

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.**

5. Lease Serial No.  
Jicarilla Tribal #424

6. If Indian, Allottee or Tribe Name  
Jicarilla Apache

**SUBMIT IN TRIPLICATE** - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Logos Capital Management, LLC

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

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

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

8. Well Name and No.  
Logos #2

9. API Well No.  
30-043-21120

10. Field and Pool or Exploratory Area  
Please see below.

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1930' FSL & 730' FEL  
Section 6, Township 22N, Range 5W

11. County or Parish, State  
Sandoval, New Mexico

**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 Amended Report
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Production Casing
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	and Cement

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.)

Drilled 7-7/8" production hole to 6639' TD @ 6:00 hrs 10/5/12. Ran 159 jts of 5-1/2", 17#, P110, LT&C casing. Land casing at 6639' KB, 1st DV tool at 4473' KB & 2nd DV tool at 2557' KB. Bump plug on 1st stage cement to 2000 psi - held OK. Open DV tool & circulate 30 bbls of cement to surface. Bump plug on 2nd stage to 1120 psi - held OK. Open 2nd DV tool & circulate 30 bbls of cement to surface. Bump plug on 3rd stage to 740 psi, pressure up to 2150 psi to close DV tool - holding OK. Circulate 50 bbls of cement to surface. ND BOP & set slips with 130K in tension. Rig released at 00:00 hrs 10/6/2012.

See attachment for 3 stage cement details.

Pools:  
Venado MesaVerde (O) 62490  
WC 22N5W6; Gallup(O) 97989  
WC 22N5W6; Dakota(O) 97990

RCVD DEC 27 '12  
OIL CONS. DIV.  
DIST. 3

**CONFIDENTIAL**

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

Kristy Graham

Title Director of Administration and Engineering Support

Signature

*Kristy Graham*

Date 12/05/2012

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

**ACCEPTED FOR RECORD**

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

DEC 17 2012  
FARMINGTON FIELD OFFICE  
BY *[Signature]*

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)

NMOCDF

## Logos #2 – production casing/cement sundry (attachment)

**1 stage:** Precede cement w/ 10 bbl water, 20 bbls of mud clean & 5 bbl water pace. Mix & pump 100 sx (198 cf) of Premium Lite w/ 0.25#/sk Cello-Flake, 0.2% CD-32, 0.2% FL-52A. Tail in w/ 250 sx (345 cf) of Type III w/ 1% CaCl<sub>2</sub>, 0.25#/sk Cello-Flake, 0.2% FL-52A. Good circulation throughout job. Pump slurry at 5 bpm. Drop plug & displace cement w/ 112 bbls of water & 41.3.5 bbls of mud (total displacement: 153.4 bbls). PD at 20:30 hrs 10/5/2012. Bump plug to 2000 psi (held pressure ok) – release pressure to check floats, holding OK. Increase pressure & open 1<sup>st</sup> DV tool at 2300 psi. Circulate off top of 1<sup>st</sup> DV tool. Continue pumping and *circulate out 30 bbls of good cement to surface*. Switch over to rig pump and circulate for 4 hrs – good returns entire time.

**2<sup>nd</sup> stage:** Precede cement w/ 10 bbls water & 10 bbls of mud clean. Mix & pump 100 sx (209 cf) of Premium Lite, 1% CaCl<sub>2</sub>, 5#/sk LCM-1, 8% Bentonite. Tail in w/ 226 sx (312 cf) of Type III w/ 1% CaCl<sub>2</sub>, 0.25#/sk Cello Flake, 0.2% FL-52. Drop plug & displace cement w/ 54 bbls of water & 50 bbls of mud (total displacement: 104 bbls ). PD at 03:00 hrs 10/6/2012. Bump plug to 1200 psi (close 1<sup>st</sup> DV tool) – holding pressure OK. Release pressure to check float, held OK. Open cement head & drop dart. Hesitate for 15 mins. Pressure up on 2<sup>nd</sup> DV tool, opened at 1030 psi. Circulate off top of 2<sup>nd</sup> DV tool. Continue pumping and *circulate out 30 bbls of good cement to surface*. Switch over to rig pump & circulate for 4 hrs – good returns entire time.

**3<sup>rd</sup> stage.** Precede cement w/ 10 bbls water & 10 bbls of mud clean. Mix & pump 250 sx (532 cf) of Premium Lite w/ 3% CaCl<sub>2</sub>, 0.25 #/sk Cello-Flake, 5#/sk LCM-1, 8% Bentonite, 0.4% Sodium Metasilicate, 0.4% FL-52A. Tail in w/ 150 sx (204 cf) of Type III w/ 1% CaCl<sub>2</sub>, 0.25#/sk Cello Flake, 0.2% FL-52. Pump slurry at 5 bpm. Drop plug & displace cement w/ 59.3 bbls of water. PD at 09:00 hrs 10/6/2012. Bump plug to 2150 psi (close 2nd DV tool) – holding pressure OK. Release pressure to check float, held OK. *Circulated 50 bbls of good cement to surface*.

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