

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. NMSF078767

6. If Indian, Allottee or Tribe Name

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No. NMNM78407E
2. Name of Operator LOGOS Operating, LLC		8. Well Name and No. Rosa Unit 19D
3a. Address 2010 Afton Place, Farmington NM 87401	3b. Phone No. (include area code) 505-278-8720	9. API Well No. 30-039-30781
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) Unit L, Section 24 T31N R06W 1980' FSL & 660' FWL		10. Field and Pool or Exploratory Area Blanco Mesaverde / Basin Dakota / Basin Mancos
		11. Country or Parish, State Rio Arriba, NM

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 Wellbore Isolation/ Pressure Monitoring	
	<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.)

LOGOS Operating request to conduct a wellbore isolation for subject well. 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 well observation period of 9-12 months. See attached procedure.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Etta Trujillo		Title Regulatory Specialist
Signature 	Date 8/2/2023	

**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	

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)

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
ROSA UNIT	19D	300393078100C3	NMSF078767	NMNM78407A	LOGOS
ROSA UNIT	19D	300393078100C2	NMSF078767	NMNM78407E	LOGOS
ROSA UNIT	19D	300393078100C1	NMSF078767	NMNM78407A	LOGOS

**Notice of Intent**

**Sundry ID:** 2744222

**Type of Submission:** Notice of Intent

**Type of Action:** Other

**Date Sundry Submitted:** 08/02/2023

**Time Sundry Submitted:** 02:13

**Date proposed operation will begin:** 08/02/2023

**Procedure Description:** LOGOS Operating request to conduct a wellbore isolation for subject well. 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 well observation period of 9-12 months. See attached procedure.

**Surface Disturbance**

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

**NOI Attachments**

**Procedure Description**

3160\_5\_Rosa\_Unit\_19D\_NOI\_Wellbore\_Isolation\_Pressure\_Monitoring\_20230802\_20230802140339.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:** AUG 02, 2023 02:12 PM

**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:** 08/03/2023

**Signature:** Kenneth Rennick



## 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.

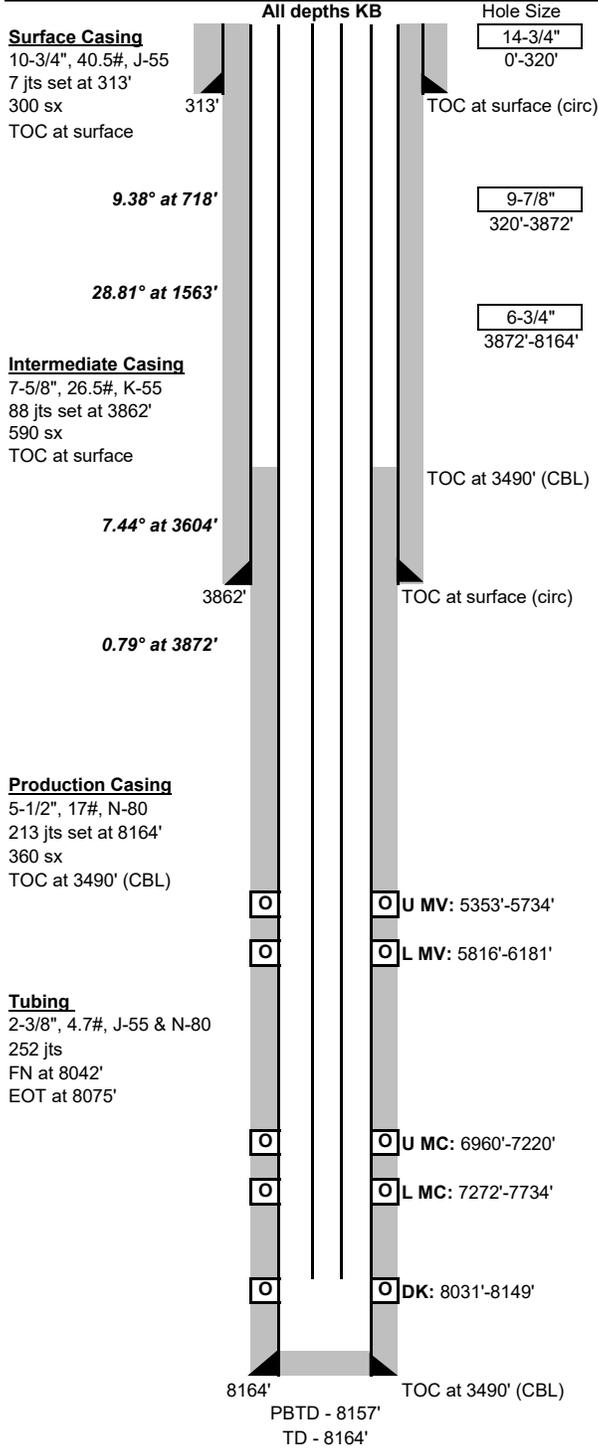


**Wellbore Schematic**

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):

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:

**DIRECTIONAL WELLBORE**



<b>Surface Casing: (8/25/2009)</b>	
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: (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: (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: (05/2011)</b>	
Length (ft)	
KB	14
(109) 2-3/8", 4.7#, N-80 tbg jts	3484 *est length
(142) 2-3/8", 4.7#, J-55 tbg jts	4543 *est length
(1) 1.78" F nipple at 8042'	1
(1) 2-3/8", 4.7#, J-55 tbg jt	32
(1) 1/2 Muleshoe	1
Set at:	8075 ft
<b>Artificial Lift:</b>	
Plunger lift	
<b>Perforations: (11/2009)</b>	
<b>DK: (8031'-8149')</b> : 78, 034" 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.	
<b>L MC (7272'-7734')</b> : 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.	
<b>U MC (6960'-7220')</b> : 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.	
<b>L MV (5816'-6181')</b> : 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.	
<b>U MV (5353'-5734')</b> : 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'.	
<b>Max deviation 28.81° at 1563'. Max DLS 6.44 at 3698'.</b>	

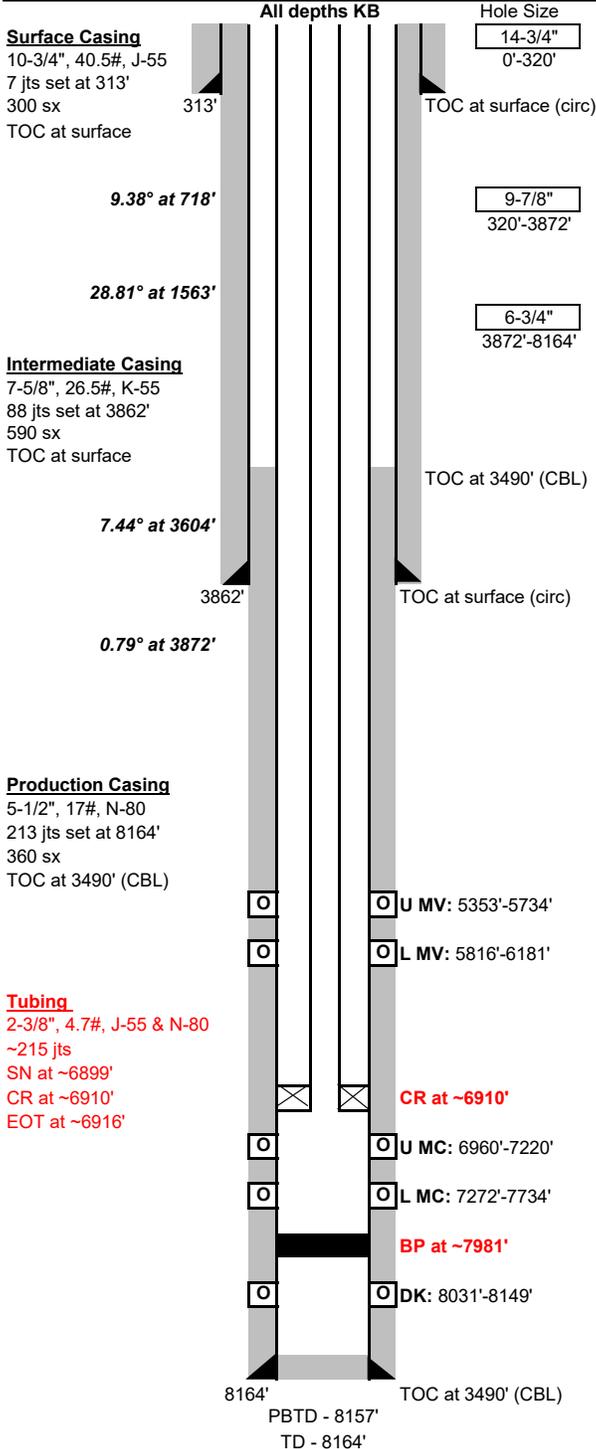


**Proposed Wellbore Schematic**

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<b>Tubing:</b>	Length (ft)
KB	14
(109) 2-3/8", 4.7#, N-80 tbg jts	3482
(106) 2-3/8", 4.7#, J-55 tbg jts	3403
(1) 1.78" F nipple at ~6899'	1
(1) P-4000C Gauge Assembly	6
(1) 2-3/8" x 4' pup joint	4
(1) 5-1/2" x 2-3/8" cement retainer	6
<b>Set at:</b>	6916 ft
<b>Artificial Lift:</b>	Plunger lift
<b>Perforations:</b> (11/2009)	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.
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**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 248724

**CONDITIONS**

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 248724
	Action Type: [C-103] NOI General Sundry (C-103X)

**CONDITIONS**

Created By	Condition	Condition Date
dmcclore	None	8/11/2023