

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM 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.  
NMSF078768

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. NMMN78407E
2. Name of Operator LOGOS Operating, LLC		8. Well Name and No. Rosa Unit 830H
3a. Address 2010 Afton Place, Farmington NM 87401	3b. Phone No. (include area code) 505-787-2218	9. API Well No. 30-039-31363
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 36 T31N R5W NWNW 525'FNL & 492' FWL 36.861925 N Lat, -107.320894 W Lon		10. Field and Pool or Exploratory Area Basin Mancos
		11. Country or Parish, State Rio Arriba, 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 type="checkbox"/> Other	
	<input checked="" 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.)

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 <i>Marie E. Florez</i>	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)

<b>Well Name:</b> ROSA UNIT	<b>Well Location:</b> T31N / R5W / SEC 36 / NWNW / 36.861925 / -107.320894	<b>County or Parish/State:</b> RIO ARRIBA / NM
<b>Well Number:</b> 830H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMSF0078768, NMSF078768	<b>Unit or CA Name:</b> ROSA UNIT-MANCOS PA	<b>Unit or CA Number:</b> NMNM78407E
<b>US Well Number:</b> 3003931363	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> LOGOS OPERATING LLC

**Notice of Intent**

**Type of Submission:** Notice of Intent

**Type of Action:** Other

**Date Sundry Submitted:** 01/29/2021

**Time Sundry Submitted:** 04:16

**Date proposed operation will begin:** 02/01/2021

**Procedure Description:** 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\_830H\_Change\_in\_plan\_surface\_set\_only\_20210126\_20210129161547.pdf

**Well Name:** ROSA UNIT

**Well Location:** T31N / R5W / SEC 36 / NWNW / 36.861925 / -107.320894

**County or Parish/State:** RIO ARRIBA / NM

**Well Number:** 830H

**Type of Well:** CONVENTIONAL GAS WELL

**Allottee or Tribe Name:**

**Lease Number:** NMSF0078768, NMSF078768

**Unit or CA Name:** ROSA UNIT-MANCOS PA

**Unit or CA Number:** NMNM78407E

**US Well Number:** 3003931363

**Well Status:** Approved Application for Permit to Drill

**Operator:** 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:** JAN 29, 2021 04:15 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 22627

**COMMENTS**

Operator:		OGRID:	Action Number:	Action Type:
LOGOS OPERATING, LLC	2010 Afton Place Farmington, NM87401	289408	22627	C-103A

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

**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 22627

**CONDITIONS OF APPROVAL**

Operator:			OGRID:	Action Number:	Action Type:
LOGOS OPERATING, LLC	2010 Afton Place	Farmington, NM87401	289408	22627	C-103A

OCD Reviewer	Condition
kpickford	Adhere to previous NMOCD Conditions of Approval