

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

### Notice of Intent

**Sundry ID:** 2814964

**Type of Submission:** Notice of Intent

**Type of Action:** Workover Operations

**Date Sundry Submitted:** 10/02/2024

**Time Sundry Submitted:** 11:19

**Date proposed operation will begin:** 10/02/2024

**Procedure Description:** LOGOS Operating, LLC request to return well back to production per the attached procedure, current and proposed wellbore diagram.

### Surface Disturbance

**Is any additional surface disturbance proposed?:** No

### NOI Attachments

**Procedure Description**

Rosa\_Unit\_315\_Regulatory\_Proposed\_Return\_to\_Production\_Procedure\_20241002111924.pdf

Well Name: ROSA UNIT

Well Location: T31N / R4W / SEC 30 /  
NESW / 36.87013 / -107.29694County 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 PAUnit or CA Number:  
NMNM78407D

US Well Number: 300392521901S1

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: OCT 02, 2024 11:20 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: Approved

Disposition Date: 10/02/2024

Signature: Kenneth Rennick



## **Return to Production**

### **Rosa Unit 315**

**30-039-25219**

**2548' FSL & 2066' FWL**

**Section 30, T31N, R04W**

**Rio Arriba, New Mexico**

**LAT: 36.8703003° N LONG: -107.2974243° W**

**Fuitland Coal**

### **PROJECT OBJECTIVE:**

This well has been temporarily abandoned since April 2017 due to poor economics. The well must be returned to production for LOGOS to remain in compliance. In order to return the well to production, the cast iron bridge plug (CIBP) will be milled out and 2-3/8" tubing will be run, and artificial lift will be installed to return the well to production.

### **WORKOVER PROCEDURE:**

1. Hold safety meeting. MIRU workover rig. Place fire and safety equipment in strategic locations. Comply with all LOGOS, BLM, Forest Service, and NMOCD rules and regulations.
2. Lay flow lines. Check and record casing pressure.
3. Nipple down wellhead and nipple up BOP.
4. Pick up work string and mill. Trip in hole and mill out cast iron bridge plug, then trip out of hole with mill.
5. Run 2-3/8" tubing and install artificial lift equipment.
6. Rig down and move off location, returning the well to production.



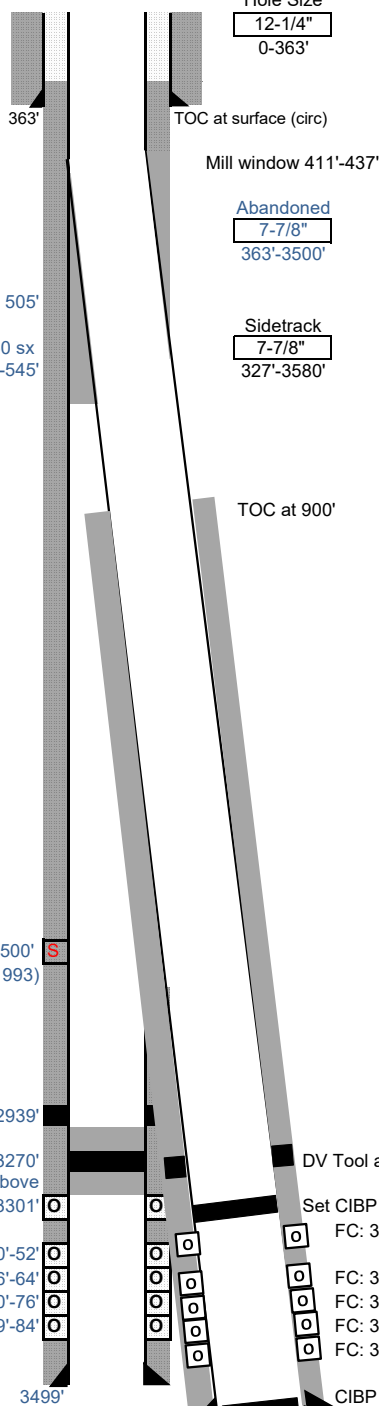
## Wellbore Schematic

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'  
 Depths (KB): 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

**Surface Casing: (10/18/1992)**

Drilled a 12-1/4" surface hole to 363'. Set 8-5/8", 24#, J-55 casing at 355'.  
 Cmt'd w/ 225 sx Class B cmt (266 cf). Circ 114 cf to surface.

**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:**

Dansco 114-143-64 / 64" stroke length

**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 bwpd.  
 (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°

**Sidetrack Deviation**

MD	Degrees	TVD	DLS
123	0.5	unknown	unknown
213	0.75	unknown	unknown
331	0.75	unknown	unknown
437	7	unknown	unknown
834	7	unknown	unknown
1039	7.4	1035.4	0.77
1717	6.8	1710	0.28
2373	6.4	2360	0.18
2718	6.1	2702	0.56
3180	1.5	3163	0.37

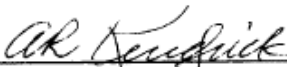
**Deviation report for the vertical portion of the well!****A. R. KENDRICK**

P.O. Box 516 • Aztec, New Mexico 87410 • (505) 334-2555

Meridian Oil, Inc. - Operator  
 Evergreen Operating Corp. - Sub-Operator  
 Rosa Unit #315  
 2548' FSL 2066' FWL  
 K-30-T31N-R4W

I hereby certify the following to be the deviation record of the wellbore of the Rosa Unit #315 well as determined from the available records:

DEPTH	DEVIATION
123'	1/2°
213'	3/4°
331'	3/4°
615'	1-1/2°
893'	1-3/4°
1154'	2°
1742'	1-1/4°
2279'	2°
2522'	2-1/4°
2782'	3-3/4°
2900'	3-3/4°
2993'	3°
3173'	3-3/4°
3500'	2-1/4°



A. R. Kendrick, Agent

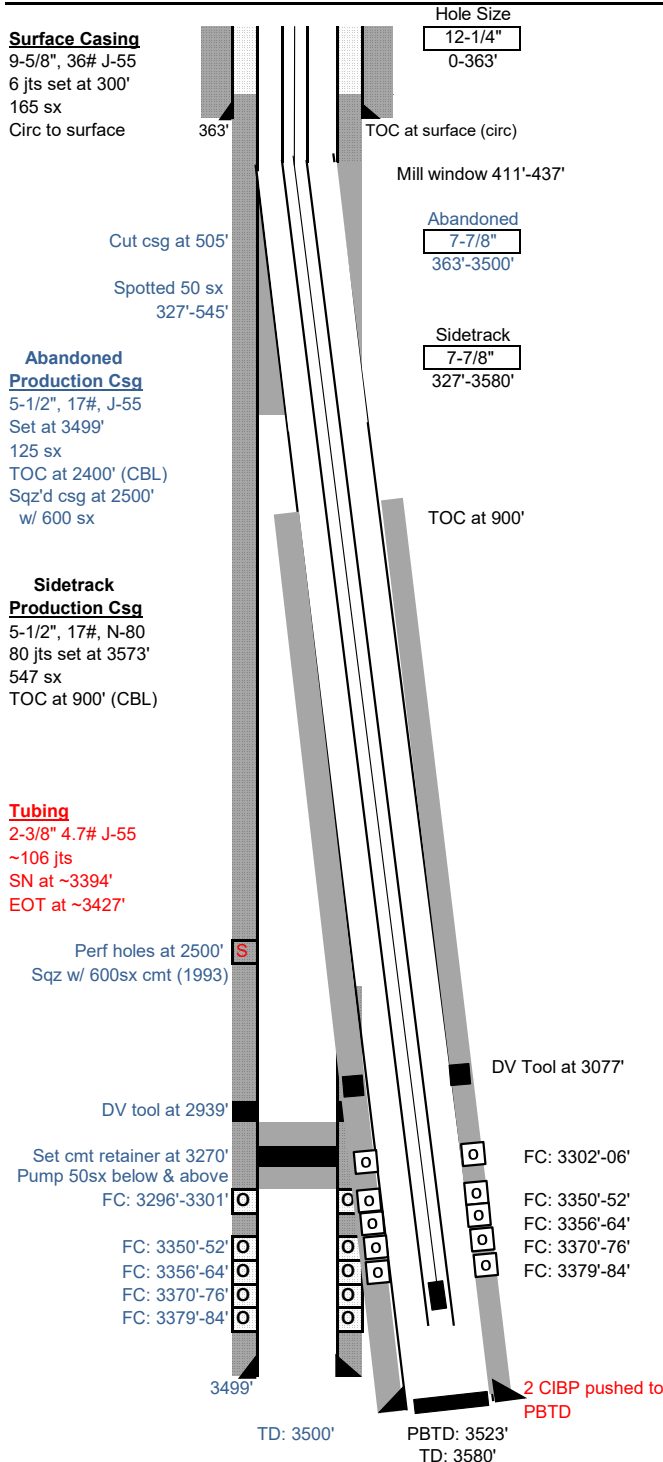
SUBSCRIBED AND SWORN TO BEFORE ME this 19<sup>th</sup> day of July, 1993.



## Proposed 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'  
 Depths (KB): 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: (10/18/1992)**  
 Drilled a 12-1/4" surface hole to 363'. Set 8-5/8", 24#, J-55 casing at 355'.  
 Cmt'd w/ 225 sx Class B cmt (266 cf). Circ 114 cf to surface.

**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

**Tubing:**

KB	12
(~106) 2-3/8" 4.7# J-55 tbg jts	3382
(1) 1.78" SN	1
(1) 2-3/8" 4.7# J-55 tbg jt w/ MS end	32
Set at:	3427 ft

**Rods:**

(1) 1-1/4" PR w/ 1-1/2" liner	22
(18) 3/4" guided rods	450
(~108) 3/4" plain rods	2700
(2) 3/4" x 8' pony rods	16
(7) 1-1/4" sinker bars	175
(1) 21K shear tool	1
(1) 3/4" x 8' guided pony rod	8
(1) 2" x 1-1/4" x 10' x 14' RHAC pump	14

**Pumping Unit:**  
 Dansco 114-143-64 / 64" stroke length

**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' & sqzd 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 bwp/d.  
 (08/1998) PU install. See Well History for details.  
 (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.  
 2 WO's - 9/2004 & 4/2015. See Well History for details  
 (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 389283

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 389283
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Submit subsequent report of work to OCD.	10/2/2024