

<b>Well Name:</b> ROSA UNIT	<b>Well Location:</b> T31N / R6W / SEC 24 / NWSW / 36.8833 / -107.42088	<b>County or Parish/State:</b> RIO ARRIBA / NM
<b>Well Number:</b> 19D	<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, ROSA UNIT--MV	<b>Unit or CA Number:</b> NMNM78407A, NMNM78407E
<b>US Well Number:</b> 3003930781	<b>Well Status:</b> Producing Gas Well	<b>Operator:</b> LOGOS OPERATING LLC

**Notice of Intent**

**Sundry ID:** 2779219

**Type of Submission:** Notice of Intent

**Type of Action:** Other

**Date Sundry Submitted:** 03/12/2024

**Time Sundry Submitted:** 08:11

**Date proposed operation will begin:** 04/01/2024

**Procedure Description:** LOGOS Operating, LLC request to drill out plug, cement retainer and return well to production. See attached operations procedure and wellbore schematic.

**Surface Disturbance**

**Is any additional surface disturbance proposed?:** No

**NOI Attachments**

**Procedure Description**

3160\_5\_Rosa\_Unit\_19D\_NOI\_to\_Drill\_Out\_Bridge\_Plug\_20240312\_20240312081100.pdf

<b>Well Name:</b> ROSA UNIT	<b>Well Location:</b> T31N / R6W / SEC 24 / NWSW / 36.8833 / -107.42088	<b>County or Parish/State:</b> RIO ARRIBA / NM
<b>Well Number:</b> 19D	<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, ROSA UNIT--MV	<b>Unit or CA Number:</b> NMNM78407A, NMNM78407E
<b>US Well Number:</b> 3003930781	<b>Well Status:</b> Producing Gas Well	<b>Operator:</b> LOGOS OPERATING LLC

**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:** MAR 12, 2024 08:11 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:** Approved

**Disposition Date:** 03/12/2024

**Signature:** Kenneth Rennick

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB  
No. 1004-0137 Expires:  
December 31, 2024

**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. NMSF078767
6. If Indian, Allottee or Tribe Name

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. ROSA UNIT 19D
2. Name of Operator LOGOS OPERATING, LLC		9. API Well No. 30-039-30781
3a. Address 2010 AFTON PLACE FARMINGTON, NM 87401	3b. Phone No. (include area code) (505) 278-8720	10. Field and Pool or Exploratory Area BASIN MANCOS / BASIN DAKOTA/BASIN MANCOS
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) UNIT L SEC 24 T31N 6W 1980' FSL 660' FWL		11. Country or Parish, State RIO ARRIBA, NEW MEXICO

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

TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" 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 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	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drill out BP & CR	
	<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 recomplate 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 perfonned 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 detennined that the site is ready for final inspection.)

Well was isolated with Semi Composite BP @ 7981' and Cement Retainer @ 6910' due to PAD 29 completions.

LOGOS Operating, LLC request to drill out plug, cement retainer and return well to production. See attached operations procedure and wellbore schematic.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Etta Trujillo		Title Regulatory Specialist
Signature 	Date 3/12/2024	

**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	

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.

(Instructions on page 2)



## WELLBORE ISOLATION/PRESSURE MONITORING-NMOCD (2023)

### Rosa Unit 019D

**30-039-30781**

**1980' FSL & 660' FWL**

**Section 24, T31N, R06W**

**Rio Arriba, New Mexico**

**LAT: 36.8833084° N LONG: -107.4208908° W**

**Mesaverde/Mancos/Dakota**

### PROJECT OBJECTIVE:

The Rosa Unit 19D is at risk of catastrophic failure from the nearby Pad 29 completions. In order to preserve wellbore integrity and protect the remaining reserves of the well, it is recommended to isolate the wellbore and actively monitor pressure via downhole gauge for a total observation period of 9-12 months.

### WORKOVER PROCEDURE:

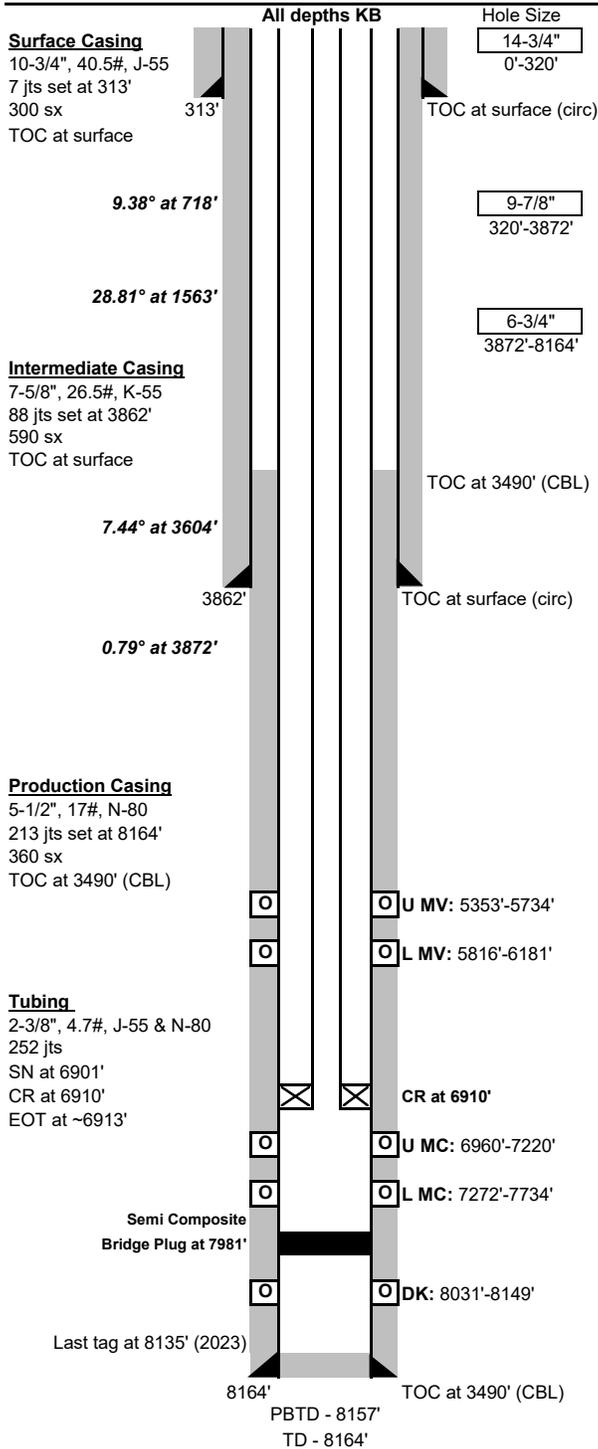
1. Hold safety meeting. MIRU workover rig. Place fire and safety equipment in strategic locations. Comply with all LOGOS, BLM, and NMOCD rules and regulations.
2. Lay flow lines. Check and record casing and tubing pressures. Sell pressure down to line. Kill well if necessary.
3. Nipple down wellhead and nipple up BOP.
4. TOOH and stand back tubing.
5. Set bridge plug within 50' of the Dakota perforations.
6. TIH and set cement retainer at ~6910'.
7. RIH with pressure gauge and tubing and sting into retainer.
8. Leave well shut in during offset completions and post completions for pressure monitoring.
9. Once offset completions are complete and adequate pressure monitoring data has been collected, TOOH with tubing and laydown pressure gauge.
10. Trip in hole and mill out cement retainer and bridge plug.
11. Run 2-3/8" tubing back in hole and return well to production.



Well Name: Rosa Unit 019D  
 Location: Unit L Sec 24, T31N, R06W 1980' FSL & 660' FWL  
 County: Rio Arriba, NM  
 API #: 30-039-30781  
 Co-ordinates: Lat 36.8833084 Long -107.4208908 NAD83  
 Elevations: GROUND: 6311'  
 KB: 6325'  
 PBD: 8157'  
 TD: 8164'

Last Updated: 7/13/2023 Moss  
 Reviewed by:  
 Spud Date: 8/25/2009  
 Completion Date: 11/16/2009  
 Last Workover Date: 5/27/2011  
 Last Updated: 9/5/2023 Sprague

**DIRECTIONAL WELLBORE**





**Proposed Wellbore Schematic**

Well Name: Rosa Unit 019D  
 Location: Unit L Sec 24, T31N, R06W 1980' FSL & 660' FWL  
 County: Rio Arriba, NM  
 API #: 30-039-30781  
 Co-ordinates: Lat 36.8833084 Long -107.4208908 NAD83  
 Elevations: GROUND: 6311'  
 KB: 6325'  
 PBDT: 8157'  
 TD: 8164'  
 Depths (KB):

Created by: 7/13/2023 Moss  
 Reviewed by:  
 Spud Date: 8/25/2009  
 Completion Date: 11/16/2009  
 Last Workover Date: 5/27/2011  
 Last Updated: 3/8/2024 Moss

**DIRECTIONAL WELLBORE**

All depths KB		Hole Size	Surface Casing: (8/25/2009)
<b>Surface Casing</b> 10-3/4", 40.5#, J-55 7 jts set at 313' 300 sx TOC at surface	313'	14-3/4" 0'-320'	Drilled a 14-3/4" surface hole to 320'. Set 7 jts 10-3/4", 40.5#, J-55 csg at 313'. Cmt w/ 300 sx Type 3 cmt (539 ft3, 13.5 ppg, 1.796 yield), circ 60 bbls to surface.
<b>Intermediate Casing</b> 7-5/8", 26.5#, K-55 88 jts set at 3862' 590 sx TOC at surface	3862'	9-7/8" 320'-3872'	<b>Intermediate Casing: (9/4/2009)</b> Drilled a 9-7/8" intermediate hole to 3872'. Set 88 jts 7-5/8", 26.4#, K-55 csg at 3862'. Cmt w/ 490 sx Extendcem cmt (1338 ft3, 11.5 ppg, 2.73 yield). Tail w/ 100sx Premium cmt (118 ft3, 15.6 ppg, 1.18 yield). Circ 100 bbls cmt to surface.
<b>Production Casing</b> 5-1/2", 17#, N-80 213 jts set at 8164' 360 sx TOC at 3490' (CBL)	8164'	6-3/4" 3872'-8164'	<b>Production Casing: (9/9/2007)</b> Drilled a 6-3/4" production hole to 8164'. Set 213 jts 5-1/2", 17#, N-80 csg at 8164'. Cmt w/ 360 sx Fraccem cmt (504 ft3, 13.1 ppg, 1.4 yield). TOC at 3490' (CBL 9/16/2009).
<b>Tubing</b> 2-3/8", 4.7#, J-55 & N-80 252 jts FN at ~8088' EOT at ~8090'	8164'		<b>Tubing:</b> Length (ft) KB 14 (~109) 2-3/8", 4.7#, N-80 tbg jts 3492 (142) 2-3/8", 4.7#, J-55 tbg jts 4546 (1) 2-3/8" x 4' pup jt 4 (1) 2-3/8", 4.7#, J-55 tbg jt 32 (1) 1.78" FN 1 (1) 2-3/8" MS collar w/ exp check 1  Set at: 8090 ft
			<b>Artificial Lift:</b> Plunger lift
			<b>Perforations: (11/2009)</b> DK: (8031'-8149'): 78, 0.34" holes. 8031', 35, 39, 43, 47, 51, 55, 59, 63, 69, 77, 81, 85, 89, 93, 97, 8101', 05, 13, 17, 21, 25, 29, 33, 47, 8149'. Acidize w/ 1993 gal 15% HCL acid. Frac w/ 4,971# 100 mesh sand & 64,277# 40/70 sand in 2519 bbls frac fluid. L MC (7272'-7734'): 81, 0.34" holes. 7272', 82, 92, 99, 7308', 18, 28, 38, 48, 56, 65, 74, 86, 97, 7407', 14, 24, 34, 44, 7531', 43, 63, 7703', 11, 17, 25, 7734'. Acidize w/ 2431 gal 15% FE acid. Frac w/ 6,396# 100 mesh sand & 98,292# 40/70 sand in 10,098 gal frac fluid. U MC (6960'-7220'): 81, 0.34" holes. 6960', 70, 80, 90, 7000', 10, 20, 30, 40, 50, 60, 70, 80, 90, 7100', 10, 20, 30, 40, 50, 60, 70, 80, 90, 7200', 10, 7220'. Acidize w/ 1982 gal 15% FE acid. Frac w/ 6406# 100 mesh sand & 92,349# 40/70 sand in 10,160 gal frac fluid. L MV (5816'-6181'): 69, 0.34" holes. 5816', 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80, 84, 88, 92, 96, 5900', 04, 08, 12, 16, 20, 24, 28, 32, 36, 40, 50, 54, 60, 64, 68, 80, 82, 96, 98, 6000', 12, 14, 16, 21, 40, 42, 44, 46, 58, 60, 68, 70, 72, 79, 88, 90, 92, 6103', 16, 18, 20, 36, 39, 47, 64, 68, 6181'. Acidize w/ 2000 gal 15% HCL. Frac w/ 80,000# 20/40 sand in 13,000 gal frac fluid. U MV (5353'-5734'): 63, 0.34" holes. 5353', 59, 61, 69, 87, 93, 5405', 07, 19, 27, 39, 55, 62, 78, 92, 94, 96, 98, 5522', 24, 42, 44, 66, 68, 70, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 5600', 02, 04, 06, 08, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 5714', 16, 18, 20, 22, 26, 28, 30, 32, 5734'. Acidized w/ 2000 gal 15% HCL. Frac w/ 81,120# 20/40 sand in 13,000 gal frac fluid.
			<b>Formations:</b> Lewis 3682' Mancos 6270' Cliff House 5562' Dakota 8031' Point Lookout 5814'
			<b>Additional Notes:</b> (11/2009) Initial Completion. Perf'd & stim'd MV, MC, & DK formations. Trimming upon completion (05/2010) Tagged fill at 8117' w/ slickline. CO to PBDT at 8157'. Ran spinner survey. EOT at 8100' (05/2011) Tag fill at 8096'. Pull tbg, no visible scale. CO to PBDT at 8157'. Ran another spinner survey. Set EOT at 8075'. (08/2023) Wellbore isolation/ pressure monitoring for Pad 29 offset completions. Tagged fill at 8135'. Scanned tbg out: N-80 - 101Y, 6B, 1G, 1R; J-55 - 85Y, 45B, 10G, 3R. Minor scale buildup on bottom half of string, LD jt #251 w/ plunger & bumper string. F-nipple had 1-1/16" of scale buildup. Set 5-1/2" Semi-CBP at 7981'. Set CR at 6910'. TIH 2-3/8" tbg w/ pressure gauge assembly and stung into CR. EOT at 6913'. Tied in gauge line to surface panel.

**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 322541

**CONDITIONS**

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 322541
	Action Type: [C-103] NOI Workover (C-103G)

**CONDITIONS**

Created By	Condition	Condition Date
kelly.roberts	None	4/1/2024