

<b>Well Name:</b> ROSA UNIT	<b>Well Location:</b> T31N / R5W / SEC 7 / NESE / 36.913904 / -107.399208	<b>County or Parish/State:</b> RIO ARRIBA / NM
<b>Well Number:</b> 702H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMSF0078767	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b> MNM078407E
<b>US Well Number:</b> 3003931439	<b>Operator:</b> LOGOS OPERATING LLC	

### Subsequent Report

**Sundry ID:** 2801717

**Type of Submission:** Subsequent Report

**Type of Action:** Drilling Operations

**Date Sundry Submitted:** 07/18/2024

**Time Sundry Submitted:** 10:27

**Date Operation Actually Began:** 05/15/2024

**Actual Procedure:** 4/20/2024 - Offline - PT 20" casing 600psi/30mins. Good Test. 5/15/2024 - Skid rig from the Rosa Unit 700H to Rosa Unit 702H. NU & test BOP. Test good. PU 12.25" directional BHA. 5/16 - 5/19/2024 - Continue to PU BHA. Drill out float collar & surface csg shoe. Drill 12.25" hole f/ 375' t/2888'. Perform wiper trip. Drill f/2888 t/5911'. Lost returns. Spot LCM pill. PU to 2845'. Circulate. PU to 500', wait on LCM pill to set. TIH, wash & ream f/4600' t/5911'. Drill 12.25" hole f/5911' t/6049'. 5/20/2024 - Drill f/6049' t/6415' (TD). Circulate. Perform short trip to 5500'. Circ and Pump sweep. TOOH. RU casing crew. Run 15jts 9.625" csg to 595'. 5/21 - 5/22/2024 - Continue to run total 139jts of 9.625" 47#, L-80, BTC csg set @ 6391' w/FC @ 6300'. DV tool @ 4814' & 3024'. Circulate & condition. Pump 70bbl dye spacer, 1st stage Lead cmt w/527sx (178bbbls, 1001cf) Class G/Poz - 65/35, 12.4 ppg, 1.90yield. Tail w/467sx (91bbbls, 514cf) Class G cmt, 15.8ppg, 1.10yield. Displaced w/461 bbbls. Bumped plug w/1100psi. Open DV tool. Circulate. No cmt to surface. dye spacer returns. RD CRT. ND BOP. RR. Skid rig to Rosa Unit 706H. Set offline adapter. Circulate and WOC. Offline Pump 2nd stage Lead cmt w/760sx (257bbbls, 1444cf) Class G/Poz - 65/35, 12.4ppg, 1.90yield. Tail w/239sx (67bbbls, 378cf) Class G 65/35, 13.2ppg, 1.58yield. Displaced w/350bbbls. Bump plug w/2000psi. Inflate ACP. Open DV Tool. Circulate - 200bbbls cmt to surface. Continue to circulate. Offline - Pump 3rd stage Lead cmt w/1194sx (404bbbls, 1887cf) Class G/Poz - 65/35, 12.4ppg, 1.58yield. Tail w/260sx (73bbbls, 411cf) Class G 65/35, 13.2ppg, 1.58yield. Displaced w/221bbbls. 150bbbls of cmt to surface. Bump plug w/2100psi. RD. Install TA cap. 6/13/2024 - Run CBL. Estimated TOC @ surface. Verbal approval from Monica Kuehling (OCD) & Virgil Lucero (BLM) to proceed without remediation. Pressure test will be included in the next sundry.

Well Name: ROSA UNIT

Well Location: T31N / R5W / SEC 7 /  
NESE / 36.913904 / -107.399208County or Parish/State: RIO  
ARRIBA / NM

Well Number: 702H

Type of Well: CONVENTIONAL GAS  
WELL

Allottee or Tribe Name:

Lease Number: NMSF0078767

Unit or CA Name:

Unit or CA Number:  
NMNM078407E

US Well Number: 3003931439

Operator: LOGOS OPERATING LLC

**SR Attachments****PActual Procedure**

3160\_005\_Rosa\_Unit\_702H\_Intermediate\_Subsequent\_Report\_20240522\_AMENDED\_20240718102554.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:** JUL 18, 2024 10:27 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:** MATTHEW H KADE**BLM POC Title:** Petroleum Engineer**BLM POC Phone:** 5055647736**BLM POC Email Address:** MKADE@BLM.GOV**Disposition:** Accepted**Disposition Date:** 07/18/2024**Signature:** Matthew Kade

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Amended

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.  
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  
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 J SEC 7 T31N 5W 2612' FSL 1322' FEL

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

8. Well Name and No.  
ROSA UNIT 702H

9. API Well No.  
30-039-31439

10. Field and Pool or Exploratory Area  
BASIN MANCOS

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 checked="" 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 Intermediate casing
	<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 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 recompleation 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.)

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6/13/2024 - Run CBL. Estimated TOC @ surface. Verbal approval from Monica Kuehling (OCD) & Virgil Lucero (BLM) to proceed without remediation.

Pressure test will be included in the next sundry.

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

Etta Trujillo

Title Regulatory Specialist

Signature Etta Trujillo

Date 7/18/2024

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.

**From:** [Ryan Haddow](#)  
**To:** [Etta Trujillo](#); [Lacey Granillo](#); [Vanessa Fields](#)  
**Cc:** [Krista McWilliams](#)  
**Subject:** FW: [EXTERNAL] Logos / Rosa Unit 702H - 9-5/8" CBL for BLM/NMOCD  
**Date:** Thursday, June 20, 2024 11:57:10 AM  
**Attachments:** [image001.png](#)

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Etta, Lacey, Vanessa,

See below for your records.

Thanks.

Ryan Haddow  
713-206-2421

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**From:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
**Sent:** Thursday, June 20, 2024 11:52 AM  
**To:** Lucero, Virgil S <[vlucero@blm.gov](mailto:vlucero@blm.gov)>; Ryan Haddow <[rhaddow@logosresourcesllc.com](mailto:rhaddow@logosresourcesllc.com)>  
**Cc:** Randy Edgeington <[redgeington@logosresourcesllc.com](mailto:redgeington@logosresourcesllc.com)>; Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>  
**Subject:** RE: [EXTERNAL] Logos / Rosa Unit 702H - 9-5/8" CBL for BLM/NMOCD

NMOCD approves to continue with operations

Thank you

Monica Kuehling  
Compliance Officer Supervisor  
Deputy Oil and Gas Inspector  
New Mexico Oil Conservation Division  
North District  
Office Phone: 505-334-6178 ext. 123  
Cell Phone: 505-320-0243  
Email - [monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)

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**From:** Lucero, Virgil S <[vlucero@blm.gov](mailto:vlucero@blm.gov)>  
**Sent:** Thursday, June 20, 2024 11:13 AM  
**To:** Ryan Haddow <[rhaddow@logosresourcesllc.com](mailto:rhaddow@logosresourcesllc.com)>; Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
**Cc:** Randy Edgeington <[redgeington@logosresourcesllc.com](mailto:redgeington@logosresourcesllc.com)>; Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>  
**Subject:** Re: [EXTERNAL] Logos / Rosa Unit 702H - 9-5/8" CBL for BLM/NMOCD

We appreciate the call, BLM approves request to move forward with production string.

Thank you,

Virgil Lucero

Supervisory Petroleum Engineering Technician

6251 College Blvd, Suite A

Farmington, NM 87402

D - 505-564-7752

C - 505-793-1836

Email: [vlucero@blm.gov](mailto:vlucero@blm.gov)

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**From:** Ryan Haddow <[rhaddow@logosresourcesllc.com](mailto:rhaddow@logosresourcesllc.com)>

**Sent:** Thursday, June 20, 2024 7:57 AM

**To:** Lucero, Virgil S <[vlucero@blm.gov](mailto:vlucero@blm.gov)>; [monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)  
<[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>

**Cc:** Randy Edgeington <[redgeington@logosresourcesllc.com](mailto:redgeington@logosresourcesllc.com)>; Vanessa Fields  
<[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>

**Subject:** [EXTERNAL] Logos / Rosa Unit 702H - 9-5/8" CBL for BLM/NMOCD

**This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.**

Good morning, Virgil and Monica,

This is regarding the **Rosa Unit 702H well**. We'd like to discuss on a call at 11 AM today if possible?

Situation:

On the Rosa Unit 702H, we pumped the 9-5/8" cement job on 5/21/2024 and did not circulate any cement to surface on Stage#1. On Stage #2 we circulated 200 bbls of cement to surface and Stage #3 (final stage) we circulated 150 bbls of cement to surface. Per COA in the APD, we ran an offline CBL in the 9-5/8" casing on the 702H and found cement isolation in all formations.

Please find attached is Rosa Unit 702H – 9-5/8" CBL and Wellbore Diagram for reference.

Plan forward:

We are requesting approval to move forward with operations as planned (drill out 9-5/8" shoe, drill 8-1/2" hole section, run 5-1/2" casing, and cement).

Please let us know if we can proceed forward, or if you have any questions.

Thank you.

Best regards,

**Ryan Haddow**

Drilling Manager  
LOGOS Operating, LLC  
2010 Afton Place  
Farmington, NM 87401

**Cell:** 713-206-2421

**Email:** [rhaddow@logosresourcesllc.com](mailto:rhaddow@logosresourcesllc.com)



**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 365433

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 365433
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	None	8/20/2024