

Form 3160-4
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2021

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.	NMSF078764
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1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other

b. Type of Competition ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Zones ☐ Hydraulic Fracturing

Other: _____

2. Name of Operator
LOGOS Operating, LLC

3. Address
2010 Afton Place, Farmington, NM 87401

3a. Phone No. (Include area code)
(505) 278-8720

6. If Indian, Allottee or Tribe Name	
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7. Unit or CA Agreement Name and No.	NMNM78407E
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8. Lease Name and Well No.	ROSA UNIT 664H
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9. API Well No.	30-039-31418
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10. Field and Pool or Exploratory Basin Mancos
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11. Sec., T., R., M., on Block and Survey or Area	Sec 30, T31N, R5W
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12. County or Parish Rio Arriba County	13. State New Mexico
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4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 2260' FSL 966' FWL, NESW K, Sec 30 T31N R05W

At top prod. interval reported below

At total depth 904' FSL 1516' FEL, SWSE O, Sec 28 T31N R05W

14. Date Spudded
4/4/2022

15. Date T.D.
Reached 06/21/2022

16. Date Completed	9/20/2022
<input type="checkbox"/> D & A	<input checked="" type="checkbox"/> Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*	6394'
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18. Total Depth: MD 19,396'
TVD 6,975'

19. Plug Back T.D.:	MD	19,285'
	TVD	6,975'

20. Depth Bridge Plug Set:	MD TVD
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21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

CBL

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*)

[illegible]

24. Tubing Record

Size	Dept Set (MD)	Packer Dept (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
Pending								

25. Producing Intervals

Formation		Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	Mancos	6991' VD	6975' VD	7,683' MD to 19,218' MD	0.38" / 6SPF	2784	open
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Post hydraulic fracturing chemical disclosures on FracFocus.org when required by state or federal regulation

Depth Interval	Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus.org as applicable
7,683' MD - 19,218' MD	Frac'd 59 stages of 26,482 klbs 40/70 sand/100# Mesh. 715,507bbls of slickwater

28. Production - Interval A

Date First Produced 9/20/2022	Test Date 9/20/2022	Hours Tested 12	Test Production ➡	Oil BBL 0	Gas MCF 260	Water BBL 330	Oil Gravity Corr. API. n/a	Gas Gravity n/a	Production Method Flowing
Choke Size 18/64	Tbg. Press. Flwg. SI n/a	Csg. Press. 1808	24 Hr. Rate ➡	Oil BBL 0	Gas MCF 2086 mcf/d	Water BBL 720 bwpd	Gas/Oil Ratio n/a	Well Status Producing	

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)

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
Nacimiento	0	0			
Ojo Alamo	2549'				
Kirtland	2678'				
Fruitland	3127'				
Pictured Cliffs	3492'				
Lewis	3588'				
Chacra	4697'				
Cliff House	5549'				
Menefee	5591'				
Point Lookout	5770'				
Mancos	6296'				

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) Etta Trujillo Title Regulatory Specialist
 Signature Etta Trujillo Date 10/10/2022

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)

From: blm-afmss-notifications@blm.gov
To: [Etta Trujillo](#)
Subject: Well Name: ROSA UNIT, Well Number: 664H, Notification of Well Completion Acceptance
Date: Wednesday, October 26, 2022 1:10:18 PM

The Bureau of Land Management

Notice of Acceptance for Well Completion Report

- Operator Name: **LOGOS OPERATING LLC**
- Well Name: **ROSA UNIT**
- Well Number: **664H**
- US Well Number: **3003931418**
- Well Completion Report Id: **WCR2022102686199**

This notification is automatically generated. Please do not reply to this message as this account is not monitored.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 186794

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 186794
	Action Type: [C-103] Sub. (Re)Completion Sundry (C-103T)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	2/19/2024