

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.	NMSF078771
6. If Indian, Allottee or Tribe Name	

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well		8. Well Name and No.
<input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		ROSA UNIT 008
2. Name of Operator LOGOS OPERATING LLC		9. API Well No. 30-039-07944
3a. Address 2010 AFTON PLACE FARMINGTON, NM 87401	3b. Phone No. (include area code) (505) 278-8720	10. Field and Pool or Exploratory Area Rosa Pictured Cliffs / Blanco Mesaverde
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Unit M, Sec 26 T31N R06W 1100 FSL 900 FWL		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 type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Downhole Commingle
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
<input type="checkbox"/> Final Abandonment Notice	<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 determined that the site is ready for final inspection.)

4/18/23 - MIRU. NDWH. NUBOP. Make up 4-3/4" bit, TIH to CBP @ 5364'. SIW. SDFN.

4/19/23 - RU. Break circ w/air & mist. Drill out CBP @ 5364. Tag fill @ 5639'. Circ. Clean out to 5805' (open hole f/5712' t/5805'). TOOHO to TOL @ 3511'. Kill well w/80bbls of produced water. TOOHO w/mill. TIH w/178jts 2-3/8", 4.7#, J-55, landed @ 5706', SN @ 5641'. ND BOPE. NU WH. SIW. SDFN.

4/20/23 - Swab well. TIH w/rods, 2" X 1-1/2" X 18' RWAC-Z HVR. PT tbg to 500psi. Test good. RD. RR.

Well is producing as a downhole commingled Rosa Pictured Cliffs / Blanco Mesaverde - DHC5228.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Title
Etta Trujillo	Regulatory Specialist
Signature <i>Etta Trujillo</i>	Date
	05/03/2023

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 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 26 / SWSW / 36.86639 / -107.43758	County or Parish/State: RIO ARRIBA / NM
Well Number: 8	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078771	Unit or CA Name: ROSA UNIT - PC, ROSA UNIT--MV	Unit or CA Number: NMNM78407A, NMNM78407C
US Well Number: 3003907944	Well Status: Producing Gas Well	Operator: LOGOS OPERATING LLC

Subsequent Report

Sundry ID: 2728857

Type of Submission: Subsequent Report

Type of Action: Workover Operations

Date Sundry Submitted: 05/03/2023

Time Sundry Submitted: 08:36

Date Operation Actually Began: 04/18/2023

Actual Procedure: 4/18/23 - MIRU. NDWH. NUBOP. Make up 4-3/4" bit, TIH to CBP @ 5364'. SIW. SDFN. 4/19/23 - RU. Break circ w/air & mist. Drill out CBP @ 5364.. Tag fill @ 5639'. Circ. Clean out to 5805' (open hole f/5712' t/5805'). TOO H to TOL @ 3511'. Kill well w/80bbbls of produced water. TOO H w/mill. TIH w/178jts 2-3/8", 4.7#, J-55, landed @ 5706', SN @ 5641'. ND BOPE. NU WH. SIW. SDFN. 4/20/23 - Swab well. TIH w/rods, 2" X 1-1/2" X 18' RWAC-Z HVR. PT tbg to 500psi. Test good. RD. RR. Well is producing as a downhole commingled Rosa Pictured Cliffs / Blanco Mesaverde - DHC5228.

SR Attachments

Actual Procedure

3160_5_Rosa_Unit_008_Downhole_Commingled_20230420_20230503083529.pdf

Well Name: ROSA UNIT	Well Location: T31N / R6W / SEC 26 / SWSW / 36.86639 / -107.43758	County or Parish/State: RIO ARRIBA / NM
Well Number: 8	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078771	Unit or CA Name: ROSA UNIT - PC, ROSA UNIT--MV	Unit or CA Number: NMNM78407A, NMNM78407C
US Well Number: 3003907944	Well Status: Producing Gas 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: MAY 03, 2023 08:26 AM

Name: LOGOS OPERATING LLC

Title: Regulatory Specialist

Street Address: 2010 AFTON PLACE

City: FarmingtonState: 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: 05/03/2023

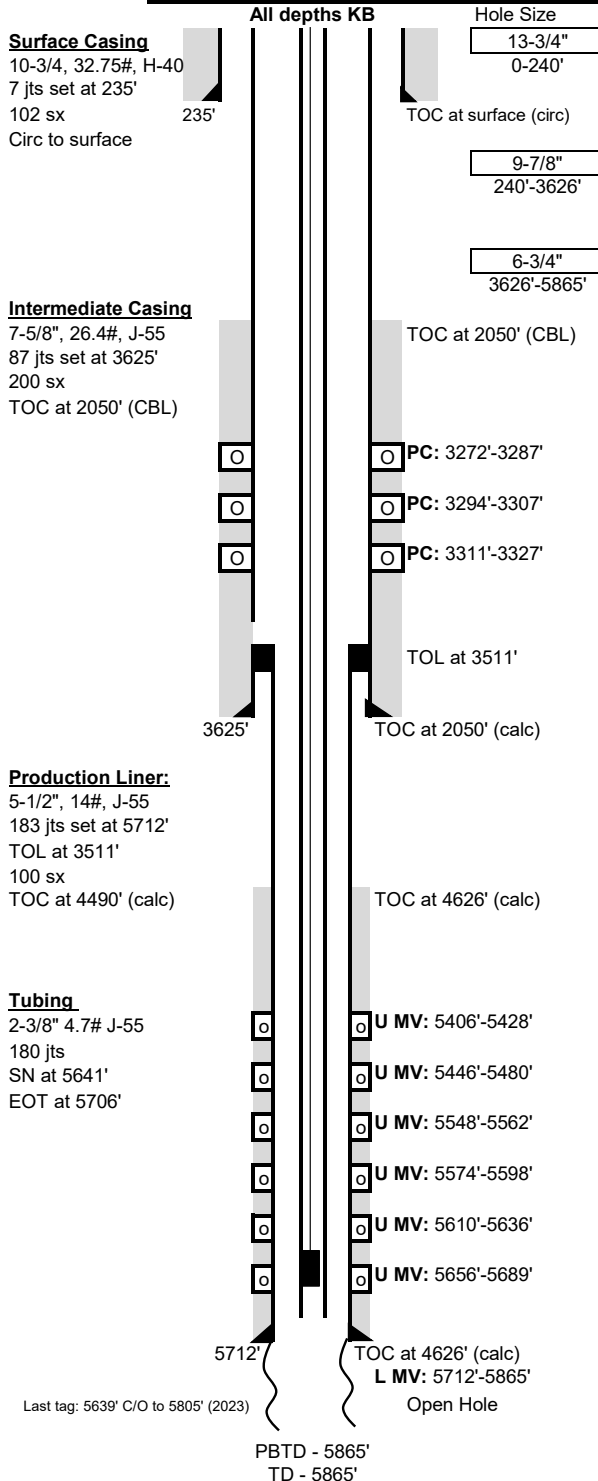
Signature: Matthew Kade



Well Name: Rosa Unit 8
 Location: M-26-31N-06W 1100' FSL & 900' FWL
 County: Rio Arriba, NM
 API #: 30-039-07944
 Co-ordinates: Lat 36.8664055, Long -107.4381256
 Elevations: GROUND: 6429'
 KB: 6444'
 Depths (KB): PBDT: 5865'
 TD: 5865'

Date Prepared: 7/22/2022 Moss
 Reviewed By: 7/25/2022 Gomez
 Last Updated: 4/25/2023 Peace
 Spud Date: 7/2/1955
 Completion Date: 8/23/1955
 Last Workover Date: 4/18/2023

VERTICAL WELLBORE



Surface Casing: (07/03/1955)
 Drilled a 13-3/4" surface hole to 240'. Set 7 jts, 10-3/4", 32.75#, H-40 csg at 235'.
 Cmt'd w/ 102 sx 4% gel (158 cu ft). Circ to surface.

Intermediate Casing: (07/30/1955)
 Drilled a 9-7/8" intermediate hole to 3626'. Set 87 jts 7-5/8", 26.4#, J-55 csg at 3625'.
 Cmt'd w/ 150 sx 8% gel tailed w/ 50 sx neat cmt. (347 cu ft).
 TOC at 2050' per CBL (1994).

Production Liner: (08/16/1955)
 Drilled a 6-3/4" production hole to 5712'. Set 183 jts 5-1/2", 14#, J-55 csg at 5712'.
 Cmt'd w/ 100 sx 2% gel (136 cu ft). TOC at 4626' per calc. DO past cmt to 5865',
 4-3/4" open hole below csg.

**1994- Ran free-point calc & backed off csg at ~3542', pulled 113 jts & 15' cutoff. Ran
 1 new 5-1/2" csg jt & screwed into csg stub at 3547' & set liner hanger at 3511'.**

Tubing:	Length (ft)
KB	15
(178) 2-3/8" 4.7#, J-55 tbg jts	5626
(1) SN	1
(1) 2-3/8" tbg jt w/ slots at 19.5' & 20'	33
(1) 2-3/8" bullplugged MA	32
Set at:	5706 ft

Rods:	
(1) 1-1/4" x 26' polished rod w/ 1-1/2" x 12' liner	26
(2) 7/8" x 8' pony rods	16
(77) 7/8" plain rods	1925
(138) 3/4" plain rods	3450
(2) 3/4" x 8' plain pony rods	16
(8) 1-1/4" sinker bars	200
(1) 21k shear tool	1
(1) 3/4" x 8' guided pony rods	8
(1) 2" x 1-1/2" x 18' RWAC pump	16
w/ 1"x12" gas anchor	

Pumping Unit:
 Weatherford 320-305-100, 100" stroke length

Perforations:
 1955- **L MV:** (5712'-5865') Open hole. Frac w/ 20,000# 20/40 sand in 20,000 gal fluid.
 1955- **U MV:** (5406'-28', 5446'-80', 5548'-62', 5574'-98', 5610'-36', 5656'-5689').
 5406'-28', 4 SPF & 5446'-5689', 2 SPF. Acidize w/ 500 gal acid.
 Frac w/ 20,000# 20/40 sand in 20,000 gal fluid.
 1994- **PC:** (3272'-3287', 3294'-3307', 3311'-3327'). 1 SPF, 47, 0.36" holes.
 Acidize w/ 1000 gal 7.5% HCL. Frac w/ 98,300# 20/40 mesh in 18,396 gal
 of 30# borate x-link gel in 70Q N2 foam.

Formations:	MD	MD
Kirtland-	2588'	Cliff House 5387'
Fruitland-	3090'	Menefee 5438'
Pictured Cliffs-	3266'	Point Lookout 5658'

Additional Notes:
08/1955 Initial completion. Perf'd & stim'd MV formation. Set 2-3/8" tbg at 5692'.
08/1994 Re-complete. Backed off 5-1/2" csg, pulled 113 jts & 15' cutoff. Ran new
 5-1/2" csg, screwed into csg stub at 3547', TOL at 3511'. Perf'd & stim'd the PC
 formation. CO to 5859', had 1/2" pieces of shale & sand. Set pkr & landed 1-1/2"
 MV string at 5713'. Set 1-1/2" PC string at 3324'.
4/1/2023 PU Install Tagged fill at 5639', C/O to 5805'. TIH w/ new tbg string, EOT 5706'
 RIH w/ new rod assembly- 2"x1-1/2"x18' RWAC w/ 1"x12" gas anchor.

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 213111

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 213111
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
kelly.roberts	Adhere to previously stipulated conditions of approval from 10/27/2022.	2/28/2024