202

3b. Phone No. (include area code)
720-876-3740

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface 1408' FSL 264' FEL, Section 21, T23N, R6W

At proposed prod. zone 1940' FSL, 330' FWL, Section 21, T23N, R6W

NESE

NWSW

14. Distance in miles and direction from nearest town or post office*
+/- 54.9 miles South from the intersection of HWY 64 & US HWY 550 in Bloomfield, NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
BHL is 330' FWL Section 21, T23N, R6W

16. No. of acres in lease
NMNM 112953-1760 acres
Mineral Fee Lease- 40 acres

17. Spacing Unit dedicated to this well
320.00 acres- S/2 Section 21, T 23N, R6W

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
SHL is +/- 30' S of Lybrook I21-2306 02H is

19. Proposed Depth
5,716' TVD, 10,445' MD

20. BLM/BIA Bond No. on file
COB-000235

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
7,156' GL; 7,172' KB

22. Approximate date work will start*
07/01/2015

23. Estimated duration
20 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

25. Signature *Rosalie Thim*

Name (Printed/Typed)
Rosalie Thim

Date
2/5/15

Title
Regulatory Analyst

Approved by (Signature) *[Signature]*

Name (Printed/Typed)

Date
6/10/15

Title
AFM

Office
FFO

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

*(Instructions on page 2) AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

NMOCDA

DISTRICT I
 1625 N. French Dr., Hobbs, N.M. 88240
 Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
 811 S. First St., Artesia, N.M. 88210
 Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
 1000 Rio Brazos Rd., Aztec, N.M. 87410
 Phone: (505) 334-8178 Fax: (505) 334-8170

DISTRICT IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505
 Phone: (505) 476-3480 Fax: (505) 476-3482

State of New Mexico
 Energy, Minerals & Natural Resources Department

Form C-102
 Revised August 1, 2011

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

RECEIVED

FEB 06 2015

Farmington Field Office
 Bureau of Land Management

Submit one copy to appropriate
 District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-043-21258		² Pool Code 13379	³ Pool Name COUNSELORS GALLUP-DAKOTA
⁴ Property Code 314989	⁵ Property Name LYBROOK 121-2306		⁶ Well Number 01H
⁷ OGRID No. 282327	⁸ Operator Name ENCANA OIL & GAS (USA) INC.		⁹ Elevation 7156.3

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
I	21	23N	6W		1408'	SOUTH	264'	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
L	21	23N	6W		1940'	SOUTH	330'	WEST	SANDOVAL

¹² Dedicated Acres 320.00 ACRES S/2 SEC. 21	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

16

NORTHWEST CORNER
 LAT. 36.217598" N (NAD83)
 LONG. 107.482616" W (NAD83)
 LAT. 36.217584" N (NAD27)
 LONG. 107.482011" W (NAD27)

NORTHEAST CORNER
 LAT. 36.217621" N (NAD83)
 LONG. 107.464690" W (NAD83)
 LAT. 36.217607" N (NAD27)
 LONG. 107.464086" W (NAD27)

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.

Rosalie Thim 2/5/15
 Signature Date

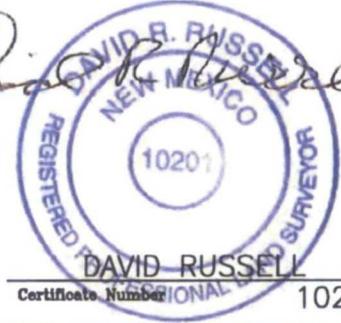
Rosalie Thim
 Printed Name

rosalie.thim@encana.com
 E-mail Address

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.

APRIL 15, 2014
 Date of Survey

Signature and Seal of Professional Surveyor:



Lybrook I21-2306 01H
 SHL: 1408' FSL, 264' FEL Sec 21 T23N R06W
 BHL: 1940' FSL, 330' FWL Sec 21 T23N R06W
 Sandoval, New Mexico

**Encana Oil & Gas (USA) Inc.
 Drilling Plan**

1. ESTIMATED TOPS OF GEOLOGICAL MARKERS (TVD)

The estimated tops of important geologic markers are as follows:

Formation	Depth (TVD) units = feet
San Jose Fn.	n/a
Nacimiento Fn.	surface
Ojo Alamo Ss.	1,629
Kirtland Shale	1,811
Fruitland Coal	1,970
Pictured Cliffs Ss.	2,190
Lewis Shale	2,315
Cliffhouse Ss.	2,999
Menefee Fn.	3,717
Point Lookout Ss.	4,437
Mancos Shale	4,649
Mancos Silt	5,240
Gallup Fn.	5,491
Base Gallup	5,793

The referenced surface elevation is 7156', KB 7172'

**2. ESTIMATED DEPTH OF POTENTIAL WATER, OIL, GAS,
 & OTHER MINERAL BEARING FORMATIONS**

Substance	Formation	Depth (TVD) units = feet
Water/Gas	Fruitland Coal	1,970
Oil/Gas	Pictured Cliffs Ss.	2,190
Oil/Gas	Cliffhouse Ss.	2,999
Gas	Menefee Fn.	3,717
Oil/Gas	Point Lookout Ss.	4,437
Oil/Gas	Mancos Shale	4,649
Oil/Gas	Mancos Silt	5,240
Oil/Gas	Gallup Fn.	5,491

All shows of fresh water and minerals will be reported and protected.

Lybrook I21-2306 01H

SHL: 1408' FSL, 264' FEL Sec 21 T23N R06W

BHL: 1940' FSL, 330' FWL Sec 21 T23N R06W

Sandoval, New Mexico

3. PRESSURE CONTROL

- a) Pressure control equipment and configuration will be designed to meet 2M standards.
- b) Working pressure on rams and BOPE will be 3,000 psi.
- c) Function test and visual inspection of the BOP will be conducted daily and noted in the IADC Daily Drilling Report.
- d) The Annular BOP will be pressure tested to a minimum of 50 percent of its rated working pressure.
- e) Blind and Pipe Rams/BOP will be tested against a test plug to 100 percent of rated working pressure.
- f) Pressure tests are required before drilling out from under all casing strings set and cemented in place.
- g) BOP controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned.
- h) BOP testing procedures and testing frequency will conform to Onshore Order No. 2.
- i) BOP remote controls shall be located on the rig floor at a location readily accessible to the driller. Master controls shall be on the ground at the accumulator and shall have the capability to function all preventers.
- j) The kill line shall be 2-inch minimum and contain two kill line valves, one of which shall be a check valve.
- k) The choke line shall be a 2-inch minimum and contain two choke line valves (2-inch minimum).
- l) The choke and manifold shall contain two adjustable chokes.
- m) Hand wheels shall be installed on all ram preventers.
- n) Safety valves and wrenches (with subs for drill string connections) shall be available on the rig floor at all times.
- o) Inside BOP or float sub shall also be available on the rig floor at all times.

Proposed BOP and choke manifold arrangements are attached.

4. CASING & CEMENTING PROGRAM

The proposed casing and cementing program has been designed to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. All indications of useable water shall be reported.

- a) The proposed casing design is as follows:

Casing	Depth (MD)	Hole Size	Csg Size	Weight	Grade
Conductor	0'-60'	26"	16"	42.09#	
Surface	0'-500'	12 1/4"	9 5/8"	36#	J55, STC New
Intermediate	0'-5798'	8 3/4"	7"	26#	J55, LTC New
Production Liner	5698'-10445'	6 1/8"	4 1/2"	11.6#	B80*, LTC New

Casing String				Casing Strength Properties			Minimum Design Factors		
Size	Weight (ppf)	Grade	Connection	Collapse (psi)	Burst (psi)	Tensile (1000lbs)	Collapse	Burst	Tension
9 5/8"	36	J55	STC	2020	3520	394	1.125	1.1	1.5
7"	26	J55	LTC	4320	4980	367	1.125	1.1	1.5
4.5"	11.6	B80	LTC	6350	7780	201	1.125	1.1	1.5

*B80 pipe specifications are attached

Casing design is subject to revision based on geologic conditions encountered

Lybrook I21-2306 01H

SHL: 1408' FSL, 264' FEL Sec 21 T23N R06W

BHL: 1940' FSL, 330' FWL Sec 21 T23N R06W

Sandoval, New Mexico

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or 1,500 psi, whichever is greater, but not to exceed 70 percent of the minimum internal yield. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.

b) The proposed cementing program is as follows:

Casing	Depth (MD)	Cement Volume (saks)	Cement Type & Yield	Designed TOC	Centralizers
Conductor	0'-60'	100 saks	Type I Neat 16 ppg	Surface	None
Surface	0'-500'	276 saks	Type III Cement + 1% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 0.2% bwoc FL-52A + 58.9% Fresh Water	Surface	1 per joint on bottom 3 joints
Intermediate	0'-5798'	100% open hole excess Stage 1 Lead: 773 saks Stage 1 Tail: 581 saks	Lead: PremLite + 3% CaCl + 0.25lb/sk CelloFlake + 5lb/sk LCM, 12.1ppg 2.13cuft/sk Tail: Type III Cmt + 1% CaCl + 0.25lb/sk Cello Flake 14.5ppg 1.38cuft/sk	Surface	1 every 3 joints through water bearing zones
Production Liner	5698'- 10445'	50% OH excess Stage 1 Blend Total: 270saks	Blend: Premium Lite High Strength FM + 0.7% bwoc R-3 + 3% bwow Potassium Chloride + 0.25lbs/sack Cello Flake + 0.5% bwoc CD-32 + 1.15% bwoc FL- 52A + 60 lbs/sack Calcium Carbonate + 124.4% Fresh Water. Yield 2.63 cuft/sk	Liner Hanger	N/A

Actual volumes will be calculated and determined by conditions onsite. All cement slurries will meet or exceed minimum BLM and New Mexico Oil Conservation Division requirements. Slurries used will be the slurries listed above or equivalent slurries depending on service provider selected. Cement yields may change depending on slurries selected

All waiting on cement times shall be a minimum of 8 hours or adequate to achieve minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

5. WELL PLAN & DIRECTIONAL DRILLING PROGRAM

The proposed horizontal well will have a kick off point of 4598'. Directional plans are attached.

Description	Proposed Depth (TVD/MD)	Formation
Horizontal Lateral TD	5716'/10445'	Gallup

Lybrook I21-2306 01H

SHL: 1408' FSL, 264' FEL Sec 21 T23N R06W

BHL: 1940' FSL, 330' FWL Sec 21 T23N R06W

Sandoval, New Mexico

6. DRILLING FLUIDS PROGRAM

a) Surface through Intermediate Casing Point:

Hole Size (in)	Depth (TVD/MD)	Mud Type	Density (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
30"	0-60'/60'	Fresh Water	8.3-9.2	38-100	4-28
12 1/4"	0'-500'/500'	Fresh Water	8.3-10	60-70	NC
8 3/4"	500'/500'-5608'/5798'	Fresh Water LSND	8.3-10	40-50	8-10

b) Intermediate Casing Point to TD:

Hole Size (in)	Depth (TVD/MD)	Mud Type	Density (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
6 1/8"	5608'/5798'- 5716'/10445'	Fresh Water LSND	8.3-10	15-25	<15

c) There will be sufficient mud on location to control a blowout should one occur. Mud flow and volume will be monitored both visually and with electronic pit volume totalizers. Mud tests shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.

✓d) A closed-loop system will be used to recover drilling fluid and dry cuttings in both phases of the well and on all hole intervals. Above-ground tanks will be utilized to hold cuttings and fluids for rig operations. A frac tank will be on location to store fresh water. Waste will be disposed of properly at an EPA-approved hazardous waste facility. Fresh water cuttings will be disposed of at Basin Disposal, Inc. and/or Industrial Ecosystems, Inc. The location will be lined in accordance with the Surface Use Plan of Operations.

7. TESTING, CORING, & LOGGING

- a) Drill Stem Testing - None anticipated.
- b) Coring - None anticipated.
- c) Mudd Logging - Mud loggers will be on location from kick off point to TD.
- d) Logging - See below

Cased Hole:

CBL/CCL/GR/VDL will be run as needed for perforating control

8. ABNORMAL PRESSURES & HYDROGEN SULFIDE

The anticipated bottom hole pressure is +/- 2691 psi based on a 9.0 ppg at 5749' TVD of the horizontal lateral target. No abnormal pressure or temperatures are anticipated.

No hydrogen sulfide gas is anticipated, however, if H₂S is encountered, the guidelines in Onshore Order No. 6 will be followed.

9. ANTICIPATED START DATE AND DURATION OF OPERATIONS

Drilling is estimated to commence on July 1, 2015. It is anticipated that completion operations will begin within 30 days after the well has been drilled depending on fracture treatment schedules with various pumping service companies.

It is anticipated that the drilling of this well will take approximately 20 days.

LOC: 1408' FSL, 264' FEL Sec 21 T23N R06V		Encana Natural Gas				ENG: Michael Sanch 1-30-15		
County: Sandoval		WELL SUMMARY				RIG: Unassigned		
WELL: Lybrook I21-2306 01H						GLE: 7156		
						RKBE: 7172		
MWD LWD	OPEN HOLE LOGGING	FORM	DEPTH		HOLE SIZE	CASING SPECS	MW MUD TYPE	DEVIATION INFORMATION
			TVD	MD				
			60	60'				
		San Jose Fn.	0		26	16" 42.09# 100sx Type I Neat 16.0ppg cmt	Fresh wtr 8.3-9.2	
Multi-Well pad - take survey every stand and run anti-collision report prior to spud	None	Nacimiento Fn. 9 5/8" Csg	surface 500	500.00	12 1/4	9 5/8" 36ppf J55 STC TOC Surface with 100% OH Excess: 276 sks Type III Cement + 1% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 0.2% bwoc FL-52A + 58.9% Fresh Water.	Fresh wtr 8.3-10	Vertical <1°
Survey Every 60'-120', updating anticollision report after surveys. Stop operations and contact drilling engineer if separation factor approaches 1.5	No OH logs	Ojo Alamo Ss. Kirtland Shale Fruitland Coal Pictured Cliffs Ss. Lewis Shale Cliffhouse Ss. Menefee Fn. Point Lookout Ss. Mancos Shale	1,629 1,811 1,970 2,190 2,315 2,999 3,717 4,437 4,649		8 3/4	7" 26ppf J55 LTC TOC @ surface (100% OH excess - 70% Lead 30% Tail) Stage 1 Total: 1354sks Stage 1 Lead: 773 sks Premium Lite FM + 3% CaCl2 + 0.25/sk Cello Flake + 5#/sk LCM-1 + 8% Bentonite + 0.4% FL-52A + 0.4% Sodium Metasilicate. Mixed at 12.1 ppg. Yield 2.13 cuft/sk. Stage 1 Tail: 581 sks Type III Cement + 1% CaCl2 + 0.25#/sk Cello Flake + 0.2% FL-52A. Mixed at 14.6 ppg. Yield 1.38 cuft/sk.	Fresh Wtr 8.3-10	Vertical <1°
Surveys every 30' through the curve	Mud logger onsite	KOP Mancos Silt Gallup Fn. 7" Csg	4,598 5,240 5,491 5,608	4,598 5,798'				
Surveys every stand to TD unless directed otherwise by Geologist	No OH Logs	Horizontal Target TD Base Gallup	5,749 5,716 5,793	10,445	6 1/8	100' overlap at liner top 4647' Drilled Lateral		Horz Inc/TVD 90.4deg/5749ft TD = 10445 MD
MWD Gamma Directional						4 1/2" 11.6ppf SB80 LTC TOC @ hanger (50% OH excess) Stage 1 Total: 270sks Stage 1 Blend: 270 sks Premium Lite High Strength FM + 0.7% bwoc R-3 + 3% bwoc Potassium Chloride + 0.25lbs/sack Cello Flake + 0.5% bwoc CD-32 + 1.15% bwoc FL- 52A + 60 lbs/sack Calcium Carbonate + 124.4% Fresh Water. Yield 2.63 cuft/sk.	WBM 8.3-10	

NOTES:

- 1) Drill with 26" bit to 60', set 16" 42.09ppf conductor pipe
- 2) Drill surface to 500', R&C 9 5/8" casing
- 3) N/U BOP and surface equipment
- 4) Drill to KOP of 4598', 8 3/4 inch holedsize
- 5) Start curve at 10deg/100' build rate
- 6) Drill to csg point of 5798' MD
- 7) R&C 7" csg, circ cmt to surface
- 8) Land at ~90 deg, drill lateral to 10445' run 4 1/2 inch cemented liner



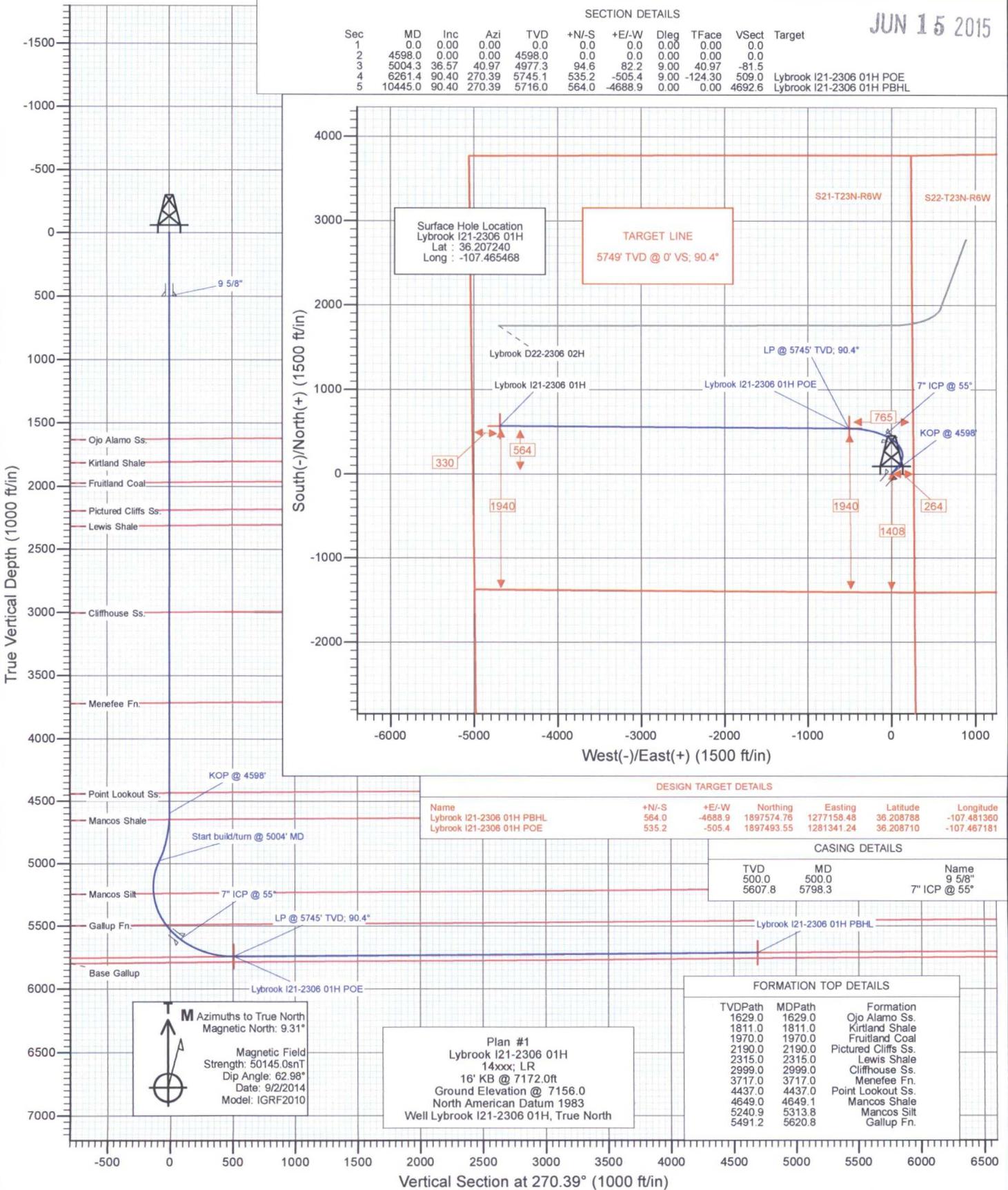
Project: Sandoval County, NM
 Site: S21-T23N-R6W
 Well: Lybrook I21-2306 01H
 Wellbore: HZ
 Design: Plan #1



JUN 15 2015

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4598.0	0.00	0.00	4598.0	0.0	0.0	0.00	0.00	0.0	
3	5004.3	36.57	40.97	4977.3	94.6	82.2	9.00	40.97	-81.5	
4	6261.4	90.40	270.39	5745.1	535.2	-505.4	9.00	-124.30	509.0	Lybrook I21-2306 01H POE
5	10445.0	90.40	270.39	5716.0	564.0	-4688.9	0.00	0.00	4692.6	Lybrook I21-2306 01H PBHL



DESIGN TARGET DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Lybrook I21-2306 01H PBHL	564.0	-4688.9	1897574.76	1277158.48	36.208788	-107.481360
Lybrook I21-2306 01H POE	535.2	-505.4	1897493.55	1281341.24	36.208710	-107.467181

CASING DETAILS

TVD	MD	Name
500.0	500.0	9 5/8"
5607.8	5798.3	7" ICP @ 55"

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1629.0	1629.0	Ojo Alamo Ss.
1811.0	1811.0	Kirtland Shale
1970.0	1970.0	Fruitland Coal
2190.0	2190.0	Pictured Cliffs Ss.
2315.0	2315.0	Lewis Shale
2999.0	2999.0	Cliffhouse Ss.
3717.0	3717.0	Menefee Fn.
4437.0	4437.0	Point Lookout Ss.
4649.0	4649.1	Mancos Shale
5240.9	5313.8	Mancos Silt
5491.2	5620.8	Gallup Fn.



Plan #1
 Lybrook I21-2306 01H
 14xxx; LR
 16' KB @ 7172.0ft
 Ground Elevation @ 7156.0
 North American Datum 1983
 Well Lybrook I21-2306 01H, True North

Vertical Section at 270.39° (1000 ft/in)

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Lybrook I21-2306 01H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	16' KB @ 7172.0ft
Project:	Sandoval County, NM	MD Reference:	16' KB @ 7172.0ft
Site:	S21-T23N-R6W	North Reference:	True
Well:	Lybrook I21-2306 01H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
Design:	Plan #1		

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	S21-T23N-R6W				
Site Position:		Northing:	1,896,952.08 ft	Latitude:	36.207240
From:	Lat/Long	Easting:	1,281,839.91 ft	Longitude:	-107.465468
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-0.72 °

Well	Lybrook I21-2306 01H					
Well Position	+N/-S	0.0 ft	Northing:	1,896,952.08 ft	Latitude:	36.207240
	+E/-W	0.0 ft	Easting:	1,281,839.91 ft	Longitude:	-107.465468
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	7,156.0 ft

Wellbore	HZ				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/2/2014	9.31	62.98	50,145

Design	Plan #1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	270.39	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,598.0	0.00	0.00	4,598.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,004.3	36.57	40.97	4,977.3	94.6	82.2	9.00	9.00	0.00	40.97	
6,261.4	90.40	270.39	5,745.1	535.2	-505.4	9.00	4.28	-10.39	-124.30	Lybrook I21-2306 01H
10,445.0	90.40	270.39	5,716.0	564.0	-4,688.9	0.00	0.00	0.00	0.00	Lybrook I21-2306 01H

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Lybrook I21-2306 01H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	16' KB @ 7172.0ft
Project:	Sandoval County, NM	MD Reference:	16' KB @ 7172.0ft
Site:	S21-T23N-R6W	North Reference:	True
Well:	Lybrook I21-2306 01H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	9 5/8"
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	
1,629.0	0.00	0.00	1,629.0	0.0	0.0	0.0	0.00	0.00	Ojo Alamo Ss.
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	
1,811.0	0.00	0.00	1,811.0	0.0	0.0	0.0	0.00	0.00	Kirtland Shale
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	
1,970.0	0.00	0.00	1,970.0	0.0	0.0	0.0	0.00	0.00	Fruitland Coal
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	
2,190.0	0.00	0.00	2,190.0	0.0	0.0	0.0	0.00	0.00	Pictured Cliffs Ss.
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	
2,315.0	0.00	0.00	2,315.0	0.0	0.0	0.0	0.00	0.00	Lewis Shale
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	
2,999.0	0.00	0.00	2,999.0	0.0	0.0	0.0	0.00	0.00	Cliffhouse Ss.
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	
3,717.0	0.00	0.00	3,717.0	0.0	0.0	0.0	0.00	0.00	Menefee Fn.
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Lybrook I21-2306 01H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	16' KB @ 7172.0ft
Project:	Sandoval County, NM	MD Reference:	16' KB @ 7172.0ft
Site:	S21-T23N-R6W	North Reference:	True
Well:	Lybrook I21-2306 01H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,437.0	0.00	0.00	4,437.0	0.0	0.0	0.0	0.00	0.00	Point Lookout Ss.
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	
4,598.0	0.00	0.00	4,598.0	0.0	0.0	0.0	0.00	0.00	KOP @ 4598'
4,600.0	0.18	40.97	4,600.0	0.0	0.0	0.0	9.00	9.00	
4,649.1	4.60	40.97	4,649.0	1.5	1.3	-1.3	9.00	9.00	Mancos Shale
4,700.0	9.18	40.97	4,699.6	6.2	5.3	-5.3	9.00	9.00	
4,800.0	18.18	40.97	4,796.6	24.0	20.8	-20.7	9.00	9.00	
4,900.0	27.18	40.97	4,888.8	53.1	46.1	-45.7	9.00	9.00	
5,000.0	36.19	40.97	4,973.8	92.7	80.5	-79.9	9.00	9.00	
5,004.3	36.57	40.97	4,977.3	94.6	82.2	-81.5	9.00	9.00	Start build/turn @ 5004' MD
5,100.0	32.40	27.61	5,056.2	139.0	112.8	-111.9	9.00	-4.36	
5,200.0	29.88	10.85	5,142.0	187.3	129.9	-128.7	9.00	-2.52	
5,300.0	29.72	352.68	5,228.9	236.4	131.5	-129.9	9.00	-0.16	
5,313.8	29.89	350.21	5,240.9	243.2	130.5	-128.8	9.00	1.25	Mancos Silt
5,400.0	31.96	335.62	5,315.0	285.2	117.4	-115.4	9.00	2.40	
5,500.0	36.15	321.34	5,397.9	332.5	87.9	-85.7	9.00	4.19	
5,600.0	41.70	310.02	5,475.8	377.0	44.0	-41.4	9.00	5.55	
5,620.8	42.98	307.98	5,491.2	385.8	33.1	-30.4	9.00	6.14	Gallup Fn.
5,700.0	48.13	301.08	5,546.7	417.7	-13.5	16.4	9.00	6.51	
5,798.3	55.00	293.95	5,607.8	453.0	-81.8	84.9	9.00	6.99	7" ICP @ 55°
5,800.0	55.12	293.83	5,608.8	453.5	-83.1	86.1	9.00	7.20	
5,900.0	62.47	287.76	5,660.6	483.7	-163.0	166.3	9.00	7.35	
6,000.0	70.06	282.46	5,700.8	507.4	-251.3	254.7	9.00	7.59	
6,100.0	77.79	277.65	5,728.5	524.1	-345.8	349.4	9.00	7.73	
6,200.0	85.59	273.12	5,742.9	533.3	-444.2	447.8	9.00	7.81	
6,261.4	90.40	270.39	5,745.1	535.2	-505.4	509.0	9.00	7.83	LP @ 5745' TVD; 90.4°
6,300.0	90.40	270.39	5,744.8	535.5	-544.1	547.7	0.00	0.00	
6,400.0	90.40	270.39	5,744.1	536.1	-644.1	647.7	0.00	0.00	
6,500.0	90.40	270.39	5,743.4	536.8	-744.0	747.7	0.00	0.00	
6,600.0	90.40	270.39	5,742.7	537.5	-844.0	847.7	0.00	0.00	
6,700.0	90.40	270.39	5,742.0	538.2	-944.0	947.7	0.00	0.00	
6,800.0	90.40	270.39	5,741.4	538.9	-1,044.0	1,047.7	0.00	0.00	
6,900.0	90.40	270.39	5,740.7	539.6	-1,144.0	1,147.7	0.00	0.00	
7,000.0	90.40	270.39	5,740.0	540.3	-1,244.0	1,247.7	0.00	0.00	
7,100.0	90.40	270.39	5,739.3	541.0	-1,344.0	1,347.7	0.00	0.00	
7,200.0	90.40	270.39	5,738.6	541.6	-1,444.0	1,447.7	0.00	0.00	
7,300.0	90.40	270.39	5,737.9	542.3	-1,544.0	1,547.7	0.00	0.00	
7,400.0	90.40	270.39	5,737.2	543.0	-1,644.0	1,647.7	0.00	0.00	
7,500.0	90.40	270.39	5,736.5	543.7	-1,744.0	1,747.7	0.00	0.00	
7,600.0	90.40	270.39	5,735.8	544.4	-1,844.0	1,847.7	0.00	0.00	
7,700.0	90.40	270.39	5,735.1	545.1	-1,944.0	1,947.7	0.00	0.00	
7,800.0	90.40	270.39	5,734.4	545.8	-2,044.0	2,047.7	0.00	0.00	
7,900.0	90.40	270.39	5,733.7	546.5	-2,144.0	2,147.7	0.00	0.00	
8,000.0	90.40	270.39	5,733.0	547.1	-2,244.0	2,247.6	0.00	0.00	
8,100.0	90.40	270.39	5,732.3	547.8	-2,344.0	2,347.6	0.00	0.00	
8,200.0	90.40	270.39	5,731.6	548.5	-2,444.0	2,447.6	0.00	0.00	
8,300.0	90.40	270.39	5,730.9	549.2	-2,544.0	2,547.6	0.00	0.00	
8,400.0	90.40	270.39	5,730.2	549.9	-2,644.0	2,647.6	0.00	0.00	
8,500.0	90.40	270.39	5,729.5	550.6	-2,744.0	2,747.6	0.00	0.00	
8,600.0	90.40	270.39	5,728.8	551.3	-2,843.9	2,847.6	0.00	0.00	
8,700.0	90.40	270.39	5,728.1	552.0	-2,943.9	2,947.6	0.00	0.00	
8,800.0	90.40	270.39	5,727.4	552.6	-3,043.9	3,047.6	0.00	0.00	

Planning Report

Database: USA EDM 5000 Multi Users DB	Local Co-ordinate Reference: Well Lybrook I21-2306 01H
Company: EnCana Oil & Gas (USA) Inc	TVD Reference: 16' KB @ 7172.0ft
Project: Sandoval County, NM	MD Reference: 16' KB @ 7172.0ft
Site: S21-T23N-R6W	North Reference: True
Well: Lybrook I21-2306 01H	Survey Calculation Method: Minimum Curvature
Wellbore: HZ	
Design: Plan #1	

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
8,900.0	90.40	270.39	5,726.7	553.3	-3,143.9	3,147.6	0.00	0.00	
9,000.0	90.40	270.39	5,726.1	554.0	-3,243.9	3,247.6	0.00	0.00	
9,100.0	90.40	270.39	5,725.4	554.7	-3,343.9	3,347.6	0.00	0.00	
9,200.0	90.40	270.39	5,724.7	555.4	-3,443.9	3,447.6	0.00	0.00	
9,300.0	90.40	270.39	5,724.0	556.1	-3,543.9	3,547.6	0.00	0.00	
9,400.0	90.40	270.39	5,723.3	556.8	-3,643.9	3,647.6	0.00	0.00	
9,500.0	90.40	270.39	5,722.6	557.5	-3,743.9	3,747.6	0.00	0.00	
9,600.0	90.40	270.39	5,721.9	558.1	-3,843.9	3,847.6	0.00	0.00	
9,700.0	90.40	270.39	5,721.2	558.8	-3,943.9	3,947.6	0.00	0.00	
9,800.0	90.40	270.39	5,720.5	559.5	-4,043.9	4,047.6	0.00	0.00	
9,900.0	90.40	270.39	5,719.8	560.2	-4,143.9	4,147.6	0.00	0.00	
10,000.0	90.40	270.39	5,719.1	560.9	-4,243.9	4,247.6	0.00	0.00	
10,100.0	90.40	270.39	5,718.4	561.6	-4,343.9	4,347.6	0.00	0.00	
10,200.0	90.40	270.39	5,717.7	562.3	-4,443.9	4,447.6	0.00	0.00	
10,300.0	90.40	270.39	5,717.0	563.0	-4,543.9	4,547.6	0.00	0.00	
10,400.0	90.40	270.39	5,716.3	563.7	-4,643.9	4,647.6	0.00	0.00	
10,445.0	90.40	270.39	5,716.0	564.0	-4,688.9	4,692.6	0.00	0.00	TD at 10445.0

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Lybrook I21-2306 01H P - plan hits target center - Point	0.00	0.00	5,716.0	564.0	-4,688.9	1,897,574.76	1,277,158.48	36.208788	-107.481360
Lybrook I21-2306 01H P - plan hits target center - Point	0.00	0.00	5,745.1	535.2	-505.4	1,897,493.55	1,281,341.24	36.208710	-107.467181

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
500.0	500.0	9 5/8"	0.000	0.000	
5,798.3	5,607.8	7" ICP @ 55°	0.000	0.000	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Lybrook I21-2306 01H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	16' KB @ 7172.0ft
Project:	Sandoval County, NM	MD Reference:	16' KB @ 7172.0ft
Site:	S21-T23N-R6W	North Reference:	True
Well:	Lybrook I21-2306 01H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,629.0	1,629.0	Ojo Alamo Ss.		-0.40	270.39	
1,811.0	1,811.0	Kirtland Shale		-0.40	270.39	
1,970.0	1,970.0	Fruitland Coal		-0.40	270.39	
2,190.0	2,190.0	Pictured Cliffs Ss.		-0.40	270.39	
2,315.0	2,315.0	Lewis Shale		-0.40	270.39	
2,999.0	2,999.0	Cliffhouse Ss.		-0.40	270.39	
3,717.0	3,717.0	Menefee Fn.		-0.40	270.39	
4,437.0	4,437.0	Point Lookout Ss.		-0.40	270.39	
4,649.1	4,649.0	Mancos Shale		-0.40	270.39	
5,313.8	5,240.0	Mancos Silt		-0.40	270.39	
5,620.8	5,491.0	Gallup Fn.		-0.40	270.39	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
4,598.0	4,598.0	0.0	0.0	KOP @ 4598'	
5,004.3	4,977.3	94.6	82.2	Start build/turn @ 5004' MD	
6,261.4	5,745.1	535.2	-505.4	LP @ 5745' TVD; 90.4°	
10,445.0	5,716.0	564.0	-4,688.9	TD at 10445.0	

Lybrook I21-2306 01H

**SHL: NESE Section 21, T23N, R6W
1408 FSL and 264 FEL**

**BHL: NSW Section 21, T23N, R6W
1940 FSL and 330 FWL**

Sandoval County, New Mexico

Lease Number: NMNM 112953 & FEE MINERAL TRACT

Topsoil will not be stripped when soils are moisture-saturated or frozen below the stripping depth.

If the location becomes prone to wind or water erosion, Encana will take appropriate measures to prevent topsoil loss from wind. Such measures may include using tackifiers or water to wet the topsoil stockpile so that a crust is created across the exposed soil to prevent soil loss.

3. All construction materials for the well pad will consist of native borrow and subsoil accumulated during well pad construction. If additional fill or surfacing material is required, it will be obtained from existing permitted or private sources and will be hauled in by trucks over existing access roads.

The maximum cut will be approximately 7.5 feet between corner 2 and corner 3. The maximum fill will be approximately 9.3 feet on corner 6.

4. As determined during the onsite on July 24, 2014, the following best management practices will be implemented:
 - a. Water will be diverted around the pad center right around corner 2 and toward corner 6.
Water will be diverted around the pad center right around corner 3 and toward corner 6.
 - b. Silt traps will be constructed where needed upon interim reclamation.
5. Construction equipment may include chain saws, a brush hog, scraper, maintainer, excavator, and dozer. Construction for the access road and well pad will take approximately 4 weeks.

C. Pipeline

See Standard Form 299 Application for authorization to construct, operate, maintain and terminate a 9624 foot, up to 6-inch outside diameter, buried steel well connect pipeline that was submitted to the Bureau of Land Management on June 26, 2014.

7. METHODS FOR HANDLING WASTE

A. Cuttings

- ✓ 1. A closed-loop system will be used. Cuttings will be moved through a shaker system on the drill rig that separates drilling fluids from the cuttings. Cuttings will be stored onsite in above-ground storage tanks. Cuttings will be pulled from the storage tanks, mixed with saw dust or similar absorbent material, and disposed of at the Envirotech, Inc. and/or Industrial Ecosystem, Inc. waste disposal facilities.
2. The closed-loop system storage tanks will be adequately sized to ensure confinement of all fluids and will provide sufficient freeboard to prevent uncontrolled releases.
3. A 20-mil liner will be installed under tanks, pumps, ancillary facilities, and truck loading/unloading areas associated with the closed-loop system.

B. Drilling Fluids

1. A closed-loop system will be used. Drilling fluids will be stored onsite in above-ground storage tanks. Upon termination of drilling operations, the drilling fluids will be recycled and transferred to other permitted closed-loop systems or returned to the vendor for reuse, as practical. Residual fluids will be vacuumed from the storage tanks and disposed of at Basin Disposal, Inc. and/or Industrial Ecosystem, Inc. waste disposal facilities.

ENCANA OIL & GAS (USA) INC.

LYBROOK I21-2306 #01H
1408' FSL & 264' FEL
LOCATED IN THE NE/4 SE/4 OF SECTION 21,
T23N, R6W, N.M.P.M.,
SANDOVAL COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM THE INTERSECTION OF HWY 64 & HWY 550 IN BLOOMFIELD, GO SOUTH ON HWY 550, 50.7 MILES (M.P. 100.9).
- 2) TURN RIGHT AND GO 2.1 MILES TO "T" INTERSECTION.
- 3) CONTINUE RIGHT AND GO 1.0 MILE TO GATE / "Y" INTERSECTION.
- 4) CONTINUE RIGHT AND GO 0.8 MILES.
- 5) TURN LEFT AND GO 0.3 MILES WHERE ACCESS IS STAKED ON LEFT SIDE OF ROAD.

WELL FLAG LOCATED AT LAT. 36.207240° N, LONG. 107.465468° W (NAD 83).



WELLHEAD BLOWOUT CONTROL SYSTEM

encana

Well Name and Number:
Lybrook I21-2306 01H

