

Form 3160-5  
(June 2019)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021**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.  
NMSF078764  
6. If Indian, Allottee or Tribe Name**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No. NMNM078407E
2. Name of Operator LOGOS OPERATING LLC		8. Well Name and No. ROSA UNIT 665H
3a. Address 2010 AFTON PLACE FARMINGTON, NM 87401	3b. Phone No. (include area code) (505) 278-8720	9. API Well No. 30-039-31358
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SEC 30 T31N R05W NESW (K) 2277 FSL 967 FWL		10. Field and Pool or Exploratory Area BASIN MANCOS
		11. Country or Parish, State RIO ARRIBA COUNTY, NM

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

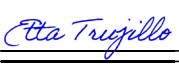
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> 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	Intermediate cement remedial plan	
	<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 one 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.)

Logos Operating LLC request approval to move forward with the following remedial cement operations plan below:

- Recommended to shoot squeeze hole at ~3100' (above collar at 3110')
- Mix and pump remedial cement with 15% excess to circulate cement from perforated depth @ ~3100' to surface.

See attached information.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Etta Trujillo		Title Regulatory Specialist
Signature 		Date 6/28/2022

**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)

## Rosa Unit 665H Current Well Information:

13-3/8" surface casing set at 324' MD

9-5/8" intermediate casing set at 6,415' MD

Ojo Alamo at 2577' MD

Kirtland at 2692' MD

Pictured Cliffs at 3512' MD

Mancos top at 6,332' MD

Mesaverde (Chacra) top at 4,716' MD

Fruitland Coal top at 3,162' MD (CBL depth ~ 3159' due to cable stretch)

Lower DV tool at 4,779' MD

Upper DV tool at 3,235' MD

Cement summaries for 1<sup>st</sup> and 2<sup>nd</sup> stage jobs completed on 05/17/2022 and 05/18/2022 are included below. The 3<sup>rd</sup> stage cement job was not pumped due to the DV tool located at 3,235' MD not opening.

1<sup>st</sup> Stage Summary

1. Drilled out float collar and perforated casing at 6,402' MD per approved sundry with BLM and OCD
2. Established circulation through perforations
3. Mixed and pumped 20 bbls of spacer, 57.4 bbls of 12.0 ppg lead, and 74 bbls of 15.8 ppg tail
4. Displaced with 115 bbls of freshwater and 357 bbls of mud for a total of 472 bbls
5. Shut down pumps, trapped 212 psi on casing for 4 hours, and wait on cement
6. Dropped opening bomb, opened DV tool at 4,779' MD, and circulated 14 bbls of cement to surface

2<sup>nd</sup> Stage Summary

1. Circulated through DV tool at 4,779' MD while waiting on 1<sup>st</sup> stage cement to setup
2. Mixed and pumped 25 bbls of spacer, 85.2 bbls of 12.0 ppg lead, and 90.2 bbls of 13.2 ppg tail
3. Displaced with 130 bbls of freshwater and 226 bbls of mud for a total of 356 bbls
4. Bumped plug and dropped opening cone for DV tool at 3,235' MD
5. Cycled pressure up to 2,500 psi multiple times to open DV tool with no success. TIH with drillpipe and attempted to mechanically open DV tool with no success.
6. Ran a CBL on the 9-5/8" intermediate casing on 6/27/2022
7. TOC was determined to be ~3122'

Logos Operating LLC request approval to move forward with the following remedial cement operations plan below:

- Recommended to shoot squeeze hole at ~3100' (above collar at 3110')
- Mix and pump remedial cement with 15% excess to circulate cement from perforated depth @ ~3100' to surface.

Well Name: ROSA UT	Well Location: T31N / R5W / SEC 3 / NESW / 36.869522 / -107.404458	County or Parish/State: RIO ARRIBA / NM
Well Number: 665H	Type of Well: COALBED NATURAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078764	Unit or CA Name: ROSA UNIT- MANCOS PA	Unit or CA Number: NMNM78407E
US Well Number: 300393135800X1	Well Status: Drilling Well	Operator: LOGOS OPERATING LLC

Notice of Intent

Sundry ID: 2679308

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 06/28/2022	Time Sundry Submitted: 09:05
Date proposed operation will begin: 06/28/2022	

**Procedure Description:** Logos Operating LLC request approval to move forward with the following remedial cement operations plan below: • Recommended to shoot squeeze hole at ~3100' (above collar at 3110') • Mix and pump remedial cement with 15% excess to circulate cement from perforated depth @ ~3100' to surface. See attached information.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

3160\_5\_Rosa\_Unit\_665H\_INT\_Cement\_Remedial\_Plan\_20220628\_20220628090433.pdf

Well Name: ROSA UT	Well Location: T31N / R5W / SEC 3 / NESW / 36.869522 / -107.404458	County or Parish/State: RIO ARRIBA / NM
Well Number: 665H	Type of Well: COALBED NATURAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078764	Unit or CA Name: ROSA UNIT- MANCOS PA	Unit or CA Number: NMNM78407E
US Well Number: 300393135800X1	Well Status: Drilling 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: JUN 28, 2022 09:04 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: 06/28/2022
Signature: Kenneth Rennick	

**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**

COMMENTS

Action 121091

COMMENTS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 121091
	Action Type: [C-103] NOI General Sundry (C-103X)

COMMENTS

Created By	Comment	Comment Date
jagarcia	Accepted, John Garcia, Petroleum Engineer	9/19/2022

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CONDITIONS

Action 121091

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Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 121091
	Action Type: [C-103] NOI General Sundry (C-103X)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	9/19/2022