

<b>Well Name:</b> ROSA UNIT	<b>Well Location:</b> T31N / R6W / SEC 24 / NESW / 36.88243 / -107.41618	<b>County or Parish/State:</b> RIO ARRIBA / NM
<b>Well Number:</b> 101	<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> 3003923361	<b>Operator:</b> LOGOS OPERATING LLC	

### Subsequent Report

**Sundry ID:** 2806887

**Type of Submission:** Subsequent Report

**Type of Action:** Workover Operations

**Date Sundry Submitted:** 08/14/2024

**Time Sundry Submitted:** 12:46

**Date Operation Actually Began:** 07/26/2024

**Actual Procedure:** 7/26/2024 - MIRU. ND WH. NU BOP. TOO H w/2-3/8" tbg. MU 3-7/8" mill, TIH to 6368'. SIW. SDFWE, 7/29/2024 - Continue to TIH to CBP @ 7024'. Circulate. Mill out bridge plug. Tag at 7800'. Mill out remainder of CBP. CO to PBTD @ 8055'. Circulate clean. TOO H with mill. SIW. SDFN, 7/30/2024 - TIH w/241jts, 2-3/8" 4.7#, J-55, set @ 7873', SN @ 7872'. ND BOP. NU WH. Swab well. RDMO.

### SR Attachments

#### Actual Procedure

3160\_5\_Rosa\_Unit\_101\_Subsequent\_Report\_Drill\_Out\_Bridge\_Plug\_20240730\_20240814124551.pdf

Well Name: ROSA UNIT

Well Location: T31N / R6W / SEC 24 /  
NESW / 36.88243 / -107.41618County or Parish/State: RIO  
ARRIBA / NM

Well Number: 101

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: 3003923361

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: AUG 14, 2024 12:47 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: Accepted

Disposition Date: 08/14/2024

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: Januar 31, 2025

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  
☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
O OS OPER TIN , C

3a. Address 2010 fton 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)  
Unit etter , Section 24, T31N, R6W, 1760' FS 1850' FW

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

8. Well Name and No. Rosa Unit 101

9. API Well No. 30-039-23361

10. Field and Pool or Exploratory Area  
Blanco Mesa erde / Basin Da ota

11. Country or Parish, State  
Rio rriba Count

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"/> 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 type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drill out CIBP	
	<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.)

7/26/2024 - MIRU. ND WH. NU BOP. TOOHH w/2-3/8" tbg. MU 3-7/8" mill, TIH to 6368'. SIW. SDFWE.

7/29/2024 - Continue to TIH to CBP @ 7024'. Circulate. Mill out bridge plug. Tag at 7800'. Mill out remainder of CBP. CO to PBTD @ 8055'. Circulate clean. TOOHH with mill. SIW. SDFN.

7/30/2024 - TIH w/241jts, 2-3/8" 4.7#, J-55, set @ 7873', SN @ 7872'. ND BOP. NU WH. Swab well. RDMO.

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

Title Regulator Specialist II

Signature Etta Trujillo

Date 8/14/2024

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

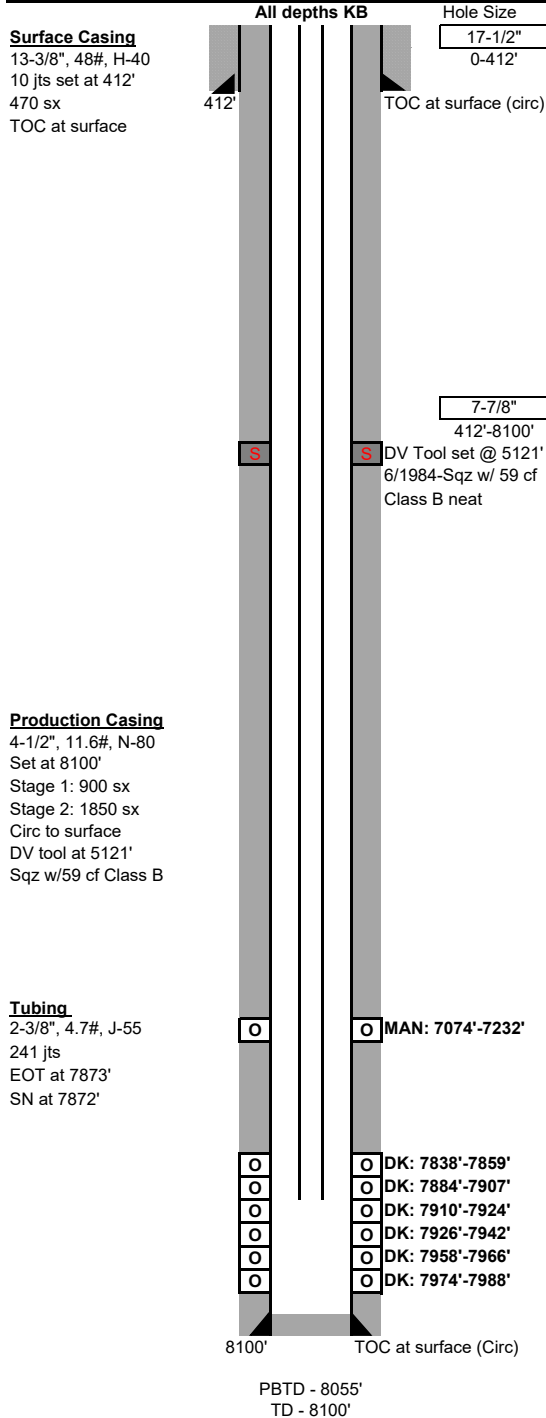
Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)



Well Name: Rosa Unit 101  
 Location: Sec 24, T-31N, R-06W 1760 FSL & 1850' FWL  
 County: Rio Arriba, NM  
 API #: 30-039-23361  
 Co-ordinates: Lat 36.8826828 Long -107.4168243  
 Elevations: GROUND: 6303'  
 KB: 6316'  
 Depths (KB): PBTD: 8055'  
 TD: 8100'

Prepared By: 7/10/2023 Peace  
 Reviewed By: 7/11/2023 Moss  
 Last Updated By: 8/6/2024 Sullivan  
 Spud Date: 12/19/1983  
 Completion Date: 8/3/1984  
 Last Workover Date: 7/26/2024

**WELLBORE SCHEMATIC**

**Surface Casing: (12/19/1983)**  
 Drilled a 17-1/2" surface hole to 412'. Set 10 jts of 13-3/8" 48# H-40 csg at 412'.  
 Cmt w/ 470 sx (15.6 ppg) of Class B w/ 2% CaC12. Circ 20 bbls to surface.

**Intermediate Casing: (12/19/1983)**  
 Drilled a 7-7/8" hole to 8100'. Set 196 jts of 4-1/2" 11.6# N-80 csg to 8100'.  
 Stg 1: Lead- Cmt w/ 800 sx (1309 ft3) of pozzolanic type 50:50, tailed w/ 100 sx of class B  
 neat. Stg 2: Lead- Cmt w/ 1750 sx of 65/35 poz, tailed w/ 100 sx of class B.  
 Circ to surface. DV tool set at 5121', sqz'd w/ 59 cf of Class B neat cmt.

Tubing:	Length (ft)
KB	13
(240) 2-3/8", 4.7#, J-55 tbg jts	7824
(1) 2-3/8" 4.7# J-55 marker jt	2
(1) 2-3/8" 4.7# J-55 tbg jt	32
(1) 1.78" Seat nipple @ 7872'	1
(1) 2-3/8" MS w/expendable check	1
Set at:	7873 ft

**Artificial Lift:**

**Perforations: (6/13/1984)**  
 Dakota: 7838'-7859', 7884'-7907', 7910'-7924', 7926'-7942', 7958'-7966', 7974'-7988',  
 (2 SPF, 0.38", 192 holes) Frac w/ 44,814# 20/40 sand in 47,850 gal 60# & 50# crosslinked  
 gel. Screened out at max pressure (6500 psi). Attempted 2nd frac w/ 79,500 gal crosslink  
 gel 129,500# 20/40 sand, screened out at 7000 psi.  
 Mancos: 7074'-7232' (1 SPF, 0.36", 158 holes)  
 Frac w/ 52,000 gal, 60# & 50# cross linked gel & 32,000# 20/40 sand. Screened out at  
 7500 psi.

**Formations:**

Ojo Alamo-	2396'	Mancos	6414'
Fruitland-	2845'	Greenhorn	7646'
Pictured Cliffs-	3138'	Dakota-	7829'
Mesaverde	5036'		

**Additional Notes:**

**1984-** Completed well and landed 2-3/8" tubing at 8100', sliding sleeve at 7220' and  
 pkr at 7344'.  
**10/11/1989-** TOOH w/ tbg and pkr. LD sliding sleeve and 2 jts due to corrosion and scale.  
 PKR was missing middle element, outside emlement were serverly damaged, & top seal  
 was missing hydalric, hold downs were badly worn. TIH w/ pkr w/ high temp rubbers & wire  
 mesh back-ups on tbg jts. Set pkr @ 7344' & tbg 7911'.  
**11/14/1995-** PKR test failed. Found 1/16" hole in top of pkr. Replaced pkr w/ Mountain  
 states arrowset pkr and TIH w/ same tbg. Landed pkr @ 7282' & tbg @ 7914'.  
**10/5/2023 - Wellbore commingle & isolation due to offset pad 27 completions.** TOOH  
 tbg: 107Y, 44B, 52G, 34R. LD 96 jts due to internal pitting, no scale on tbg, BHA clear. Set  
 4-1/2" semi-CBP at 7024'. TOOH and LD packer. Set 2-3/8" tbg at 6399'.  
**7/26/2024 - RTP well.** Mill out CBP at 7024' and clean out to PBTD at 8055'.  
 TIH with 2-3/8" J-55 land EOT at 7873'.  
 Max deviation 2-1/4° at 8068'

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 377423

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 377423
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
andrew.fordyce	Accepted for record.	9/2/2025