

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

DEC 16 2012

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.
Gicarilla Apache Lease #424

6. If Indian, Allottee or Tribe Name
Gicarilla Apache Nation

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

8. Well Name and No.
Logos #1

9. API Well No.
30-043-21119

10. Field and Pool or Exploratory Area
*Please see sundry summary for Pool information

11. County or Parish, State
Sandoval, New Mexico

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Logos Operating, LLC

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
F-05-22N-05W 1610 FNL 1710 FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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>DK Water Isolation</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 recompleat 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 recompleat 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.)

Pools: Venado Mesaverde 62490, WC22N5W5;Gallup(O) 97968, WC22N5W5;Dakota(O) 97977

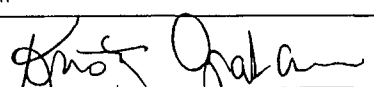
LOGOS contacted Jim Lovato with the BLM on 12/04/12 at 8:40 AM and obtained verbal approval to move a rig to the Logos #1 to isolate water production from the lower Dakota.

LOGOS proposes to TIH with a Cast Iron Cement Retainer to shut off water from the lower Dakota perforation interval. The cement retainer will be set at 6428'. After setting the retainer, LOGOS will sting into the retainer and swab test the lower zones for fluid entry. The cement retainer will be left in place if the lower Dakota perforations are wet or do not contain hydrocarbons. The well will then be put back on production to test the total fluid volume on the well. If the well is still making high water volumes then a second cement retainer will be set at approximately 6230' so that the perforations below the retainer can be swab tested again. LOGOS will leave the CICR in place if the zone is wet or does not contain commercial volumes of hydrocarbons. After testing the zones, LOGOS will return the well to production with the pumping unit.

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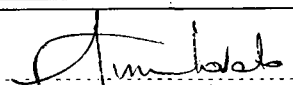
14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
Kristy Graham

Title Director of Administration and Engineering Support

Signature 

Date 12/05/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by 

Title Petr. Eng

Date 12/17/12

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.

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