

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. NMSF78767

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 644H
3a. Address 2010 AFTON PLACE FARMINGTON, NM 87401	3b. Phone No. (include area code) (505) 278-8720	9. API Well No. 30-039-31430
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SEC 19 T31N R05W NE/NW (C) 956 FNL 482 FWL		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	
<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 checked="" type="checkbox"/> Other Intermediate 1	
	<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 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 determined that the site is ready for final inspection.)

8/29/2023 - PU 17.5" BHA. TIH tag cmt @ 331'. Wash & ream to 381'. Drill 17.5" hole f/381' t/520'. Circ. TOOH. RIH w/17.5" tri-cone bit. Run Gyro, survey showed RU 649H @ 2.8'. Plan forward to plug back f/520' t/280' & sidetrack. **Received approval from Monica Kuehling (NMOCD) and Virgil Lucero (BLM) to plug & sidetrack.**

8/30 - 9/1/2023 - TIH to 518'. Circulate & clean hole for cmt plugback. RU cmt equip. Mix & pump Premium Class G cmt w/525sx (88bbls, 530cf) 16.8ppg, 1.01yield. WOC. Estimated TOC @ 314'. Tag cmt @ 341'. Drill cement to 391'. Time drill and sidetrack well @ +- 391'. Drill f/314' t/535' Circulate. TOOH.

9/2 - 9/5/2023 - Pick up drilling BHA and TIH. Continue to drill 17.5" hole f/535' t/3535'. Circulate hole clean. Wiper trip to 2130'. Condition mud & circulate.

9/6 - 9/7/2023 - TOOH. Lay down BHA. RU casing equipment. **RIH w/84jts 13-3/8", J-55 61.0# landed @ 3,519' w/FC @ 3,433'**. Mix & pump 2164 sxs lead premium lead class G cement (732bbls, 4112cf) 40bbls spacer, 12.4ppg, 1.90yield. Tail w/509 sxs premium class G cement (100bbls, 560cf) 15.8ppg, 1.10yield. 21bbls cement to surface. Bump plug @ 01:15 1340psi. RD cement equipment.

Pressure test will be reported on the next sundry.

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

Etta Trujillo Title Regulatory Specialist

Signature *Etta Trujillo* Date 09/18/2023

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	

From: [Lucero, Virgil S](#)
To: [Kuehling, Monica, EMNRD](#); [drilling](#)
Cc: [Ryan Haddow](#); [Vanessa Fields](#)
Subject: Re: [EXTERNAL] Side Track plan Rosa 644H
Date: Tuesday, August 29, 2023 9:49:09 PM

Yes, sorry the BLM approves the plan, I apologize for not stating that on my reply earlier.

We will witness an inspection some time after the side tract begins.

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

From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Sent: Tuesday, August 29, 2023 9:25 PM
To: Lucero, Virgil S <vlucero@blm.gov>; drilling@logosresourcesllc.com>
Cc: Ryan Haddow <rhaddow@logosresourcesllc.com>; Vanessa Fields <vfields@logosresourcesllc.com>
Subject: Re: [EXTERNAL] Side Track plan Rosa 644H

Nmocd approves plan -please keep informed on how things go
Thank you
Monica Kuehling
Nmocd

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From: Lucero, Virgil S <vlucero@blm.gov>
Sent: Tuesday, August 29, 2023 9:13:52 PM
To: drilling@logosresourcesllc.com>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Cc: Ryan Haddow <rhaddow@logosresourcesllc.com>; Vanessa Fields <vfields@logosresourcesllc.com>
Subject: Re: [EXTERNAL] Side Track plan Rosa 644H

We appreciate the heads-up, I've heard of this happening before, however I've

never experienced it in our area.

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

From: drilling <drilling@logosresourcesllc.com>

Sent: Tuesday, August 29, 2023 9:08 PM

To: monica.kuehling@state.nm.us <monica.kuehling@state.nm.us>; Lucero, Virgil S <vlucero@blm.gov>

Cc: Ryan Haddow <rhaddow@logosresourcesllc.com>; Vanessa Fields <vfields@logosresourcesllc.com>

Subject: [EXTERNAL] Side Track plan Rosa 644H

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Rosa 644H

20" surface csg depth – 381'

Drilled 17.5" hole to 520'

We drilled to 520' could not get a good survey with MWD due to magnetics. Tripped out of hole this afternoon & ran a Gyro. Gyro Surveys showed we are 2.8' away from Rosa 649H well. Plan going forward would be to pump cmt plug and plug back from 520' to 280' (150' inside of 20" csg). Drill cmt down to just outside of csg & side tract well. If you need any more information please feel free to call me ant time.

Charles Deardoff

Drilling Consultant

Cell # 318-286-8400

Rig # 505-491-0666

drilling@logosresourcesllc.com

Well Name: ROSA UNIT	Well Location:	County or Parish/State:
Well Number: 644H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078767	Unit or CA Name: ROSA UNIT	Unit or CA Number: NMNM78407E
US Well Number: 300393143000X1	Well Status: Drilling Well	Operator: LOGOS OPERATING LLC

Subsequent Report

Sundry ID: 2751892

Type of Submission: Subsequent Report

Type of Action: Drilling Operations

Date Sundry Submitted: 09/18/2023

Time Sundry Submitted: 02:33

Date Operation Actually Began: 08/29/2023

Actual Procedure: 8/29/2023 - PU 17.5" BHA. TIH tag cmt @ 331'. Wash & ream to 381'. Drill 17.5" hole f/381' t/520'. Circ. TOOH. RIH w/17.5" tri-cone bit. Run Gyro, survey showed RU 649H @ 2.8'. Plan forward to plug back f/520' t/280' & sidetrack. Received approval from Monica Kuehling (NMOCD) and Virgil Lucero (BLM) to plug & sidetrack. 8/30 - 9/1/2023 - TIH to 518'. Circulate & clean hole for cmt plugback. RU cmt equip. Mix & pump Premium Class G cmt w/525sx (88bbbs, 530cf) 16.8ppg, 1.01yield. WOC. Estimated TOC @ 314'. Tag cmt @ 341'. Drill cement to 391'. Time drill and sidetrack well @ +- 391'. Drill f/314' t/535' Circulate. TOOH. 9/2 - 9/5/2023 - Pick up drilling BHA and TIH. Continue to drill 17.5" hole f/535' t/3535'. Circulate hole clean. Wiper trip to 2130'. Condition mud & circulate. 9/6 - 9/7/2023 - TOOH. Lay down BHA. RU casing equipment. RIH w/84jts 13-3/8", J-55 61.0# landed @ 3,519' w/FC @ 3,433'. Mix & pump 2164 sxs lead premium lead class G cement (732bbbs, 4112cf) 40bbbs spacer, 12.4ppg, 1.90yield. Tail w/509 sxs premium class G cement (100bbbs, 560cf) 15.8ppg, 1.10yield. 21bbbs cement to surface. Bump plug @ 01:15 1340psi. RD cement equipment. Pressure test will be reported on the next sundry.

SR Attachments

PActual Procedure

3160_5_Rosa_Unit_644H_Intermediate1_Subsequent_Report_20230918143103.pdf

Well Name: ROSA UNIT

Well Location:

County or Parish/State:

Well Number: 644H

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF078767

Unit or CA Name: ROSA UNIT

Unit or CA Number: NMNM78407E

US Well Number: 300393143000X1

Well Status: Drilling Well

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: SEP 18, 2023 02:30 PM

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: 09/18/2023

Signature: Matthew Kade

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 266560

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 266560
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
kelly.roberts	None	10/18/2023