

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 30 2018

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Farmington Field Office
Bureau of Land Management

5. Lease Serial No.
NMNM18463

1a. Type of Well Oil Well Gas Well Dry Other
b. Type of Completion New Well Work Over Deepen Plug Back Diff. Zones Hydraulic Fracturing
Other: _____

6. If Indian, Allottee or Tribe Name

2. Name of Operator
LOGOS Operating, LLC

7. Unit or CA Agreement Name and No.
NMNM 138586

3. Address
2010 Afton Place, Farmington, NM 87401

3a. Phone No. (Include area code)
505-787-2218

8. Lease Name and Well No.
Heros 2308 09L Com 4H

4. Location of Well (Report location clearly and in accordance with Federal requirements)
At surface 1476' FSL 300' FWL, NW/SW, L Sec 09, T23N, R8W

10. Field and Pool or Exploratory
Nageezi Gallup

11. Sec., T., R., M., on Block and Survey or Area
Sec 09, T23N, R8W

At top prod. interval reported below
At total depth 2099' FNL 264' FEL, SE/NE, H Sec 16, T23N, R8W

12. County or Parish
San Juan

13. State
NM

14. Date Spudded
5/4/2018

15. Date T.D. Reached
5/29/2018

16. Date Completed
07/27/2018
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
6913' GL

18. Total Depth: MD 10533'
TVD 5227'

19. Plug Back T.D.: MD 10466'
TVD 5227'

20. Depth Bridge Plug Set: MD
TVD

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

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	9-5/8" J-55	36#	0'	322 GL	n/a	101 sks	29 bbls	0' CIR	8 bbls
8-3/4"	7" J-55, P110	23#, 26#	0'	5973'	n/a	965 sks	293 bbls	0' CIR	105 bbls
6-1/8"	4-1/2" P110	11.6#	5835'	10511'	n/a	440 sks	107 bbls	5835' 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"	6162'	5749'	2-7/8"	5731'				

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Gallup	4893' VD	5290' VD	10056'-10442' MD	0.38" / 3spf	88	open
B)			6437'-10026' MD	0.38" / 2spf	456	open
C)						
D)						

ACCEPTED FOR RECORD

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
6437'-10442' MD	Frac w/6,695,592# 20/40 Arizona Sand, 1,282,933gals 70% Linear Gel N2 Foam, 45,198,599scf N2

FARMINGTON FIELD OFFICE
By: _____

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	➡	189	347	164			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
38/64	260	668	➡	369	571	297		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.	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	943				
Kirtland	1019				
Fruitland	1194				
Pictured Cliffs	1547				
Chacra	1948				
Cliff House	3021				
Menefee	3089				
Point Lookout	3950				
Mancos	4138				
Gallup	4893				
Lower Gallup	5290				

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 08/29/2018

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