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Form 3160-5  
(March 2012)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MAY 09 2014

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.*

Farmington Field Office  
Bureau of Land Management

5. Lease Serial No.  
Jicarilla Apache Lease #424  
6. Indian, Allottee or Tribe Name  
Jicarilla Apache Nation

**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 701H

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

3b. Phone No. (include area code)  
505-330-9333

9. API Well No.  
30-043-21202

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Surface: 450' FNL, 510' FWL    Bottom: 660' FNL, 330' FWL  
Section 8, T22N, R5W, UL D    Section 7, T22N, R5W, UL D

10. Field and Pool or Exploratory Area  
WC 22N5W7; GALLUP (O)

11. County or Parish, State  
Sandoval 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>Intermediate Casing</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/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.)

04/29/14 MU directional tools, TIH tag cmt @ 464', DO cmt f/464' t/FC @473', CO to 530'. Start drilling 8-3/4" intermediate hole. 04/30/14 Drill to 4671', pull directional tools. 05/02/14 RIH w/curve BHA, wash/ream to 4671' and drill to KOP @ 4700', cont drilling curve to 5689' int MD on 05/03/14. Circ. 05/04/14 TOH & LD directional tools. TIH w/reamer & CO to 5689', circ. Breakdown reamer/bit. RIH w/134jts 7" 23#, K-55 LT&C csg & land @ 5666' w/FC @ 5621' & stage tool @ 4311'. 05/05/14 RU Halliburton to cmt.

Cement 1st Stage: Preflush w/10bbls FW, 20bbls CW & 10bbls FW. Lead w/110sx(38bbls, 214cf) Halcem cmt w/5#/sx Kol-Seal, 0.125#/sx Poly-E-Flake, & 0.2% HR-5. Tail w/100sx(24bbls, 133cf) Halcem cmt w/0.125#/sx Poly-E-Flake, 5#/sx Kol-Seal, 0.15% CFR-3, 0.3% Halad(R)-9. Drop plug & displace w/71bbls FW & 144bbls mud. Bump plug @ 10:15hr on 05/05/14. Open tool & circ 20bbls cmt to surface.

Cement 2nd Stage: Preflush w/10bbls FW, 20bbls CW, 10bbls FW. Lead w/490sx(167bbls, 939cf) Halcem cmt w/3#/sx Kol-Seal, 0.125#/sx Poly-E-Flake. Tail w/50sx(10bbls, 58cf) Halcem cmt w/.2% Halad-9 Drop plug & displace w/165bbls FW. Bump plug, close stage tool @ 16:45hr on 05/05/14, & circ 35bbls cmt to surface. RD Halliburton.

05/06/14 PU 6-1/8" directional tools & BHA, TAG DV tool @ 4311', circ. 03:00hr PT 7" csg to DV tool @ 1500psi for 30min, good test. DO DV tool, circ. PT 7" csg to FC @ 1500psi for 30mins, good test. ✓

RCVD MAY 13 '14  
OIL CONS. DIV.

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

Tamra Sessions

Title Operations Technician

DIST. 3

Signature

Date 05/09/2014

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)

NMCCD IV

MAY 12 2014

FARMINGTON FIELD OFFICE  
BY: William Tambekou