

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED CONFIDENTIAL

JUN 14 2013

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG
Farmington Field Office
Bureau of Land Management

File Serial No.
NMMN 89021

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.
Other: _____

6. If Indian, Allottee or Tribe Name
N/A
7. Unit or CA Agreement Name and No.
Need CA

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

8. Lease Name and Well No.
Lybrook A32-2306 01H

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

3a. Phone No. (include area code)
720-876-3437

9. API Well No.
30-043-21127-0051

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

10. Field and Pool or Exploratory
Lybrook Gallup

At surface 556' FNL and 222' FEL Sec 32, T23N, R6W

11. Sec., T., R., M., on Block and
Survey or Area Sec 32, T23N, R6W

541' FNL and 848' FEL Sec 32, T23N, R6W

At top prod. interval reported below

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At total depth 636' FNL and 2274' FEL Sec 31, T23N, R6W

12. County or Parish Sandoval
13. State NM

14. Date Spudded 04/22/2013
15. Date T.D. Reached 05/05/2013

16. Date Completed 06/02/2013
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
7203 GL 7219 RKB

18. Total Depth: MD 12610
TVD 5576

19. Plug Back T.D.: MD N/A
TVD

20. Depth Bridge Plug Set: MD **5024' and 5070'
TVD ~5023' and 5068'

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
NONE

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Shury Vol. (BBL)	Cement Top*	Amount Pulled
12.25"	9.625"/J55	36	0	530'	N/A	240sks Type III	59	Surface (CIR)	N/A
8.75"	7"/J55	26	0	5829'	2145'	630sks Prem LI	239	Surface (CIR)	N/A
"	"	"	"	"	"	240sks Type III	59	"	"
6.125"	4.5"/P110	11.6	5636'	12608'	N/A	N/A*	N/A	N/A	N/A

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
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25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Gallup	5941.48	12610	6048'-12535'	0.38"	1008	Open
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
6048'-12535'	Please see attached Hydraulic Fracturing Fluid Product Component Disclosure

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
6/10/13	6/11/13	24	→	140	2000	1250	unknown	unknown	Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
36/64	N/A	800	→	140	2000	1250	14286 cuft/bbl	Flowing back	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD

*(See instructions and spaces for additional data on page 2)

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NMOCDA

FARMINGTON FIELD OFFICE
BY William Tambor

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)
Flared

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Fruitland Coal 1917', Pictured Cliffs 2135', Lewis Shale 2252', Cliffhouse Sandstone 2965', Menefee 3639', Point Lookout 4371', Mancos 4577', Gallup 5374'

Formation	Top	Bottom	Descriptions, Contents, etc:	Name	Top
					Meas. Depth
Gallup	5374'	5671'	Oil, Gas	Gallup	5374

32. Additional remarks (include plugging procedure):

*Set 28 external swellable casing packers for isolation of production string at the following depths: (1) 12362 (2) 12127' (3) 11892' (4) 11657' (5) 11422' (6) 11188' (7) 10954' (8) 10719' (9) 10484' (10) 10249' (11) 10014' (12) 9789' (13) 9553' (14) 9319' (15) 9083' (16) 8848' (17) 8612' (18) 8374' (19) 8137' (20) 7901' (21) 7627' (22) 7392' (23) 7156' (24) 6922' (25) 6687' (26) 6452' (27) 6220' (28) 5941'

**Set second bridge plug due to leak in plug set at 5070'MD.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Lithology Record, Hydraulic Frac Fluid Disclosure

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Amanda Cavoto

Title Engineering Technologist

Signature

Amanda Cavoto

Date

6/13/13

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.

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo 1495'	T. Penn. A"
T. Salt	T. Strawn	T. Kirtland 1713'	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland 1917'	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs 2135'	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House 2965'	T. Leadville
T. Queen	T. Silurian	T. Menefee 3639'	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout 4371'	T. Elbert
T. San Andres	T. Simpson	T. Mancos 4577'	T. McCracken
T. Glorieta	T. McKee	T. Gallup 5374'	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....5374'.....to.....5671'.....
 No. 2, from.....to.....
 No. 3, from.....to.....
 No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
0	1,713	1,713'	Tertiary non-marine clastics (Sandstone, Siltstone, Shale); braided/anastomosing fluvial, alluvial plain setting, volcanoclastic sediments				
1,713	2,135	422'	Cretaceous Coastal plain meandering fluvial sandstones, overbank floodplain mudstones, well developed coal (FRLD)				
2,135	3,639	1,504'	Regressive nearshore marine sandstone (PCCF), marine shale (Lewis SH), transgressive nearshore marine sandstone (CLCH/Chacra)				
3,639	4,371	732'	Coastal plain non-marine (Menfee) meandering fluvial sandstone, overbank floodplain mudstone (carbonaceous shale), minor coal				
4,371	4,577	206'	Regressive, progradational near-shore marine shoreface sandstone (PNLK)				
4,577	5,374	797'	Marine Shale/Siltstone (MNCS) and submarine sandstone (GLLP);				