

RECEIVED

Revised

Form 3160-3  
(March 2012)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NOV 21 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.  
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 ☐ Other2. Name of Operator  
Logos Operating, LLC3a. Address  
4001 North Butler Avenue, Building 7101  
Farmington, NM 874013b. Phone No. (include area code)  
505-330-9333

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

8. Well Name and No.  
Logos #89. API Well No.  
30-043-2115610. Field and Pool or Exploratory Area  
Wildcat Gallup4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1640' FNL, 2250' FEL  
Section 5, T22N, R5W, UL G11. 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 1st Delivery
	<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.)

OIL CONS. DIV DIST. 3

11/15/13 Well Test: tested for 24HRS, 12bopd, 147bwpd (flowback water), Gas 135mcf, Csg Psi 435, Tbg Psi N/A.

NOV 26 2013

11/05/13 Finished flowback.

11/07/13 MIRU AWS 656. ND frac stack, NU BOP. TIH w/bit to top plug. DO CFP @ 5160' &amp; 5378'.

11/08/13 DO CFP @ 5530 &amp; @ 6004', Circ &amp; CO to PBTD @ 6256'. TOOH &amp; LD bit. TIH w/pkr &amp; set @ 6002'. Swab.

11/09/13 Release pkr &amp; set @ 5813'. Swab. RD swab tools. TOOH w/pkr &amp; LD. RIH w/ 189jts 2-7/8" 6.5# J-55 tbg &amp; land at 6195' w/SN @ 6164'. ND BOP, NU WH.

11/10/13 RIH w/rods &amp; RHAC pump, space out. PT tbg to 500psi for 15min, good. RDRR @ 13:30hr on 11/10/13.

First produced oil 11/02/13 during flowback.

First delivered gas on 11/14/13 @ 13:10hr.

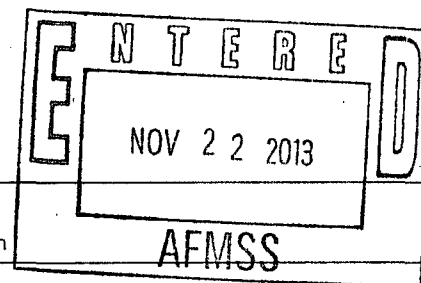
TP: RODS, CP: 435, Initial MCF: 191mcf

GAS Co.: WFS, METER No.: 89974

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

Tamra Sessions

Title Operations Technician



Signature

Tamra Sessions

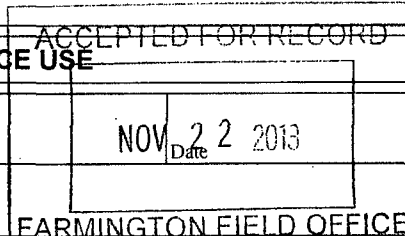
Date 11/19/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office



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.

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

NOV 21 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.  
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

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

8. Well Name and No.  
Logos #8

2. Name of Operator  
Logos Operating, LLC

9. API Well No.  
30-043-21155

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

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

10. Field and Pool or Exploratory Area  
Wildcat Gallup

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1640' FNL, 2250' FEL  
Section 5, T22N, R5W, UL G

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 1st Delivery
	<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.)

11/15/13 Well Test: tested for 24HRS, 12bopd, 147bwpd (flowback water), Gas 135mcf, Csg Psi 435, Tbg Psi N/A.

11/05/13 Finished flowback.

11/07/13 MIRU AWS 656. ND frac stack, NU BOP. TIH w/bit to top plug. DO CFP @ 5160' & 5378'.

11/08/13 DO CFP @5530 & @6004', Circ & CO to PBTD @ 6256'. TOOH & LD bit. TIH w/pkr & set @ 6002'. Swab.

11/09/13 Release pkr & set @ 5813'. Swab. RD swab tools. TOOH w/pkr & LD. RIH w/ 189jts 2-7/8" 6.5# J-55 tbg & land at 6195' w/SN @ 6164'. ND BOP, NU WH.

11/10/13 RIH w/rods & RHAC pump, space out. PT tbg to 500psi for 15min, good. RDRR @ 13:30hr on 11/10/13.

First produced oil 11/02/13 during flowback.

First delivered gas on 11/14/13 @ 13:10hr.

TP: RODS, CP: 435, Initial MCF: 191mcf

GAS Co.: WFS, METER No.: 89974

OIL CONS. DIV DIST. 3

NOV 26 2013

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

Tamra Sessions

Title Operations Technician

Signature

*Tamra Sessions*

Date 11/19/2013

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

NOV 22 2013  
Date

Title

Office

FARMINGTON FIELD OFFICE

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.

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)

NMCCD