

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Amended Perfs

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014NOV 10 2013
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. Jicarilla Apache Lease 424							
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____		6. If Indian, Allottee or Tribe Name Jicarilla Apache Nation							
2. Name of Operator Logos Operating, LLC		7. Unit or CA Agreement Name and No.							
3. Address 4001 North Butler Ave, Building 7101 Farmington, NM 87401		8. Lease Name and Well No. Logos #9							
3a. Phone No. (include area code) 505-330-9333		9. API Well No. 30-043-21157-0681							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* 1400' FNL & 355' FEL, UL H At surface Same as above. At top prod. interval reported below At total depth Same as above.		10. Field and Pool or Exploratory Wildcat Gallup							
14. Date Spudded 10/19/2013		11. Sec., T., R., M., on Block and Survey or Area Sec. 5, T22N, R5W							
15. Date T.D. Reached 10/23/2013		12. County or Parish Sandoval							
16. Date Completed 11/13/2013 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		13. State NM							
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? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> 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 Sk. & 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				26. Perforation Record					
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, 2.3mmcsf 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, 2.0mmcsf 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. 0	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→	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	
			→						

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

ACCEPTED FOR RECORD

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 SessionsTitle Operations TechnicianSignature Tamra SessionsDate 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.