

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Amended Perfs

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

NOV 10 2013

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
Jicarilla Apache Lease 424

a. Type of Well: Oil Well Gas Well Dry Other
b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Resrv.,
Other: _____

6. If Indian, Allottee or Tribe Name
Jicarilla Apache Nation
7. Unit or CA Agreement Name and No.

2. Name of Operator
Logos Operating, LLC

8. Lease Name and Well No.
Logos #9

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

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

9. API Well No.
30-043-21157-0081

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

10. Field and Pool or Exploratory
Wildcat Gallup

1400' FNL & 355' FEL, UL H

11. Sec., T., R., M., on Block and
Survey or Area Sec. 5, T22N, R5W

At surface

Same as above.

At top prod. interval reported below

12. County or Parish
Sandoval
13. State
NM

At total depth Same as above.

14. Date Spudded
10/19/2013

15. Date T.D. Reached
10/23/2013

16. Date Completed 11/13/2013
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
6857' GL

18. Total Depth: MD
TVD 6306'

19. Plug Back T.D.: MD
TVD 6254'

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 Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	9-5/8" J-55	36	0	502'	N/A	254 sks	63 bbls	surface	15 bbls ✓
7-7/8"	5-1/2" P-110	17	0	6302'	4418'	885 sks	291 bbls	surface	50 bbls ✓
									RCVD NOV 22 '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	4325'	6159'	4986'-6122'	0.38"	267	open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
6034'-6122'	Frac w/48bbls of 15% HCl; 1101bbls Slickwater, 9,587# 100Mesh
5800'-5937'	Frac w/68bbls of 15% HCl; 4390bbls Slickwater, 5,000# 100Mesh, 67,967# 40/70 Ottawa Sand
5374'-5452'	Frac w/48bbls of 15% HCl; 5375bbls Slickwater 70Q N2, 10,000# 100Mesh, 110,850# 40/70 Ottawa Sand, 2.3mmscf N2
5208'-5338' **see #32 for 5th	Frac w/48bbls of 15% HCl; 4097bbls Slickwater 70Q N2, 10,000# 100Mesh, 128,720# 40/70 Ottawa Sand, 2.0mmscf 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

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

NOV 21 2013

NMOCDAV

FARMINGTON FIELD OFFICE
BY T. Saliers

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	1367 1531				
Fruitland Pictured Cliffs	1765 1902				
Lewis Cliff House	2003 3380				
Menefee Point Lookout	3445 4095				
Mancos Gallup	4325 5205				
Greenhorn Graneros	6115 6160				
Dakota	6184				

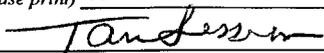
32. Additional remarks (include plugging procedure):

#27
**5986'-5106' Frac w/48bbbls of 15% HCl; 4762 bbls of slickwater, 10,773# of 100Mesh; 84,160# 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  Date 11/19/2013

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.