

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.	NMSF078766
6. If Indian, Allottee or Tribe Name	

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No. NMNM78407E
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 165D
2. Name of Operator LOGOS Operating, LLC		9. API Well No. 30-039-30690
3a. Address 2010 AFTON PLACE, FARMINGTON, NM 87401	3b. Phone No. (include area code) 505-278-8720	10. Field and Pool or Exploratory Area BLANCO MESAVERDE/BASIN DAKOTA/BASIN MANCOS
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) UNIT C, SECTION 25 T31N R06W 1280' FNL & 1635' 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 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"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input checked="" type="checkbox"/> Subsequent Report	<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		Wellbore Isolation / Pressure Monitoring
<input type="checkbox"/> Final Abandonment Notice	<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 recompleate 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.)

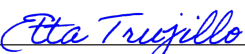
8/31/2023 - MIRU. ND WH. NU BOPE. TIH Tag 15' of fill @ 8105'. Scan tbg out of well. TIH w/4-1/2" mill to 8015'. PU to 6910', work mill, PU to 5500'. SDFN.

9/1/2023 - TOO H w/mill. TIH w/5-1/2" CBP & Packer to 7968'. Could not set CBP. SDFW.

9/5/2023 - RU WL. Tag 1st CBP @ 7962'. PU sent 2nd 4-1/2" CBP @ 7951'. RD WL. TIH w/4-1/2" Packer, set @ 7940'. PT CBP to 1000PSI. TOO H w/PKR. TIH W/4-1/2" CR & PKR, Set CR @ 6910'. Set pkr @ 6880'. Load tbg w/27bbls bio water. PT CR to 1000psi/10mins. Test good. TOO H w/PKR. SDFN.

9/6/2023 - MU BHA for downhole gauge production string. TIH w/219jts, 2-3/8", N-80, 4.7# set @ 6923', banding 1/4" gauge line to tubing string. Land into CR @ 6910'. ND BOPE. NU WH. Tie in downhole gauges to surface panel. RD. RR.

Well is isolated due to PAD 29 completions.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) ETTA TRUJILLO	Title REGULATORY SPECIALIST
Signature 	Date 10/10/2023

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

(Instructions on page 2)

Well Name: ROSA UNIT	Well Location: T31N / R6W / SEC 25 / NENW / 36.87435 / -107.41756	County or Parish/State: RIO ARRIBA / NM
Well Number: 165D	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078766	Unit or CA Name: ROSA UNIT, ROSA UNIT--DK, ROSA UNIT--MV	Unit or CA Number: NMNM78407A, NMNM78407B, NMNM78407E
US Well Number: 3003930690	Well Status: Producing Gas Well	Operator: LOGOS OPERATING LLC

Subsequent Report

Sundry ID: 2755813

Type of Submission: Subsequent Report

Type of Action: Other

Date Sundry Submitted: 10/10/2023

Time Sundry Submitted: 03:14

Date Operation Actually Began: 08/31/2023

Actual Procedure: 8/31/2023 - MIRU. ND WH. NU BOPE. TIH Tag 15' of fill @ 8105'. Scan tbg out of well. TIH w/4-1/2" mill to 8015'. PU to 6910', work mill, PU to 5500'. SDFN. 9/1/2023 - TOO H w/mill. TIH w/5-1/2" CBP & Packer to 7968'. Could not set CBP. SDFW. 9/5/2023 - RU WL. Tag 1st CBP @ 7962'. PU sent 2nd 4-1/2" CBP @ 7951'. RD WL. TIH w/4-1/2" Packer, set @ 7940'. PT CBP to 1000PSI. TOO H w/PKR. TIH W/4-1/2" CR & PKR, Set CR @ 6910'. Set pkr @ 6880'. Load tbg w/27bbls bio water. PT CR to 1000psi/10mins. Test good. TOO H w/PKR. SDFN. 9/6/2023 - MU BHA for downhole gauge production string. TIH w/219jts, 2-3/8", N-80, 4.7# set @ 6923', banding 1/4" gauge line to tubing string. Land into CR @ 6910'. ND BOPE. NU WH. Tie in downhole gauges to surface panel. RD. RR. Well is isolated due to PAD 29 completions.

SR Attachments

Actual Procedure

3160_5_Rosa_Unit_165D_Subsequent_Report_Wellbore_Isolation_Pressure_Monitoring_20230906_20231010151400.pdf

Well Name: ROSA UNIT

Well Location: T31N / R6W / SEC 25 /
NENW / 36.87435 / -107.41756**County or Parish/State:** RIO
ARRIBA / NM**Well Number:** 165D**Type of Well:** CONVENTIONAL GAS
WELL**Allottee or Tribe Name:****Lease Number:** NMSF078766**Unit or CA Name:** ROSA UNIT, ROSA
UNIT--DK, ROSA UNIT--MV**Unit or CA Number:**
NMNM78407A, NMNM78407B,
NMNM78407E**US Well Number:** 3003930690**Well Status:** Producing Gas Well**Operator:** 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:** OCT 10, 2023 03:14 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:** MATTHEW H KADE**BLM POC Title:** Petroleum Engineer**BLM POC Phone:** 5055647736**BLM POC Email Address:** MKADE@BLM.GOV**Disposition:** Accepted**Disposition Date:** 10/11/2023**Signature:** Matthew Kade

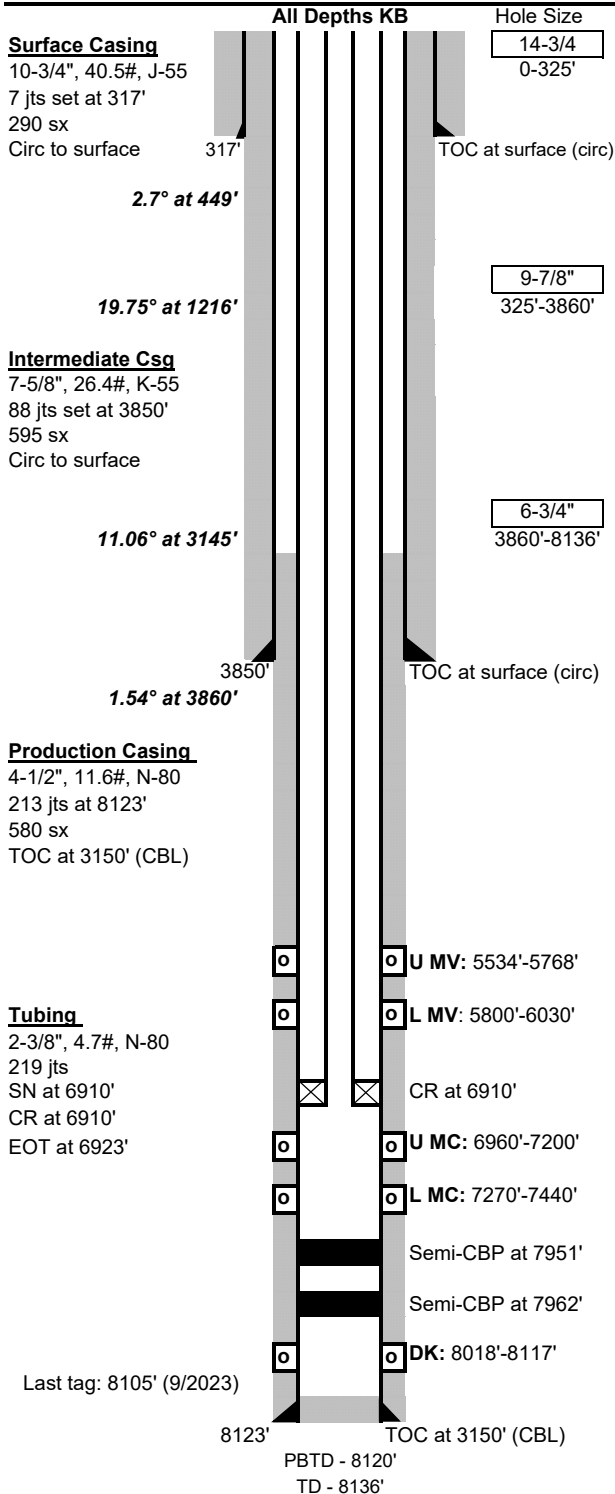


Wellbore Schematic

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: 9/22/2023 Sprague
 Spud Date: 9/14/2009
 Completion Date: 11/19/2009
 Last Workover Date: 9/6/2023

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: (9/6/2023)	Length (ft)
KB	16
(2) 2-3/8" pup jts 10', 6'	16
(219) 2-3/8", 4.7#, N-80 EUE tbj jts	6878
(1) 1.78" SN at 6910'	1
(1) P-4000C Gauge Assembly	6
(1) 2-3/8" x 4' pup joint	4
(1) CR stinger	2
Set at:	6923 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'.

09/2023 Wellbore isolation/ pressure monitoring for Pad 29 offset completions.

Tagged fill at 8105'. Scanned tbj out: 192Y, 47B, 8G, 8R. No scale on tbj. LD bad jts due to internal pitting. TIH 4-1/2" Semi-CBP and packer to 7968'. Couldn't set BP.

TOOH, BP not on setting tool. Tagged 1st BP at 7962'. Set 2nd BP at 7951'. Set CR at 6910'. TIH 2-3/8" tbj w/ pressure gauge assembly and stung into CR. EOT at 6923'. 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

COMMENTS

Action 274551

COMMENTS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 274551
	Action Type: [C-103] Sub. Workover (C-103R)

COMMENTS

Created By	Comment	Comment Date
kelly.roberts	Accepted for NMOCD Record	2/27/2024

District I
1625 N. French Dr., Hobbs, NM 88240
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Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 274551
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
kelly.roberts	None	2/27/2024