

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		1b. 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. Resist		DEC 05 2013					
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)* 2470' FSL & 2065' FEL, UL J At surface Same as above. At top prod. interval reported below At total depth Same as above.				OIL CONS. DIV DIST. 3 DEC 09 2013					
14. Date Spudded 11/14/2013		15. Date T.D. Reached 11/19/2013		16. Date Completed 12/05/2013 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.					
18. Total Depth: MD TVD 6280'		19. Plug Back T.D.: MD TVD 6223'		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 Sks. & 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	6268'	4423'	885 sks	295 bbls	surface	65 bbls
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		4310'	6160'	4974'-6147'		0.38"	228	open	
B)									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
6064'-6147'		Frac w/48bbls of 12% HCL; 4036bbls Slickwater, 10,237# 100Mesh 40,820# 40/70 Ottawa Sand							
5840'-5950'		Frac w/52bbls of 12% HCL; 7577bbls Slickwater, 4,749# 100Mesh, 64,381# 40/70 Ottawa Sand							
5329'-5454'		Frac w/56bbls of 12% HCL; 2740bbls Slickwater 70Q N2, 10,075# 100Mesh, 101,761# 40/70 Ottawa Sand, 2.1mmcsf N2							
5192'-5296' **see #32 for 5th		Frac w/50bbls of 12% HCL; 2746bbls Slickwater 70Q N2, 9,776# 100Mesh, 100,263# 40/70 Ottawa Sand, 2.07mmcsf 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	
			→						

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

NMOCD/A

DEC 9 2013

ACCEPTED FOR RECORD

SAIERS

## 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	1352 1544				
Fruitland Pictured Cliffs	----- 1886				
Lewis Cliff House	2000 3394				
Menefee Point Lookout	----- 4120				
Mancos Gallup	4310 5202				
Greenhorn Graneros	6112 6160				
Dakota	6180				

32. Additional remarks (include plugging procedure):

#27  
 \*\*4974'-5082' Frac w/46bbbls of 12% HCL; 4725 bbls of slickwater, 10,283# of 100Mesh; 108,180# 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 Technician

Signature \_\_\_\_\_

Date 12/05/2013

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.

(Continued on page 3)

(Form 3160-4, page 2)