

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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. NMSF078766
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

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

NMNM78407E

8. Well Name and No.

Rosa Unit 165D

9. API Well No.

30-039-30690

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit C, Section 25 T31N R06W 1280' FNL & 1635' 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 recompleat 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 recompleat 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.)

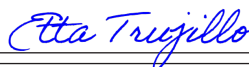
LOGOS Operating request to conduct a wellbore isolation for subject well. The Rosa Unit 165D is at risk of catastrophic failure from the nearby Pad 29 completions. In order to preserve wellbore integrity and protect the remaining reserves of the well, it is recommended to isolate the wellbore and actively 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	165D	300393069000C3	NMSF078766	NMNM78407A	LOGOS
ROSA UNIT	165D	300393069000C2	NMSF078766	NMNM78407E	LOGOS
ROSA UNIT	165D	300393069000C1	NMSF078766	NMNM78407B	LOGOS

Notice of Intent

Sundry ID: 2744188

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 08/02/2023

Time Sundry Submitted: 01:16

Date proposed operation will begin: 08/02/2023

Procedure Description: LOGOS Operating request to conduct a wellbore isolation for subject well. The Rosa Unit 165D 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_165D_NOI_Wellbore_Isolation_Pressure_Monitoring_20230802_20230802131518.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 01:16 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 165D

30-039-30690

1280' FNL & 1635' FWL

Section 25, T31N, R06W

Rio Arriba, New Mexico

LAT: 36.8743362° N LONG: -107.417572° W

Mesaverde/Mancos/Dakota

PROJECT OBJECTIVE:

The Rosa Unit 165D 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.

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.

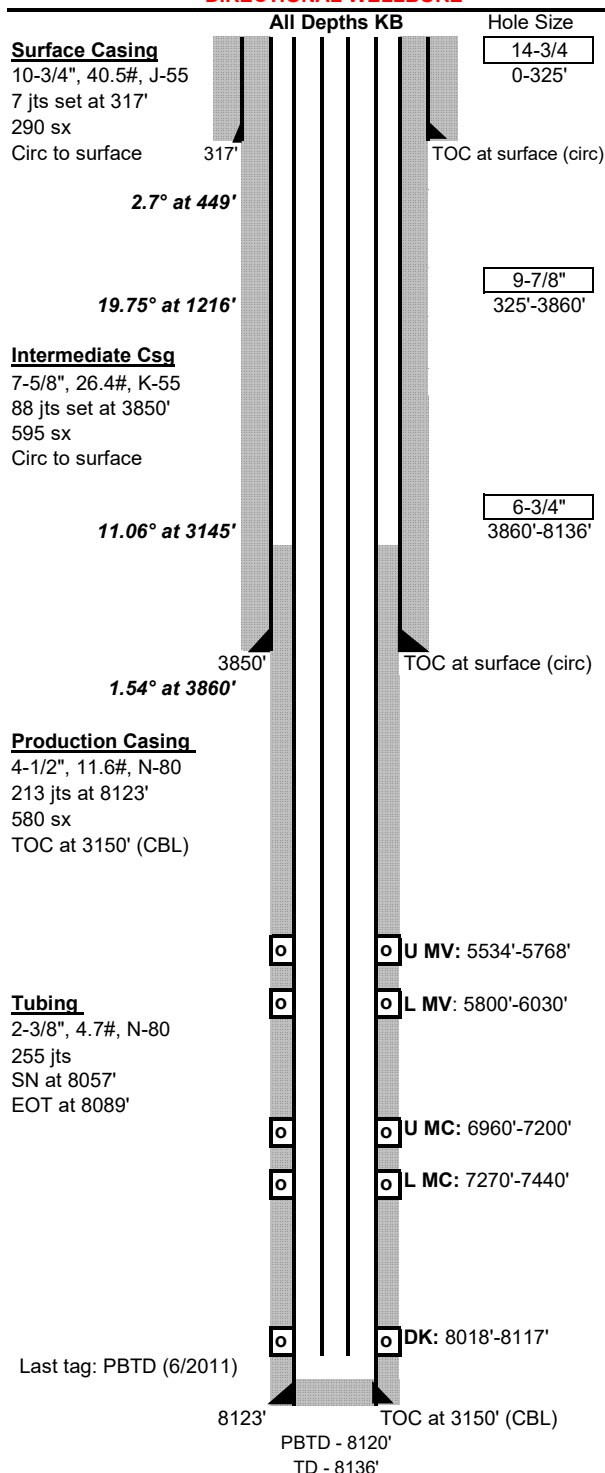


Wellbore Schematic

Well Name: Rosa Unit 165D
 Location: Sec 25, T31N, R06W 1280' FNL & 1635' FWL
 County: Rio Arriba, NM
 API #: 30-039-30690
 Co-ordinates: Lat 36.8743362 Long -107.417572
 Elevations: GROUND: 6403'
 KB: 6419'
 Depths (KB): PBTD: 8120'
 TD: 8136'

Date Prepared: 2/18/2020 Gomez
 Reviewed By: 7/18/2023 Moss
 Last Updated:
 Spud Date: 9/14/2009
 Completion Date: 11/19/2009
 Last Workover Date: 6/1/2011

DIRECTIONAL WELLBORE



Surface Casing: (9/14/2009)

Drilled a 14-3/4" surface hole to 325'. Set 7 jts 10-3/4", 40.5#, J-55 casing at 317'
 Cmt w/ 290 sx Type III cmt (521 ft3, 13.5 ppg, 1.796 yield). Circ 45 bbl to surface.

Intermediate Casing: (9/22/2009)

Drilled a 9-7/8" intermediate hole to 3860'. Set 88 jts 7-5/8", 26.4#, K-55 csg at 3850'.
 Cmt lead w/ 495 sx Extendacem (1351 ft3, 11.53 ppg, 2.73 yield). Tail w/ 100 sx
 Premium cmt (117.8 ft3, 15.6 ppg, 1.178 yield). Circ 60 bbls to surface.

Production Casing: (9/25/2009)

Drilled a 6-3/4" production hole to 8136'. Set 213 jts 4-1/2", 11.6#, N-80 csg at 8123'.
 Marker jt at 5493'. Cmt w/ 580 sx Fraccem (810 ft3, 13.1 ppg, 1.397 yield).
 TOL at 3150' (CBL-10/1/2009)

Tubing: (6/1/2011) *Lengths estimated based on EOT Length (ft)

KB	16
(255) 2-3/8", 4.7#, N-80 EUE tbj jts	8041 *est
(1) 1.78" SN at 8024'	1 *est
(1) 2-3/8", 4.7#, N-80 EUE tbj jt w/ 1/2 MS	31
Set at:	8089 ft

Perforations:

DK (8018'-8117'): 66, 0.34" holes. 8018', 21, 24, 27, 30, 33, 36, 62, 65, 68, 71, 74, 77, 87, 90, 97, 8100', 07, 10, 13, 15, 8117'.

Frac w/ 5,681# 100 mesh BASF & 81,169# 40/70 BASF

Lower MC (7270'-7440'): 69, 0.34" holes. 7270', 75, 80, 87, 91, 7300', 09, 15, 24, 31, 39, 50, 60, 75, 79, 84, 92, 7400', 10, 20, 30, 34, 7440'.

Frac w/ 4,984# 100 mesh BASF & 99,817# 40/70 BASF.

Upper MC (6960'-7200'): 75, 0.34" holes. 6960', 70, 80, 90, 7000', 10, 20, 30, 40, 50, 60, 70, 80, 90, 7100', 10, 20, 30, 40, 50, 60, 80, 90, 7200'.

Frac w/ 5089# 100 mesh BASF & 110,678# 40/70 BASF.

Lower MV (5800'-6030'): 47, 0.34" holes. 5800', 04, 08, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 56, 60, 64, 68, 74, 78, 82, 86, 90, 94, 98, 5926', 28, 30, 42, 44, 46, 48, 50, 64, 66, 68, 74, 76, 80, 82, 98, 6000', 02, 04, 24, 26, 28, 6030'.

Frac w/ 90,983# 20/40 mesh BASF.

Upper MV (5534'-5768'): 46, 0.34" holes. 5534', 36, 38, 44, 46, 48, 78, 80, 82, 84, 86, 88, 96, 98, 5600', 02, 04, 06, 08, 10, 24, 26, 28, 30, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 5716', 18, 20, 22, 54, 56, 58, 60, 62, 64, 66, 5768'.

Frac w/ 78,828# 20/40 BASF.

Formations: MD

Lewis	3756'	Mancos	6261'
Cliffhouse	5528'	Graneros	7889'
Point Lookout	5799'	Dakota	8018'

Additional Notes:

11/2009 Initial Completion. Frac & stim'd the MV, MC, & DK. Tri-mingled upon completion. Set 2-3/8" tbj at 8025'.

05/2010 Tag fill at 8105' & CO to PBTD. Run spinner survey. EOT at 8089'.

03/2011 Pull tbj, no notes on tbj condition. Ran tbj back in, EOT at 8051'.

06/2011 Tagged PBTD at 8120', pulled tbj & ran completion profiler. EOT at 8089'.

All EOT has been corrected to KB at 6419'. WO's used KB of 6386'.

Max deviation 19.75° at 1216'. Max DLS 4.83°/100' at 3365'.

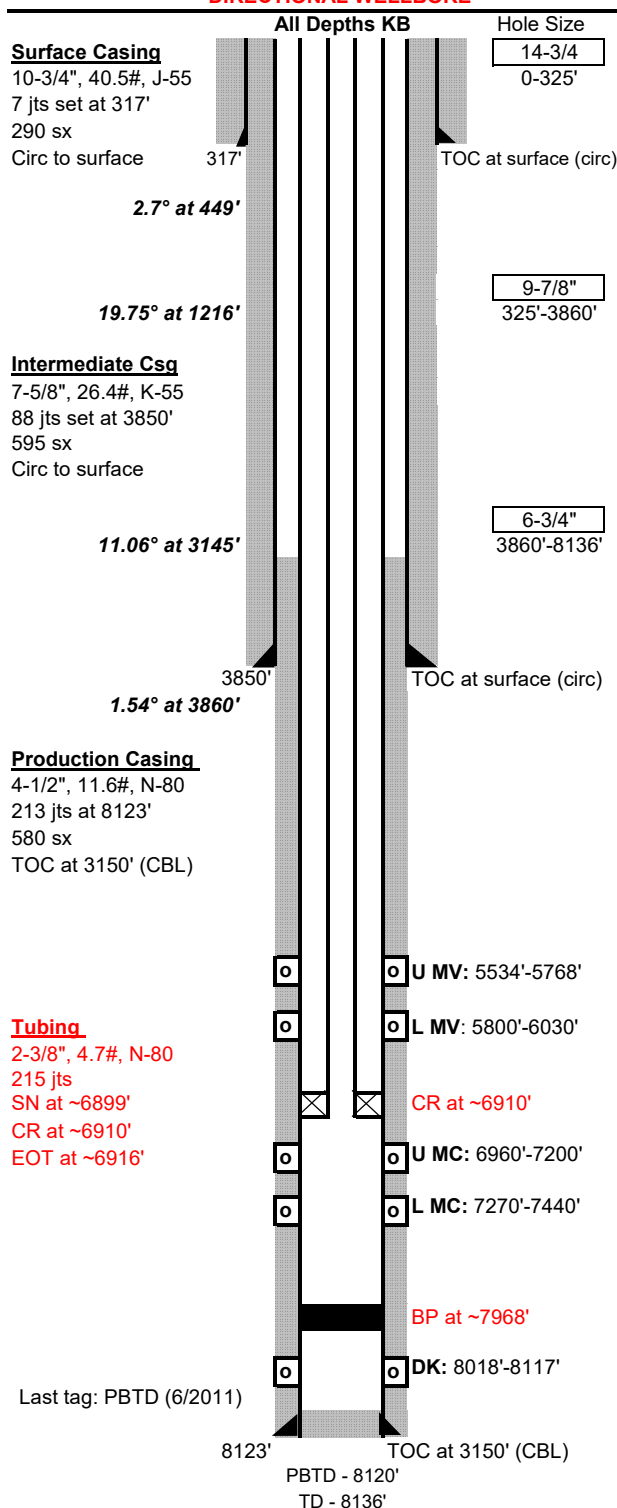


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Tubing:

Length (ft)

KB	16
(~215) 2-3/8", 4.7#, N-80 EUE tbg jts	6883
(1) 1.78" SN at ~6899'	1
(1) P-4000C Gauge Assembly	6
(1) 2-3/8" x 4' pup joint	4
(1) CR stinger	6
Set at:	6916 ft

Perforations:

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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 248733

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 248733
	Action Type: [C-103] NOI General Sundry (C-103X)

CONDITIONS

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