

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
 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) 278-8720

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)
SEC 19 T31N R05W NENW (C) 965 FNL 480 FWL

7. If Unit of CA/Agreement, Name and/or No.
NMNM78407E

8. Well Name and No.
ROSA UNIT 649H

9. API Well No.
30-039-31410

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 - Production
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Casing
	<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.)

9/13/22 - TIH to 4930', wash f/4935' t/6255', lost full rets & hole sluffed in @ 6255'. Work tight hole f/6261' t/6157'. Circ @ 6157'. TOOH.

9/14/22 - TIH to 6221', wash & ream f/6261' t/6272', hole sluffing in from shoe @ 6221' t/6255'. Drill new 8.5" hole f/6272' t/6300'. Circ. hole sluffed in, worked pipe free. POOH. PU curve BHA, TIH f/6225' t/6300', change water base to OBM.

9/15-17/22 - Wash & ream f/6225' t/6300'. Drill 8.5" curve f/6300' t/12,868'. Circ & condition, hole packed off, work pipe f/12,840' t/12,823'.

9/18/22 - Regain rets @ 12,825', circ & work pipe. TOOH. Spot 15.5ppg, kill mud 235bbl. TOF @ 6334'. TIH, wash & ream w/overshot to 6335'. Circ & condition. TOOH.

9/19-20/22 - Circulate. TOOH and lay down fishing tools. TIH t/6258' w/7-3/8" overshot. Circ. Jar on fish, rotate, pulled off fish, could not relatch. Circ mud. Spot 55bbls, 16.5ppg. POOH t/6330', lay down fishing tools. Wash over fish @ 6334' to 6373'. Circ. POOH & laydown wash pipe. TIH w/7-3/8" overshot, attempt to latch onto fish, push fish down to 6350'. POOH t/739'.

9/21/22 - TOOH, overshot had 35' of fish. New TOF @ 6373'. PU 8-1/8" oversht & 6.5" grapple, TIH t/6353'. Attempt to catch fish, TOOH w/overshot, unsuccessful. Lay down fishing tools. PU & TIH w/8.5" tri-cone bit, tag fish @ 6373' & dressed hole. TOOH.

9/22-24/22 - TIH w/overshot grapple t/6372', made several attempts to latch onto fish (failed). POOH. Lay down overshot. TIH t/2628'. Cont to fish (unsuccessful).
Received verbal approval from BLM (Virgil Lucero) & NMOCD (Monica Kuehling) to pump cement plug on top of fish @ 6373'. RU & RD WL, decision was made to pump cement plug instead of bridge plug.

9/25/22 - Spot balance plug f/6373' t/5600' w/385sxs Class G cmt (68bbls), 17.1ppg, .99yield, 30bbl spacer. Displaced w/79bbl obm. POOH t/5300'. Circ. Tag cmt plug @ 5923'. TOOH.

9/26/22 - RU WL. Run in hole w/9-5/8" composite bridge plug, set @ 5490'. RD WL. TIH to 5414', displace obm w/water. Test plug to 510psi/15mins. Test good. ND BOP. RD to walk rig to RU 647H.

LOGOS will submit a change in plans to sidetrack this wellbore in the coming weeks.

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

Title Regulatory Specialist

Signature *Etta Trujillo*

Date 10/03/2022

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)

From: [Kuehling, Monica, EMNRD](#)
To: [Drilling](#); [Virgil Lucero](#); [Powell, Brandon, EMNRD](#)
Cc: [Krista McWilliams](#); [Vanessa Fields](#); [Randy Edgeington](#)
Subject: RE: [EXTERNAL] LOGOS // Rosa Unit 649H
Date: Saturday, September 24, 2022 4:26:54 PM
Attachments: [image001.jpg](#)

Second request - Wellbore schematic received 4:23 p.m Saturday September 24, 2022

NMOCD approval is given for below plug

Tagging of plug is required. Notify both agencies of results before continuing.

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

From: Drilling <Drilling@logosresourcesllc.com>
Sent: Saturday, September 24, 2022 1:49 PM
To: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Virgil Lucero <vlucero@blm.gov>; Powell, Brandon, EMNRD <Brandon.Powell@emnrd.nm.gov>
Cc: Krista McWilliams <kmcwilliams@logosresourcesllc.com>; Vanessa Fields <vfields@logosresourcesllc.com>; Randy Edgeington <redgeington@logosresourcesllc.com>; Drilling <Drilling@logosresourcesllc.com>
Subject: [EXTERNAL] LOGOS // Rosa Unit 649H

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

Good Afternoon,

After further discussion LOGOS Operating is asking for permission to pump a cement plug on top of the current fish left in the hole. This is permission to pump our cement, LOGOS will summit a sundry at a later date to determine a path forward regarding this well bore.

Well Data

Well: Rosa Unit 649H

API: 30-039-31140

- TD = 12,868' MD (8.5" OH f 12,868'-6,221')

- Top of Fish = 6373' (+- 8.83 Deg)
- 9 5/8" Shoe Set @ 6,221' MD (9-5/8" CSG Tested & Charted on 9-12-2022)
- 12-1/4" open Hole = 6,221' – 6,272' (51')
- 8-1/2" open hole = 6,272' – 6,373' (99')
- Planned TOC = 5625' MD (Pipe out)

Asking to Pump a CMT plug from Fish top (6,373') up to the inside of our 9-5/8" Csg (5,625)

- 385 sacks (0.99 cuft/sks) Class G cement (68 bbls) mixed at 17.1 ppg.
- That is 25% excess in the open hole and 0% excess in casing.

A phone call for a verbal approval was made at 12:57pm today.

- BLM called back and gave a verbal to move ahead with the cmt plug.
- Waiting for NMOCD to respond.

Thank You,

RANDY EDGEINGTON

Drilling & Completions Superintendent

LOGOS Resources, LLC.

Cell:307-840-1091

redgeington@logosresourcesllc.com



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Well Name: ROSA UNIT	Well Location: T31N / R5W / SEC 19 / NENW /	County or Parish/State: RIO ARRIBA / NM
Well Number: 649H	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: 300393141000X1	Well Status: Temporarily Abandoned	Operator: LOGOS OPERATING LLC

Subsequent Report

Sundry ID: 2696737

Type of Submission: Subsequent Report

Type of Action: Other

Date Sundry Submitted: 10/06/2022

Time Sundry Submitted: 06:58

Date Operation Actually Began: 09/13/2022

Actual Procedure: 9/13/22 - TIH to 4930', wash f/4935' t/6255', lost full rets & hole sluffed in @ 6255'. Work tight hole f/6261' t/6157'. Circ @ 6157'. TOOH. 9/14/22 - TIH to 6221', wash & ream f/6261' t/6272', hole sluffing in from shoe @ 6221' t/6255'. Drill new 8.5" hole f/6272' t/6300'. Circ. hole sluffed in, worked pipe free. POOH. PU curve BHA, TIH t/6225', change water base to OBM. 9/15-17/22 - Wash & ream f/6225' t/6300'. Drill 8.5" curve f/6300' t/12,868'. Circ & condition, hole packed off, work pipe f/12,840' t/12,823'. 9/18/22 - Regain rets @ 12,825', circ & work pipe. TOOH. Spot 15.5ppg, kill mud 235bbl. TOF @ 6334'. TIH, wash & ream w/overshot to 6335'. Circ & condition. TOOH. 9/19-20/22 - Circulate. TOOH and lay down fishing tools. TIH t/6258' w/7-3/8" overshot. Circ. Jar on fish, rotate, pulled off fish, could not relatch. Circ mud. Spot 55bbls, 16.5ppg. POOH t/6330', lay down fishing tools. Wash over fish @ 6334' to 6373'. Circ. POOH & laydown wash pipe. TIH w/7-3/8" overshot, attempt to latch onto fish, push fish down to 6350'. POOH t/739'. 9/21/22 - TOOH, overshot had 35' of fish. New TOF @ 6373'. PU 8-1/8" oversht & 6.5" grapple, TIH t/6353'. Attempt to catch fish, TOOH w/overshot, unsuccessful. Lay down fishing tools. PU & TIH w/8.5" tri-cone bit, tag fish @ 6373' & dressed hole. TOOH. 9/22-24/22 - TIH w/overshot grapple t/6372', made several attempts to latch onto fish (failed). POOH. Lay down overshot. TIH t/2628'. Cont to fish (unsuccessful). Received verbal approval from BLM (Virgil Lucero) & NMOCD (Monica Kuehling) to pump cement plug on top of fish @ 6373'. RU & RD WL, decision was made to pump cement plug instead of bridge plug. 9/25/22 - Spot balance plug f/6373' t/5600' w/385sxs Class G cmt (68bbls), 17.1ppg, .99yield, 30bbl spacer. Displaced w/79bbl obm. POOH t/5300'. Circ. Tag cmt plug @ 5923'. TOOH. 9/26/22 - RU WL. Run in hole w/9-5/8" composite bridge plug, set @ 5490'. RD WL. TIH to 5414', displace obm w/water. Test plug to 510psi/15mins. Test good. ND BOP. RD to walk rig to RU 647H. LOGOS will submit a change in plans to sidetrack this wellbore in the coming weeks.

Well Name: ROSA UNIT

Well Location: T31N / R5W / SEC 19 / NENW /

County or Parish/State: RIO ARRIBA / NM

Well Number: 649H

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: 300393141000X1

Well Status: Temporarily Abandoned

Operator: LOGOS OPERATING LLC

SR Attachments

Actual Procedure

3160_5_Rosa_Unit_649H_PROD_Subsequent_Report_20220926_20221006065717.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: OCT 06, 2022 06:57 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: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Accepted

Disposition Date: 10/27/2022

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 154463

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 154463
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
nmurphy	Accepted as subsequent report for record	10/16/2023