

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No. NMSF78767  
6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
LOGOS OPERATING LLC

3a. Address 2010 AFTON PLACE  
FARMINGTON, NM 87401

3b. Phone No. (include area code)  
(505) 278-8720

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)  
SEC 19 T31N R05W NE/NW (C) 956 FNL 482 FWL

7. If Unit of CA/Agreement, Name and/or No.  
NMNM78407E

8. Well Name and No.  
ROSA UNIT 644H

9. API Well No.  
30-039-31430

10. Field and Pool or Exploratory Area  
BASIN MANCOS

11. Country or Parish, State  
RIO ARRIBA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Intermediate 2
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

9/7 - 9/8/2023 - NU BOPE & tested. Test 13-3/8" casing 1500psi/30min. Test good. PU 12.25" BHA. TIH, drill 12.25" hole f/3535' t/4970'.

9/9/2023 - Continue to drill f/4970' t/5792'. Circulate hole clean. Perform wiper trip. Drill f/5792' t/5967'. PUH t/5585', pump & squeeze x-prima. POOH to 4681'. TIH to 5579'. Wash & ream. Drill 12.25" hole f/5967' t/5999', circulate LCM sweep out of hole.

9/10 - 9/14/2023 - Drill 12.25" hole f/5999' t/6125'. Open PBL sub and pump X-prima. Work stuck pipe. RU KLX nitrogen unit. establish circulation & start pumping nitrogen downhole. Ream out of hole f/5967' t/3719'. TOOH. L/D directional tools. MU BHA. TIH to 5627'. Wash & ream hole f/5627' t/6005'.

9/15/2023 - Wash & ream f/6005' t/6125'. Drill 12.25" hole f/6125' t/6505'. Condition & circulate. TOOH. L/D BHA. RU CRT and casing crew. **RIH w/151jts 9-5/8", L-80 43.5# BTC landed @ 6,476' w/FC @ 6,388'. DV tools @ 4834' & 3578'.** Stage 1 - Mix & pump 814 sxs lead premium lead Class G cement (276bbls, 1547cf) 12.4ppg, 1.90yield. Tail w/458 sxs premium Class G cement (90bbls, 504cf) 15.8ppg, 1.10yield. Drop plug & displace with 475bbls 8.6 mud. Bump plug w/1170psi. Open DV tool w/580psi. Circ 66bbls of good cmt back to surface. RD cement equipment. Set 9-5/8" pack off in wellhead. Test seals. All test good. ND BOP. RR. Cement offline - Stage 2 - Mix & pump 1039 sxs lead premium Class G cement (352bbls, 1974cf) 12.4ppg, 1.90yield. Tail w/280sxs premium Class G (79bbls, 442cf) 13.2ppg, 1.58yield. Displaced w/362bbls FW. Bumped plug w/1120psi. 53bbls good cmt to surface. Drop cancellation plug for DV tool #2. Close DV tool w/2000psi. Release Rig to Rosa Unit 649H.

Pressure test will be reported on next sundry.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Etta Trujillo Title Regulatory Specialist

Signature *Etta Trujillo* Date 09/27/2023

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

(Instructions on page 2)

<b>Well Name:</b> ROSA UNIT	<b>Well Location:</b>	<b>County or Parish/State:</b>
<b>Well Number:</b> 644H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMSF078767	<b>Unit or CA Name:</b> ROSA UNIT	<b>Unit or CA Number:</b> NMNM78407E
<b>US Well Number:</b> 3003931430	<b>Well Status:</b> Drilling Well	<b>Operator:</b> LOGOS OPERATING LLC

**Subsequent Report**

**Sundry ID:** 2754170

**Type of Submission:** Subsequent Report

**Type of Action:** Drilling Operations

**Date Sundry Submitted:** 09/29/2023

**Time Sundry Submitted:** 10:15

**Date Operation Actually Began:** 09/07/2023

**Actual Procedure:** 9/7 - 9/8/2023 - NU BOPE & tested. Test 13-3/8" casing 1500psi/30min. Test good. PU 12.25" BHA. TIH, drill 12.25" hole f/3535' t/4970'. 9/9/2023 - Continue to drill f/4970' t/5792'. Circulate hole clean. Perform wiper trip. Drill f/5792' t/5967'. PUH t/5585', pump & squeeze x-prima. POOH to 4681'. TIH to 5579'. Wash & ream. Drill 12.25" hole f/5967' t/5999', circulate LCM sweep out of hole. 9/10 - 9/14/2023 - Drill 12.25" hole f/5999' t/6125'. Open PBL sub and pump X-prima. Work stuck pipe. RU KLX nitrogen unit, establish circulation & start pumping nitrogen downhole. Ream out of hole f/5967' t/3719'. TOOH. L/D directional tools. MU BHA. TIH to 5627'. Wash & ream hole f/5627' t/6005'. 9/15/2023 - Wash & ream f/6005' t/6125'. Drill 12.25" hole f/6125' t/6505'. Condition & circulate. TOOH. L/D BHA. RU CRT and casing crew. RIH w/151jts 9-5/8", L-80 43.5# BTC landed @ 6,476' w/FC @ 6,388'. DV tools @ 4834' & 3578'. Stage 1 - Mix & pump 814 sxs lead premium lead Class G cement (276bbbs, 1547cf) 12.4ppg, 1.90yield. Tail w/458 sxs premium Class G cement (90bbbs, 504cf) 15.8ppg, 1.10yield. Drop plug & displace with 475bbbs 8.6 mud. Bump plug w/1170psi. Open DV tool w/580psi. Circ 66bbbs of good cmt back to surface. RD cement equipment. Set 9-5/8" pack off in wellhead. Test seals. All test good. ND BOP. RR. Cement offline - Stage 2 - Mix & pump 1039 sxs lead premium Class G cement (352bbbs, 1974cf) 12.4ppg, 1.90yield. Tail w/280sxs premium Class G (79bbbs, 442cf) 13.2ppg, 1.58yield. Displaced w/362bbbs FW. Bumped plug w/1120psi. 53bbbs good cmt to surface. Drop cancellation plug for DV tool #2. Close DV tool w/2000psi. Release Rig to Rosa Unit 649H. Pressure test will be reported on next sundry.

Well Name: ROSA UNIT

Well Location:

County or Parish/State:

Well Number: 644H

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF078767

Unit or CA Name: ROSA UNIT

Unit or CA Number: NMNM78407E

US Well Number: 3003931430

Well Status: Drilling Well

Operator: LOGOS OPERATING LLC

**SR Attachments**

**PActual Procedure**

3160\_5\_Rosa\_Unit\_644H\_Intermediate2\_Subsequent\_Report\_20230929101425.pdf

**Operator**

*I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a*

**Operator Electronic Signature:** ETTA TRUJILLO

**Signed on:** SEP 29, 2023 10:14 AM

**Name:** LOGOS OPERATING LLC

**Title:** Regulatory Specialist

**Street Address:** 2010 AFTON PLACE

**City:** Farmington

**State:** NM

**Phone:** (505) 324-4154

**Email address:** ETRUJILLO@LOGOSRESOURCESLLC.COM

**Field**

**Representative Name:**

**Street Address:**

**City:**

**State:**

**Zip:**

**Phone:**

**Email address:**

**BLM Point of Contact**

**BLM POC Name:** KENNETH G RENNICK

**BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 5055647742

**BLM POC Email Address:** krennick@blm.gov

**Disposition:** Accepted

**Disposition Date:** 09/29/2023

**Signature:** Kenneth Rennick

**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 270658

**CONDITIONS**

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 270658
	Action Type: [C-103] Sub. Drilling (C-103N)

**CONDITIONS**

Created By	Condition	Condition Date
kelly.roberts	None	10/18/2023