U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report
03/13/2024

Well Name: ROSA UNIT	**Well Location:** T31N / R6W / SEC 23 / NWSW / 36.88268 / -107.43803	**County or Parish/State:** RIO ARRIBA / NM
Well Number: 98	**Type of Well:** CONVENTIONAL GAS WELL	**Allottee or Tribe Name:**
Lease Number: NMSF078771	**Unit or CA Name:** ROSA UNIT, ROSA UNIT--DK	**Unit or CA Number:** NMNM78407B, NMNM78407E
US Well Number: 3003923265	**Well Status:** Producing Gas Well	**Operator:** LOGOS OPERATING LLC

Notice of Intent

Sundry ID: 2779277

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 03/12/2024

Time Sundry Submitted: 12:16

Date proposed operation will begin: 04/01/2024

Procedure Description: LOGOS Operating, LLC request to drill out plug and return well to production. See attached operations procedure and wellbore schematic.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

3160_5_Rosa_Unit_98_NOI_to_Drill_Out_Bridge_Plug_20240312_20240312121538.pdf

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US Well Number: 3003923265	**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 12, 2024 12:15 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: 03/12/2024

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

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*

5. Lease Serial No.
NMSF078771

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
ROSA UNIT 98

2. Name of Operator
LOGOS OPERATING, LLC

9. API Well No.
30-039-23265

3a. Address
2010 AFTON PLACE
FARMINGTON, NM 87401

3b. Phone No. *(include area code)*
(505) 278-8720

10. Field and Pool or Exploratory Area
BASIN DAKOTA / BASIN MANCOS

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
UNIT L SEC 23 T31N 6W 1840' FSL 790' 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			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Drill out BP
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ 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 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 @ 6260' due to PAD 29 completions.

LOGOS Operating, LLC request to drill out plug and return well to production. 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 3/12/2024

THE SPACE FOR FEDERAL OR STATE OFICE 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 98
30-039-23265
1840' FSL & 790' FWL
Section 23, T31N, R06W
Rio Arriba, New Mexico
LAT: 36.8829536° N LONG: -107.4384918° W
Mancos/Dakota

PROJECT OBJECTIVE:

Remove packer and set a bridge plug above the Mancos perforations and load the hole to protect the wellbore during offset completions. Once offset completions are complete, mill the bridge plug and downhole commingle Mancos and Dakota.

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 completions are complete, trip in hole and mill the bridge plug.
7. Run in hole with 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.

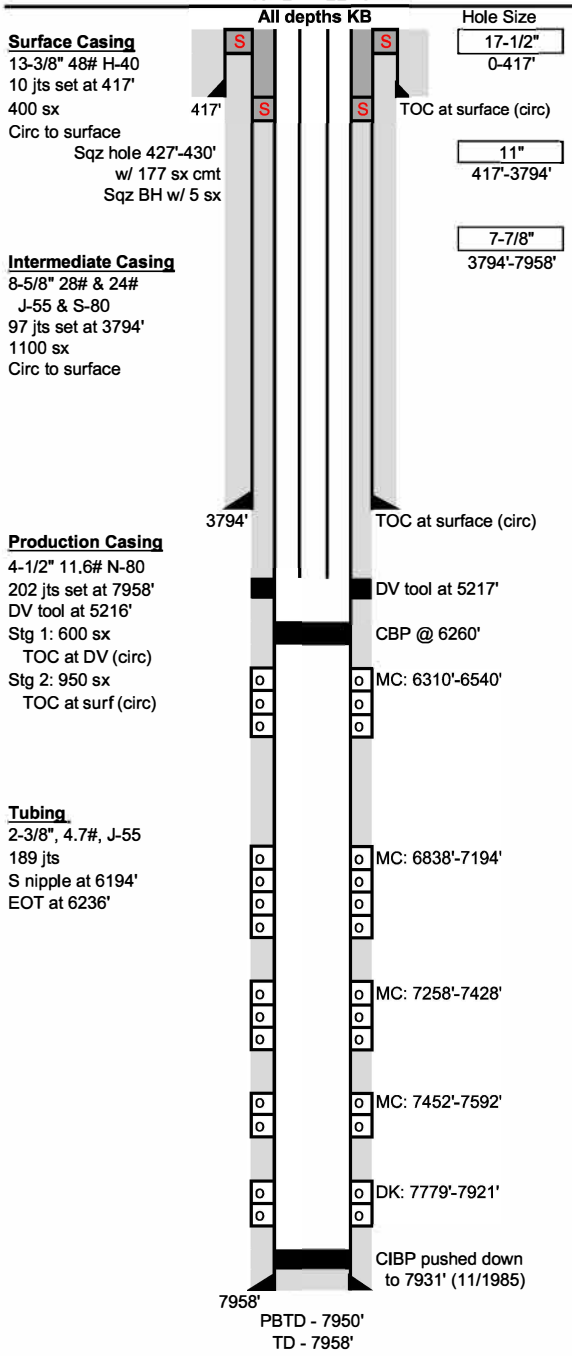
Total Gas Production Rate	117 Mcfd
MC Gas Production Rate	17 Mcfd
DK Gas Production Rate	100 Mcfd

MC allocation = MC rate/total rate = 17/117 = **15%**
DK allocation = DK rate/total rate = 100/117 = **85%**

LOGOS OPERATING

Well Name:	Rosa Unit 098	Date Prepared:	7/10/2023 Moss
Location:	L-23-31N-06W 1840' FSL & 790' FWL	Reviewed By:	7/11/2023 Peace
County:	Rio Arriba, NM	Last Updated:	7/18/2023 Peace
API #:	30-039-23265	Spud Date:	9/13/1983
Co-ordinates:	Lat 36.8829536, Long -107.4384918 NAD1983	Completion Date:	12/21/1983
Elevations: GROUND:	6267'	Last Workover Date:	9/7/2023
KB:	6279'		
Depths (KB): PBTD:	7950'		
TD:	7958'		

VERTICAL WELLBORE



Surface Casing: (9/14/1983)
Drilled a 17-1/2" surface hole to 417'. Set 10 jts 13-3/8", 48#, H-40 csg at 417'.
Cmt'd w/ 400 sx Class B cmt (480 ft3, 15.6 ppg). Circ 20 bbls cmt to surface.

Intermediate Casing: (10/5/1983)
Drilled an 11" intermediate hole to 3794'. Set 97 jts 8-5/8" csg at 3794'. (15 jts 28# J-55, 70 jts 24# J-55, 12 jts 28# S-80). Cmt'd w/ 300 sx Class B 65/35 poz w/ 6% gel (12.2 ppg). Tailed w/ 600 sx Class B 50/50 poz w/ 6% gel (13.3 ppg) & 200 sx Class B cmt (15.6 ppg). Circ 40 bbls to surface.

Production Casing: (10/25/1983)
Drilled a 7-7/8" production hole to 7958'. Set 202 jts 4-1/2", 11.6#, N-80 csg at 7958'. DV tool at 5217'. Cmt stg 1 w/ 500 sx Class B 50/50 poz cmt (13.3 ppg) followed by 100 sx Class B neat cmt (15.6 ppg). Circ 20 bbls. Cmt'd Stg 2 w/ 850 sx Class B 65/35 poz cmt (12.2 ppg) followed by 100 sx Class B neat (15.6 ppg) cmt. Circ 20 bbls to surf. 11/1985: Identified csg hole from 427'-430'. Sqz'd w/ 120 sx (140 ft3) Class B cmt, circ to surf. Hesitation sqz w/ another 57 sx (67ft). BH wouldn't hold pressure so sqz'd w/ 5 sx (5.9 ft3) cmt.

Tubing:	Length (ft)
KB	12
(189) 2-3/8" 4.7# J-55 8rd tbg jts	6192
(1) S Nipple at 6194'	1
(1) 2-3/8" tbg jt w/ 1/2 MS w/ exp check	31
Set at:	6236 ft

Artificial Lift:
NA

Perforations: (12/1983)
DK: (7779'-7921'): 2 SPF, 80, 0.38" holes. 7779'-7797', 7827'-7838', 7868'-7872', & 7914'-7921'. Frac w/ 205,000# 20/40 sand in 95,000 gal 50# x-link gel
MC: (7452'-7592'): 1 SPF, 140, 0.38" holes. Frac'd this zone multiple times.
1st frac: H2O frac w/ 50,000 gal 30# x-link gel.
2nd frac: 32,680# of 20/40 sand in 26,340 gal 30# gel. Screened out at 6200 psi.
MC: (7258'-7428') 1 SP2F, 86, 0.38" holes.
Frac w/ 65,000# 20/40 sand in 95,000 gal 50# x-link gel.
MC: (6838'-7194') 1 SP2F, 108, 0.39" holes. 6838'-6862', 6864'-6886', 6888'-6910', 6912'-6934' 6936'-6958', 6960'-6982', 6983'-7003', 7010'-7026', 7028'-7050', 7052'-7074' & at 1 SP2F, 55, 0.29" holes. 7076'-7098', 7100'-7122', 7124'-7146', 7148'-7170, & 7172'-7194'.
Frac w/ 150,000# 20-40 sand in 165,000 gal 50# x-link gel.
MC: (6310'-6540') 1 SP2F,105 , 0.39" holes. 6310'-6324', 6326'-6348', 6350'-6372', 6374'-6396', 6398'-6416', 6420'-6444', 6446'-6468', 6470'-6492', 6494'-6516', 6518'-6540'.
Frac w/ 64,000# 20/40 sand in 89,572 gal 50# x-link gel.

Formations:	MD		
Pictured Cliffs	3100'	Greenhorn	7592'
Mesaverde	5277'	Dakota	7823'
Gallup	6310'		

Additional Notes:
12/1983 Initial completion. Perf'd & stim'd MC & DK. CO to PBTD 7950'. Set pkr at 7691' & sliding sleeve at 7590'-7593'. Single 2-3/8" tbg string landed at 7929'.
11/1985 Csg Repair. Couldn't release packer at 7691'. Chem cut tbg at 6566'. Jarred pkr free w/ 62k # & pull fish consisting of tbg, sliding sleeve, & pkr. Set BP at 6184' & isolated csg holes between 427'-430'. Sqz w/ 177 sx cmt. DO cmt & PT csg to 1050 psig, held. PT BH to 550 psig, pressured up immeditely. Sqz'd BH w/ 5 sx cmt. PT csg again to 2200#, held. PT BH to 400#, held. DO BP & pushed down to 7931'. Ran 2-3/8" tbg w/ pkr & sliding sleeve. EOT at 7880'.
9/2023 Wellbore Isolation. Set CBP at 6260'. Landed TBG at 6236'.

LOGOS OPERATING

Proposed Wellbore

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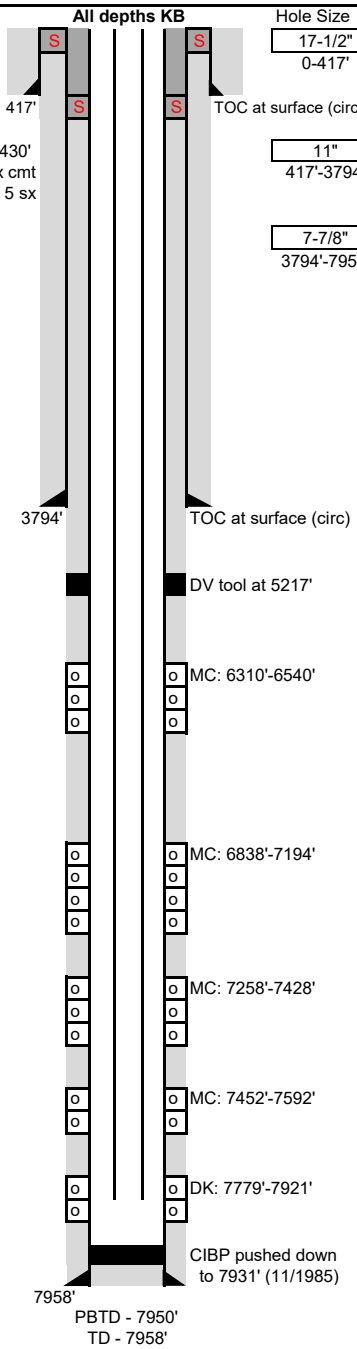

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Tubing:	Length (ft)
KB	12
(~245) 2-3/8" 4.7# J-55 tbg jts	7742
(1) 2-3/8" 4.7# J-55 marker jt	2
(1) 2-3/8" 4.7# J-55 tbg jt	32
(1) 1.78" S Nipple	1
(1) 2-3/8" tbg jt w/ 1/2 MS w/ exp check	1
Set at:	7790 ft

Artificial Lift:
NA

Perforations: (12/1983)
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9/2023 Wellbore Isolation. Set CBP at 6260'. Landed TBG at 6236'.

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 322814

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 322814
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

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