

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG  
NOV 21 2013

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Directional  
 Other: \_\_\_\_\_  
 District Office  
Bureau of Land Management

2. Name of Operator  
Logos Operating, LLC

3. Address 4001 North Butler Ave, Building 7101 Farmington, NM 87401  
 3a. Phone No. (include area code) 505-330-9333

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 1930' FSL & 330' FWL, UL L  
 At surface Same as above.  
 At top prod. interval reported below  
 At total depth Same as above.

CONFIDENTIAL

5. Lease Serial No.  
Jicarilla Apache Lease 424

6. If Indian, Allottee or Tribe Name  
Jicarilla Apache Nation

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
Logos #10

9. API Well No.  
30-043-21158

10. Field and Pool or Exploratory  
Wildcat Gallup

11. Sec., T., R., M., on Block and Survey or Area Sec. 6, T22N, R5W

12. County or Parish Sandoval  
 13. State NM

14. Date Spudded 10/28/2013  
 15. Date T.D. Reached 11/01/2013  
 16. Date Completed 11/20/2013  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
6984' GL

18. Total Depth: MD TVD 6450'  
 19. Plug Back T.D.: MD TVD 6400'  
 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
GR/CCL/CBL/Neutron/Density/Electric  
 22. Was well cored?  No  Yes (Submit analysis)  
 Was DST run?  No  Yes (Submit report)  
 Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	9-5/8" J-55	36	0	503'	N/A	254 sks	63 bbls	surface	30 bbls
7-7/8"	5-1/2" P-110	17	0	6445'	4486'	895 sks	295 bbls	surface	60 bbls

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

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	not yet							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Gallup	4330'	6173'	4998'-6150'	0.38"	222	open
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
6082'-6150'	Frac w/57bbls of 12% HCL; 4087bbls Slickwater, 11,596# 100Mesh, 40,237# 40/70 Ottawa Sand
5852'-5966'	Frac w/66bbls of 12% HCL; 3789bbls Slickwater, 10,051# 100Mesh, 30,419# 40/70 Ottawa Sand
5352'-5460'	Frac w/53bbls of 12% HCL; 2743bbls Slickwater 70Q N2, 7,185# 100Mesh, 112,501# 40/70 Ottawa Sand, 2.5mmscf N2
5188'-5318'	**see #32 for 5th Frac w/71bbls of 12% HCL; 2907bbls Slickwater 70Q N2, 8,878# 100Mesh, 108,694# 40/70 Ottawa Sand, 2.5mmscf N2

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→	0	0	0			Flowtest will be reported on 1st Delivery.
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
		0	→	0	0	0			

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD

NOV 25 2013

\*(See instructions and spaces for additional data on page 2)

NMCCD

FARMINGTON, NM  
BY T. Salyers

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Ojo Alamo Kirtland	1363 1570				
Fruitland Pictured Cliffs	----- 1910				
Lewis Cliff House	2020 3420				
Menefee Point Lookout	----- 4140				
Mancos Gallup	4330 5230				
Greenhorn Graneros	6125 6173				
Dakota	6195				

32. Additional remarks (include plugging procedure):

#27  
\*\*4998'-5102' Frac w/55bbbls of 12% HCL; 4847bbbls of slickwater, 6,670# of 100Mesh; 103,069# 40/70 sand.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)     
  Geologic Report     
  DST Report     
  Directional Survey  
 Sundry Notice for plugging and cement verification     
  Core Analysis     
  Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Tamra Sessions      Title Operations Technician  
 Signature *Tamra Sessions*      Date 11/21/2013

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.