

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 08 2014

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOGBOOK

Lease Serial No.  
NM109399

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
Logos Operating, LLC8. Lease Name and Well No.  
Warner-Caldwell 3B3. Address 4001 North Butler Ave, Building 7101  
Farmington, NM 874013a. Phone No. (include area code)  
505-330-93339. API Well No.  
30-045-35506 - 0051

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

384' FNL &amp; 1960' FEL, UL B

At surface

10. Field and Pool or Exploratory  
Nageezi Gallup11. Sec., T., R., M., on Block and  
Survey or Area Sec. 8, T23N, R8W

Same as above.

At top prod. interval reported below

At total depth Same as above.

CONFIDENTIAL

12. County or Parish  
San Juan  
13. State  
NM14. Date Spudded  
03/10/201415. Date T.D. Reached  
03/17/201416. Date Completed 04/03/2014  
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)\*  
6867' GL18. Total Depth: MD  
TVD 6155'19. Plug Back T.D.: MD  
TVD 6095'20. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
GR/CCL/CBL/Neutron/Density/Electric22. 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	342'	N/A	101 sks	29 bbls	surface	7 bbls
7-7/8"	5-1/2" P-110	17	0	6140'	4210'	900 sks	273 bbls	surface	66 bbls

RCVD APR 9 '14  
OIL CONS. DIV.  
LIST 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	4140'	5994'	5062'-5990'	0.385"	156	open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5926'-5990'	Frac w/48bbls of 15% HCL; 4174bbls Slickwater, 10,180# 100Mesh 68,943# 40/70 Ottawa Sand
5312'-5390'	Frac w/24bbls of 15% HCL; 2234bbls Slickwater 70Q N2, 9,930# 100Mesh, 86,240# 40/70 Ottawa Sand, 1.8mmcsf N2
5186'-5262'	Frac w/24bbls of 15% HCL; 2387bbls Slickwater 70Q N2, 11,044# 100Mesh, 112,004# 40/70 Ottawa Sand, 2.0mmcsf N2
5062'-5142'	Frac w/24bbls of 15% HCL; 3777bbls Slickwater, 8,866# 100Mesh, 79,153# 40/70 Ottawa Sand

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)

ACCEPTED FOR RECORD

APR 09 2014

NMOCDA

FARMINGTON FIELD OFFICE  
BY: William Lambekou

## 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	852 1064				
Fruitland Pictured Cliffs	1490 3964				
Lewis Cliff House	2000 3394				
Menefee Point Lookout	----- -----				
Mancos Sanostee	4140 5704				
Greenhorn Graneros	5924 5994				
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 SessionsTitle Operations Technician

Signature

Tamra SessionsDate 04/08/2014

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.

(Continued on page 3)

(Form 3160-4, page 2)