

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

JUL 16 2014

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)*
1256' FNL & 2298' FWL, UL C
At surface
Same as above.
At top prod. interval reported below
At total depth Same as above.

5. Lease Serial No.
NM 109397

6. Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
Logos 4

9. API Well No.
30-045-35420 -- 0651

10. Field and Pool or Exploratory
Basin Mancos

11. Sec., T., R., M., on Block and
Survey or Area
Sec. 1, T23N, R08W

12. County or Parish
San Juan

13. State
NM

14. Date Spudded
12/27/2013

15. Date T.D. Reached
01/03/2014

16. Date Completed 07/03/2014
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
6934' GL

18. Total Depth: MD
TVD 6364'

19. Plug Back T.D.: MD
TVD 6315'

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

OIL CONS. DIV DIST. 3

JUL 18 2014

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	9-5/8" J-55	36	0	322'	N/A	172 sks	42 bbls	surface	20 bbls
7-7/8"	5-1/2" P-110	17	0	6360'	4432'	885 sks	295 bbls	surface	60 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"	5793'								

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Mancos	4423'	6221'		5292'-6218'	0.38"	156	open
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, etc.		Amount and Type of Material
Depth Interval		
6155' - 6218'		Frac w/47bbls of 15% HCL; 4453bbls Slickwater, 10464# 100Mesh, 61960# 40/70 Ottawa Sand, 16923# resin
5524' - 5600'		Frac w/24bbls of 15% HCL; 2702bbls 70Q Foam, 10168# 100Mesh, 73245# 20/40 sand & 15435# resin, N2: 1.89MMSCF
5422' - 5500'		Frac w/24bbls of 15% HCL; 2647bbls 70Q Foam, 10307# 100Mesh, 108460# 20/40 sand & 16239# resin, N2: 2.82MMSCF
5292' - 5384'		Frac w/24bbls of 15% HCL; 4636bbls Slickwater, 9221# 100Mesh, 111845# 20/40 sand & 15670# resin

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
07/08/14			→	0	0	0			7/8/14 1st prod is oil only Flowtest will be reported on gas 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
			→						ACCEPTED FOR RECORD
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

JUL 17 2014

FARMINGTON FIELD OFFICE
BY: William Tambekou

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

CONFIDENTIAL

NMOCDA

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	1158 1345				
Fruitland Pictured Cliffs	1657 1858				
Lewis Chacra	1989 2261				
Cliff House	3348				
Menefee Point Lookout	3391 4272				
Mancos Gallup	4423 5251				
Greenhorn Graneros	6155 6221				

32. Additional remarks (include plugging procedure):

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

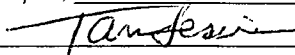
- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

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



Date 07/16/2014

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.