

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

Amended

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.

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

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.
Logos #2

2. Name of Operator
Logos Capital Management, LLC

9. API Well No.
30-043-21120

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

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

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 recompleate 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 recompleation 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.

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

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

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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

DEC 17 2012

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

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)

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

1st 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% CaCl₂, 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 & 41.35 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 1st DV tool at 2300 psi. Circulate off top of 1st 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.

2nd stage: Precede cement w/ 10 bbls water & 10 bbls of mud clean. Mix & pump 100 sx (209 cf) of Premium Lite, 1% CaCl₂, 5#/sk LCM-1, 8% Bentonite. Tail in w/ 226 sx (312 cf) of Type III w/ 1% CaCl₂, 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 1st DV tool) – holding pressure OK. Release pressure to check float, held OK. Open cement head & drop dart. Hesitate for 15 mins. Pressure up on 2nd DV tool, opened at 1030 psi. Circulate off top of 2nd 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.

3rd stage. Precede cement w/ 10 bbls water & 10 bbls of mud clean. Mix & pump 250 sx (532 cf) of Premium Lite w/ 3% CaCl₂, 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% CaCl₂, 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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