

Well Name: ROSA UNIT	Well Location: T31N / R5W / SEC 32 / NENW / 36.862734 / -107.388146	County or Parish/State: RIO ARRIBA / NM
Well Number: 24C	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: STATE	Unit or CA Name: ROSA UNIT--DK, ROSA UNIT--MV	Unit or CA Number: NMNM78407A, NMNM78407B
US Well Number: 3003926968	Well Status: Producing Gas Well	Operator: LOGOS OPERATING LLC

Subsequent Report

Sundry ID: 2627514

Type of Submission: Subsequent Report

Date Sundry Submitted: 09/14/2021

Date Operation Actually Began: 06/28/2021

Type of Action: Workover Operations

Time Sundry Submitted: 06:55

**Actual Procedure:** 6/28/2021 - MIRU. ND WH. NU BOP. RU for 2-1/16" tbg. LD short string. NU offset spool. Long string could not pull out of seal bore. SIW. SDFN. 6/29/2021 - RU WL. TIH & chemical cut 2-1/16" tbg @ 6100'. RD WL. LD tbg. SDFN. 6/30/2021 - TIH w/4-3/4" bit, tag fish/fill @ 6093'. RU swivel, break circ. wash over 6'cut off jt to pkr @ 6099'. Circ clean. TOOH. TIH w/overshot. SIW. SDFN. 7/1/2021 - Engage fish @ 6091', jar on fish. TOOH. LD fish & overshot. TIH w/pkr retriever. SIW. SDFN. 7/2/2021 - RU swivel, break circ. Tag & mill on pkr @ 6099'. Milled pkr free. TOOH. LD pkr. TIH & tag fill @ 8110'. SIW. SDFWE. 7/6/2021 - CO sand fill f/8110' to PBTD @ 8135'. Cont to clean out w/air & mist. Natural flow 1hr. SDFN. 7/7/2021 - TIH tag fill @ 8134'. PT tbg to 500#. Good test. Land 2-3/8" tbg, 248jts, J-55 4.7# @ 7989', SN @ 7988'. PBTD @ 8135'. ND BOP. NU WH. Run 4 swab runs. SIW. RDMO. Well is producing as a downhole commingled Blanco Mesaverde / Basin Dakota - DHC5119

SR Attachments

Actual Procedure

3160\_5\_Rosa\_Unit\_24C\_Downhole\_commingle\_Subsequent\_Rpt\_20210805\_20210805154354.pdf

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<b>Well Number:</b> 24C	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> STATE	<b>Unit or CA Name:</b> ROSA UNIT--DK, ROSA UNIT--MV	<b>Unit or CA Number:</b> NMNM78407A, NMNM78407B
<b>US Well Number:</b> 3003926968	<b>Well Status:</b> Producing Gas Well	<b>Operator:</b> LOGOS OPERATING LLC

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

**Operator Electronic Signature:** ETTA TRUJILLO  
**Signed on:** SEP 14, 2021 06:54 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

**Representative Name:**  
**Street Address:**  
**City:** **State:** **Zip:**  
**Phone:**  
**Email address:**

BLM Point of Contact

<b>BLM POC Name:</b> KENNETH G RENNICK	<b>BLM POC Title:</b> Petroleum Engineer
<b>BLM POC Phone:</b> 5055647742	<b>BLM POC Email Address:</b> krennick@blm.gov
<b>Disposition:</b> Accepted	<b>Disposition Date:</b> 09/16/2021
<b>Signature:</b> Kenneth Rennick	



Well Name: Rosa Unit 24C

Location: Sec 32, T31N, R05W 210' FNL &amp; 1905' FWL

County: Rio Arriba

API #: 30-039-26968

Co-ordinates: Lat 36.8627319°, -107.388176° NAD 83

Elevations: GROUND: 6500'

KB: 6514'

Depths (KB): PBDT: 8135'

TD: 8145'

## Wellbore Schematic

Date Prepared: 12/4/2020 Gomez

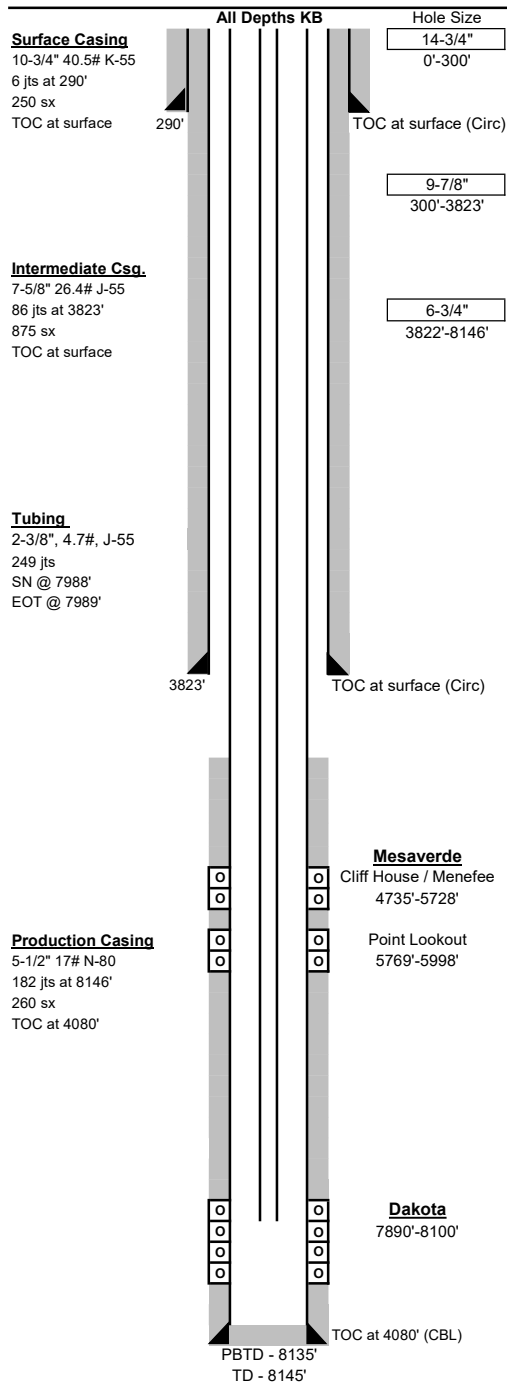
Reviewed by: 12/15/2020 Moss

Spud Date: 6/26/2002

Completion Date: 7/26/2002

Last Workover Date: 12/8/2008

Last Updated: 7/8/2021 Gomez

**Surface Casing: (6/26/2002)**

Drilled 14-3/4" surface hole to 300'. Ran 6 jts 10-3/4" 40.5# K-55 csg set at 290'.

Cmt'd w/ 250 sx Type III RMS (350 cf). Circulated 13 bbls of cement to surface.

**Intermediate Casing: (7/2/2002)**

Drilled 9-7/8" intermediate hole to 3823'. Ran 86 jts 7-5/8" 26.4# J-55 csg set at 3823'.

Cmt'd lead w/ 620 sx Type III 65/35 poz (1292 cf). Cmt'd tail w/ 255 sx Type III cmt (352 cf).

Circulated 25 bbls of cement to surface.

**Production Casing: (7/3/2002)**

Drilled 6-3/4" production hole to 8146'. Ran 182 jts 5-1/2" 17# N-80 csg set at 8146'.

Cmt'd w/ 30 sx Premium Lite HS (80 cf). Cmt tail w/ 230 sx Premium Lite HS (470 cf).

TOC at 4080' CBL.

**Tubing: (7/7/2021)**

	Length (ft)
KB	14
(248) 2-3/8", 4.7#, J-55 tbq jnts	7940
(1) 2-3/8", 4.7#, J-55 tbq marker jt (2')	2
(1) 2-3/8", 4.7#, J-55 tbq jnt	32
(1) 1.78" Seat nipple	1
(1) Expendable check	1

Set at: 7989 ft

**Perforations: (7/26/2002)****Dakota:** (7890'-8100') 1 SPF, 0.46" dia, 22.12" pen & 19 g charges; Acid 500 gal 15% HCl.

7890', 82', 87', 7992', 95', 8028', 32', 34', 38', 41', 45', 62', 65', 68', 74', 8100'.

Frac w/ 4500# 100 mesh ahead, 85,240# 20/40 Ottawa sand, 5240# FLEX sand in 20Q foam.

**Mesaverde: Point Lookout-** (5769'-5998') 1 SPF, 0.33" dia, 16.76" pen & 10 g charges.

5769', 73', 89', 92', 96', 5800', 5', 7', 13', 16', 22', 26', 33', 43', 47', 50', 54', 58', 76', 80', 5900', 17', 44', 80', 98'. Acidize w/ 1000 gal 15% HCl. Frac w/ 81,000# 20/40 AZ sand in 1921 bbls FW.

**Mesaverde: Cliff House/ Menefee-** (4735'-5728') 1 SPF 0.33" dia, 16.8" pen & 10 g charges.

4735', 4839', 46', 5080', 84', 5293', 5311', 5425', 79', 88', 5528', 32', 56', 83', 86', 88', 92', 5654', 58', 63', 67', 69', 73', 77', 5707', 10', 13', 28'. Acidize w/ 1000 gal 15% HCl.

Frac w/ 79,000# 20/40 AZ sand in 1851 bbl FW.

**Formations:**

Ojo Alamo-	2642'	Gallup-	7097'
Kirtland-	2762'	Dakota-	7977'
Pictured Cliffs-	3352'		
Lewis-	3642'		
Cliff House-	5509'		
Menefee-	5558'		
Point Lookout-	5787'		
Mancos-	6127'		

**Additional Notes:**

2008- Mesaverde tubing repair. Bottom 12 joints full of frac sand. Tagged sand at 5900' sand running. Cleaned out to 6085', 20' fill overnight, clean out to 6085'. Land tubing.

7/7/2021- Commingle DK and MV production zones. Heavy sand in the MV above the packer. Tagged 25' of fill in DK (likely contributed to by the MV sand falling through DK tubing string. Cleaned out to 8134'.

Max deviation 1 degree.

**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

COMMENTS  
  
Action 49847

COMMENTS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 49847
	Action Type: [C-103] Sub. Workover (C-103R)

COMMENTS

Created By	Comment	Comment Date
dmccure	Associated with Application ID: 15592	9/29/2023

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Created By	Condition	Condition Date
dmcclure	None	9/29/2023