

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NM 51000

a. 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 130466**

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

8. Lease Name and Well No.  
**Escrito A31-2409 01H**

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

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

9. API Well No.  
**30-045-35390 -0051**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
**959' FNL and 300' FEL Sec 31, T24N, R9W**  
At surface

10. Field and Pool or Exploratory  
**Bisti - Lower Gallup**

**490' FNL and 719' FEL Sec 31, T24N, R9W**  
At top prod. interval reported below

11. Sec., T., R., M., on Block and Survey or Area  
**Sec 31, T24N, R9W**

**504' FNL and 346' FWL Sec 31, T24N, R9W**  
At total depth

12. County or Parish  
**San Juan**

13. State  
**NM**

14. Date Spudded  
**05/20/2013**

16. Date Completed **07/22/2013**  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
**6864' GL**

18. Total Depth: MD **9615'** TVD **5037'**

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

20. Depth Bridge Plug Set: MD **4910'** TVD **4840'**

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25"	9.625"/J55	36	Surface	492'	N/A	224sk/Type III	55	Surface (Cir)	N/A
8.75"	7"/J55	26	Surface	5269'	1471'	400sk/Prem Lt	152	Surface (Cir)	N/A
"	"	"	"	"	"	200sk/Type III	49	"	"
6.125"	4.5"/SB80	11.6	5064'	9611'	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)
2.75"/J55	5403'	Seat Nipple @4977'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Gallup	5,371'	9,615'	5435-9539'	0.4"	612	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5435-9539'	Please see attached Hydraulic Fracturing Fluid Component Information 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
8/16/13	8/16/13	24	→	110	1032	341	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	
22/64	673	915	→	110	1032	341	9382 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**  
**AUG 22 2013**

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

**NMOCDFV**

**FARMINGTON FIELD OFFICE**  
BY *William Tambekou*

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 1120', Pictured Cliffs 1394', Lewis Shale 1544', Cliffhouse Sandstone 2110', Menefee 2775', Point Lookout 3792', Mancos 3966', Gallup 4781'

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Gallup	4781'	5115'	Oil, Gas	Gallup	4781'

32. Additional remarks (include plugging procedure):

\*Set 17 external swellable casing packers for isolation of production string at the following depths: (1) 9,379 (2) 9,113 (3) 8,847 (4) 8,624 (5) 8,358 (6) 8,134 (7) 7,868 (8) 7,602 (9) 7,378 (10) 7,113 (11) 6,847 (12) 6,627 (13) 6,365 (14) 6,103 (15) 5,880 (16) 5,615 (17) 5,371.

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: Hydraulic Fluid Disclosure, Lithology Record

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 8/20/13

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 652'	T. Penn A"
T. Salt	T. Strawn	T. Kirtland 790'	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland 1120'	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs 1394'	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House 2110'	T. Leadville
T. Queen	T. Silurian	T. Menefee 2775'	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout 3792'	T. Elbert
T. San Andres	T. Simpson	T. Mancos 3966'	T. McCracken
T. Glorieta	T. McKee	T. Gallup 4781'	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.....4781'.....to.....5115'.....  
 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	790	790'	Tertiary non-marine clastics (Sandstone, Siltstone, Shale); braided/anastomosing fluvial, alluvial plain setting, volcanoclastic sediments				
790	1,394	604'	Cretaceous Coastal plain meandering fluvial sandstones, overbank floodplain mudstones, well developed coal (FRLD)				
1,394	2,775	1,381'	Regressive nearshore marine sandstone (PCCF), marine shale (Lewis SH), transgressive nearshore marine sandstone (CLCH/Chacra)				
2,775	3,792	1,017'	Coastal plain non-marine (Menefee) meandering fluvial sandstone, overbank floodplain mudstone (carbonaceous shale), minor coal				
3,792	3,966	174'	Regressive, progradational near-shore marine shoreface sandstone (PNLK)				
3,966	4,781	815'	Marine Shale/Siltstone (MNCS) and submarine sandstone (GLLP);				