

<b>Well Name:</b> ROSA UNIT	<b>Well Location:</b> T31N / R5W / SEC 7 / NESE / 36.913792 / -107.399109	<b>County or Parish/State:</b> RIO ARRIBA / NM
<b>Well Number:</b> 704H	<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> 3003931442	<b>Operator:</b> LOGOS OPERATING LLC	

### Subsequent Report

**Sundry ID:** 2801728

**Type of Submission:** Subsequent Report

**Type of Action:** Drilling Operations

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

**Time Sundry Submitted:** 10:40

**Date Operation Actually Began:** 05/07/2024

**Actual Procedure:** 4/29/24 - PT 13-3/8" casing 1500psi/30mins. Good test. 5/7/24 - Skid rig from Rosa Unit 701H to Rosa Unit 704H. NU BOP. Test BOPE per regulations. Good Test. PU directional BHA. 5/8/24 - TIH. Wash & ream f/3258' t/3352'. Drill float collar and shoe track f/3352' t/3442'. Drill cmt f/3442' t/3457'. Drill 12-1/4" hole f/3458' t/5093'. 5/9 - 5/10/24 - Continue to drill 12-1/4" hole f/5093' t/5846' with partial to full losses. Ream f/5846' t/5200'. PU 4529' & perform LCM squeeze f/4529' t/5846. Circulate. PU to 3425'. Allow hole to heal. Trip for blockage in BHA. TIH wash & ream f/4300' t/5846'. Drill f/5846' t/6323' (TD). Circulate and condition hole. POOH. 5/11/2024 - RU csg crew. RIH w/146jts of 9.625" 47#, L-80, BTC csg set @ 6294' w/FC @ 6202'. DV tool @ 4704' & 3518'. Circulate & condition. Pump 1st stage Lead cmt w/470sx (159bbls, 893cf) Class G/Poz - 65/35, 12.4 ppg, 1.90yield. Tail w/458sx (90bbls, 504cf) Class G cmt, 15.8ppg, 1.10yield. Displaced w/454 bbls. Bumped plug w/1000psi. Inflate ACP. Open DV tool. Circulate. No cmt to surface. 5/12/24 - RD CRT. ND BOP. RR. Skid rig to Rosa Unit 700H. Set offline adapter. Circulate and WOC. Offline Pump 2nd stage Lead cmt w/1028sx (348bbls, 1953cf) Class G/Poz - 65/35, 12.4ppg, 1.90yield. Tail w/257sx (72bbls, 406cf) Class G/Poz 65/35, 13.2ppg, 1.58yield. Displaced w/341bbls. Lost returns @ 190bbls. 3bbls of cmt to surface. Bump plug w/2450psi. Inflate ACP. Drop DV2 cancellation plug. Cancel stage 3. RD. 6/27/24 - Run CBL. Estimated TOC @ surface. Verbal approval from Monica Kuehling (OCD) & Virgil Lucero (BLM) to proceed without remediation. Pressure test will be included on the next sundry.

Well Name: ROSA UNIT

Well Location: T31N / R5W / SEC 7 /  
NESE / 36.913792 / -107.399109County or Parish/State: RIO  
ARRIBA / NM

Well Number: 704H

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: 3003931442

Operator: LOGOS OPERATING LLC

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

3160\_005\_Rosa\_Unit\_704H\_Intermediate2\_Subsequent\_Report\_20240512\_AMENDED\_20240718103946.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 10:41 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 ☐ Other2. Name of Operator  
LOGOS OPERATING, LLC3a. Address 2010 AFTON PLACE  
FARMINGTON, NM 874013b. Phone No. (include area code)  
(505) 278-87204. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
UNIT 1 SEC 7 T31N 5W 2592' FSL 1308' FEL

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

8. Well Name and No.  
ROSA UNIT 704H9. API Well No.  
30-039-3144210. Field and Pool or Exploratory Area  
BASIN MANCOS11. 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 INT2 casing
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
<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 recompleat 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 performed 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 recompleat 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 determined that the site is ready for final inspection.)

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6/27/24 - Run CBL. Estimated TOC @ surface. Verbal approval from Monica Kuehling (OCD) &amp; Virgil Lucero (BLM) to proceed without remediation.

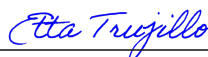
**Pressure test will be included on the next sundry.**

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

Etta Trujillo

Title Regulatory Specialist

Signature



Date 7/17/2024

**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)

**From:** [Ryan Haddow](#)  
**To:** [Etta Trujillo](#); [Lacey Granillo](#); [Vanessa Fields](#)  
**Subject:** FW: [EXTERNAL] Logos / Rosa Unit 704H - 9-5/8" CBL for BLM/NMOCD  
**Date:** Tuesday, July 9, 2024 11:11:01 AM  
**Attachments:** [image001.png](#)

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Etta,

Below is the email response from Monica.

Still waiting on a response back from Virgil. However, they both did verbally approve.

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:** Monday, July 8, 2024 1:17 PM  
**To:** Ryan Haddow <[rhaddow@logosresourcesllc.com](mailto:rhaddow@logosresourcesllc.com)>; Lucero, Virgil S <[vlucero@blm.gov](mailto:vlucero@blm.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 704H - 9-5/8" CBL for BLM/NMOCD

Ryan

NMOCD approves to continue on with the above well without remediation on the 9  
5/8

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:** Ryan Haddow <[rhaddow@logosresourcesllc.com](mailto:rhaddow@logosresourcesllc.com)>  
**Sent:** Monday, July 8, 2024 11:48 AM  
**To:** Lucero, Virgil S <[vlucero@blm.gov](mailto:vlucero@blm.gov)>; 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 704H - 9-5/8" CBL for BLM/NMOCD

Hi Virgil and Monica,

Just wanted to follow up on our conversation last week about the Rosa Unit 704H – 9-5/8" CBL and see if you can provide us with an email confirmation for our records.

Thank you.

Best regards,

Ryan Haddow  
713-206-2421

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**From:** Lucero, Virgil S <[vlucero@blm.gov](mailto:vlucero@blm.gov)>

**Sent:** Wednesday, July 3, 2024 10:20 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 704H - 9-5/8" CBL for BLM/NMOCD

I'm available at 1pm.

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:** Wednesday, July 3, 2024 7:18 AM  
**To:** Lucero, Virgil S <[vlucero@blm.gov](mailto:vlucero@blm.gov)>; Kuehling, Monica, EMNRD <[monica.kuehling@emnr.dnm.gov](mailto:monica.kuehling@emnr.dnm.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 704H - 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 704H well**. We'd like to discuss on a call today at 1 PM (7.3.2024) if you're available?

**Situation:**

On the Rosa Unit 704H, we pumped the 9-5/8" cement job on 5/11/2024 and did not circulate any cement to surface on Stage#1. On Stage #2 we circulated 3 bbls of cement to surface. Per COA in the APD, we ran an offline CBL in the 9-5/8" casing and found cement isolation in all formations.

Please find attached is Rosa Unit 704H – 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 365434

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 365434
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

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