

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

RECEIVED

APR 11 2014

Farmington Field Office  
Bureau of Land Management

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.,  
 Other: \_\_\_\_\_

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)\*  
 At surface 348' FNL & 331' FEL, UL A  
 At top prod. interval reported below Same as above.  
 At total depth Same as above.

5. Lease Serial No.  
NM 109399

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
Warner-Caldwell 1A

9. API Well No.  
30-045-35505-0051

10. Field and Pool or Exploratory  
Nageezi Gallup

11. Sec., T., R., M., on Block and Survey or Area Sec. 8. T23N, R8W

12. County or Parish  
San Juan

13. State  
NM

14. Date Spudded 03/19/2014

15. Date T.D. Reached 03/25/2014

16. Date Completed 04/05/2014  
 D & A  Ready to Prod.

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

18. Total Depth: MD  
TVD 6170'

19. Plug Back T.D.: MD  
TVD 6125'

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	332'	N/A	101 sks	29 bbls	surface	6 bbls
7-7/8"	5-1/2" P-110	17	0	6170'	4238'	900 sks	288 bbls	surface	80 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

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Gallup	4093'	6009'	5074'-6005'	0.385"	159	open
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
5942'-6005'	Frac w/48bbls of 15% HCL; 4651bbls Slickwater, 10,000# 100Mesh, 66,562# 40/70 Ottawa Sand
5316'-5392'	Frac w/24bbls of 15% HCL; 2380bbls Slickwater 70Q N2, 10,000# 100Mesh, 81,918# 40/70 Ottawa Sand. 2.104mmscf N2
5197'-5270'	Frac w/24bbls of 15% HCL; 2200bbls Slickwater 70Q N2, 10,000# 100Mesh, 105,358# 40/70 Ottawa Sand, 2.088mmscf N2
5074'-5147'	Frac w/24bbls of 15% HCL; 3338bbls Slickwater, 10,180# 100Mesh, 94,702# 40/70 Ottawa Sand

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

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			

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
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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	862 1078				
Fruitland Pictured Cliffs	1496 ---				
Lewis Cliff House	--- ---				
Menefee Point Lookout	--- 3966				
Mancos Sanostee	4093 5697				
Greenhorn Graneros	5938 6009				
Dakota	---				

32. Additional remarks (include plugging procedure):

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 04/11/2014

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.