

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SEP 24 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No. **NMNM18463**

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well  
 Oil Well     Gas Well     Other

8. Well Name and No. **Athena 2308 14L 3H**

2. Name of Operator **LOGOS Operating, LLC**

9. API Well No. **30-045-35876**

3a. Address **2010 Afton Place  
Farmington, NM 87401**

3b. Phone No. (include area code)  
**(505) 787-2218**

10. Field and Pool or Exploratory Area  
**Basin Mancos**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**2200 FSL & 578 FWL, NW/SW, L Sec 14 T23N R08W**

11. Country or Parish, State  
**San Juan County, NM**

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>Completion Report</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

7/19/18- MIRU frac stack. Open Alpha Sleeve w/ Halliburton acid single.  
7/23/18-7/28/18 MIRU & spot Halliburton equipment. Psi tested lines to 9500# - Good test. RU Frac equipment. Frac'd thru Alpha Sleeve @ 10605'-10601' MD = 8 holes. Perf'd w/ 3SPF 0.38" diam. @ 10569' - 10228' = 72 holes & 2SPF @ 10198'-5763'=576 holes w/ 656 total holes. Frac'd 27 stages of 7,240,452# 20/40 Arizona Sand, 1,497,396gals of 70% Linear gel N2 Foam & 50,400,051(scf) N2. RU WL. Set kill plug @ 5650'. well shut-in. RD Halliburton Frac & frac stack.  
7/31/18-8/3/18- MIRU all equipment. ND WH. NU BOPE. PU & MU BHA. PSI test BOPE flow-back-Good test. RIH w/ mill, DO kill plug. Circulate, CO & continue to DO all plugs. CO to alpha sleeve.  
8/4/18 - POOH w/ 4/12" tieback string. Change out tools & RIH w/ a total of 9jts of 2 3/8", J-55, 4.7# tbg @ 5732' w/ 1/2 mule shoe, Packer @ 5445', w/ 2-7/8", L-80, 6.5# @ 5427' w/ X-nipple @ 5107' tubing hanger & 8 gas lift valves. RDMC.

**NMOC**  
**OCT 11 2018**  
**DISTRICT III**  
**OCT 03 2018**  
**FARMINGTON FIELD OFFICE**  
By 

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
**Marie E. Florez**

Title **Regulatory Specialist**

Signature 

Date **9/20/18**

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office \_\_\_\_\_

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 on page 2)

**CONFIDENTIAL**  
**NMOCDA**