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Form 3160-5  
(March 2012)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MAR 22 2013

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.  
NMNM 109387  
6. If Indian, Allottee or Tribe Name

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

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
Logos Operating, LLC

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
P-05-22N-06W 741 FSL 1263 FEL

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

8. Well Name and No.  
Logos #3

9. API Well No.  
30-043-21135

10. Field and Pool or Exploratory Area  
WC22N6W5; Mesa Verde(O) 96900

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 checked="" 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 type="checkbox"/> Other _____               |
|   | <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 recomplete 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 Operating, LLC complete a water shut off squeeze job in the Mesa Verde formation on the Logos #3.

Please see attached. The Mesa Verde will be filed as a dry hole completion.

RCVD MAR 25 '13  
OIL CONS. DIV.  
DIST. 3

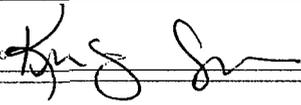
ACCEPTED FOR RECORD

MAR 25 2013

FARMINGTON FIELD OFFICE  
BY J. Salvers

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

Title Production Engineer

Signature 

Date 03/22/2013

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 45 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)

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NMOCD A

**Logos #3**  
**30-043-21135**  
**MV Squeeze Report**

3/12/13

Set CICR @ 3,858'. PT lines to 4,000 psi. PT OK. Sqz'd MV perfs fr/3,908' - 3,918' & 3,953' w/175 sx type 3 cmt (mixed @ 14.8 ppg & 1.33 cu ft/sx yield). Ppd 41 bbls cmt dwn tbg @ 1.5 BPM & 1200 psi. Flshd dwn tbg w/22.3 BFW @ 2.2 BPM. Sqz press increased fr/1000 psi to 1830 psi (final sqz press). Set CICR @ 3,690'. PT lines to 4,000 psi. PT OK. Sqz'd MV perf @ 3,727' w/100 sx type 3 cmt (mixed @ 14.8 ppg & 1.33 cu ft/sx yield). Ppd 24 bbls cmt dwn tbg @ 1 BPM & 1630 psi. Flshd dwn tbg w/20.5 BFW @ 1.7 BPM. Sqz press increased fr/1100 psi to 1890 psi (final sqz press). SD until 3-14-13 for cmt to cure. ✓

3/14/13

TIH and found cement on top of CICR (CICR set @ 3690). Tagged TOC @ 3,458' (232' of cmt). Estb circ & DO cmt fr/3,458' - 3,690' (CICR). Circ well clean. Conduct casing pressure test above top CICR. Load & PT csg to 500 psi for 15 min. Tst OK ✓ DO CICR @ 3,690' (6.5 hrs).

3/15/13

Continue drilling cement below retainer. Estb circ & DO cmt fr/3,693' - 3,860' (CICR), fell through cement after bottom perforation. Conduct pressure test from second CICR to surface. Load & PT csg to 500 psi for 30 min. Tst OK ✓ DO CICR @ 3,860' (4 hrs).

3/16/13

Continue drilling out cement below second CICR. Estb circ & DO cmt fr/3,863' - 3,960'. Circ well cln. Load & PT csg to 500 psi for 30 min. Tst OK ✓ Casing holding pressure. Conduct swab test to ensure squeeze is holding both ways. RU swb tls. Starting fluid level @ surf. Made swab runs to test for fluid entry. SD. Wait to see if FL increases. RIH with swab lines, tag FL at same depth, no fluid entry found. RD swb tls. DO cmt fr/4,926' - 4,970' (CBP). Circ well cln. Squeeze was successful. ✓ Prepare to drill out frac plugs. ✓

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