

MAY 30 2017

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Farmington Field Office

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM 6682

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

7. Unit or CA Agreement Name and No.  
NMNM 135229X

8. Lease Name and Well No.  
North Alamito Unit 308H

9. API Well No.  
30-043-21296

10. Field and Pool or Exploratory  
Alamito Mancos N (OIL)

11. Sec., T., R., M., on Block and  
Survey or Area Unit L, Section 34, T23N R7W

12. County or Parish  
Sandoval County

13. State  
NM

17. Elevations (DF, RKB, RT, GL)\*  
6893' GL

18. Total Depth: MD 12,485'  
TVD 5,191'

19. Plug Back T.D.: MD 12,465' Float Collar  
TVD 5,190' Float Collar

20. Depth Bridge Plug Set: MD 5,592'  
TVD 5,146'

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
N/A

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 Cemen- ter Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25"	9.625"/H40	32.3#	Surface	340'	N/A	185 Class V	40	Surface	N/A
8.75"	7"/J55	26#	Surface	5,540'	N/A	725 Ext Class G	252	Surface	N/A
8.75"	7"/J55	26#	Surface	5,540'	N/A	255 Ext Class G	59	Surface	N/A
6.125"	4.5"/P110	11.6#	5,336'	12,468'	N/A	675 Class G	160	5,336'	N/A

24. Tubing Record

Will be provided on subsequent sundry

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Gallup	5,150' TVD	5,191' TVD	5,612 to 12,416' TMD	0.34"	690	Open
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
5,191' to 5,150' TVD	See sundry dated 05/11/2017 for detailed information
5,612 to 12,416' TMD	See sundry dated 05/11/2017 for detailed information

ACCEPTED FOR RECORD

MAY 30 2017

FARMINGTON FIELD OFFICE  
BY: 

Production details will be provided on Initial 24 Hour Test Sundry

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
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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	
			→						

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

OIL CONS. DIV DIST. 3

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.)  
Used for fuel, vented and 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

Ojo Alamo 976, Kirtland Shale 1161, Fruitland Coal 1381, Pictured Cliffs 1503, Lewis Shale 1626, Cliffhouse 2323, Menefee 3037, Point Lookout 3885 Mancos Shale 4092, Mancos Silt 4645, Gallup 4,905

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
San Jose Nacimiento Fn	Surface	Surface 976	Water, Gas Water, Gas	San Jose Nacimiento Fn	Surface
Ojo Alamo Kirtland Shale	976 1161	1161 1381	Water, Gas Water, Gas	Ojo Alamo Kirtland Shale	976 1161
Fruitland Coal Pictured Cliffs Ss	1381 1503	1503 1626	Water, Gas Water, Gas	Fruitland Coal Pictured Cliffs Ss	1381 1503
Lewis Shale Cliffhouse Ss	1626 2323	2323 3037	Water, Gas Water, Gas	Lewis Shale Cliffhouse Ss	1626 2323
Menefee Fn Point Lookout Ss	3037 3885	3885 4092	Water, Gas Water, Gas	Menefee Fn Point Lookout Ss	3037 3885
Mancos Shale Mancos Silt	4092 4645	4645 4905	Oil, Gas Oil, Gas	Mancos Shale Mancos Silt	4092 4645
Gallup Base Gallup	4905 5235	5235	Oil, Gas Oil, Gas	Gallup Base Gallup	4905 5235

32. Additional remarks (include plugging procedure):

Encana will provide Tubing Record and production details on Initial 24 Hour Test Sundry on subsequent sundries.

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: As-Drilled NMOC Form C-102

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) Steven Merrell      Title Field Operations Specialist  
 Signature       Date 05/26/2017

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

**GENERAL:** This form is designed for submitting a complete and correct well completion/recompletion report and log on all types of wells on Federal and Indian leases to a Federal agency, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal office. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, and all types electric), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal laws and regulations. All attachments should be listed on this form, see item 33.

**ITEM 4:** Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal office for specific instructions.

**ITEM 17:** Indicate which reported elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**ITEM 23:** Show how reported top(s) of cement were determined, i.e. circulated (CIR), or calculated (CAL), or cement bond log (CBL), or temperature survey (TS).

## NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48 (d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. et seq.; 43 CFR 3160.

**PRINCIPAL PURPOSE:** The information is to be used to evaluate the actual operations performed in the drilling, completing and testing of a well on a Federal or Indian lease.

**ROUTINE USES:** (1) Evaluate the equipment and procedures used during the drilling and completing/recompleting of a well. (2) The review of geologic zones and formation encountered during drilling. (3) Analyze future applications to drill in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

**EFFECT OF NOT PROVIDING INFORMATION:** Filing of this report and disclosure of the information is mandatory once a well drilled on a Federal or Indian lease is completed/recompleted.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling and completing/recompleting wells on Federal and Indian oil and gas leases.

This information will be used to analyze operations and to compare equipment and procedures actually used with those proposed and approved.

Response to this request is mandatory only if the operator elects to initiate drilling and completing/recompleting operations on an oil and gas lease.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MAY 16 2017

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Farmington Field Office  
Bureau of Land Management

5. Lease Serial No.  
NMNM 6682

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Reserv.,  
Other: \_\_\_\_\_

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

7. Unit or CA Agreement Name and No.  
NMNM 135229X

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

8. Lease Name and Well No.  
North Alamito Unit 308H

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

3a. Phone No. (include area code)  
720-876-5331

9. API Well No.  
30-043-21296

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface 1463' FSL, 744' FWL, Section 34, T23N R7W

OIL CONS. DIV DIST. 3

10. Field and Pool or Exploratory  
Alamito Mancos N (OIL)

At top prod. interval reported below  
2622' FSL, 1397' FWL Section 34, T23N R7W

MAY 18 2017

11. Sec., T., R., M., on Block and  
Survey or Area Unit L, Section 34, T23N R7W

At total depth 1825' FSL, 1716' FWL Section 28 T23N R7W

12. County or Parish Sandoval County  
13. State NM

14. Date Spudded 02/22/2017  
15. Date T.D. Reached 03/14/2017

16. Date Completed  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
6893' GL

18. Total Depth: MD 12,485'  
TVD 5,191'

19. Plug Back T.D.: MD 12,465' Float Collar  
TVD 5,190' Float Collar

20. Depth Bridge Plug Set: MD 5,592'  
TVD 5,146'

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
N/A

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25"	9.625"/H40	32.3#	Surface	340'	N/A	185 Class V	40	Surface	N/A
8.75"	7"/J55	26#	Surface	5,540'	N/A	725 Ext Class G	252	Surface	N/A
8.75"	7"/J55	26#	Surface	5,540'	N/A	255 Ext Class G	59	Surface	N/A
6.125"	4.5"/P110	11.6#	5,540'	12,468'	N/A	675 Class G	160	5,336'	N/A

24. Tubing Record Will be provided on subsequent sundry

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals		26. Perforation Record					
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status	
A) Gallup	5,191' TVD	5,150' TVD	5,612 to 12,416' TMD	0.34"	690	Open	
B)							
C)							
D)							

ACCEPTED FOR RECORD

27. Acid, Fracture Treatment, Cement Squeeze, etc.		Amount and Type of Material
Depth Interval		
5,191' to 5,150' TVD	See sundry dated 05/11/2017 for detailed information	
5,612 to 12,416' TMD	See sundry dated 05/11/2017 for detailed information	

MAY 17 2017

FARMINGTON FIELD OFFICE  
BY: [Signature]

Production details will be provided on Initial 24 Hour Test Sundry

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
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						
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	
			→						

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

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.)  
Used for fuel, vented and 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

Ojo Alamo 976, Kirtland Shale 1161, Fruitland Coal 1381, Pictured Cliffs 1503, Lewis Shale 1626, Cliffhouse 2323, Menefee 3037, Point Lookout 3885 Mancos Shale 4092, Mancos Silt 4645, Gallup 4,905

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
San Jose Nacimiento Fn	Surface	Surface 976	Water, Gas Water, Gas	San Jose Nacimiento Fn	Surface
Ojo Alamo Kirtland Shale	976 1161	1161 1381	Water, Gas Water, Gas	Ojo Alamo Kirtland Shale	976 1161
Fruitland Coal Pictured Cliffs Ss	1381 1503	1503 1626	Water, Gas Water, Gas	Fruitland Coal Pictured Cliffs Ss	1381 1503
Lewis Shale Cliffhouse Ss	1626 2323	2323 3037	Water, Gas Water, Gas	Lewis Shale Cliffhouse Ss	1626 2323
Menefee Fn Point Lookout Ss	3037 3885	3885 4092	Water, Gas Water, Gas	Menefee Fn Point Lookout Ss	3037 3885
Mancos Shale Mancos Silt	4092 4645	4645 4905	Oil, Gas Oil, Gas	Mancos Shale Mancos Silt	4092 4645
Gallup Base Gallup	4905 5235	5235	Oil, Gas Oil, Gas	Gallup Base Gallup	4905 5235

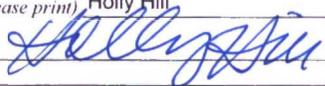
32. Additional remarks (include plugging procedure):

Encana will provide Tubing Record and production details on Initial 24 Hour Test Sundry on subsequent sundries.

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: As-Drilled NMOCD Form C-102

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) Holly Hill Title Senior Regulatory Analyst  
 Signature  Date 05/11/2017

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.