

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

NMOCD

MAY 14 2018

MAY 06 2018

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Field Office

Bureau of Land Management

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Zones ☐ Hydraulic Fracturing

Other: \_\_\_\_\_

2. Name of Operator  
LOGOS Operating, LLC3. Address  
2010 Afton Place, Farmington, NM 874013a. Phone No. (Include area code)  
505-324-41454. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
2171' FSL 571' FWL, NW/SW, L Sec 14, T23N, R8W  
At surface5. Lease Serial No.  
NMNM18463

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
Athena 2308 14L 1H9. API Well No.  
30-045-3563210. Field and Pool or Exploratory  
Basin Mancos11. Sec., T., R., M., on Block and  
Survey or Area Sec 14, T23N, R8W

12. County or Parish

San Juan

13. State

NM

At top prod. interval reported below

At total depth 1435' FSL 283' FWL, NW/SW, L Sec 15, T23N, R8W

14. Date Spudded  
2/10/201815. Date T.D. Reached  
2/20/201816. Date Completed 04/07/2018  
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)\*  
6878' GL18. Total Depth: MD 10403'  
TVD 5125'19. Plug Back T.D.: MD 10380'  
TVD 5125'20. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
GR/CCL22. 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	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	9-5/8" J-55	36#	0'	327 GL	n/a	101 sks	29 bbls	0' CIR	10 bbls
8-3/4"	7" J-55	23#	0'	5690'	n/a	769 sks	241 bbls	0' CIR	60 bbls
6-1/8"	4-1/2" P110	11.6#	5538'	10402'	n/a	441 sks	107 bbls	5538' CIR	15 bbls

## 24. Tubing Record

Size	Depth Set (MD)	Packer Dept (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	5715'		2-7/8"	5466'	5484'			

## 25. Producing Intervals

Formation	Top	Bottom	Perforation Interval	Size	No. Holes	Perf. Status
A) Mancos	4153' MD	4905' VD	6119'-10343' MD	0.38" / 3spf	800	open
B)			5727'-6088' MD	0.38" / 2spf	48	open
C)						
D)						

## 27. Acid, Fracture, Treatment, Cement Squeeze, Post hydraulic fracturing chemical disclosures on FracFocus.org

Depth Interval	Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus.org
5727-10343' MD	Frac w/6,570,275# 20/40 Brady Sand, 1,376,075bbls 70% N2 Foam, 46.33 mmscf N2

## 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
4/23/18	4/24/18	12	→	406	5184	246			Gas Lift
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 770	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
41/64	575		→	794	5184	483		Flowing	

## 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)

NMOCD RV

CONFIDENTIAL

## 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.)

## 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

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Ojo Alamo	897				
Kirtland	1072				
Fruitland	1154				
Pictured Cliffs	1514				
Lewis	1657				
Cliff House	2980				
Menefee	3058				
Point Lookout	3962				
Mancos	4153				
Gallup	4906				

32. Additional remarks (include plugging procedure).

## 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:

## 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) Marie E Florez

Title Regulatory Specialist

Signature

Date 05/03/2018

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.