

Well Name: ROSA UNIT	Well Location: T31N / R6W / SEC 24 / NESW / 36.88243 / -107.41618	County 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	Well Status: Producing Gas Well	Operator: LOGOS OPERATING LLC

Notice of Intent

Sundry ID: 2779067

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 03/11/2024

Time Sundry Submitted: 10:36

Date proposed operation will begin: 04/01/2024

Procedure Description: Well was isolated with Semi Composite BP @ 7024' due to PAD 27 completions. LOGOS Operating, LLC request to drill out plug and return well to production, per DHC 5331. See attached operations procedure and wellbore schematic.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

3160\_5\_Rosa\_Unit\_101\_NOI\_to\_Drill\_Out\_Bridge\_Plug\_20240306\_20240311103612.pdf

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Allottee or Tribe Name:

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Unit or CA Number:  
NMNM78407E

US Well Number: 3003923361

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: MAR 11, 2024 10:36 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: 03/11/2024

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

5. Lease Serial No.  
NMSF078767

6. If Indian, Allottee or Tribe Name

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.

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

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)  
UNIT K SEC 24 T31N 6W 1760' FSL 1850' FWL

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  
BASIN MANCOS / BASIN DAKOTA

11. Country or Parish, State  
RIO ARRIBA

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	
	<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.)

Well was isolated with Semi Composite BP @ 7024' due to PAD 27 completions.

LOGOS Operating, LLC request to drill out plug and return well to production, per DHC 5331.

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  
Etta Trujillo

Date  
3/11/2024

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)



## DOWNHOLE COMMINGLE PROCEDURE AND ALLOCATION-NMOCD (2023)

### Rosa Unit 101

**30-039-23361**

**1760' FSL & 1850' FWL**

**Section 24, T31N, R06W**

**Rio Arriba, New Mexico**

**LAT: 36.8826828° N LONG: -107.4168243° W**

**Mancos/Dakota**

### PROJECT OBJECTIVE:

The Rosa Unit 101 is at risk of catastrophic failure from the nearby Pad 27 completions. In order to preserve wellbore integrity and protect the remaining reserves of the well it is recommended to remove the downhole packer, set a bridge plug above the Mancos perforations, effectively commingling the Mancos and Dakota. After offset wells are completed, the bridge plug will be removed and the well will be returned to production as a Mancos/Dakota commingle.

### 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. Pull tubing and packer out of hole and lay tubing down.
5. Set bridge plug within 50' of the Mancos perforations and load the hole with KCL water. SI well for offset completions.
6. Once offset well are completed, trip in hole to remove the bridge plug.
7. Run in hole with a single 2-3/8" production tubing string.
8. Return to production as a Mancos/Dakota commingle.

### PRODUCTION ALLOCATION

Historic production data from both zones in this well was gathered and analyzed. Cumulative production is not an applicable allocation method in this case; therefore, production rates were used to determine production allocation.

Total Gas Production Rate	11 Mcfd
MC Gas Production Rate	1 Mcfd
DK Gas Production Rate	10 Mcfd

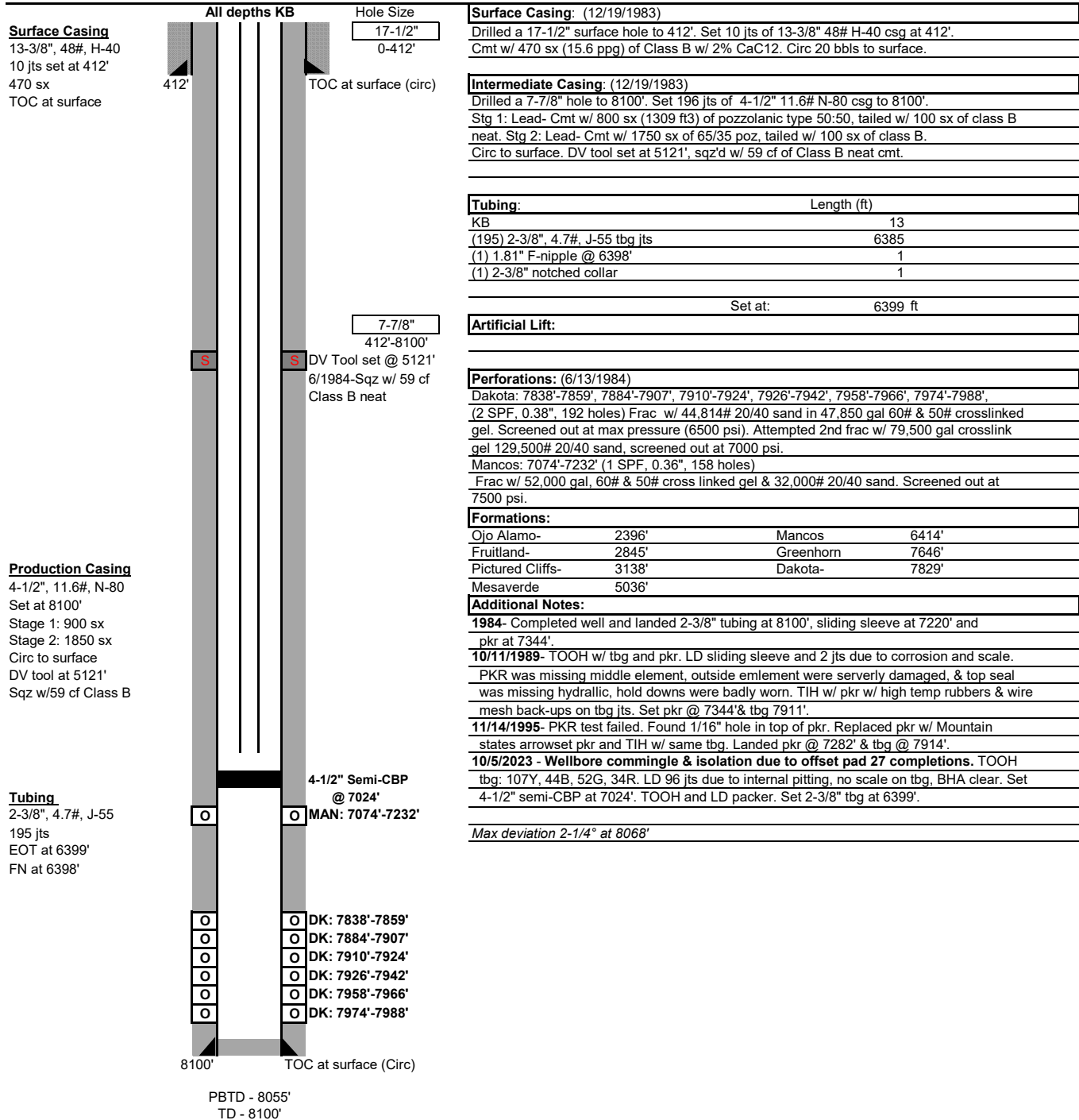
MC allocation = MC rate/total rate =  $1/11 = 9\%$

DK allocation = DK rate/total rate =  $10/11 = 91\%$



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): PBDT: 8055'  
 TD: 8100'

Prepared By: 7/10/2023 Peace  
 Reviewed By: 7/11/2023 Moss  
 Last Updated By: 2/5/2024 Moss  
 Spud Date: 12/19/1983  
 Completion Date: 8/3/1984  
 Last Workover Date: 10/5/2023

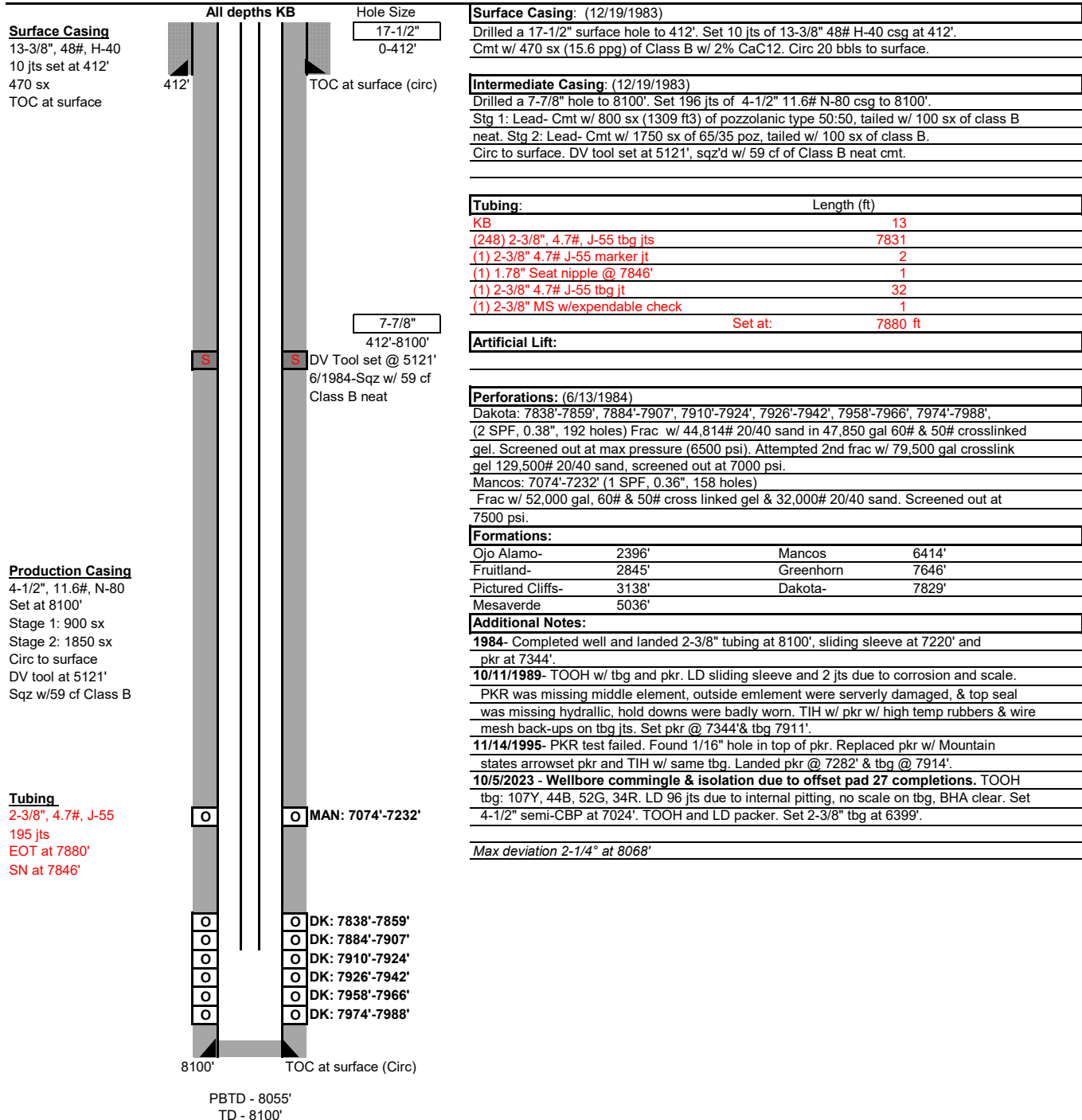
**WELLBORE SCHEMATIC**



Well Name:	Rosa Unit 101
Location:	Sec 24, T-31N, R-06W 1760 FSL & 1850' FWL
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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:	3/11/2024	Trujillo
Spud Date:	12/19/1983	
Completion Date:	8/3/1984	
Last Workover Date:	10/5/2023	

## WELLBORE SCHEMATIC



**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 322552

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 322552
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

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