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Form 3160-5  
(March 2012)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

AUG 28 2012

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

**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.  
Jicarilla Tribal #424  
6. If Indian, Allottee or Tribe Name  
Jicarilla Apache

**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 Capital Management, LLC

8. Well Name and No.  
Logos #1

3a. Address  
4001 North Butler, Building 7101  
Farmington, New Mexico 87401

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

9. API Well No.  
30-043-21119

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1610' FNL & 1710' FWL  
Section 5, Township 22N, Range 5W

10. Field and Pool or Exploratory Area  
Basin Dakota

11. County or Parish, State  
Sandoval, New Mexico

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>Dakota 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 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/BLIA. 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.)

8/13/12: Perforate the lower Dakota from 6342-6492' with a total of 42 (0.43") holes at 1 SPF in two runs.  
8/14/12: Started pumping 1st frac stage on lower Dakota at 1330 hrs. Frac'ed the Lower Dakota with two 1,000 gal 15% HCl stages, 10,000# of 100 mesh sand, followed by 70,700# of 40/70 Ottawa sand in 6480 BBLs of slick-water. Job completed at 1515 hours. AIP at 3875 PSI. Set frac plug at 6300' KB.  
Perforate upper Dakota 5928-6249' at 1 spf for a total of 30 (0.43") holes. Frac'ed the Upper Dakota with two 1,000 gal 15% HCl stages, 11,562# of 100 mesh sand, followed by 125,840# of 40/70 Ottawa sand in 9380 BBLs of slick-water. AIP 3765. Job completed at 2205 hrs. Shut in well and prepared for flowback on 8/15/12

**OIL CONS. DIV DIST. 3**

**AUG 30 2012**

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
Kristy Graham Title Director of Administration and Engineering Support  
Signature *Kristy Graham* Date 08/27/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

Approved by Title Date **AUG 29 2012**  
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 FARMINGTON FIELD OFFICE BY *[Signature]*

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)

NMOCD *AV*