

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.
NMSF078769

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. NMNM78407E
2. Name of Operator LOGOS OPERATING, LLC		8. Well Name and No. ROSA UNIT 656H
3a. Address 2010 AFTON PLACE FARMINGTON, NM 87401	3b. Phone No. (include area code) (505) 278-8720	9. API Well No. 30-039-31383
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) 1068 FNL 289 FEL, NE/NE UNIT A SEC 25 T31N R06W		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 Well	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> 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 - Completion	
	<input 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 recomplete 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.)

8/1/21 - Test 5-1/2" prod csg to 1550psi/30mins. Good test.
 8/2/21 - RU equipment & WL. PT lines to 10,500psi. Good Test. Open sleeve toe w/8805psi. SIW.
 8/3/21 - NU & PT frac stack to 10,000psi. Good test. Run CBL. TOC @ 6928'.
 8/4/21 - PT frac stack to 500psi-low/12,000psi-high. Good test. **Received verbal approval from Dave M (BLM) & Monica K (NMOCD) to proceed without 150' of cement overlap between intermediate casing shoe and the 5-1/2" production casing, no remediation. TOC @ 6928'. LOGOS will need to follow-up with a 90 day & 1yr Bradenhead test.**
 8/5/21 - 8/26/21 Frac thru sleeves @ 18,088' - 18,036' MD. Set CFP @ 18021'. Perf'd w/6SPF. 0.35"DIA. @ 18,005' to 7,300' w/a total of 2,496 holes. Frac'd 53 stages of 24,703,570# 40/70 AZ Sand/100# Mesh. 626,577bbbls fluid. Set kill plug @ 7,260'. SIW. RD Liberty Frac. RD frac equip. ND frac valves.
 8/30/2021 MIRU. NU & function test BOP, 500psi-low/8500psi-high. Good test. DO kill plug @ 7,260'. Circulate, CO & continue to DO CFP plugs.
 8/31 - 9/3/2021 Continue to Circ, CO & finished DO of all plugs. Request extension to land production tubing per sundry attached.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Etta Trujillo	Title Regulatory Specialist
Signature 	Date 09/20/2021

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 / R6W / SEC 25 / NENE / 36.874926 / -107.408775	County or Parish/State: RIO ARRIBA / NM
Well Number: 656H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078769	Unit or CA Name: ROSA UNIT-MANCOS PA	Unit or CA Number: NMNM78407E
US Well Number: 3003931383	Well Status: Location	Operator: LOGOS OPERATING LLC

Notice of Intent

Sundry ID: 2633062

Type of Submission: Notice of Intent

Type of Action: Exception

Date Sundry Submitted: 09/07/2021

Time Sundry Submitted: 05:22

Date proposed operation will begin: 09/07/2021

Procedure Description: Per the approved operations plan included with the APD package, LOGOS requests an exception to running tubing in the Rosa Unit 656H until such time as it is operationally necessary to do so. The Rosa Unit 656H/654H are expected to exceed the flow rates of any wells within the Rosa Unit, and data collection at this time is critical to understanding the potential flow rates and pressures for all of the future development in the unit. Further, the high pressure currently being experienced in the well make it unsafe to install tubing until a later date. Offset pressure measurements are being recorded during this time, to aide in the analysis of the performance. It would be highly detrimental to the reservoir to shut in the wells at this time, especially for the purpose of installing tubing when the flow rates currently do not require that tubing be utilized. LOGOS will monitor the gas and water flow rates and will run tubing in the wells when the well begins to show signs of liquid loading in the wellbore. With the current model, LOGOS predicts that tubing will be necessary in the wellbore approximately in September 2022. Understanding the gas rates and water rates at which the well begins to load up is essential data to for building the model which will help LOGOS design facilities and wellbores for future wells. This data will also help LOGOS understand if artificial lift will be necessary at some point in the future.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

3160_5_Rosa_Unit_656H_Tubing_extension_20210907_20210907172219.pdf

Well Name: ROSA UNIT

Well Location: T31N / R6W / SEC 25 / NENE / 36.874926 / -107.408775

County or Parish/State: RIO ARRIBA / NM

Well Number: 656H

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF078769

Unit or CA Name: ROSA UNIT-MANCOS PA

Unit or CA Number: NMNM78407E

US Well Number: 3003931383

Well Status: Location

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: MARIE FLOREZ

Signed on: SEP 07, 2021 05:22 PM

Name: LOGOS OPERATING LLC

Title: Regulatory Specialist

Street Address: 2010 Afton Place

City: Farmington

State: NM

Phone: (505) 419-8420

Email address: MFLOREZ@LOGOSRESOURCESLLC.COM

Field Representative

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: 9708783846

BLM POC Email Address: krennick@blm.gov

Disposition: Approved

Disposition Date: 09/10/2021

Signature: Kenneth Rennick

From: blm-afmss-notifications@blm.gov
To: [Etta Trujillo](#)
Subject: Well Name: ROSA UNIT, Well Number: 656H, Notification of Well Completion Acceptance
Date: Wednesday, November 10, 2021 2:49:51 PM

The Bureau of Land Management

Notice of Acceptance for Well Completion Report

- Operator Name: **LOGOS OPERATING LLC**
- Well Name: **ROSA UNIT**
- Well Number: **656H**
- US Well Number: **3003931383**
- Well Completion Report Id: **WCR2021111081253**

This notification is automatically generated. Please do not reply to this message as this account is not monitored.

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 61483

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 61483
	Action Type: [C-103] Sub. (Re)Completion Sundry (C-103T)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	11/16/2021