

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 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	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Intermediate Casing	
<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 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.)

5/7/2022 - Walked rig from RU 658H. NU BOP. PT csg to 1500psi for 30mins. Test good. Tag cmt @ 296'. Drill f/296' to 448'.

5/8-10/2022 - Drill 12.25" intermediate hole @ f/445' t/4,961'. PU t/3,250', spot 50bbbls of LCM, broke circulation &amp; ream out of hole f/2,698' t/837'. TOOH.

5/11/2022 - TIH t/3,325', wash &amp; ream f/3,325' t/4,964'. Drill 12.25" hole f/4,964' t/5,301'. Circ. TOOH. TIH, wash &amp; ream f/4,975' t/5,175'.

5/12-13/2022 - Wash &amp; ream f/5,175' t/5,301'. Drill 12.25" hole f/5,301' t/5,988'. Lost rets, circ &amp; condition hole. TOOH lay down directional BHA.

5/14/2022 - Cont drilling f/5,988' t/6,430' (TD). Circulate &amp; condition. PU, spot LCM @ 5,253'. TOOH.

5/15/2022 - TIH w/153jts 9-5/8" N-80 43.5# csg landed @ 6415' w/FC @ 6329'. DV tools @ 4779' &amp; 3235'.

5/16/2022 - Attempt to break circulation. RD csg crew. PU 4-3/4" bit, DO float collar &amp; CO to csg shoe @ 6415'. TOOH. Received verbal approval from Virgil Lucero (BLM) and Gilbert Cordero (NMOCD) to perf 9-5/8 csg @ 6402'.

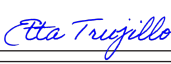
5/17/2022 - RU WL. shot .41" holes @ 6402'. Pumped through perfs. Pump down csg 50sks. Stage1 CMT lead w/141sxs (57.6bbbls, 324cf) Class G cmt. @ 12.0ppg, 2.30yld, Tail w/362sxs (74bbbls, 416cf) Class G cmt @ 15.6ppg, 1.15yld, 20bbbls spacer. Drop plug, displaced w/472bbbls water&amp;mud. Circ 14bbbls to surface. WOC.

5/18/2022 - Stage2 CMT lead w/208sxs (85.2bbbls, 478cf) Class G cmt @ 12.0ppg, 2.30yld. Tail w/293sxs (90.2bbbls, 507cf) Class G cmt @ 13.2ppg, 1.73yld, 25bbbls spacer. Drop plug, displaced w/356bbbls water&amp;mud. Bumped plug @ 03:19hr. DV tool would not open. RD cmt. RR. Walk rig to RU 658H.

6/25-26/2022 - Walk rig from RU 664H. NU BOP. Drill out DV tools. Wash &amp; ream cmt f/6223' t/6316'. TOOH. ND BOP. RR.

6/27/2022 - Run CBL. TOC @ 3122'. PT 1500psi/30mins. Test good. Received approval from Kenny Rennick (BLM) and Monica Kueling (NMOCD) to perf @ 3100'. RU WL. TIH &amp; shot 4 - 41" holes @ 3100'. RD WL. RU WH to circ. Wait on cmt crew.

6/29/2022 - Stage3 CMT lead w/918sxs (376bbbls, 2111cf) Class G cmt @ 12.0ppg, 2.30yld. Tail w/252sxs (77.6bbbls, 436cf) Class G cmt @ 13.2ppg, 1.73yld, 60bbbls spacer. Displaced w/205bbbls. Close DV tool. Circ 150bbbls of cmt to surface. Bumped plug @ 10:15. RD cmt crew.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Etta Trujillo		Title Regulatory Specialist
Signature 		Date 7/28/2022

**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)

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

Subsequent Report

Sundry ID: 2684906

Type of Submission: Subsequent Report

Date Sundry Submitted: 08/01/2022

Date Operation Actually Began: 05/07/2022

Type of Action: Other

Time Sundry Submitted: 10:18

**Actual Procedure:** 5/7/2022 - Walked rig from RU 658H. NU BOP. PT csg to 1500psi for 30mins. Test good. Tag cmt @ 296'. Drill f/296' to 448'. 5/8-10/2022 - Drill 12.25" intermediate hole @ f/445' t/4,961'. PU t/3,250', spot 50bbls of LCM, broke circulation & ream out of hole f/2,698' t/837'. TOOH. 5/11/2022 - TIH t/3,325', wash & ream f/3,325' t/4,964'. Drill 12.25" hole f/4,964' t/5,301'. Circ. TOOH. TIH, wash & ream f/4,975' t/5,175'. 5/12-13/2022 - Wash & ream f/5,175' t/5,301'. Drill 12.25" hole f/5,301' t/5,988'. Lost rets, circ & condition hole. TOOH lay down directional BHA. 5/14/2022 - Cont drilling f/5,988' t/6,430' (TD). Circulate & condition. PU, spot LCM @ 5,253'. TOOH. 5/15/2022 - TIH w/153jts 9-5/8" N-80 43.5# csg landed @ 6415' w/FC @ 6329'. DV tools @ 4779' & 3235'. 5/16/2022 - Attempt to break circulation. RD csg crew. PU 4-3/4" bit, DO float collar & CO to csg shoe @ 6415'. TOOH. Received verbal approval from Virgil Lucero (BLM) and Gilbert Cordero (NMOCD) to perf 9-5/8 csg @ 6402'. 5/17/2022 - RU WL. shot .41" holes @ 6402'. Pumped through perfs. Pump down csg 50sk. Stage1 CMT lead w/141sxs (57.6bbls, 324cf) Class G cmt. @ 12.0ppg, 2.30yld, Tail w/362sxs (74bbls, 416cf) Class G cmt @ 15.6ppg, 1.15yld, 20bbls spacer. Drop plug, displaced w/472bbls water&mud. Circ 14bbls to surface. WOC. 5/18/2022 - Stage2 CMT lead w/208sxs (85.2bbls, 478cf) Class G cmt @ 12.0ppg, 2.30yld. Tail w/293sxs (90.2bbls, 507cf) Class G cmt @ 13.2ppg, 1.73yld, 25bbls spacer. Drop plug, displaced w/356bbls water&mud. Bumped plug @ 03:19hr. DV tool would not open. RD cmt. RR. Walk rig to RU 658H. 6/25-26/2022 - Walk rig from RU 664H. NU BOP. Drill out DV tools. Wash & ream cmt f/6223' t/6316'. TOOH. ND BOP. RR. 6/27/2022 - Run CBL. TOC @ 3122'. PT 1500psi/30mins. Test good. Received approval from Kenny Rennnick (BLM) and Monica Kueling (NMOCD) to perf @ 3100'. RU WL. TIH & shot 4 - 41" holes @ 3100'. RD WL. RU WH to circ. Wait on cmt crew. 6/29/2022 - Stage3 CMT lead w/918sxs (376bbls, 2111cf) Class G cmt @ 12.0ppg, 2.30yld. Tail w/252sxs (77.6bbls, 436cf) Class G cmt @ 13.2ppg, 1.73yld, 60bbls spacer. Displaced w/205bbls. Close DV tool. Circ 150bbls of cmt to surface. Bumped plug @ 10:15. RD

Received by OCD: 8/1/2022 12:17:10 PM

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

cmt crew.

SR Attachments

Actual Procedure

3160\_5\_Rosa\_Unit\_665H\_INT\_20220518\_20220801101806.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: AUG 01, 2022 10:18 AM

Name: LOGOS OPERATING LLC

Title: Regulatory Specialist

Street Address: 2010 AFTON PLACE

City: FarmingtonState: 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: Accepted

Disposition Date: 08/01/2022

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 130120

## COMMENTS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 130120
	Action Type: [C-103] Sub. Drilling (C-103N)

## COMMENTS

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

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
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Phone:(575) 748-1283 Fax:(575) 748-9720  
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**District IV**  
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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 130120

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Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 130120
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

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