

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

APR 04 2013  
*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.  
NM 109398

6. If Indian, Allottee or Tribe Name

Farmington Field Office **SUBMIT IN TRIPLICATE** - Other instructions on page 2.

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

Bureau of Land Management

Oil Well     Gas Well     Other

8. Well Name and No.  
Logos #5

2. Name of Operator  
Logos Operating, LLC

9. API Well No.  
30-045-35423

3a. Address  
4001 North Butler Avenue, Building 7101  
Farmington, NM 87401

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

10. Field and Pool or Exploratory Area  
Basin Mancos & Basin Dakota

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
671' FSL, 973' FEL  
Section 4, T23N, R8W, UL P

11. County or Parish, State  
San Juan 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>Completion</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 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 requests approval for the attached completion report on the Logos #5.

RCVD APR 5 '13  
OIL CONS. DIV.  
DIST. 3

ACCEPTED FOR RECORD

APR 04 2013

FARMINGTON FIELD OFFICE  
BY William Tambekou

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

Kristy Graham

Title Production Engineer

Signature Kristy Graham

Date 04/02/2013

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 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)

NMOCDA

Logos #5 – Completion Report:

3/12/13 – Rig up wireline. Perforate interval 5960'-6122' with 2 SPF (total of 34 holes). Frac with 2,000 gal of 12% HCl; 10,001# of 100 mesh sand; 41,545# of 40/70 sand; 4,038 BBLs of slickwater. RU wireline and set composite bridge plug at 5900'. Pressure tested plug to 3000 PSI, held good for 10 min. Perforate interval from 5616'-5770' with 2 SPF (38 total holes). Frac with 2,000 gal of 12% HCl; 10,225# of 100 mesh sand; 82,094# of 40/70 sand; 5,581 BBLs of slickwater. RU wireline and set Frac Plug at 5580'. No test. Set Frac Plug at 5510'. Pressure tested plug to 3000 PSI. Slow leakoff. Move forward with frac'ing. Perforate interval 5370'-5400' with 2 SPF (26 holes). Frac with 2,000 gal of 12% HCl; 10,209# of 100 mesh sand; 82,763# of 40/70 sand; 5,429 BBLs of slickwater.

3/13/13 – RU wireline and set composite bridge plug at 5350', tested plug to 3000 PSI, held good for 10 min. Perforate interval 5253'-5324' with 2 SPF (40 holes). Frac with 2,000 gal of 12% HCl; 10,206# of 100 mesh; 103,450# of 40/70 sand; 70Q Foam (2,939 BBLs of Slickwater and 2.47MMSCF N2). RU wireline and set frac plug @ 5220', tested plug to 3000 PSI for 10 minutes, held good. Perforate interval from 5180'-5196' with 2 SPF (32 holes). Frac with 2,000 gal of 12% HCl; 10,340# 100 mesh sand; 63,250# of 40/70 sand; 70Q Foam (2,441 BBLs of Slickwater and 2.14MMSCF N2).

3/22/13 – MIRU. TIH w/ bit and tubing. Drill out frac plug @ 5222'. Continue and drill out composite bridge plug @ 5352'. Continue and drill out frac plug @ 5512'. Continue and drill out frac plug @ 5582'. Drill out composite bridge plug @ 5902'. Continue cleaning out well to PBDT @ 6390'.

3/26/13 – PU 2-7/8", J-55, 6.5#, tubing/BHA and set EOT @ 5155', SN @ 5122', TAC @ 5057'.

3/27/13 – PU rods/pump and TIH w/ 2" insert pump on 3/4" rods. Test pump for good pump action. RDMO.

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