

Well Name: ROSA UNIT	Well Location: T31N / R5W / SEC 7 / NESE / 36.913792 / -107.399109	County or Parish/State: RIO ARRIBA / NM
Well Number: 705H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF78767	Unit or CA Name: ROSA UNIT	Unit or CA Number: NMNM78407E
US Well Number: 3003931438	Operator: LOGOS OPERATING LLC	

Subsequent Report

Sundry ID: 2802119

Type of Submission: Subsequent Report

Type of Action: Drilling Operations

Date Sundry Submitted: 07/22/2024

Time Sundry Submitted: 10:17

Date Operation Actually Began: 05/31/2024

Actual Procedure: 4/18/2024 - Rosa Unit 705H offline - Pressure test 20" csg to 600psi/60mins. Good test, 5/31 - 6/3/2024 - Skid rig from Rosa Unit 706H to Rosa Unit 705H, NU & test BOP. Good test, MU 12-1/4" directional BHA, TIH Drill cement & shoe track f/354' t/613, Drill 12-1/4" f/613' t/2881', Circulate hole clean. Make wiper trip to 546'. Drill f/2881' t/5811'. Lost returns. Pump LCM sweeps. Drill f/5811' t/6300' (TD), Circulate hole clean. Perform wiper trip. Wash & ream f/4800' t/5625'. Pump LCM. 6/4/2024 - Continue wiper trip. Wash & ream f/5625' t/6300'. Circulate. Lay down directional tools. RIH with 88jts 9-5/8" to 2633' 6/5 - 6/6/2024 - Continue to RIH with 9.625" csg, total of 148jts, 47#, L-80, BTC csg set @ 6216' w/FC @ 6138'. DV tool @ 4655' & 2918'. Could not get csg any deeper, Received verbal approval from Monical K (NMOCD) & Virgil L (BLM). Circulate & condition. Mix & pump 70bbl spacer w/dye. Pump 1st stage Lead cmt w/807sx (273bbbls, 1533cf) Class G/Poz - 65/35, 12.4 ppg, 1.90yield. Tail w/460sx (90bbbls, 506cf) Class G cmt, 15.8ppg, 1.10yield. Displaced w/452 bbbls. Bumped plug w/2200psi. Open DV tool. Circ. No cmt to surface. WOC. Mix & pump 70bbl spacer w/dye. Pump 2nd stage Lead cmt w/727sx (246bbbls, 1381cf) Class G/Poz - 65/35, 12.4ppg, 1.90yield. Tail w/238sx (67bbbls, 376cf) Class G/Poz 65/35, 13.2ppg, 1.58yield. Displaced w/343bbbls. Bump plug w/1700psi. Open DV tool. Circ. No cmt to surface. WOC. Mix & pump 70bbl spacer w/dye. Pump 3rd stage Lead cmt w/1283sx (434bbbls, 2438cf) Class G/Poz - 65/35, 12.4ppg, 1.90yield. Tail w/274sx (77bbbls, 433cf) Class G/Poz 65/35, 13.2ppg, 1.58yield. Displace w/216bbbls. 190bbbls cmt to surface. Bump plug w/2100psi. RD crew. ND BOP. 6/9 - 6/10/2024 - Skid rig from RU 704H to RU 705H. NU & test BOP. Good test, TIH drill out DV tool #1 & 2. TIH to 6106' (DP measurement), PT 9-5/8" csg 1600psi/30min. Good test, POOH, ND, 6/13/2024 - RU. Run CBL f/surface t/6121'. (WL measurement), Received verbal approval from Monical K (NMOCD) & Virgil L (BLM).

Well Number: 705H	Well Location: T31N / R5W / SEC 7 / NESE / 36.913792 / -107.399109	County or Parish/State: RIO ARRIBA / NM
Lease Number: NMSF78767	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
US Well Number: 3003931438	Unit or CA Name: ROSA UNIT	Unit or CA Number: NMNM78407E
	Operator: LOGOS OPERATING LLC	

SR Attachments

PActual Procedure

3160_005_Rosa_Unit_705H_Intermediate_Subsequent_Report_20240613_AMENDED_20240722101716.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 22, 2024 10:18 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: 07/22/2024

Signature: s/ 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		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. ROSA UNIT 705H
2. Name of Operator LOGOS OPERATING, LLC		9. API Well No. 30-039-31438
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 MANCOS
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) UNIT I SEC 7 T31N 5W 2551' FSL 1279' FEL		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
	<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 recomplate 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 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 determined that the site is ready for final inspection.)

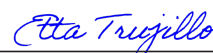
4/18/2024 - Rosa Unit 705H offline - Pressure test 20" csg to 600psi/60mins. Good test.

5/31 - 6/3/2024 - Skid rig from Rosa Unit 706H to Rosa Unit 705H. NU & test BOP. Good test. MU 12-1/4" directional BHA. TIH Drill cement & shoe track f/354' t/613. Drill 12-1/4" f/613' t/2881', Circulate hole clean. Make wiper trip to 546'. Drill f/2881' t/5811'. Lost returns. Pump LCM sweeps. Drill f/5811' t/6300' (TD). Circulate hole clean. Perform wiper trip. Wash & ream f/4800' t/5625'. Pump LCM.

6/4/2024 - Continue wiper trip. Wash & ream f/5625' t/6300'. Circulate. Lay down directional tools. RIH with 88jts 9-5/8" to 2633'

6/5 - 6/6/2024 - Continue to RIH with 9.625" csg, total of 148jts, 47#, L-80, BTC csg set @ 6216' w/FC @ 6138'. DV tool @ 4655' & 2918'. Could not get csg any deeper, Received verbal approval from Monical K (NMOCD) & Virgil L (BLM). Circulate & condition. Mix & pump 70bbl spacer w/dye. Pump 1st stage Lead cmt w/807sx (273bbbls, 1533cf) Class G/Poz - 65/35, 12.4 ppg, 1.90yield. Tail w/460sx (90bbbls, 506cf) Class G cmt, 15.8ppg, 1.10yield. Displaced w/452 bbbls. Bumped plug w/2200psi. Open DV tool. Circ. No cmt to surface. WOC. Mix & pump 70bbl spacer w/dye. Pump 2nd stage Lead cmt w/727sx (246bbbls, 1381cf) Class G/Poz - 65/35, 12.4ppg, 1.90yield. Tail w/238sx (67bbbls, 376cf) Class G/Poz 65/35, 13.2ppg, 1.58yield. Displaced w/343bbbls. Bump plug w/1700psi. Open DV tool. Circ. No cmt to surface. WOC. Mix & pump 70bbl spacer w/dye. Pump 3rd stage Lead cmt w/1283sx (434bbbls, 2438cf) Class G/Poz - 65/35, 12.4ppg, 1.90yield. Tail w/274sx (77bbbls, 433cf) Class G/Poz 65/35, 13.2ppg, 1.58yield. Displace w/216bbbls. 190bbbls cmt to surface. Bump plug w/2100psi. RD crew. ND BOP. 6/9 - 6/10/2024 - Skid rig from RU 704H to RU 705H. NU & test BOP. Good test. TIH drill out DV tool #1 & 2. TIH to 6106' (DP measurement). PT 9-5/8" csg 1600psi/30min. Good test. POOH. ND.

6/13/2024 - RU. Run CBL f/surface t/6121'. (WL measurement). Received verbal approval from Monical K (NMOCD) & Virgil L (BLM).

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Etta Trujillo		Title Regulatory Specialist
Signature 		Date 7/22/2024

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](#)
Cc: [Krista McWilliams](#)
Subject: FW: [EXTERNAL] Logos / Rosa Unit 705H - 9-5/8" CBL for BLM/NMOCD
Date: Thursday, June 20, 2024 9:56:44 AM
Attachments: [image001.png](#)

Etta, Lacey, Vanessa,

See below for your records.

Thanks.

Ryan Haddow
713-206-2421

From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Sent: Thursday, June 20, 2024 9:48 AM
To: Ryan Haddow <rhaddow@logosresourcesllc.com>
Cc: Vanessa Fields <vfields@logosresourcesllc.com>
Subject: RE: [EXTERNAL] Logos / Rosa Unit 705H - 9-5/8" CBL for BLM/NMOCD

Good morning

There is a gap of 1300 feet – PC is open All ofther formtion

Approval was given on Tuesday to continue on without remediation.

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

From: Ryan Haddow <rhaddow@logosresourcesllc.com>
Sent: Thursday, June 20, 2024 7:54 AM
To: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Cc: Vanessa Fields <vfields@logosresourcesllc.com>
Subject: [EXTERNAL] Logos / Rosa Unit 705H - 9-5/8" CBL for BLM/NMOCD

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning, Monica,

Just wanted to follow up from our conversation on Tuesday about the Rosa Unit 705H - CBL. I sent an email yesterday, but it got kicked back.

Can we please get an email confirmation from you when you get a chance so we can include in our records?

Thank you.

Best regards,

Ryan Haddow
713-206-2421

From: Ryan Haddow
Sent: Wednesday, June 19, 2024 2:09 PM
To: monica.kuehling@state.nm.us
Cc: Vanessa Fields <vfields@logosresourcesllc.com>
Subject: RE: [EXTERNAL] Rosa Unit 705H - 9-5/8" CBL for BLM/NMOCD

Hi Monica,

Can we please get an email confirmation from you when you get a chance so we can include in our records?

Thank you.

Best regards,

Ryan Haddow
713-206-2421

From: Lucero, Virgil S <vlucero@blm.gov>
Sent: Tuesday, June 18, 2024 11:54 AM
To: Ryan Haddow <rhaddow@logosresourcesllc.com>; monica.kuehling@state.nm.us
Cc: Randy Edgeington <redgeington@logosresourcesllc.com>; drilling <drilling@logosresourcesllc.com>

Subject: Re: [EXTERNAL] Rosa Unit 705H - 9-5/8" CBL for BLM/NMOCD

The FFO BLM approves the request to move forward with operations as planned (drill out 9-5/8" shoe, drill 8-1/2" section, run 5-1/2" casing, and cement).

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

From: Ryan Haddow <rhaddow@logosresourcesllc.com>

Sent: Tuesday, June 18, 2024 11:25 AM

To: Lucero, Virgil S <vlucero@blm.gov>; monica.kuehling@state.nm.us <monica.kuehling@state.nm.us>

Cc: Randy Edgeington <redgeington@logosresourcesllc.com>; drilling <drilling@logosresourcesllc.com>

Subject: [EXTERNAL] Rosa Unit 705H - 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.

Hi Virgil and Monica,

This is regarding the Rosa Unit 705H well.

I sent an email earlier today with the .tif and .las, but it may have been too big to come through all together.

Situation:

On the Rosa Unit 705H, we pumped the 9-5/8" cement job and did not circulate cement to surface on Stage#1 or Stage #2. On Stage #3 (final stage) we circulated 190 bbls of cement to surface. Per COA, we ran an offline CBL in the 9-5/8" casing on the 705H and found cement coverage at the following depths:

- Cement bond from TD to 4,186' (Mesaverde formation).
- Cement bond from 3,874' - 3,826' (Mesaverde formation).
- Cement bond from 3,300' - 3,200' (Fruitland formation)
- Cement bond from 3,094' - 3,042' (Fruitland formation)
- Cement bond from 2,924' - surface (Fruitland, Kirtland, Ojo Alamo formations)

Please find attached is Rosa Unit 705H – 9-5/8" CBL and Wellbore Diagram.

Plan forward:

We are requesting approval to move forward with operations as planned (drill out 9-5/8" shoe, drill 8-1/2" 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



From: [Vanessa Fields](#)
To: [Etta Trujillo](#); [Lacey Granillo](#)
Subject: FW: [EXTERNAL] LOGOS
Date: Wednesday, June 5, 2024 1:49:35 PM
Attachments: [image001.png](#)
[image002.png](#)

Vanessa Fields
Regulatory Manager
Email: vfields@logosresourcesllc.com
Office: 505-787-2218
Cell: 505-320-1243



From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Sent: Wednesday, June 5, 2024 1:36 PM
To: Lucero, Virgil S <vlucero@blm.gov>; Randy Edgeington <redgeington@logosresourcesllc.com>
Cc: Ryan Haddow <rhaddow@logosresourcesllc.com>; Randall Reinhardt <rreinhardt@logosresourcesllc.com>; Vanessa Fields <vfields@logosresourcesllc.com>
Subject: RE: [EXTERNAL] LOGOS

NMOCD approved verbally. If circulation is not achieved on any stage including the shoe a CBL is required.

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

From: Lucero, Virgil S <vlucero@blm.gov>
Sent: Wednesday, June 5, 2024 12:22 PM

To: Randy Edgeington <redgeington@logosresourcesllc.com>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>

Cc: Ryan Haddow <rhaddow@logosresourcesllc.com>; Randall Reinhardt <rreinhardt@logosresourcesllc.com>; Vanessa Fields <vfields@logosresourcesllc.com>

Subject: Re: [EXTERNAL] LOGOS

The FFO BLM approves the new setting, okay to pump cement.

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

From: Randy Edgeington <redgeington@logosresourcesllc.com>

Sent: Wednesday, June 5, 2024 11:51 AM

To: Kuehling, Monica, EMNRD <monica.kuehling@state.nm.us>; Lucero, Virgil S <vlucero@blm.gov>

Cc: Ryan Haddow <rhaddow@logosresourcesllc.com>; Randall Reinhardt <rreinhardt@logosresourcesllc.com>; Vanessa Fields <vfields@logosresourcesllc.com>

Subject: [EXTERNAL] LOGOS

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

Good Afternoon,

Please see attachments, I'll call shortly to discuss.

Thanks

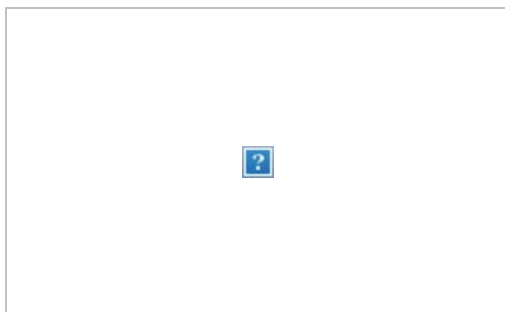
RANDY EDGEINGTON

Drilling Superintendent

LOGOS ENERGY

Cell:307-840-1091

redgeington@logosresourcesllc.com



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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 366086

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 366086
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	None	8/21/2024