

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOV 19 2015

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. **JAN 146**
6. If Indian, Allottee or Tribe Name
Jicarilla Apache Nation

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit of CA/Agreement, Name and/or No.
8. Well Name and No. **Logos Jicarilla 9P**
9. API Well No. **30-039-31338**
10. Field and Pool or Exploratory Area
Basin Mancos
11. Country or Parish, State
Rio Arriba, NM

1. Type of Well
 Oil Well Gas Well Other
2. Name of Operator
Logos Operating, LLC
3a. Address **4001 North Butler Ave, Bldg 7101
Farmington, NM 87401**
3b. Phone No. (include area code)
(505) 436-3790
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
901' FSL & 1063' FEL (SE/SE) Sec 9, T25N, R05W, UL P

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"/> 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 checked="" 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 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 is requesting approval to change from a two stage cement job to a three stage cement job to mitigate potential losses. DV tools will be included in the 4-1/2" production casing at approximately 3400' and 5600'. The depth will be adjusted according to the open hole log. The cement program is planned as follows and will be adjusted based on actual conditions:

- Stage 1: Circulate with 1-1/2 hole volumes of mud & preflush with 10bbbls of FW. Lead with 283sks (582cu.ft) Premium Lite HS FM with .25 lbs/sk cello flake & 2% KCL @ 12.5ppg.
- Stage 2: Preflush with 10bbbls of FW. Lead with 221sks (478cu. ft.) Premium Lite FM with 3% Calcium Chloride and .25 lbs/sk cello flake @ 12.1ppg. Tail with 133sks (273cu. ft.) Premium Lite HS FM with .25 lbs/sk cello flake @ 12.5ppg. 50% excess to circ to surface.
- Stage 3: Preflush with 10bbbls of FW. Lead with 459sks (990cu. ft.) Premium Lite FM with 3% Calcium Chloride & .24 lbs/sk cello flake @ 12.1ppg. Tail with 124sks (170cu. ft.) Type III cement with 1% Calcium Chloride @ 14.6ppg. 50% excess to circ to surface.

LOGOS is also giving notice of the change in their BOP from a 2M to a 3M. See the attached Exhibit #1 for details on the BOP equipment. All ram type preventers and related equipment will be hydraulically tested at nipple-up to 250 psi (Low) for 5 minutes and 3000 psi (High) for 10 minutes. All tests and inspections will be recorded in the daily drilling tour book. The blind rams will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All checks of the BOP stack and equipment will be noted on the daily drilling report.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
Tamra Sessions
Title **Regulatory Specialist**
Signature *Tamra Sessions*
Date **11/12/2015**

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____
Office _____

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.

ACCEPTED FOR RECORD

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

RV

FARMINGTON FIELD OFFICE
BY: *William Tambekou*

LOGOS OPERATING, LLC.
DRILLING PLAN

Well Control Equipment Schematic for 3M Service

Exhibit #1
Typical BOP setup

Location: San Juan Basin, New Mexico

