

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.  
NMSF078888  
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 87401

3b. Phone No. (include area code)

505-787-2218

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

Sec 10 T31 R4W SWNE 1528' FNL &amp; 2195' FEL

36.917137 N Lat, -107.240783 W Lon

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

NMNM78407E

8. Well Name and No.

Rosa Unit 880H

9. API Well No.

30-039-31361

10. Field and Pool or Exploratory Area

Basin Mancos

11. Country or Parish, State

Rio Arriba

## 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"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input checked="" 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 detennined that the site is ready for final inspection.)

LOGOS Operating, LLC request a change in plans for the surface hole to a 17.5" hole size with a total depth of 320' or greater, with 13-3/8", 54.5# and J-55 STC or BTC casing.

Surface cement of ~320sx (~377cuft) of 15.8ppg Type I-II (Neat G) @~1.174cuft yield w/ 2% Calcium Chloride, 0.125lbm/sk Poly-e-Flake. Cement of calculated using 320' casing and volume +60% excess. WOC 8hrs. Test csg 600psi. Total Volume: (~377cuft/~320sx). TOC at surface.

Drilling Plans will be submitted at a later date for the Intermediate and Production string.

NOTE: Weights, grades and connections will be based on availability and may vary but will be equivalent or greater. Cement calculations are used for volume estimation. Well conditions will dictate final cement job design. Actual volumes will be calculated and determined by conditions onsite. All cement slurries will meet or exceed minimum BLM and New Mexico Oil Conservation Division requirements. Slurries used will be the slurries listed above or equivalent slurries depending on service provider selected. Cement yields may change depending on slurries selected. All waiting on cement times shall be a minimum of 8 hours or adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

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

Marie E. Florez

Title

Regulatory Specialist

Signature

Marie E. Florez

Date

1/26/2021

**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 / R4W / SEC 10 / SWNE / 36.917137 / 107.240783	County or Parish/State: RIO ARRIBA / NM
Well Number: 880H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078888	Unit or CA Name: ROSA UNIT-MANCOS PA	Unit or CA Number: NMNM78407E
US Well Number: 3003931361	Well Status: Approved Application for Permit to Drill	Operator: LOGOS OPERATING LLC

Notice of Intent

Type of Submission: Notice of Intent	Type of Action Other
Date Sundry Submitted: 02/03/2021	Time Sundry Submitted: 02:45
Date proposed operation will begin: 02/04/2021	

**Procedure Description:** AFMSS II did not allow to submit under APD Change. LOGOS Operating, LLC request a change in plans for the surface hole to a 17.5" hole size with a total depth of 320' or greater, with 13-3/8", 54.5# and J-55 STC or BTC casing. Surface cement of ~320sx (~377cuft) of 15.8ppg Type I-II (Neat G) @~1.174cuft yield w/ 2% Calcium Chloride, 0.125lbm/sk Poly-e-Flake. Cement of calculated using 320' casing and volume +60% excess. WOC 8hrs. Test csg 600psi. Total Volume: (~377cuft/~320sx). TOC at surface. Drilling Plans will be submitted at a later date for the Intermediate and Production string. NOTE: Weights, grades and connections will be based on availability and may vary but will be equivalent or greater. Cement calculations are used for volume estimation. Well conditions will dictate final cement job design. Actual volumes will be calculated and determined by conditions onsite. All cement slurries will meet or exceed minimum BLM and New Mexico Oil Conservation Division requirements. Slurries used will be the slurries listed above or equivalent slurries depending on service provider selected. Cement yields may change depending on slurries selected. All waiting on cement times shall be a minimum of 8 hours or adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

3160\_5\_Rosa\_Unit\_880H\_Change\_in\_Plans\_surface\_set\_only\_20210125\_20210126081632.pdf

<b>Well Name:</b> ROSA UNIT	<b>Well Location:</b> T31N / R4W / SEC 10 / SWNE / 36.917137 / 107.240783	<b>County or Parish/State:</b> RIO ARRIBA / NM
<b>Well Number:</b> 880H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMSF078888	<b>Unit or CA Name:</b> ROSA UNIT-MANCOS PA	<b>Unit or CA Number:</b> NMNM78407E
<b>US Well Number:</b> 3003931361	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> LOGOS OPERATING LLC

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

**Operator Electronic Signature:** FLOREZ

**Signed on:** FEB 03, 2021 02:44 PM

**Name:** LOGOS OPERATING LLC

**Title:** Regulatory Specialist

**Street Address:** 2010 Afton Place

**City:** Farmington

**State:** NM

**Phone:** (505) 324-4145

**Email address:** MFLOREZ@LOGOSRESOURCESLLC.COM

Field Representative

**Representative Name:**

**Street Address:**

**City:**

**State:**

**Zip:**

**Phone:**

**Email address:**

BLM Point of Contact

**BLM POC Name:** JOE D KILLINS

**BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 5055647731

**BLM POC Email Address:** jkillins@blm.gov

**Disposition:** Approved

**Disposition Date:** 03/25/2021

**Signature:** Joe Killins

**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 22624

**COMMENTS**

Operator:				OGRID:		Action Number:		Action Type:	
	LOGOS OPERATING, LLC	2010 Afton Place	Farmington, NM87401		289408		22624		C-103A

Created By	Comment	Comment Date
kpickford	KP GEO Review 4/5/2021	04/05/2021

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 22624

**CONDITIONS OF APPROVAL**

Operator: LOGOS OPERATING, LLC      2010 Afton Place      Farmington, NM87401			OGRID: 289408	Action Number: 22624	Action Type: C-103A
OCD Reviewer	Condition				
kpickford	Adhere to previous NMOCD Conditions of Approval				