

Form 3160-5  
(June 2019)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED OMB  
No. 1004-0137 Expires:  
December 31, 2024**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) 278-87207. If Unit of CA/Agreement, Name and/or No.  
NMNM78407E8. Well Name and No.  
ROSA UNIT 646H

9. API Well No. 30-039-31323

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

SEC 19 T31N R5W NENW (C) 950' FNL 453' FWL

10. 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	
<input checked="" 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 type="checkbox"/> Change Plans	<input checked="" 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 recompleate 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 recompleation 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.)

9/7/2023 - MIRU. Run 1-1/2" poly pipe to 317'. Plug #1 - 139sxs Class G cmt at 15.8ppg & 1.15 ft3/sxs, 5gal water/sxs cmt. 1.5bmp 180psi. Good cement to surface. Pull poly pipe. Wash up. RD RR. Cut off wellhead and installed P&A marker. Witnessed by BLM. Move to next pad.

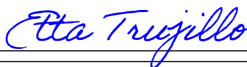
Received BLM & NMOCD approval for buried P&A marker. See attached email chain.

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

Etta Trujillo

Title Regulatory Specialist

Signature



Date 11/1/2023

**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

(Instructions on page 2)

<b>Well Name:</b> ROSA UNIT	<b>Well Location:</b> T31N / R5W / SEC 19 / NENW / 36.889715 / -107.405626	<b>County or Parish/State:</b> RIO ARRIBA / NM
<b>Well Number:</b> 646H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMSF078764	<b>Unit or CA Name:</b> ROSA UNIT	<b>Unit or CA Number:</b> NMNM78407E
<b>US Well Number:</b> 3003931323	<b>Well Status:</b> Abandoned	<b>Operator:</b> LOGOS OPERATING LLC

### Subsequent Report

**Sundry ID:** 2759034

**Type of Submission:** Subsequent Report

**Type of Action:** Plug and Abandonment

**Date Sundry Submitted:** 11/01/2023

**Time Sundry Submitted:** 09:34

**Date Operation Actually Began:** 09/07/2023

**Actual Procedure:** 9/7/2023 - MIRU. Run 1-1/2" poly pipe to 317'. Plug #1 - 139sxs Class G cmt at 15.8ppg & 1.15 ft3/sxs, 5gal water/sxs cmt, 1.5bmp 180psi. Good cement to surface, Pull poly pipe, Wash up, RD RR, Cut off wellhead and installed P&A marker. Witnessed by BLM. Move to next pad. Received BLM & NMOCD approval for buried P&A marker. See attached email chain.

### SR Attachments

#### Actual Procedure

3160\_5\_Rosa\_Unit\_646H\_P\_A\_Subsequent\_Report\_20230907\_Amended\_20231101093329.pdf

Well Name: ROSA UNIT

Well Location: T31N / R5W / SEC 19 /  
NENW / 36.889715 / -107.405626County or Parish/State: RIO  
ARRIBA / NM

Well Number: 646H

Type of Well: CONVENTIONAL GAS  
WELL

Allottee or Tribe Name:

Lease Number: NMSF078764

Unit or CA Name: ROSA UNIT

Unit or CA Number:  
NMNM78407E

US Well Number: 3003931323

Well Status: Abandoned

Operator: LOGOS OPERATING  
LLC**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: NOV 01, 2023 09:34 AM

Name: LOGOS OPERATING LLC

Title: Regulatory Specialist

Street Address: 2010 AFTON PLACE

City: Farmington

State: 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: MATTHEW H KADE

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647736

BLM POC Email Address: MKADE@BLM.GOV

Disposition: Accepted

Disposition Date: 11/01/2023


Signature: Matthew Kade

**Wellbore Schematic**

Well Name: Rosa Unit 646H  
 Location: C Sec 19, T31N, R05W 950' FNL & 453' FWL  
 County: Rio Arriba, NM  
 API #: 30-039-31323  
 Co-ordinates: Lat 36.889721°N Long 107.406229°W (NAD 83)  
 Elevations: GROUND: 6305'  
 KB: NA  
 Depths (KB): PBTD: NA  
 TD: 322'

Prepared By: 8/11/2023 Moss  
 Reviewed By:  
 Last Updated: 9/13/2023 Haddow  
 Spud Date: 7/26/2015  
 Completion Date: NA  
 Last Workover Date: NA

**Current Wellbore Schematic**

All Depths KB		Hole Size	Surface Casing: (7/27/2015)
<b>Surface Casing</b> 9-5/8", 36#, J-55 11 jts at 317' 101 sx TOC at surface		12-1/4"	Drilled a 12-1/4" surface hole to 322'. Set 11 jts 9-5/8", 36#, J-55 casing at 317'.
		0'-322'	Cmt w/ 101 sx of Type I-II cmt (14.5ppg). Circ 10 bbls to surface.
			<b>Plug #1: (9/7/2023)</b>
			~139 sx Class G cmt at 15.8 ppg & 1.15 ft3/sx, 5 gal water/sx cmt.
317'	TOC at surface (circ)		

**P&A Report:**

Completed By: Randy Edgington

Date: 9/7/2023

9:30 Run 1-1/2" Poly to 317'  
 9:34 Start CMT (15.8ppg, 1.15dyeild, 5gal h20 per sxs)  
 9:40 1.5 bpm 180 psi  
 9:50 End 15.8# 139 sx  
 10:10 Pull poly pipe  
 10:25 Wash up  
 10:30 move to next pad







**From:** [Lucero, Virgil S](#)  
**To:** [Vanessa Fields](#); [Kuehling, Monica, EMNRD](#)  
**Cc:** [Randy Edgeington](#); [Robert Bixler](#); [Etta Trujillo](#); [Dacye Shull](#); [Ryan Haddow](#)  
**Subject:** Re: [EXTERNAL] Request Surface Plates for LOGOS P&A  
**Date:** Thursday, September 7, 2023 10:31:01 AM

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Thanks for the update, the BLM approves, no worries on the wrong email address.

Thank you,  
**Virgil Lucero**  
Supervisory Petroleum Engineering Technician  
6251 College Blvd, Suite A  
Farmington, NM 87402  
D - 505-564-7752  
C - 505-793-1836  
Email: [vlucero@blm.gov](mailto:vlucero@blm.gov)

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**From:** Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>  
**Sent:** Wednesday, September 6, 2023 4:55 PM  
**To:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Lucero, Virgil S <[vlucero@blm.gov](mailto:vlucero@blm.gov)>  
**Cc:** Randy Edgeington <[rdedgeington@logosresourcesllc.com](mailto:rdedgeington@logosresourcesllc.com)>; Robert Bixler <[rbixler@logosresourcesllc.com](mailto:rbixler@logosresourcesllc.com)>; Etta Trujillo <[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>; Dacye Shull <[dshull@logosresourcesllc.com](mailto:dshull@logosresourcesllc.com)>; Ryan Haddow <[rhaddow@logosresourcesllc.com](mailto:rhaddow@logosresourcesllc.com)>  
**Subject:** RE: [EXTERNAL] Request Surface Plates for LOGOS P&A

Thank you, Monica.

Have a good night.

Vanessa Fields  
Regulatory Manager  
Email: [vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)  
Office: 505-787-2218  
Cell: 505-320-1243



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**From:** Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>  
**Sent:** Wednesday, September 6, 2023 4:45 PM  
**To:** Vanessa Fields <vfields@logosresourcesllc.com>; Virgl Lucero (virgl\_lucero@blm.gov) <virgl\_lucero@blm.gov>  
**Cc:** Randy Edgeington <redgeington@logosresourcesllc.com>; Robert Bixler <rbixler@logosresourcesllc.com>; Etta Trujillo <etrujillo@logosresourcesllc.com>; Dacye Shull <dshull@logosresourcesllc.com>; Ryan Haddow <rhaddow@logosresourcesllc.com>  
**Subject:** RE: [EXTERNAL] Request Surface Plates for LOGOS P&A

Vanessa

NMOCD approval is given until November 15, 2023 for a below grade marker on the wells listed below with prior approval from the BLM.

Please notify all agencies when above grade markers are being placed.

Thank you

Monica Kuehling  
Compliance Officer Supervisor  
Deputy Oil and Gas Inspector  
New Mexico Oil Conservation Division  
North District  
Office Phone: 505-334-6178 ext. 123  
Cell Phone: 505-320-0243  
Email - [monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)

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**From:** Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>  
**Sent:** Wednesday, September 6, 2023 3:54 PM  
**To:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Virgl Lucero (virgl\_lucero@blm.gov) <[virgl\\_lucero@blm.gov](mailto:virgl_lucero@blm.gov)>  
**Cc:** Randy Edgeington <[redgeington@logosresourcesllc.com](mailto:redgeington@logosresourcesllc.com)>; Robert Bixler <[rbixler@logosresourcesllc.com](mailto:rbixler@logosresourcesllc.com)>; Etta Trujillo <[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>; Dacye Shull <[dshull@logosresourcesllc.com](mailto:dshull@logosresourcesllc.com)>; Ryan Haddow <[rhaddow@logosresourcesllc.com](mailto:rhaddow@logosresourcesllc.com)>  
**Subject:** RE: [EXTERNAL] Request Surface Plates for LOGOS P&A

Hi Moncia,

We should be done completing by November so we would be seeking an extension till November 15, 2023.

**30-039-31323 ROSA UNIT #646H**

Operator: LOGOS OPERATING, LLC

Rosa Unit # 646H

API# 30-039-31323

Lease # SF-078769

Surface Location: C-19-31N-05W

950 FNL 453 FWL

Lat/Long: 36.889712,-107.406229

Rio Arriba, NM

## 30-039-31326 ROSA UNIT #651H

Operator: LOGOS OPERATING, LLC

Rosa Unit# 651H

API# 30-039-31326

Lease # SF-078771

Surface Location: A-25-31N-06W

1038 FNL 324 FEL

Lat/Long: 36.875009,-107.40829 NAD83

Rio Arriba, NM

## 30-039-31325 ROSA UNIT #653H

Operator: LOGOS OPERATING, LLC

Rosa Unit #653H

API# 30-039-31325

Lease # SF-078771

Surface Location: A-25-31N-06W

1045 FNL 328 FEL

Lat/Long: 36.874988,-107.408909 NAD83

Rio Arriba, NM

## 30-039-31331 ROSA UNIT #655H

Operator: LOGOS OPERATING, LLC

Rosa Unit #655H

API# 30-039-31331

Lease # SF-078769

Surface Location: A-25-31N-06W

1015 FNL 380 FEL

Lat/Long: 36.875071,-107.409086 NAD83

Rio Arriba, NM



## 30-039-31329 ROSA UNIT #657H

Operator: LOGOS OPERATING, LLC

Rosa Unit #657H

API# 30-039-31329

Lease # SF-078769

1038 FNL 341 FEL

Surface Location: A-25-31N-06W

Lat/Long: 36.875009,-107.408953 NAD83

Rio Arriba, NM

Vanessa Fields

Regulatory Manager

Email: [vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)

Office: 505-787-2218

Cell: 505-320-1243



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**From:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>

**Sent:** Wednesday, September 6, 2023 2:21 PM

**To:** Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>; Virgl Lucero ([virgl\\_lucero@blm.gov](mailto:virgl_lucero@blm.gov)) <[virgl\\_lucero@blm.gov](mailto:virgl_lucero@blm.gov)>

**Cc:** Randy Edgeington <[redgeington@logosresourcesllc.com](mailto:redgeington@logosresourcesllc.com)>; Robert Bixler <[rbixler@logosresourcesllc.com](mailto:rbixler@logosresourcesllc.com)>; Etta Trujillo <[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>; Dacye Shull <[dshull@logosresourcesllc.com](mailto:dshull@logosresourcesllc.com)>

**Subject:** RE: [EXTERNAL] Request Surface Plates for LOGOS P&A

Vanessa

Please be more specific'

API #s need to be included in the request and a definite time for the placing of an

above ground marker needs to be noted. Indefinite is not approved.

We only permit a permanent below grade marker in an agricultural area. Rosa is not an agricultural area.

Thank you

Monica Kuehling  
Compliance Officer Supervisor  
Deputy Oil and Gas Inspector  
New Mexico Oil Conservation Division  
North District  
Office Phone: 505-334-6178 ext. 123  
Cell Phone: 505-320-0243  
Email - [monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)

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**From:** Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>  
**Sent:** Wednesday, September 6, 2023 2:12 PM  
**To:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Virgl Lucero (<[virgl\\_lucero@blm.gov](mailto:virgl_lucero@blm.gov)>) <[virgl\\_lucero@blm.gov](mailto:virgl_lucero@blm.gov)>  
**Cc:** Randy Edgeington <[redgeington@logosresourcesllc.com](mailto:redgeington@logosresourcesllc.com)>; Robert Bixler <[rbixler@logosresourcesllc.com](mailto:rbixler@logosresourcesllc.com)>; Etta Trujillo <[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>; Dacye Shull <[dshull@logosresourcesllc.com](mailto:dshull@logosresourcesllc.com)>  
**Subject:** [EXTERNAL] Request Surface Plates for LOGOS P&A

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon Monica,

LOGOS respectfully request to bury the P&A Marker plate 3' bgsd for the referenced surface set P&A's due to equipment restraints and safety issues on location.

LOGOS will submit a C-102 to the NMOCD for each location.

Rosa Unit 646H  
Rosa Unit# 651H  
Rosa Unit# 653H  
Rosa Unit # 655H  
Rosa Unit #657H

Thank you,

**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 281792

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 281792
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	Well plugged 9/7/2023 with condition above grade marker required to be set by January 31, 2024 - contact NMOCD when above grade marker placed.	12/26/2023