

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other						5. Lease Serial No. NMNM18463			
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Zones <input type="checkbox"/> Hydraulic Fracturing						6. If Indian, Allottee or Tribe Name			
Other: _____						7. Unit or CA Agreement Name and No.			
2. Name of Operator LOGOS Operating, LLC						8. Lease Name and Well No. Athena 2308 14L 3H			
3. Address 2010 Afton Place, Farmington, NM 87401				3a. Phone No. (Include area code) 505-787-2218		9. API Well No. 30-045-35876			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 2200' FSL 578' FWL, NW/SW, L Sec 14, T23N, R8W						10. Field and Pool or Exploratory Basin Mancos			
At top prod. interval reported below						11. Sec., T., R., M., on Block and Survey or Area Sec 14, T23N, R8W			
At total depth 2322' FSL 250' FWL, NW/SW, L Sec 15, T23N, R8W						12. County or Parish San Juan		13. State NM	
14. Date Spudded 6/07/2018		15. Date T.D. Reached 6/21/2018		16. Date Completed 08/04/2018 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 6878' GL			
18. Total Depth: MD 10696' TVD 5156'		19. Plug Back T.D.: MD 10646' TVD 5156'		20. Depth Bridge Plug Set: MD TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)						22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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'	331' GL	n/a	101 sks	29 bbls	0' CIR	10 bbls
8-3/4"	7" J-55, L-80, P-110	23# 26# 26#	0'	5718'	n/a	787 sks	242 bbls	0' CIR	30 bbls
6-1/8"	4-1/2" P-110	11.6#	5524'	10693'	n/a	467 sks	113 bbls	5524' CIR	30 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"	5732'	5445'	2-7/8"	5427'					
25. Producing Intervals					26. Perforation Record				
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status	
A) Mancos		5201' VD	5156' VD	10228'-10605' MD		0.38" / 3spf	80	open	
B)				10198'-5763' MD		0.38" / 2spf	576	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							
5763'-10605' MD		Frac w/7,240,452# 20/40 Arizona Sand, 1,497,396gals 70% Linear Gel N2 Foam, 50,400,051sf 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
8/5/18	8/5/18	12	→	120	456	260			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
34/64	400	624	→	125	648	552		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)

ACCEPTED FOR RECORD  
FARMINGTON FIELD OFFICE  
By: \_\_\_\_\_

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## 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	908				
Kirtland	1070				
Fruitland	1224				
Pictured Cliffs	1506				
Chacra	1909				
Cliff House	2974				
Menefee	3055				
Point Lookout	3845				
Mancos	4043				
Gallup	4834				
Lower Gallup	5231				

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 09/20/2018

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