

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.
NMSF078774
6. If Indian, Allottee or Tribe Name**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator
LOGOS OPERATING LLC3a. Address
2010 AFTON PLACE
FARMINGTON, NM 874013b. Phone No. (include area code)
(505) 278-87204. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC 30 T31N R04W NESW (K) 2548 FSL 2066 FWL

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

8. Well Name and No.
Rosa Unit 3159. API Well No.
30-039-2521910. Field and Pool or Exploratory Area
BASIN FRUITLAND COAL11. 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	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	MIT	
<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 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.)

A Mechanical Integrity Test was performed on 4/27/2022, PT to 720psi for 30mins. Witnessed by Thomas Vermersch (NMOCD). Test good. See attached chart.

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

Etta Trujillo

Title Regulatory Specialist

Signature *Etta Trujillo*

Date 04/28/2022

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)

Well Name: ROSA UNIT	Well Location: T31N / R4W / SEC 30 / NESW / 36.87013 / -107.29694	County or Parish/State: RIO ARRIBA / NM
Well Number: 315	Type of Well: OTHER	Allottee or Tribe Name:
Lease Number: NMSF078774	Unit or CA Name: ROSA UNIT - FRUITLAND PA	Unit or CA Number: NMNM78407D
US Well Number: 300392521901S1	Well Status: Temporarily Abandoned	Operator: LOGOS OPERATING LLC

Subsequent Report

Sundry ID: 2669348

Type of Submission: Subsequent Report	Type of Action: Mechanical Integrity Test
Date Sundry Submitted: 05/02/2022	Time Sundry Submitted: 08:30
Date Operation Actually Began: 04/27/2022	

Actual Procedure: A Mechanical Integrity Test was performed on 4/27/2022, PT to 720psi for 30mins. Witnessed by Thomas Vermersch (NMOCD). Test good. See attached chart.

SR Attachments

Actual Procedure

3160_5_Rosa_Unit_315_MIT_Subsequent_Report_20220427_20220502082825.pdf

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US Well Number: 300392521901S1	Well Status: Temporarily 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

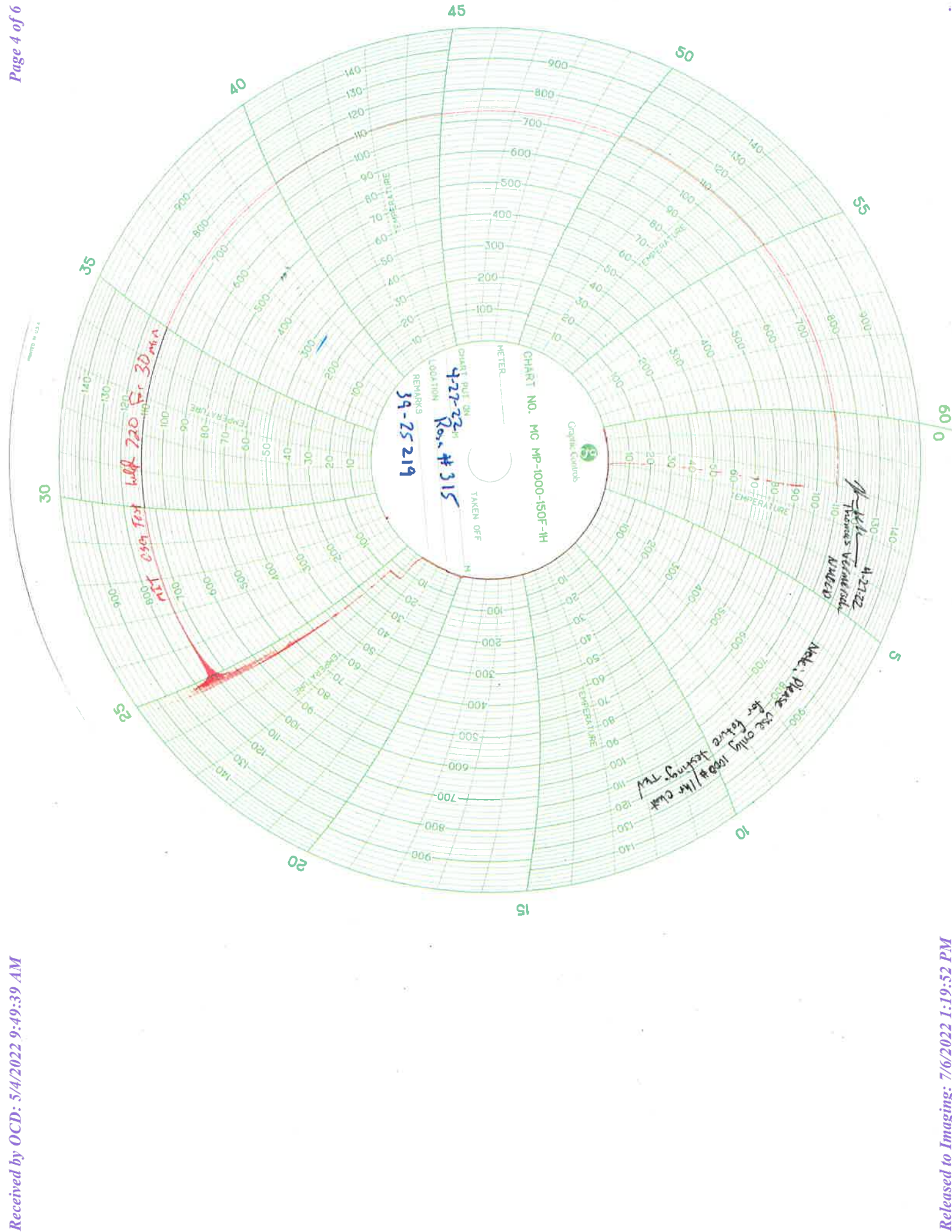
Operator Electronic Signature: ETTA TRUJILLO
Signed on: MAY 02, 2022 08:28 AM
Name: LOGOS OPERATING LLC
Title: Regulatory Specialist
Street Address: 2010 AFTON PLACE
City: Farmington State: NM
Phone: (505) 324-4154
Email address: ETRUJILLO@LOGOSRESOURCESLLC.COM

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: 05/02/2022
Signature: Kenneth Rennick





Wellbore Schematic

Well Name: Rosa Unit 315
 Location: Unit K, Sec 30, T31N, R04W 2548' FSL & 2066' FWL
 County: Rio Arriba
 API #: 30-039-25219
 Co-ordinates: Lat 36.8703003 Long -107.2974243
 Elevations: GROUND: 6549'
 KB: 6561'
 PBDT: 3523'
 TD: 3580'

Last Updated: 4/15/2021 Moss
 Reviewed by: 3/11/2022 Peace
 Spud Date: 10/18/1992
 Completion Date: 9/6/1993
 Last Workover Date: 4/23/2015
 TA'd Well: 4/8/2017

Surface Casing

9-5/8", 36# J-55
 6 jts set at 300'
 165 sx
 Circ to surface

Hole Size
 12-1/4"
 0-363'
 TOC at surface (circ)
 Mill window 411'-437'

Cut csg at 505'

Spotted 50 sx
 327'-545'

Abandoned Production Csg

5-1/2", 17#, J-55
 Set at 3499'
 125 sx
 TOC at 2400' (CBL)
 Sqz'd csg at 2500'
 w/ 600 sx

Sidetrack Production Csg

5-1/2", 17#, N-80
 80 jts set at 3573'
 547 sx
 TOC at 900' (CBL)

Abandoned
 7-7/8"
 363'-3500'

Sidetrack
 7-7/8"
 327'-3580'

TOC at 900'

Perf holes at 2500'
 Sqz w/ 600sx cmt (1993)

DV tool at 2939'

Set cmt retainer at 3270'
 Pump 50sx below & above

FC: 3296'-3301'

FC: 3350'-52'

FC: 3356'-64'

FC: 3370'-76'

FC: 3379'-84'

3499'

TD: 3500'

PBDT: 3523'
 TD: 3580'

DV Tool at 3077'

Set CIBP at 3240'

FC: 3302'-06'

FC: 3350'-52'

FC: 3356'-64'

FC: 3370'-76'

FC: 3379'-84'

Lost CIBP downhole in 2017

Surface Casing: (10/18/1992)

Drilled a 12-1/4" surface hole to 363'. Set 8-5/8", 24#, J-55 casing at 355'.

Abandoned Production Casing: (10/25/1992)

Drilled a 7-7/8" production hole to 3500'. Set 5-1/2", 17#, J-55 casing at 3499'.

Float collar at 3471'. DV tool at 2939'. Cmt lead w/ 25 sx 50/50 POZ (32cf) w/ 100sx

Class B cmt (118 cf). Had to shut down for winter. TOC at 2400' (6/1993 CBL)

(07/1993) Perf'd 3 sqz holes at 2500'. Sqz'd w/ 500 sx Halliburton Lite cmt & tailed w/ 100 sx Class B cmt. TOC at 1320' per 1999 CBL.

(10/1999) Set a cmt retainer at 3270' and pumped 50 sx below & 50 sx above.

Sidetrack Production casing (10/1999)

Cut 5-1/2" csg at 505' and pulled. Spotted 50 sx Class H cmt 300-545'. Tagged cmt at 327'.

DO cmt & milled window 411'-437'. Drilled a 7-7/8" production hole to 3580'. Set 80 jts

5-1/2", 17#, N-80 csg at 3573' w/ DV tool at 3077'. Stage 1: cmt w/ 165 sx Class H cmt.

Stage 2: cmt w/ 332 sx Type III, 35/65 POZ tailed by 50 sx Class H cmt. DO cmt to 3523'.

TOC at 900' per 10/26/1999 CBL

Rods & Tubing:

Pulled rods & tubing in 2017 to TA well

Pumping Unit:

Churchill C-114-143-54 - not in use

Perforations:

6/1993 - FC: 3296'-3301', 3350'-3352', 3356'-3364', 3370'-3376', 3379'-3384'.

93, 0.5" holes. Acidized w/ 600 gal 7.5% HCL. Frac w/ 26,440# 40/70 sand & 201,000# 20/40 sand in 5,500 gal liner gel & 103,230 gal 25# Borate X-link gel.

10/1999 - FC: 3302'-06', 3353'-58', 3361'-69', 3372'-78', 3383'-88'. 4spf, 112, 0.36" holes.

Acidized 3353'-3388' w/ 900 gal 15% HCL & 3302'-3306' w/ 100 gal 15% HCL

Frac 3302'-3388' w/ 223,970# 12/20 Ottawa sand in 93,720 gal 20# Delta 140 frac fluid.

Formations:

Ojo Alamo-	2770	Fruitland Coal-	3180'
Kirtland-	2832'	Pictured cliffs-	3425'

Additional Notes:

(10/1992) Finished drilling & setting casing. Had to MOL due to winter closure.

(09/1993) Completed well. Perf'd & frac'd FC formation. Perf'd csg at 2500' & sqz'd w/ 600 sx cmt. CO to 3450' and landed 2-7/8" tubing at 3347'.

(9/1995- 7/1998) well was SI due to economics, produced 7mcf/d & ~22 bwppd.

(08/1998) PU install. Tag fill at 3437', did not CO. Land 2-7/8" tbg at 3423'. Ran 7/8" plain rods and a 2.5"x2"x14' RWAC pump.

(09/1999) Drilled sidetrack, completed FC formation, CO to 3523. Landed 2-7/8" tbg at 3378'. Ran 7/8" plain rods and a 2.5"x2"x20' RWAC pump.

(09/2004) Pull rods & pump. Tag fill at 3376'. CO to PBDT. EOT at 3424'. Added 3 sinker bars to rod config & ran a 2.5"x1.5"x20' RWAC pump.

(04/2015) Pull rods & pump. Tag fill at 3504'. Pulled tbg, found leak in in collar on jt #101, just tightened collar. Land tbg at 3426'. Ran same rod configuration & same sized pump.

(04/2017) Pulled rods & tbg. Ran csg scraper to 3312'. Attempted to set CIBP at 3240'.

CIBP fell downhole, did not fish. Set new CIBP at 3240'. Loaded hole w/ 45 bbls fluid.

Pressure tested to 590#, passed test.

Max deviation is 7°

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 103961

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 103961
	Action Type: [C-103] Sub. Temporary Abandonment (C-103U)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	MIT APPROVED - NEXT MIT REQUIRED ON OR BEFORE 4/27/2027	6/15/2022