

Form 3160-4
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 11 2017

SEP 18 2017

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

Farmington Field Office

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other 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. Zones <input type="checkbox"/> Hydraulic Fracturing Other: _____						6. If Indian, Allottee or Tribe Name 7. Unit or CA Agreement Name and No. NMNM135257					
2. Name of Operator LOGOS Operating, LLC						8. Lease Name and Well No. LOGOS 2406 29H Com 13					
3. Address 2010 Afton Place, Farmington, NM 87401						3a. Phone No. (Include area code) 505-324-4145					
4. Location of Well (Report location clearly and in accordance with Federal requirements)* 2410' FNL 330' FEL, SE/NE, H Sec 29, T24N, R6W At surface same as above At top prod. interval reported below At total depth same as above						10. Field and Pool or Exploratory Devils Fork Gallup (Associated) 11. Sec., T., R., M., on Block and Survey or Area Sec 29, T24N, R6W 12. County or Parish Rio Arriba 13. State NM					
14. Date Spudded 5/24/2017			15. Date T.D. Reached 8/15/2017			16. Date Completed 09/07/2017 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.			17. Elevations (DF, RKB, RT, GL)* 6891' GL		
18. Total Depth: MD TVD 6920'			19. Plug Back T.D.: MD TVD 6875'			20. Depth Bridge Plug Set: MD TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR/CCL						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 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'	333' KB	N/A	101 sks	29 bbls	0' circ	10 bbls		
7-7/8"	4-1/2" P110	11.6#	0'	6918' KB	2376'	1285 sks	422 bbls	0' circ	98 bbls		
24. Tubing Record											
Size	Dept Set (MD)	Packer Dept (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)			
2-3/8"	not yet										
25. Producing Intervals											
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status			
A) Gallup		5426'	6523'	5735'-5765'		0.39	36	open			
B)											
C)											
D)											
27. Acid, Fracture, Treatment, Cement Squeeze, Post hydraulic fracturing chemical disclosures on FracFocus.org											
Depth Interval		Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus.org									
5735'-5765'		Frac w/116bbls Treated H2O, 638bbls 70%N2 Form, 89bbls Gel H2O, 180000# 20/40 Arlon PRC Sand, 1.28mm scf 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		
			➔						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			
			➔								
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)

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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 Lewis	1587 2394				
Chacra Cliff House	3042 3809				
Menefee Point Lookout	3826 4532				
Mancos Gallup	4821 5426				
Greenhorn Grenaros	6474 6523				
Dakota Morrison	6558 6884				

32. Additional remarks (include plugging procedure).

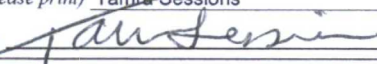
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ 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 Regulatory Specialist

Signature

Date 09/08/2017

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.