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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

SDRY NOTICE 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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. JAN 108
2. Name of Operator Logos Operating, LLC		6. If Indian, Allottee or Tribe Name Jicarilla Apache Nation
3a. Address 4001 North Butler Ave, Bldg 7101 Farmington, NM 87401	3b. Phone No. (include area code) (505) 436-3790	7. If Unit of CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 807' FNL & 215' FWL (NW/NW) Sec 24, T26N, R05W, UL D		8. Well Name and No. Logos Jicarilla 24D
		9. API Well No. 30-039-31339
		10. Field and Pool or Exploratory Area Basin Mancos
		11. Country or Parish, State Rio Arriba, NM

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 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 detennined 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.

OIL CONS. DIV DIST. 3

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14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Tamra Sessions		Regulatory Specialist	
Signature <i>Tamra Sessions</i>		Title	Date 11/04/2015

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>Abdelgadir Elmadani</i>	Title PE	Date 11/05/15
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 PFO	

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)