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Form 3160-5  
(March 2012)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MAY 22 2013

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

**SUNDRY NOTICES AND REPORTS ON WELLS** Washington Field Office  
**Do not use this form for proposals to drill or to re-enter and abandon a well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
NM 109399

8. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

Oil Well     Gas Well     Other

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

2. Name of Operator  
Logos Operating, LLC

8. Well Name and No.  
Logos #6

3a. Address  
4001 North Butler Avenue, Building 7101  
Farmington, NM 87401

3b. Phone No. (include area code)  
505-436-2627

9. API Well No.  
30-045-35422

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1662' FNL, 1973' FEL  
Section 8, T23N, R8W, UL G

10. Field and Pool or Exploratory Area  
Basin Dakota - Nageezi Gallup

11. County 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"/> Fracture Treat	<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 <u>Completion</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recomplate 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 recomplate 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 Operating, LLC requests approval for the attached completion report on the Logos #6.

RCVD MAY 23 '13  
OIL CONS. DIV.  
DIST. 3

CONFIDENTIAL

ACCEPTED FOR RECORD

MAY 22 2013

FARMINGTON FIELD OFFICE  
BY William Tambekou

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

Title Production Engineer

Signature Kristy Graham

Date 05/21/2013

THIS 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)

NMOLD-TV

Logos #6 – Completion Report:

5/2/13 – Rig up wireline. Perforate interval 5874'-5996' with 2 SPF (total of 34 holes). Frac **Stage 1** with 48 bbls of 15% HCl; 10,657# of 100 mesh sand; 39,813# of 40/70 sand; 4,337 bbls of slickwater. RU wireline and set composite bridge plug at 5850'. Perforate interval from 5580'-5730' with 2 SPF (42 total holes).

5/4/13 – Frac **Stage 2** with 48 bbls of 15% HCl; 10,000# of 100 mesh sand; 82,440# of 40/70 sand; 8,187 bbls of slickwater. RU wireline and set composite frac plug at 5530'. Perforate interval 5324'-5388' with 3 SPF (33 holes). Frac **Stage 3** with 48 bbls of 15% HCl; 10,668# of 100 mesh sand; 79,874# of 40/70 sand; 70Q Foam (2,344 bbls of slickwater and 2.34 MMSCF N<sub>2</sub>). RU wireline and set composite frac plug at 5310'. Perforate interval 5192'-5272' with 3 SPF (42 holes). Frac **Stage 4** with 48 bbls of 15% HCl; 10,078# of 100 mesh; 103,153# of 40/70 sand; 70Q Foam (2,619 bbls of Slickwater and 2.53 MMSCF N<sub>2</sub>). RU wireline and set composite frac plug @ 5180'. Perforate interval from 5108'-5150' with 3 SPF (33 holes). Frac **Stage 5** with 48 bbls of 15% HCl; 9,377# 100 mesh sand; 77,093# of 40/70 sand; 5,521 bbls of slickwater.

5/13/13 – MIRU. TIH w/ bit and tubing. Drill out composite frac plug @ 5180'. Continue and drill out composite frac plug @ 5310'. Continue and drill out composite frac plug @ 5530'.

5/15/13 – Drill out composite bridge plug @ 5850'. Continue cleaning out well to PBTD @ 6175'. PU 2-7/8", J-55, 6.5#, tubing/BHA and set EOT @ 5092', SN @ 5055', TAC @ 4989'.

5/16/13 – PU rods/pump and TIH w/ 2" insert pump on 3/4" rods. Test pump for good pump action. RDMO.