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Form 3160-5
(March 2012)

NOV 26 2013

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFARMINGTON FIELD OFFICE
Bureau of Land Management

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.FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 20145. Lease Serial No.
Jicarilla Apache Lease #4246. If Indian, Allottee or Tribe Name
Jicarilla Apache Nation

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
Logos Operating, LLC3a. Address
4001 North Butler Avenue, Building 7101
Farmington, NM 87401

3b. Phone No. (include area code)

505-330-9333

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2470' FSL, 2065' FEL
Section 6, T22N, R5W, UL J

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

RCVD DEC 5 '13

8. Well Name and No.
Logos #12

OIL CONS. DIV.

9. API Well No.
30-043-21160

DIST. 3

10. Field and Pool or Exploratory Area
Wildcat Gallup11. 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>Production 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 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.)

11/15/13 TIH, tag cmt @ 424', DO cmt, FC & shoe @ 455'. CO to 510'. Start drilling 7-7/8" production hole. TD 6280' on 11/19/13 @ 23:00hr. Circ.
11/20/13 RU Weatherford & run open hole logs. RD Weatherford. Circ to TD 6280'.
11/21/13 RIH w/147jts 5-1/2" 17#, P-110, LT&C csg & land @ 6268' w/FC @ 6223' & stage tool @ 4423'. RU BJ to cmt.

Cement 1st Stage: Preflush w/5bbls FW, 10bbls GW & 5bbls FW. Lead w/145sx(55bbls, 309cf) Premium Light H.S. FM w/.25#/sx CelloFlake, .3% CD-32, 6.25#/sx LCM, 1% FL-52A. Tail w/150sx(37bbls, 208cf) Type III w/1% CACI, .25#/sx CelloFlake, .2% FL-52A. Drop plug & displace w/60bbls FW & 84bbls mud. Bump plug @ 23:11hr on 11/21/13, open tool & circ 35bbls cmt to surface. ✓

Cement 2nd Stage: Preflush w/10bbls FW, 10bbls Mud CleanII. Lead w/540sx(191bbls, 1074cf) Premium Light H.S. FM w/.25#/sx CelloFlake, .3% CD-32, 6.25#/sx LCM-1. Tail w/50sx(12bbls, 68cf) Type III w/1% CACI, .25#/sx CelloFlake, .2% FL-52A. Drop plug & displace w/102bbls FW. Land plug, close stage tool @ 05:05hr on 11/22/13, & circ 30bbls cmt to surface. RD BJ. ND BOP.

11/22/13 Install tbq head, NU BOP. 11/23/13 TIH w/ PDC bit, tag cmt @ 4409'. At 03:00hr PT 5-1/2" csg to 950psi for 15mins, test ok. DO cmt & DV tool @ 4423'. Tag cmt @ 6174', CO cmt to FC @ 6223'. Circ. LD bit. RU Bluejet WL, run CBL f/top of FC to surface. RD WL. ND BOP. At 19:30hr PT 5-1/2" csg to 950psi for 30min, test ok. RD RR @ 06:00hr on 11/24/13. ✓

ACCEPTED FOR RECORD

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

Tamra Sessions

Title Operations Technician

DEC 03 2013

Signature

Tamra Sessions

Date 11/26/2013

FARMINGTON FIELD OFFICE
BY TL Salyers

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)

NMOCD