

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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AUG 11 2014

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 Apache Lease #424
6. 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 ☐ Other

OIL CONS. DIV DIST. 3

2. Name of Operator
Logos Operating, LLC

AUG 14 2014

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

3b. Phone No. (include area code)
505-330-9333

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

8. Well Name and No.
Logos 702H

9. API Well No.
30-043-21219

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface: 440' FNL, 561 FWL Bottom: 1976' FNL, 250' FWL
Section 8, T22N, R5W, UL D Section 7, T22N, R5W, UL E

10. Field and Pool or Exploratory Area
WC 22N5W7; GALLUP (O)

11. 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>Finish 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 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.)

07/07/14 RU AZ395. 07/08/14 ND tbg spool, NU mud cross, spot N2 equip. PT BOP to 3000psi, test ok. RIH w/mill, DO 18 plugs @ 2500', 6469', 6745', 7021', 7297', 7573', 7856', 8125', 8401', 8677', 8953', 9234', 9505', 9781', 10057', 10333', 10614' & 10885'. Last plug DO 7/10/14. Circ, sweep well. 07/11/14 Release N2 equip. POOH, LD tbg & mill. ND BOP. RDRR 07/11/14. ND mud cross, NU master valve. Start flowback.

✓ 07/17/14 Well Test: 24HRS, 632bopd, 366bwpd, Gas (to be reported at a later date), Flowing Csg Psi 225, Tbg Psi N/A.

07/20/14 MIRU AZ395. ND WH, NU BOP. TIH w/bit & work string. 07/21/14 Spot N2 equip & unload well w/N2 & foam. Circ & CO to 11,020'. LD work string & bit. RU Bluejet for intermediate cmt sqz. Set 4-1/2" CBP @ 5407', Load 4-1/2" csg w/2% KCL, PT CBP to 2200psi, test ok. POOH w/125jts 4-1/2" 11.6# P110 Tie-back string & LD. Perf 3 sqz holes @ 2361'. Est inj rate.

07/23/14 TIH w/packer & set @ 2161'. Preflush w/10bbls FW, pump 484sx(101bbls, 566cf) Type III cmt, displace w/9bbls FW. No circ thru bradenhead. WOC Release packer. 07/24/14 TOOH LD packer. TIH tag cmt @ 2310'. RU power swivel, drlg cmt f/2310'-2370'. PT csg to 500psi for 30min, good test, TOOH w/bit & LD. RU Bluejet, run CBL f/2400' to 500'.

ACCEPTED FOR RECORD

AUG 11 2014

Cont. on page 2.....

FARMINGTON FIELD OFFICE
BY: William Tambekou

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

Tamra Sessions

Title Operations Technician

Signature

Tamra Sessions

Date 08/08/2014

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 RESOURCES, LLC
LOGOS 702H
API 30-043-21219
Finish Completion cont.

See sundry dated 7/24/14 for apvl on 2nd sqz. Perf 3 sqz holes @ 1705', obtain circ thru bradenhead, TIH w/packer & set @ 1546'.

07/25/14 preflush w/10bbls FW, pmp 282sx (81bbls, 457cf) type III cmt, lost circ, tail w/85sx(18bbls, 99cf) Type G cmt, dispace w/12bbls FW, no cmt to surface. WOC. Release packer.

07/26/14 TOH w/packer LD, TIH w/bit, tag cmt at 1592', DO hard cmt f/1592' to 1845'. Circ. TOOH w/bit. RU Bluejet, **run CBL**, good bond @ 1100'. Will not be able to circ below 650'. Top of OJO @ 1350'. Contact Jim Lovato (BLM) & Brandon Powell (OCD) it was agreed **no further remediation required**, proceed with operations. Monitor backside pressure during rest of completion operations, run bradenhead test prior to this rig moving off, then run bradenhead test annually. TIH w/6-1/4" bit.

07/27/14 Drl hard cmt f/1845' to 2112'. PT sqz holes @ 1750' & csg to 520psi for 30min, test ok. Bradenhead shut in @ 11:00hrs 7/25/14, check pressure on 7/27/14, on small vacuum. Drlg hard cmt f/2112' to 2365', circ. PT csg to 600psi for 30 min, test ok. POOH LD bit.

07/28/14 TIH with bit & tag CBP @ 5407'. **Perform bradenhead test** w/NMOCD (Jonathon Kelly) as witness. Hold 500psi N2 pressure on csg. Check Bradenhead pressure, good. See attached Bradenhead Test Report. DO CBP @ 5407', circ clean.

07/29/14 ND stripping head, NU BOP. RIH w/160jts 2-3/8" 4.7# J-55 tbg, land @6119' w/SN @ 6084'. Set packer w/10K tension, NU B-1 WH. Unload w/N2. Cont flowback. RDRR @ 23:30hr on 07/29/14.



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-6178 FAX: (505) 334-6170
<http://emnr.state.nm.us/ocd/District/III/3district.htm>

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 7.28.14 Operator Loggs API # 30-043-21219
Property Name Loggs Well No. 7214 Location: Unit D Section 8 Township 22N Range 5W
Well Status (Shut-In) or Producing Initial PSI: Tubing NA Intermediate NA Casing 200 Bradenhead -2.4

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing TIME	PRESSURE			INTERM	
	BH	Bradenhead Int	Csg	Int	Csg
5 min	0		300		
10 min	0		475		
15 min	0		500		
20 min					
25 min					
30 min					

	FLOW CHARACTERISTICS	
	BRADENHEAD	INTERMEDIATE
Steady Flow		
Surges		
Down to Nothing		
Nothing		
Gas		
Gas & Water		
Water		

If bradenhead flowed water, check all of the descriptions that apply below:

CLEAR _____ FRESH _____ SALTY _____ SULFUR _____ BLACK _____

5 MINUTE SHUT-IN PRESSURE

BRADENHEAD 0

INTERMEDIATE _____

REMARKS:

Braden head Blew down in 2 min. 30 sec. (was on a vacuum)
Blew down through 1/2 needle valve

By Jeremy Brington
Lease operator
(Position)

Witness

[Signature]

E-mail address _____