

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFarmington Field Office
Bureau of Land ManagementFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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		5. Lease Serial No. NMNM18463
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		6. If Indian, Allottee or Tribe Name
Other: _____		7. Unit or CA Agreement Name and No. NMNM 138586
2. Name of Operator LOGOS Operating, LLC		8. Lease Name and Well No. Heros 2308 09L Com 3H
3. Address 2010 Afton Place, Farmington, NM 87401		9. API Well No. 30-045-35848
3a. Phone No. (Include area code) 505-787-2218		10. Field and Pool or Exploratory Nageezi Gallup
4. Location of Well (Report location clearly and in accordance with Federal requirements)* 1476' FSL 270' FWL, NW/SW, L Sec 09, T23N, R8W At surface At top prod. interval reported below At total depth 593' FSL 30' FEL, SE/SE, P Sec 09, T23N, R8W		11. Sec., T., R., M., on Block and Survey or Area Sec 09, T23N, R8W
		12. County or Parish San Juan
		13. State NM

14. Date Spudded 4/26/2018	15. Date T.D. Reached 6/1/2018	16. Date Completed 08/04/2018 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.	17. Elevations (DF, RKB, RT, GL)* 6913' GL
18. Total Depth: MD 10325' TVD 5263'	19. Plug Back T.D.: MD 10270' TVD 5263'	20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)		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 type="checkbox"/> No <input checked="" 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'	339' GL	n/a	101 sks	29 bbls	0' CIR	8 bbls
8-3/4"	7" J-55 P110	23# 26#	0'	5947"	n/a	920 sks	284 bbls	0' CIR	90 bbls
6-1/8"	4-1/2" P110	11.6#	5796'	10316"	n/a	415 sks	101 bbls	5796' CIR	25 bbls

24. Tubing Record

Size	Depth Set (MD)	Packer Dept (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	5792'	5537'	2-7/8"	5519'				

25. Producing Intervals

Formation	Top	Bottom	Perforation Interval	Size	No. Holes	Perf. Status
A) Gallup	4915' VD	5312' VD	9922'-10247' MD	0.38" / 3spf	80	open
B)			9893'-6236' MD	0.38" / 2spf	552	open
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
6236'-10247' MD	Frac w/7,136,617# 20/40 Arizona Sand, 1,419,530gals 70% Linear Gel N2 Foam, 51,536,740scf 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
8/5/18	8/5/18	12	➡	222	31	124			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
34/64	300	678	➡	222	256	124		Flowing	

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. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			➡						

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

RECEIVED

SEP 11 2018

ACCEPTED FOR RECORD

SEP 13 2018

FARMINGTON FIELD OFFICE

By: _____

NMOCD

SEP 17 2018

DISTRICT III

NMOCD

CONFIDENTIAL

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	946				
Kirtland	1018				
Fruitland	1193				
Pictured Cliffs	1547				
Chacra	1955				
Cliff House	3029				
Menefee	3096				
Point Lookout	3975				
Mancos	4155				
Gallup	4915				
Lower Gallup	5312				

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*) Marie E Florez Title Regulatory Specialist
 Signature  Date 09/11/2018

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.