State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary-Designate

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

Jami Bailey, 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: 2/11/14
Well information;
Operator ENCANA, Well Name and Number Lybrook M11-2308 1H
API# 30-045-35514, Section 11, Township 23 (N)/S, Range 8 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 (NSL, NSP, DHC)
- o Spacing rule violation. Operator must follow up with change of status notification on other well to be shut in or abandoned
- o 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
- o 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
- ✓ 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.

Charlie Perrin
NMOCD Approved by Signature

6-11-2014
Date

CONFIDENTIAL

RECEIVED
FEB 13 2014
Farmington Field Office
Bureau of Land Management

Form 3160-3
(August 2007)

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
NMNM 118132

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

1a. Type of work: ☑ DRILL ☐ REENTER

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

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

8. Lease Name and Well No.
Lybrook M11-2308 01H

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

9. API Well No.
30-045-35514

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

3b. Phone No. *(include area code)*
720-876-3533

10. Field and Pool, or Exploratory
Nageezi Gallup & Basin Mancos Gas

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface 362' FSL and 203' FWL Section 11, T23N, R8W
At proposed prod. zone 430' FSL and 330' FWL Section 10, T23N, R8W

11. Sec., T. R. M. or Blk. and Survey or Area
Section 11, T23N, R8W NMPM

14. Distance in miles and direction from nearest town or post office*
+/- 46.1 miles southwest of the intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM

12. County or Parish
San Juan

13. State
NM

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

16. No. of acres in lease
NMNM 118132 - 2,320 ac.

17. Spacing Unit dedicated to this well
160.0 acres - S/2 S/2 Section 10, T23N, R8W

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
Federal 15-41 is +/- 1637' south of SHL

19. Proposed Depth
5,265' TVD/10,169' MD

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

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
6,905' GL, 6,921' KB

22. Approximate date work will start*
10/22/2014

23. Estimated duration
25 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:

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

25. Signature Katie Wegner — Name *(Printed/Typed)* Katie Wegner — Date 2/11/14

Title
Regulatory Analyst

OIL CONS. DIV DIST. 3

JUN 2 2014

Approved by *(Signature)* — Name *(Printed/Typed)* — Date 5/30/14

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)

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

NMOCD

RECEIVED
FEB 13 2014
Farmington Field Office
Bureau of Land Management

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) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-045-35514	47540 / 97232	NAGEEZI GALLUP / BASIN MANCOS GAS

4 Property Code	5 Property Name	6 Well Number
313322	LYBROOK M11-2308	01H

7 OGRID No.	8 Operator Name	9 Elevation
282327	ENCANA OIL & GAS (USA) INC.	6905.3'

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
M	11	23N	8W		362'	SOUTH	203'	WEST	SAN JUAN

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
M	10	23N	8W		430'	SOUTH	330'	WEST	SAN JUAN

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
160.00 ACRES - S/2 S/2 SEC. 10			

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

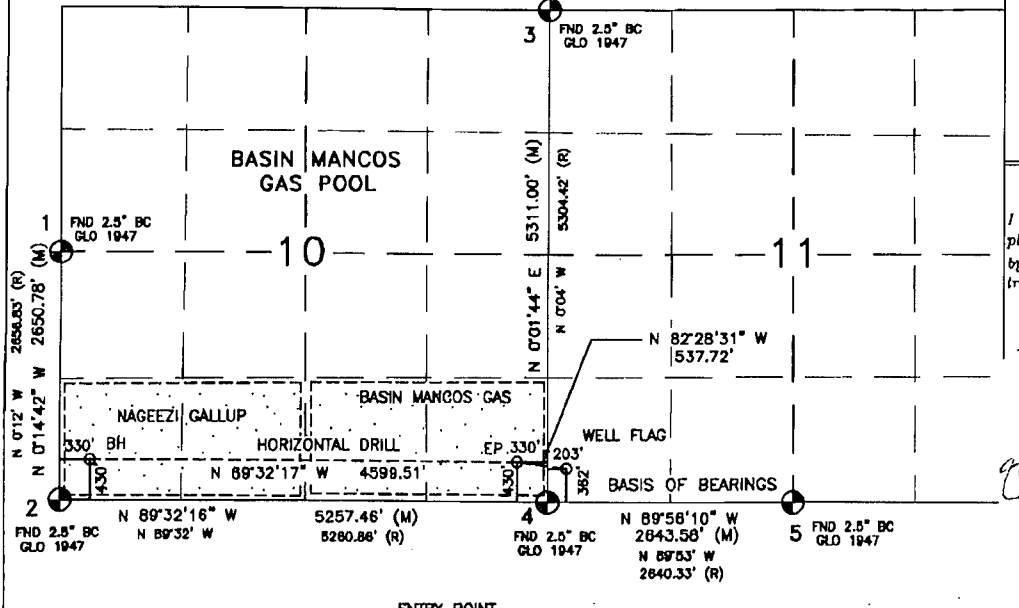
1 LAT. 36.24896° N (NAD83)
LONG. 107.67788° W (NAD83)
LAT. 36.24897° N (NAD27)
LONG. 107.67849° W (NAD27)

2 LAT. 36.24188° N (NAD83)
LONG. 107.67785° W (NAD83)
LAT. 36.24189° N (NAD27)
LONG. 107.67846° W (NAD27)

3 LAT. 36.24889° N (NAD83)
LONG. 107.64217° W (NAD83)
LAT. 36.24890° N (NAD27)
LONG. 107.64278° W (NAD27)

4 LAT. 36.23427° N (NAD83)
LONG. 107.65103° W (NAD83)
LAT. 36.23428° N (NAD27)
LONG. 107.65164° W (NAD27)

5 LAT. 36.24891° N (NAD83)
LONG. 107.66895° W (NAD83)
LAT. 36.24892° N (NAD27)
LONG. 107.66956° W (NAD27)



BOTTOM HOLE
LAT. 36.23557° N (NAD83)
LONG. 107.67670° W (NAD83)
LAT. 36.23558° N (NAD27)
LONG. 107.67731° W (NAD27)

ENTRY POINT
LAT. 36.23547° N (NAD83)
LONG. 107.66111° W (NAD83)
LAT. 36.23548° N (NAD27)
LONG. 107.66172° W (NAD27)

WELL FLAG
LAT. 36.23528° N (NAD83)
LONG. 107.65930° W (NAD83)
LAT. 36.23529° N (NAD27)
LONG. 107.65991° W (NAD27)

18

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 — Date: 2/11/14

Katie Wegner
Printed Name

Kathryn.Wegner@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.

OCTOBER 23, 2012
Date of Survey

Signature and Seal of Professional Surveyor:

DAVID R. RUSSELL NEW MEXICO 10201 REGISTERED PROFESSIONAL LAND SURVEYOR

DAVID RUSSELL
Certificate Number 10201

SHEET A

Lybrook M11-2308 01H
SHL: SWSW Section 11, T23N, R8W
362 FSL and 203 FWL
BHL: SWSW Section 10, T23N, R8W
430 FSL and 330 FWL
San Juan County, New Mexico
Lease Number: NMNM 118132

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
Ojo Alamo Ss.	953
Kirtland Sh.	1,072
Fruitland Coal	1,247
Pictured Cliffs Ss.	1,578
Lewis Sh.	1,662
Cliffhouse Ss.	2,356
Menefee Fn.	3,117
Point Lookout Ss.	3,979
Mancos Sh.	4,164
Mancos Silt	4,867
Gallup Fn.	4,966

The referenced surface elevation is 6,905', KB 6,921'

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

Substance	Formation	Depth (TVD) units = feet
Water/Gas	Fruitland Coal	1,247
Oil/Gas	Pictured Cliffs Ss.	1,578
Oil/Gas	Cliffhouse Ss.	2,356
Gas	Menefee Fn.	3,117
Oil/Gas	Point Lookout Ss.	3,979
Oil/Gas	Mancos Sh.	4,164
Oil/Gas	Mancos Silt	4,867
Oil/Gas	Gallup Fn.	4,966

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

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	Hole Size	Csg Size	Weight	Grade
Conductor	0-60'	30"	20"	94#	H40, STC New
Surface	0'-500'	12 1/4"	9 5/8"	36#	J55, STC New
Intermediate	0'-5478'MD	8 3/4"	7"	26#	J55, LTC New
Production Liner	5278'-10169'MD	6 1/8"	4 1/2"	11.6#	B80*, LTC New

Casing String				Casing Strength Properties			Minimum Design Factors		
Size	Weight (lb/ft)	Grade	Connection	Collapse (psi)	Burst (psi)	Tensile (1000lb)	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 1/2"	11.6	B80	LTC	6350	7780	201	1.125	1.1	1.5

*B80 pipe specifications are attached

Lybrook M11-2308 01H
SHL: SWSW Section 11, T23N, R8W
362 FSL and 203 FWL
BHL: SWSW Section 10, T23N, R8W
430 FSL and 330 FWL
San Juan County, New Mexico
Lease Number: NMNM 118132

Casing design is subject to revision based on geologic conditions encountered.

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:

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a pre-flush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.

Casing	Depth	Cement Volume (sacks)	Cement Type&Yield	Designed TOC	Centralizers
Conductor	60'	100sk	Type I Neat 16 ppg	Surface	None
Surface	500'	178sk	Type III Cement + 1% CaCl + 0.25lb/sk Cello Flake + 0.2% FL, 16ppg, 1.38cuf/sk	Surface	1 per joint on bottom 3 joints
Intermediate	5478'MD	30% open hole excess Stage 1 Lead: 247sks Stage 1 Tail: 170sks Stage 2 Lead: 143sks	**Lead** (Stages 1 and 2): PremLite + 3% CaCl + 0.25lb/sk CelloFlake + 5lb/sk LCM, 12.1ppg 2.13cuft/sk **Tail** (Stage 1): Type III Cmt + 1% CaCl + 0.25lb/sk Cello Flake 14.5ppg 1.38cuft/sk	Surface	1 per joint for bottom 3 joints, 1 every 3 joints for remaining joints
Production Liner*	5278'-10169'	None – External casing packers	N/A	N/A	N/A

*Production liner clarification: Utilizing external swell casing packer system for zonal isolation will not use cement in the production liner.

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 a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

Lybrook M11-2308 01H
SHL: SWSW Section 11, T23N, R8W
362 FSL and 203 FWL
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430 FSL and 330 FWL
San Juan County, New Mexico
Lease Number: NMNM 118132

5. WELL PLAN & DIRECTIONAL DRILLING PROGRAM

The proposed horizontal well will have a kick off point of 4700'. Directional plans are attached.

Description	Proposed Depth (TVD/MD)	Formation
Horizontal Lateral TD	5265'/10169'	Gallup

6. DRILLING FLUIDS PROGRAM

a) Surface through Intermediate Casing Point:

Hole Size (in)	Depth (ft)	Mud Type	Density (lb/gal)	Viscosity (sec/qt)	Fluid Loss (cc)
30"	0-60' TVD	Fresh Water	8.3-9.2	38-100	4-28
12 1/4"	0-500' TVD	Fresh Water	8.4-8.6	60-70	NC
8 3/4"	500'TVD-5265'TVD/5478'MD	Fresh Water LSND	8.5-8.8	40-50	8-10

b) Intermediate Casing Point to TD:

Hole Size (in)	MD (ft)	Mud Type	Density (lb/gal)	Viscosity (sec/qt)	Fluid Loss (cc)
6 1/8"	5478'-10169'	Synthetic Oil Based Mud	8.6-9.0	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, including fresh water and oil-based operations. 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 and LOGGING

a) Drill Stem Testing – None anticipated
b) Coring – None anticipated.
c) Mud 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

Lybrook M11-2308 01H
SHL: SWSW Section 11, T23N, R8W
362 FSL and 203 FWL
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430 FSL and 330 FWL
San Juan County, New Mexico
Lease Number: NMNM 118132

8. ABNORMAL PRESSURES & HYDROGEN SULFIDE

The anticipated bottom hole pressure is +/- 2472 psi based on a 9.0 ppg at 5281' TVD of the landing point of the horizontal lateral. No abnormal pressure or temperatures are anticipated.

No hydrogen sulfide gas is anticipated, however, if H_2S 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 October 22, 2014. 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 25 days.

LOC: **Sec 11-T23N-R8W**
County: **San Juan**
WELL: **Lybrook M11-2308 01H**

Encana Natural Gas

WELL SUMMARY

encana

ENG: **1/31/14**
RIG:
GLE: **6905**
RKBE: **6921**

MWD LWD	OPEN HOLE LOGGING	FORM	DEPTH TVD	DEPTH MD	HOLE SIZE	CASING SPECS	MW MUD TYPE	DEVIATION INFORMATION
			60	60'	**30**	**20" 94#** 100sx Type I Neat 16ppg cmt	**Fresh wtr** 8.3-9.2	
Surveys After csg is run	None		**500**	**500**	**12 1/4**	**9 5/8" 36ppf J55 STC** TOC @ surface 178 sks Type III Cmt	**Fresh wtr** 8.4-8.6	Vertical <1°
Surveys every 500'	No OH logs Mud logger onsite	Ojo Alamo Kirtland Fruitland Coal Pictured Cliffs Ss Lewis Shale Cliffhouse Ss Menefee Fn Point Lookout Ss Mancos Sh KICK OFF PT Mancos Silt Gallup Top **7" csg**	953 1072 1247 1578 1662 2356 3117 3979 4164 4700 4867 4966 **5265**	**5478**	**8 3/4**	**7" 26ppf J55 LTC** Stage tool @ 1628' TOC @ surface 30% OH excess: 560 sksTotal. Stage 1 Lead: 247sks Stage 1 Tail: 170sks. Stage 2 Lead: 143sks	**Fresh Wtr** 8.5-8.8	Vertical <1° KOP 4700 10 deg/100'
		horz target Base Gallup	**5281** 5279	**5615**	**6 1/8**	200' overlap at liner top 4554' Lateral	8.6-9.0 OBM	.25deg updip 5265'TVD TD = 10169' MD
Surveys every 500' Gyro at CP MWD Gamma Directional	No OH Logs					**4 1/2" 11.6ppf SB80 LTC** Running external swellable csg packers for isolation of prod string Plan on setting top packer within 100' of intermediate casing shoe	Switch to OBM 8.6-9.0	

NOTES:

1) Drill with 30" bit to 60', set 20" 94# 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 4700' , 8 3/4" hole size,
5) PU directional tools and start curve at 10deg/100' build rate
6) Drill to casing point of 5478' MD
7) R&C 7" casing, circ cmt to surface, switch to OBM
8) Land at 90deg, drill 4554' lateral to 10169', run 4 1/2" liner with external swellable csg packers

Boomerang Tube LLC

CASING (OR) TUBING DESCRIPTION AND PERFORMANCE PROPERTIES

Pipe Outside Diameter (ins)	4.500
Pipe Wall Thickness (ins)	0.250
Nominal Weight Per Foot (lbs)	11.60
Thread Name	Long Thread CSG
Grade Name	SB-80
Pipe Minimum Yield (psi)	80,000
Pipe Minimum Ultimate (psi)	90,000
Coupling Minimum Yield (psi)	80,000
Coupling Minimum Ultimate (psi)	100,000
Coupling or Joint Outside Diameter (ins)	5.000
Drift Diameter (ins)	3.875
Plain End Weight per Foot (lbs)	11.36
Joint Strength (lbs)	201,000
Internal Yield (psi)	7,780
Collapse Rating (psi)	6,350

MAXIMUM DEPTH/LENGTH BASED ON MUD WTS & SAFETY FACTORS

Drilling Mud Weight (ppg)	9.625
Tension Safety Factor	1.80
Maximum Tension Length (ft)	9,630
Internal Yield Safety Factor	1.10
Maximum Depth for Internal Yield (ft)	14,150
Collapse Safety Factor	1.125
Maximum Collapse Depth (ft)	11,290

API RELATED VALUES and INTERMEDIATE CALCULATION RESULTS

Coupling Thread Fracture Strength	464,000
Pipe Thread Fracture Strength (lbs)	201,000
Pipe Body Plain End Yield (lbs)	267,000
Round Thread Pull-Out (lbs)	219,000
Minimum Make-up Torque (ft-lbs)	1,640
Nominal Make-up Torque (ft-lbs)	2,190
Maximum Make-up Torque (ft-lbs)	2,740
Coupling Internal Yield (psi)	10,660
Pipe Body Internal Yield (psi)	7,780
Leak @ E1 or E7 plane (psi)	17,920
Pipe Hydrostatic Test Pressure @ 80 % SMYS	7,100

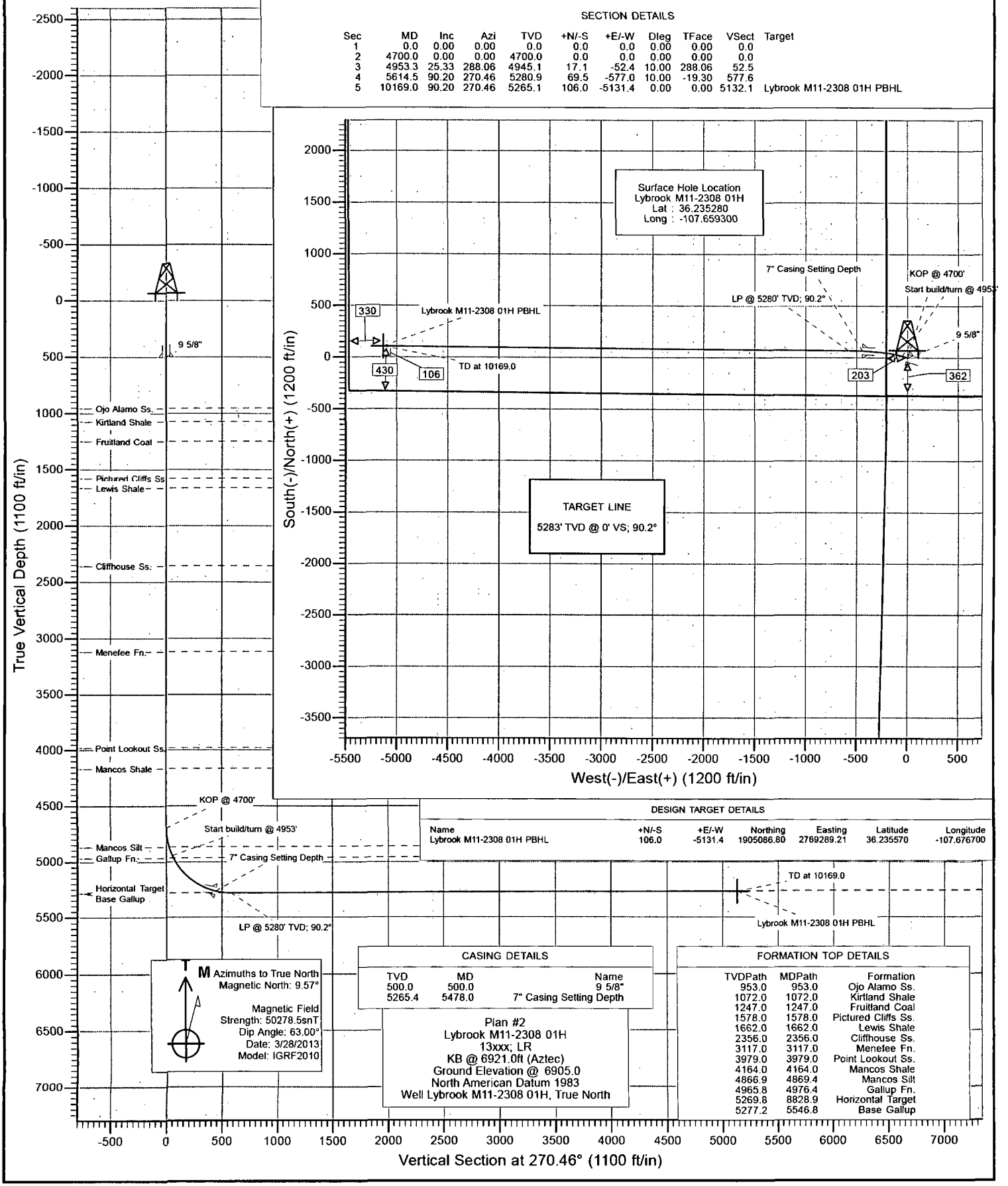
encana natural gas

Project: San Juan County, NM
Site: S11-T23N-R8W
Well: Lybrook M11-2308 01H
Wellbore: Hz
Design: Plan #2

CATHEDRAL

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	4700.0	0.00	0.00	4700.0	0.0	0.0	0.00	0.00	0.0	
3	4953.3	25.33	288.06	4945.1	17.1	-52.4	10.00	288.06	52.5	
4	5614.5	90.20	270.46	5280.9	69.5	-577.0	10.00	-19.30	577.6	
5	10169.0	90.20	270.46	5265.1	106.0	-5131.4	0.00	0.00	5132.1	Lybrook M11-2308 01H PBHL



DESIGN TARGET DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Lybrook M11-2308 01H PBHL	106.0	-5131.4	1905086.80	2769289.21	36.235570	-107.676700

CASING DETAILS

TVD	MD	Name
500.0	500.0	9 5/8"
5265.4	5478.0	7" Casing Setting Depth

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
953.0	953.0	Ojo Alamo Ss.
1072.0	1072.0	Kirtland Shale
1247.0	1247.0	Fruitland Coal
1578.0	1578.0	Pictured Cliffs Ss.
1662.0	1662.0	Lewis Shale
2356.0	2356.0	Cliffhouse Ss.
3117.0	3117.0	Menefee Fn.
3979.0	3979.0	Point Lookout Ss.
4164.0	4164.0	Mancos Shale
4866.9	4869.4	Mancos Silt
4965.8	4976.4	Gallup Fn.
5269.8	8828.9	Horizontal Target
5277.2	5546.8	Base Gallup

M Azimuths to True North
Magnetic North: 9.57°

Magnetic Field
Strength: 50278.5snT
Dip Angle: 63.00°
Date: 3/28/2013
Model: IGRF2010

Plan #2
Lybrook M11-2308 01H
13xxx; LR
KB @ 6921.0ft (Aztec)
Ground Elevation @ 6905.0
North American Datum 1983
Well Lybrook M11-2308 01H, True North

Planning Report

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well Lybrook M11-2308 01H
Company:	EnCana Oil & Gas (USA) Inc	**TVD Reference:**	KB @ 6921.0ft (Aztec)
Project:	San Juan County, NM	**MD Reference:**	KB @ 6921.0ft (Aztec)
Site:	S11-T23N-R8W	**North Reference:**	True
Well:	Lybrook M11-2308 01H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

Project	San Juan County, NM		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site	S11-T23N-R8W				
Site Position:		**Northing:**	1,904,989.99 ft	**Latitude:**	36.235280
From:	Lat/Long	**Easting:**	2,774,420.76 ft	**Longitude:**	-107.659300
Position Uncertainty:	0.0 ft	**Slot Radius:**	13.200 in	**Grid Convergence:**	0.10 °

Well	Lybrook M11-2308 01H					
Well Position	**+N/-S**	0.0 ft	**Northing:**	1,904,989.99 ft	**Latitude:**	36.235280
	+E/-W	0.0 ft	**Easting:**	2,774,420.76 ft	**Longitude:**	-107.659300
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,905.0 ft

Wellbore	Hz				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	3/28/2013	9.57	63.00	50,279

Design	Plan #2				
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	270.46	

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	
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,953.3	25.33	288.06	4,945.1	17.1	-52.4	10.00	10.00	0.00	288.06	
5,614.5	90.20	270.46	5,280.9	69.5	-577.0	10.00	9.81	-2.66	-19.30	
10,169.0	90.20	270.46	5,265.1	106.0	-5,131.4	0.00	0.00	0.00	0.00	Lybrook M11-2308 01

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well Lybrook M11-2308 01H
Company:	EnCana Oil & Gas (USA) Inc	**TVD Reference:**	KB @ 6921.0ft (Aztec)
Project:	San Juan County, NM	**MD Reference:**	KB @ 6921.0ft (Aztec)
Site:	S11-T23N-R8W	**North Reference:**	True
Well:	Lybrook M11-2308 01H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

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	
953.0	0.00	0.00	953.0	0.0	0.0	0.0	0.00	0.00	Ojo Alamo Ss.
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	
1,072.0	0.00	0.00	1,072.0	0.0	0.0	0.0	0.00	0.00	Kirtland Shale
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	
1,247.0	0.00	0.00	1,247.0	0.0	0.0	0.0	0.00	0.00	Fruitland Coal
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	
1,578.0	0.00	0.00	1,578.0	0.0	0.0	0.0	0.00	0.00	Pictured Cliffs Ss.
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	
1,662.0	0.00	0.00	1,662.0	0.0	0.0	0.0	0.00	0.00	Lewis Shale
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	
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	
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	
2,200.0	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	
2,356.0	0.00	0.00	2,356.0	0.0	0.0	0.0	0.00	0.00	Cliffhouse Ss.
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	
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	
3,117.0	0.00	0.00	3,117.0	0.0	0.0	0.0	0.00	0.00	Menefee Fn.
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	
3,800.0	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	
3,979.0	0.00	0.00	3,979.0	0.0	0.0	0.0	0.00	0.00	Point Lookout Ss.
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	
4,164.0	0.00	0.00	4,164.0	0.0	0.0	0.0	0.00	0.00	Mancos Shale
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well Lybrook M11-2308 01H
Company:	EnCana Oil & Gas (USA) Inc	**TVD Reference:**	KB @ 6921.0ft (Aztec)
Project:	San Juan County, NM	**MD Reference:**	KB @ 6921.0ft (Aztec)
Site:	S11-T23N-R8W	**North Reference:**	True
Well:	Lybrook M11-2308 01H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

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
4,300.0	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	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	KOP @ 4700'
4,800.0	10.00	288.06	4,799.5	2.7	-8.3	8.3	10.00	10.00	
4,869.4	16.94	288.06	4,866.9	7.7	-23.6	23.7	10.00	10.00	Mancos Silt
4,900.0	20.00	288.06	4,896.0	10.7	-32.9	32.9	10.00	10.00	
4,953.3	25.33	288.06	4,945.1	17.1	-52.4	52.5	10.00	10.00	Start build/turn @ 4953'
4,976.4	27.52	286.40	4,965.8	20.1	-62.2	62.3	10.00	9.48	Gallup Fn.
5,000.0	29.78	284.95	4,986.5	23.2	-73.1	73.3	10.00	9.56	
5,100.0	39.46	280.48	5,068.7	35.4	-128.5	128.7	10.00	9.68	
5,200.0	49.25	277.56	5,140.2	46.2	-197.4	197.8	10.00	9.79	
5,300.0	59.09	275.39	5,198.6	55.2	-277.9	278.3	10.00	9.85	
5,400.0	68.97	273.64	5,242.4	62.2	-367.4	367.9	10.00	9.88	
5,478.0	76.68	272.43	5,265.4	66.1	-441.8	442.3	10.00	9.89	7" Casing Setting Depth
5,500.0	78.86	272.10	5,270.0	67.0	-463.2	463.8	10.00	9.90	
5,546.8	83.49	271.42	5,277.2	68.4	-509.4	509.9	10.00	9.90	Base Gallup
5,600.0	88.76	270.67	5,280.8	69.4	-562.5	563.0	10.00	9.90	
5,614.5	90.20	270.46	5,280.9	69.5	-577.0	577.6	10.00	9.90	LP @ 5280' TVD; 90.2°
5,700.0	90.20	270.46	5,280.7	70.2	-662.5	663.0	0.00	0.00	
5,800.0	90.20	270.46	5,280.3	71.0	-762.5	763.0	0.00	0.00	
5,900.0	90.20	270.46	5,280.0	71.8	-862.5	863.0	0.00	0.00	
6,000.0	90.20	270.46	5,279.6	72.6	-962.5	963.0	0.00	0.00	
6,100.0	90.20	270.46	5,279.3	73.4	-1,062.5	1,063.0	0.00	0.00	
6,200.0	90.20	270.46	5,278.9	74.2	-1,162.5	1,163.0	0.00	0.00	
6,300.0	90.20	270.46	5,278.6	75.0	-1,262.5	1,263.0	0.00	0.00	
6,400.0	90.20	270.46	5,278.2	75.8	-1,362.5	1,363.0	0.00	0.00	
6,500.0	90.20	270.46	5,277.9	76.6	-1,462.5	1,463.0	0.00	0.00	
6,600.0	90.20	270.46	5,277.5	77.4	-1,562.5	1,563.0	0.00	0.00	
6,700.0	90.20	270.46	5,277.2	78.2	-1,662.5	1,663.0	0.00	0.00	
6,800.0	90.20	270.46	5,276.8	79.0	-1,762.5	1,763.0	0.00	0.00	
6,900.0	90.20	270.46	5,276.5	79.8	-1,862.5	1,863.0	0.00	0.00	
7,000.0	90.20	270.46	5,276.1	80.6	-1,962.5	1,963.0	0.00	0.00	
7,100.0	90.20	270.46	5,275.8	81.4	-2,062.4	2,063.0	0.00	0.00	
7,200.0	90.20	270.46	5,275.4	82.2	-2,162.4	2,163.0	0.00	0.00	
7,300.0	90.20	270.46	5,275.1	83.0	-2,262.4	2,263.0	0.00	0.00	
7,400.0	90.20	270.46	5,274.7	83.8	-2,362.4	2,363.0	0.00	0.00	
7,500.0	90.20	270.46	5,274.4	84.6	-2,462.4	2,463.0	0.00	0.00	
7,600.0	90.20	270.46	5,274.0	85.4	-2,562.4	2,563.0	0.00	0.00	
7,700.0	90.20	270.46	5,273.7	86.2	-2,662.4	2,663.0	0.00	0.00	
7,800.0	90.20	270.46	5,273.3	87.0	-2,762.4	2,763.0	0.00	0.00	
7,900.0	90.20	270.46	5,273.0	87.8	-2,862.4	2,863.0	0.00	0.00	
8,000.0	90.20	270.46	5,272.6	88.6	-2,962.4	2,963.0	0.00	0.00	
8,100.0	90.20	270.46	5,272.3	89.4	-3,062.4	3,063.0	0.00	0.00	
8,200.0	90.20	270.46	5,272.0	90.2	-3,162.4	3,163.0	0.00	0.00	
8,300.0	90.20	270.46	5,271.6	91.0	-3,262.4	3,263.0	0.00	0.00	
8,400.0	90.20	270.46	5,271.3	91.8	-3,362.4	3,363.0	0.00	0.00	
8,500.0	90.20	270.46	5,270.9	92.6	-3,462.4	3,463.0	0.00	0.00	
8,600.0	90.20	270.46	5,270.6	93.4	-3,562.4	3,563.0	0.00	0.00	
8,700.0	90.20	270.46	5,270.2	94.3	-3,662.4	3,663.0	0.00	0.00	
8,800.0	90.20	270.46	5,269.9	95.1	-3,762.4	3,763.0	0.00	0.00	

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well Lybrook M11-2308 01H
Company:	EnCana Oil & Gas (USA) Inc	**TVD Reference:**	KB @ 6921.0ft (Aztec)
Project:	San Juan County, NM	**MD Reference:**	KB @ 6921.0ft (Aztec)
Site:	S11-T23N-R8W	**North Reference:**	True
Well:	Lybrook M11-2308 01H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

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
8,828.9	90.20	270.46	5,269.8	95.3	-3,791.3	3,791.9	0.00	0.00	Horizontal Target
8,900.0	90.20	270.46	5,269.5	95.9	-3,862.4	3,863.0	0.00	0.00	
9,000.0	90.20	270.46	5,269.2	96.7	-3,962.4	3,963.0	0.00	0.00	
9,100.0	90.20	270.46	5,268.8	97.5	-4,062.4	4,063.0	0.00	0.00	
9,200.0	90.20	270.46	5,268.5	98.3	-4,162.4	4,163.0	0.00	0.00	
9,300.0	90.20	270.46	5,268.1	99.1	-4,262.4	4,263.0	0.00	0.00	
9,400.0	90.20	270.46	5,267.8	99.9	-4,362.4	4,363.0	0.00	0.00	
9,500.0	90.20	270.46	5,267.4	100.7	-4,462.4	4,463.0	0.00	0.00	
9,600.0	90.20	270.46	5,267.1	101.5	-4,562.4	4,563.0	0.00	0.00	
9,700.0	90.20	270.46	5,266.7	102.3	-4,662.3	4,663.0	0.00	0.00	
9,800.0	90.20	270.46	5,266.4	103.1	-4,762.3	4,763.0	0.00	0.00	
9,900.0	90.20	270.46	5,266.0	103.9	-4,862.3	4,863.0	0.00	0.00	
10,000.0	90.20	270.46	5,265.7	104.7	-4,962.3	4,963.0	0.00	0.00	
10,100.0	90.20	270.46	5,265.3	105.5	-5,062.3	5,063.0	0.00	0.00	
10,169.0	90.20	270.46	5,265.1	106.0	-5,131.4	5,132.1	0.00	0.00	TD at 10169.0 - Lybrook M11-2308 01H PBHL

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 M11-2308 01H I - plan hits target center - Point	0.00	0.00	5,265.1	106.0	-5,131.4	1,905,086.80	2,769,289.21	36.235570	-107.676700

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
5,478.0	5,265.4	7" Casing Setting Depth	0.000	0.000

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well Lybrook M11-2308 01H
Company:	EnCana Oil & Gas (USA) Inc	**TVD Reference:**	KB @ 6921.0ft (Aztec)
Project:	San Juan County, NM	**MD Reference:**	KB @ 6921.0ft (Aztec)
Site:	S11-T23N-R8W	**North Reference:**	True
Well:	Lybrook M11-2308 01H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
953.0	953.0	Ojo Alamo Ss.		-0.20	270.46
1,072.0	1,072.0	Kirtland Shale		-0.20	270.46
1,247.0	1,247.0	Fruitland Coal		-0.20	270.46
1,578.0	1,578.0	Pictured Cliffs Ss.		-0.20	270.46
1,662.0	1,662.0	Lewis Shale		-0.20	270.46
2,356.0	2,356.0	Cliffhouse Ss.		-0.20	270.46
3,117.0	3,117.0	Menefee Fn.		-0.20	270.46
3,979.0	3,979.0	Point Lookout Ss.		-0.20	270.46
4,164.0	4,164.0	Mancos Shale		-0.20	270.46
4,869.4	4,867.0	Mancos Silt		-0.20	270.46
4,976.4	4,966.0	Gallup Fn.		-0.20	270.46
5,546.8	5,279.0	Base Gallup		-0.20	270.46
8,828.9	5,283.0	Horizontal Target		-0.20	270.46

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
4,700.0	4,700.0	0.0	0.0	KOP @ 4700'
4,953.3	4,945.1	17.1	-52.4	Start build/turn @ 4953'
5,614.5	5,280.9	69.5	-577.0	LP @ 5280' TVD; 90.2°
10,169.0	5,265.1	106.0	-5,131.4	TD at 10169.0

ENCANA OIL & GAS (USA) INC.

LYBROOK M11-2308 #01H
362' FSL & 203' FWL
LOCATED IN THE SW/4 SW/4 OF SECTION 11,
T23N, R8W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

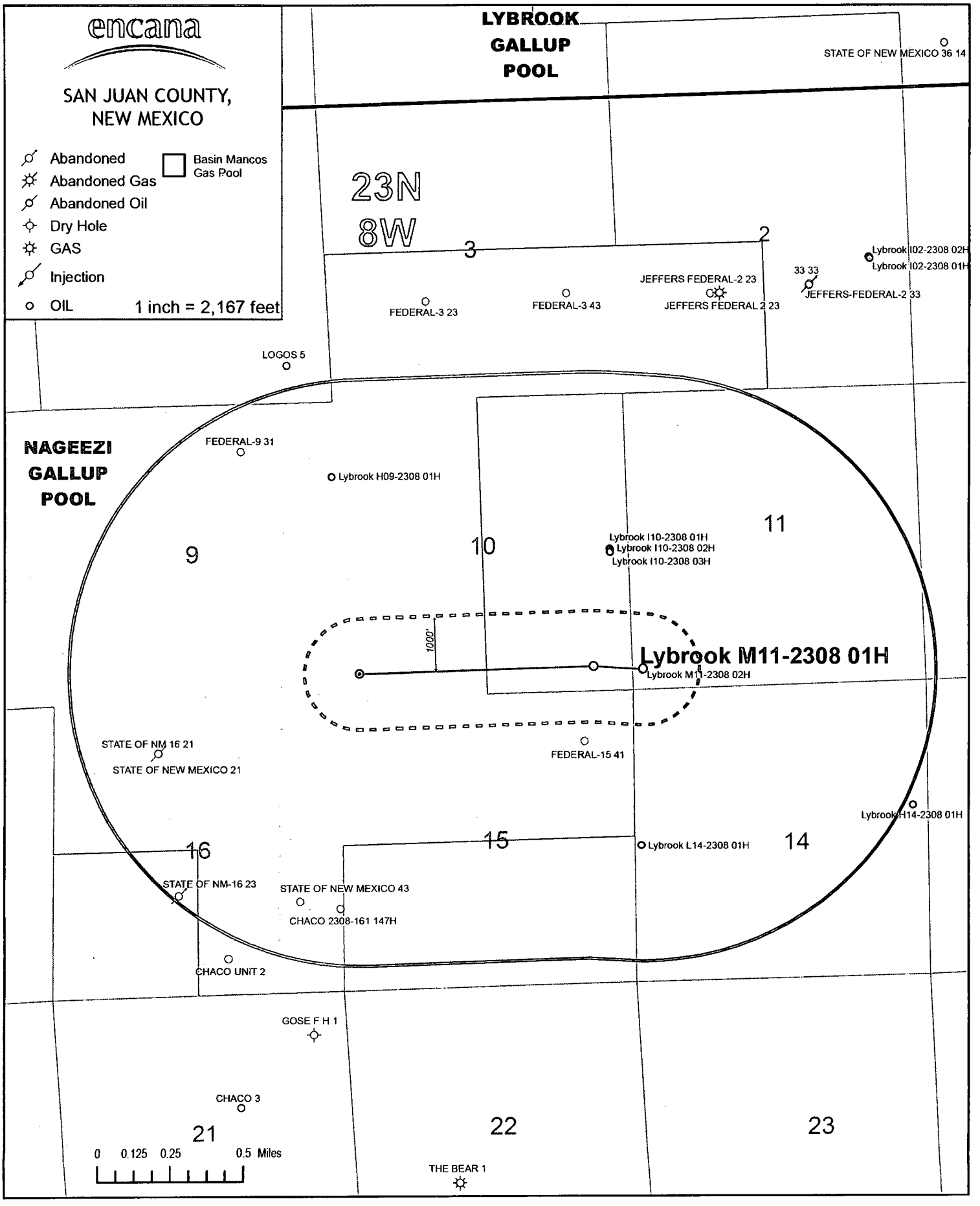
DIRECTIONS

1) FROM THE INTERSECTION OF HWY 64 & HWY 550 IN BLOOMFIELD, GO SOUTH ON HWY 550, 39.0 MILES TO INDIAN ROUTE 7061 (M.P. 112.6).
2) TURN RIGHT AND GO 1.7 MILES TO A DIRT ROAD WITH CATTLE GUARD.
3) TURN LEFT AND GO 0.6 MILES TO "Y" INTERSECTION.
4) TURN LEFT AND GO 0.9 MILES TO "T" INTERSECTION.
5) TURN LEFT AND GO 1.1 MILES TO ABANDONED 2-TRACK TO BE UPGRADED.

WELL FLAG LOCATED AT LAT. 36.23528° N, LONG.107.65930° W (NAD 83).

Scorpion Survey & Consulting, L.L.C.
302 South Ash
Aztec, New Mexico 87410
(505) 334-4007

JOB No.: ENC008_REV5
DATE: 07/15/13


encana
SAN JUAN COUNTY,
NEW MEXICO
Abandoned
Abandoned Gas
Abandoned Oil
Dry Hole
GAS
Injection
OIL
Basin Mancos Gas Pool
1 inch = 2,167 feet
LYBROOK GALLUP POOL
NAGEEZI GALLUP POOL
23N
8W
STATE OF NEW MEXICO 36 14
Lybrook I02-2308 02H
Lybrook I02-2308 01H
JEFFERS FEDERAL-2 23
JEFFERS FEDERAL 2 23
33 33
JEFFERS-FEDERAL-2 33
FEDERAL-3 23
FEDERAL-3 43
LOGOS 5
FEDERAL-9 31
Lybrook H09-2308 01H
Lybrook I10-2308 01H
Lybrook I10-2308 02H
Lybrook I10-2308 03H
1000'
Lybrook M11-2308 01H
Lybrook M11-2308 02H
FEDERAL-15 41
STATE OF NM 16 21
STATE OF NEW MEXICO 21
Lybrook H14-2308 01H
Lybrook L14-2308 01H
STATE OF NM-16 23
STATE OF NEW MEXICO 43
CHACO 2308-161 147H
CHACO UNIT 2
GOSE F H 1
CHACO 3
THE BEAR 1
2
3
9
10
11
14
15
16
21
22
23
0 0.125 0.25 0.5 Miles

SHEET D

WELLHEAD BLOWOUT CONTROL SYSTEM

encana

Well name and number:

Lybrook M11-2308 01H