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Form 3160-5  
(June 2015)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: January 31, 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 1H

2. Name of Operator LOGOS Operating, LLC

9. API Well No. 30-045-35632

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)  
SHL: 2171 FSL & 571 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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Emergency Flare
	<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.)

LOGOS notified & received verbal approval from Jack Savage (BLM), requesting an emergency flare for 30 days on Athena 2308 14L 1H starting 8/9/2018, due to the Frac activity on Athena 2308 14L 3H that has caused a high nitrogen level in WFC pipeline.

NMOC

AUG 22 2018

DISTRICT III  
SEE ATTACHED  
FOR CONDITIONS  
OF APPROVAL

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

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

Marie E. Florez

Regulatory Specialist

Title

Signature

Date

08/10/2018

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

Approved by

Title Petroleum Engineer

Date

8/13/2018

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 FFO

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)

NMOC

NMOCD

AUG 22 2018

DISTRICT III



2030 Afton Place  
Farmington, NM 87401  
(505) 325-6622

Analysis No: N2180057  
Cust No: 46600

Well/Lease Information

LOGOS OPERATING

Well Name: ATHENA 2308 14L 1H  
County/State: NEW MEXICO  
Location:  
Formation:  
Meter Number:  
Foreman: BRYAN LOVATO

Source: Meter Run  
Well Flowing: Yes  
Pressure: 145  
Flow Temp: 92 F  
Ambient Temp: 68 F  
Sample Method: Purge & Fill  
Date Sampled: 8/8/2018  
Time Sampled: 6:05 AM  
Sampled By:(Co.) CHENAULT  
Sampled By: DAVE SAYLOR

GPA Standard: GPA 2261-14  
GC: SRI Instruments 8610 Last Cal/Verify: 8/8/2018

Remarks:

Analysis

Component:	Mole%:	Un-normalized Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	42.249	40.256	4.6580	0.00	0.4086
Methane	39.257	37.405	6.6694	396.50	0.2174
CO2, C2-C6+	18.494	17.622	5.2521	428.32	0.2706
Total	100.000	95.282	16.5795	824.81	0.8967

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	0.9976	CYLINDER #:	7000
BTU/CU.FT IDEAL:	826.7	CYLINDER PRESSURE:	145
BTU/CU.FT (DRY REAL) CORRECTED FOR (1/Z):	828.7	ANALYSIS DATE:	8/8/2018
BTU/CU.FT (WET REAL) CORRECTED FOR (1/Z):	814.2	ANALYZED BY:	Dawn Blessingame
REAL SPECIFIC GRAVITY:	0.8985		

GPM, BTU, and SPG calculations as shown above are based on current GPA factors.