

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

☐ Oil Well ☒ Gas Well ☐ Other

## 2. Name of Operator

LOGOS OPERATING, LLC

3a. Address 2010 AFTON PLACE  
FARMINGTON, NM 874013b. Phone No. (include area code)  
(505) 278-8720

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEC 19 T31N R05W NENW UNIT C 943 FNL 424 FWL

7. If Unit of CA/Agreement, Name and/or No.  
NMNM78407E8. Well Name and No.  
ROSA UNIT 645H9. API Well No.  
30-039-3141510. Field and Pool or Exploratory Area  
BASIN MANCOS11. 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 Well	
	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> 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 - Intermediate	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	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 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.)

8/1-7/22 - Move rig from Pad 30 to Pad 27. RU. NU &amp; test BOP &amp; surface csg (1500psi/34mins). Test good.

8/8-9/22 - Drill 12.25" intermediate hole f/325' t/5089'. Circ. POOH to 4137'.

8/11/22 - TOO. RIH reaming as necessary. Drill 12.25" hole f/5089' t/5101'.

8/12/22 - Cont drilling f/5101' t/5759'. Loss circ @ 5746'. POOH, spot 100bbls, 20-25 ppb lcm pill f/4999' t/4311'.

8/13-14/22 - Cont drilling f/5759' to TD @ 6285'. Circ. POOH t/1768'. TOO &amp; LD directional tools &amp; bit. RU csg crew. RIH w/139jts 9-5/8" L-80 47.0# csg landed @ 6132' w/FC @ 6085'. DV tools @ 4540' &amp; 2985', could not circulate after multiple attempts. RD csg crew. Received verbal approval from Brandon Powell (NMOCD) &amp; Virgil Lucero (BLM) to proceed with cementing operations.

8/15/22 - RU WL. RIH &amp; perf @ 6033' (4spf w/.41 dia). TOO. Establish circ @ 6033'. Stage1 cmt lead w/178sxs(73bbls, 409cf) @ 12.0ppg, 2.30yld, and Tail w/755sxs(175bbls, 868cf) @ 15.8ppg, 1.15yld. Drop plug, displace w/424bbls FW &amp; mud. Open tool. Circ no cmt to surface. Stage2 cmt lead w/255sxs(104bbls, 587cf) @ 12.0ppg, 2.30yld, and Tail w/307sxs(95bbls, 531cf) @ 13.2ppg, 1.73yld. Drop plug, displace w/386bbls water &amp; mud. Open tool. Circ 386bbls dye spacer. Bump plug @ 19:00. RD cmt crew. ND BOP. Walked rig to RU 647H. RR.

8/16/22 - Stage 3 - mix &amp; pump CMT lead w/940sxs(385bbls, 2162cf) @ 12.0ppg, 2.30yld, and Tail w/282sxs(87bbls, 488cf) @ 13.2ppg, 1.73yld. Drop plug, displace w/218bbls fw &amp; mud. Bump plug @ 6:00hr. Close DV tool. Circ 8bbls to surface.

**Pressure test and TOC will be included in the production casing sundry.**

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

Etta Trujillo

Title Regulatory Specialist

Signature



Date 09/22/2022

**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 UNIT	Well Location: T31N / R5W / SEC 19 / NENW / 36.889712 / -107.406179	County or Parish/State: RIO ARRIBA / NM
Well Number: 645H	Type of Well: CONVENTIONAL 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: 300393141500X1	Well Status: Temporarily Abandoned	Operator: LOGOS OPERATING LLC

Subsequent Report

Sundry ID: 2694507

Type of Submission: Subsequent Report

Date Sundry Submitted: 09/25/2022

Date Operation Actually Began: 08/01/2022

Type of Action: Other

Time Sundry Submitted: 12:52

**Actual Procedure:** 8/1-7/22 - Move rig from Pad 30 to Pad 27. RU. NU & test BOP & surface csg (1500psi/34mins). Test good. 8/8-9/22 - Drill 12.25" intermediate hole f/325' t/5089'. Circ. POOH to 4137'. 8/11/22 - TOOH. RIH reaming as necessary. Drill 12.25" hole f/5089' t/5101'. 8/12/22 - Cont drilling f/5101' t/5759'. Loss circ @ 5746'. POOH, spot 100bbls, 20-25 ppb lcm pill f/4999' t/4311'. 8/13-14/22 - Cont drilling f/5759' to TD @ 6285'. Circ. POOH t/1768'. TOOH & LD directional tools & bit. RU csg crew. RIH w/139jts 9-5/8" L-80 47.0# csg landed @ 6132' w/FC @ 6085'. DV tools @ 4540' & 2985', could not circulate after multiple attempts. RD csg crew. Received verbal approval from Brandon Powell (NMOCD) & Virgil Lucero (BLM) to proceed with cementing operations. 8/15/22 - RU WL. RIH & perf @ 6033' (4spf w/.41 dia). TOOH. Establish circ @ 6033'. Stage1 cmt lead w/178sxs(73bbls, 409cf) @ 12.0ppg, 2.30yld, and Tail w/755sxs(175bbls, 868cf) @ 15.8ppg, 1.15yld. Drop plug, displace w/424bbls FW & mud. Open tool. Circ no cmt to surface. Stage2 cmt lead w/255sxs(104bbls, 587cf) @ 12.0ppg, 2.30yld, and Tail w/307sxs(95bbls, 531cf) @ 13.2ppg, 1.73yld. Drop plug, displace w/386bbls water & mud. Open tool. Circ 386bbls dye spacer. Bump plug @ 19:00. RD cmt crew. ND BOP. Walked rig to RU 647H. RR. 8/16/22 - Stage 3 - mix & pump CMT lead w/940sxs(385bbls, 2162cf) @ 12.0ppg, 2.30yld, and Tail w/282sxs(87bbls, 488cf) @ 13.2ppg, 1.73yld. Drop plug, displace w/218bbls fw & mud. Bump plug @ 6:00hr. Close DV tool. Circ 8bbls to surface. Pressure test and TOC will be included in the production casing sundry.

Received by OCD: 9/28/2022 4:04:15 PM

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US Well Number: 300393141500X1	Well Status: Temporarily Abandoned	Operator: LOGOS OPERATING LLC

SR Attachments

Actual Procedure

3160\_5\_Rosa\_Unit\_645H\_INT\_Subsequent\_Report\_20220829\_Amended\_20220925125217.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: SEP 25, 2022 12:52 PM

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: 09/28/2022

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**

CONDITIONS

Action 147094

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 147094
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	PT, CBL results must be included on production sundry	10/27/2022
jagarcia	CBL must be submitted to OCD	10/27/2022