

Well Name: ROSA UNIT	Well Location: T31N / R6W / SEC 12 / SWNW / 36.971339 / -107.42192	County or Parish/State: RIO ARRIBA / NM
Well Number: 149B	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078767	Unit or CA Name: ROSA UNIT--MV	Unit or CA Number: NMNM78407A
US Well Number: 3003926599	Well Status: Producing Gas Well	Operator: LOGOS OPERATING LLC

Notice of Intent

Sundry ID: 2778458

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 03/07/2024	Time Sundry Submitted: 01:41
Date proposed operation will begin: 03/07/2024	

Procedure Description: Wellbore Isolation LOGOS Operating requests to conduct a wellbore isolation for subject well due to offset development. Once offset development is complete, mill out bridge plugs and downhole commingle Mesaverde and Dakota.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

FOR_REGULATORY__Rosa_Unit_149B___Commingle_Allocation_Procedure_with_attachments_20240307134053.pdf

Received by OCD: 3/11/2024 11:07:07 AM

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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: LACEY GRANILLO

Signed on: MAR 07, 2024 01:42 PM

Name: LOGOS OPERATING LLC

Title: REGULATORY SPECIALIST

Street Address: 2010 AFTON PLACE

City: FARMINGTONState: NM

Phone: (505) 324-4145

Email address: LGRANILLO@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: 03/11/2024

Signature: Kenneth Rennick



DOWNHOLE COMMINGLE PROCEDURE AND ALLOCATION-NMOCD (2024)

Rosa Unit 149B
30-039-26599
1440' FNL & 335' FWL
Section 12, T31N, R06W
Rio Arriba, New Mexico
LAT: 36.917469° N LONG: -107.4219589° W
Mesaverde/Dakota

PROJECT OBJECTIVE:

Remove packer, run gyro survey, and, pending results, set a bridge plug above the Dakota perforations and a bridge plug below the Mesaverde perforations to isolate the Mancos formation during offset development. Once offset development is complete, remove bridge plugs and downhole commingle Mesaverde and Dakota.

WORKOVER PROCEDURE:

1. Hold safety meeting. MIRU workover rig. Place fire and safety equipment in strategic locations. Comply with all LOGOS, BLM, and NMOCD rules and regulations.
2. Lay flow lines. Check and record casing and tubing pressures. Sell pressure down to line. Kill well if necessary.
3. Nipple down wellhead and nipple up BOP.
4. Release Mesaverde tubing string. Trip out of hole with Mesaverde tubing string and lay down.
5. Release Dakota tubing string. Trip out of hole with Dakota tubing string and lay down.
6. Run in hole with packer plucker to retrieve Model D Packer at 6150'. Trip out of hole with packer plucker assembly and string.
7. Rig up wireline to run gyro survey. Based on results of gyro survey, if necessary for new well drilling, set bridge plug within 50' of the top Dakota perforation. Set a second bridge plug within 50' below the Mesaverde perforations.
8. SI well for offset drilling.
9. Once offset drilling is complete, trip in hole and mill out bridge plugs and push to bottom.
10. Run in hole with single 2-3/8" production tubing string.
11. Return to production as a Mesaverde/Dakota commingle.

PRODUCTION ALLOCATION

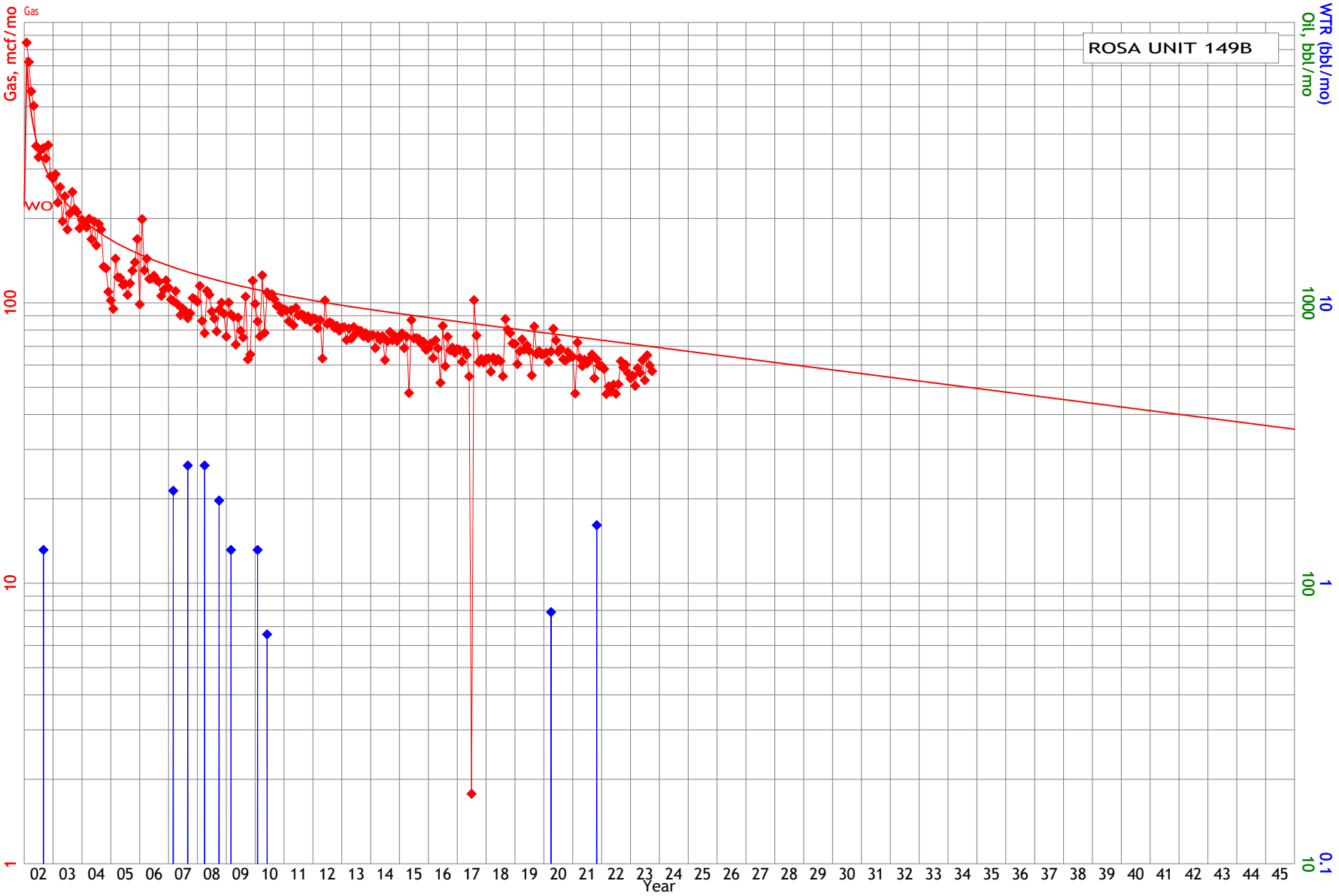
Historic production data from both zones in this well was gathered and analyzed. Historical and forecasted rates were used to determine allocations due to a failure that impacted production potential and cumulative allocation accuracy.

Production Rates

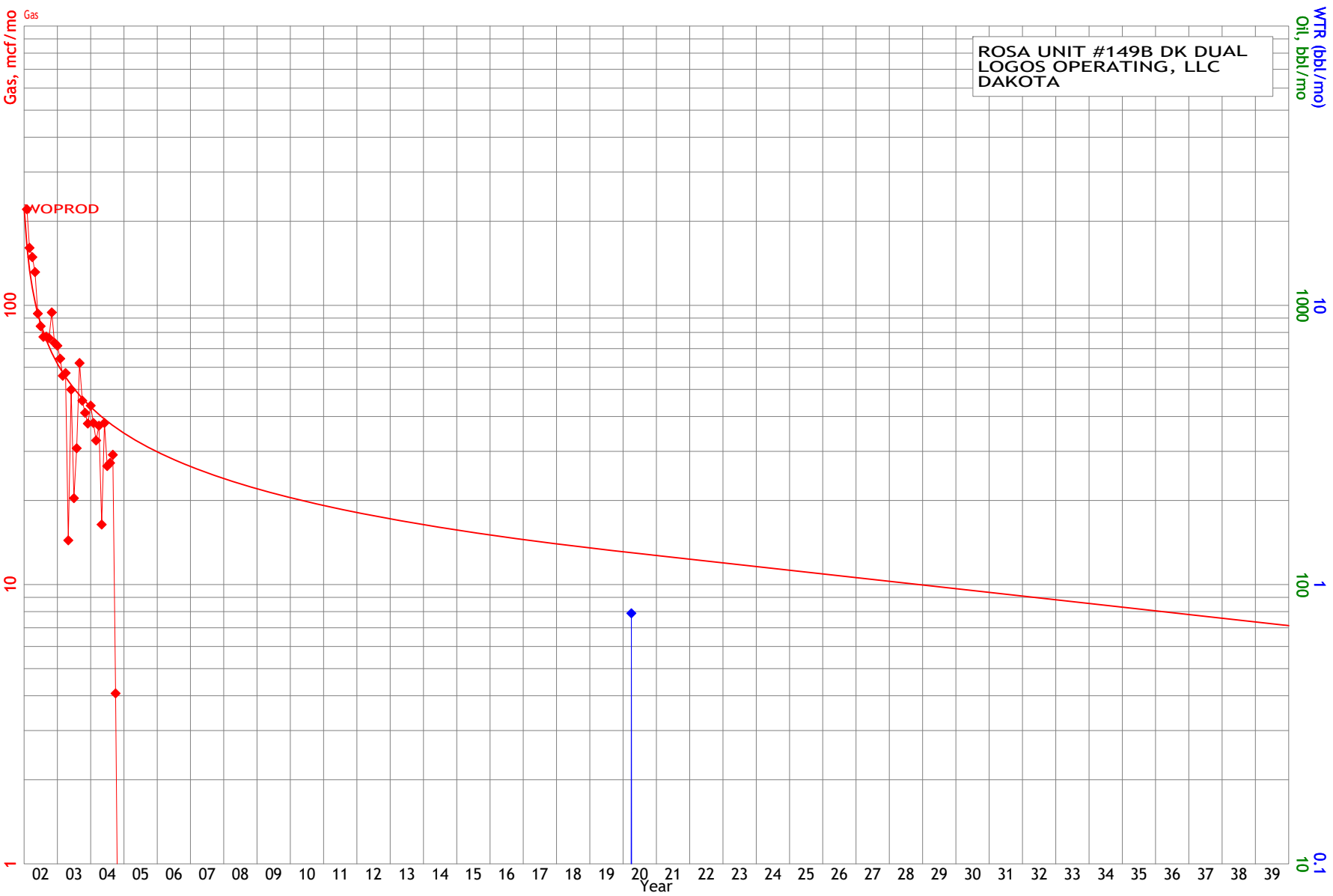
Total Production Rate	71 Mcfpd
Mesaverde Production Rate	58 Mcfpd
Dakota Production Rate	13 Mcfpd

MV allocation = MV rate/total rate = 58/71 = **81.7%**

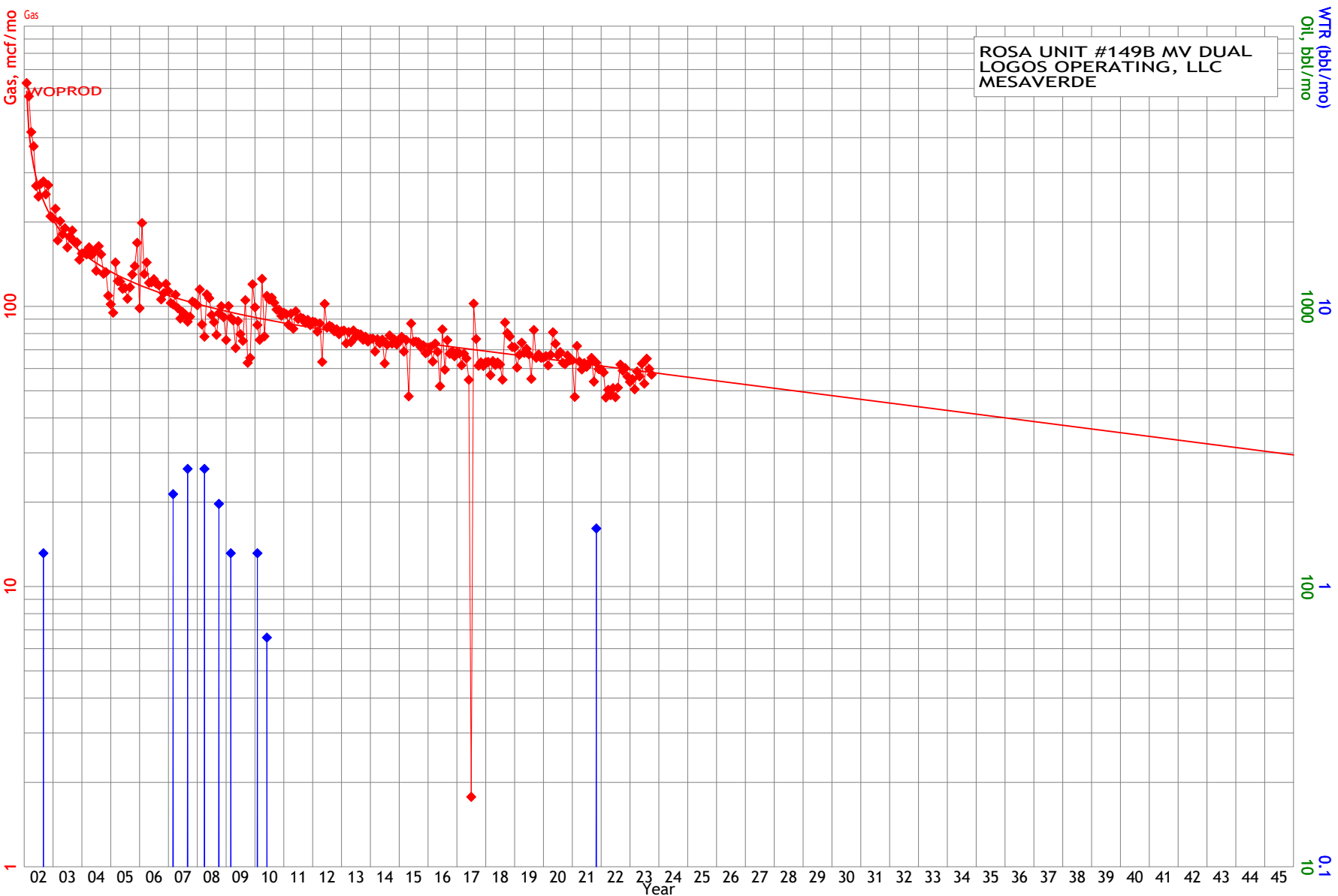
DK allocation = DK rate/total rate = 13/71 = **18.3%**



Gas, mcf/mo	—	Oil, bbl/mo	◆◆◆	WTR (bbl/mo)	◆◆◆
Calc=	WO	Ref=	10/2023	Ref=	10/2023
Rem=	866608	Cum=	0	Cum=	503
EUR=	1651544				
Yrs=	96.417				



Gas, mcf/mo	—	Oil, bbl/mo	◆◆◆	WTR (bbl/mo)	◆◆◆
Qual=	WOPROD	Ref=	1/2021	Ref=	1/2021
Ref=	1/2021	Cum=	0	Cum=	24
Cum=	63524				
Rem=	144928				
EUR=	208452				
Yrs=	99.167				
Qi=	12.7				
b=	0.000000				
De=	3.000000				
Qab=	0.6				



Gas, mcf/mo	—	Oil, bbl/mo	◆	WTR (bbl/mo)	◆
Qual=	WOPROD	Ref=	10/2023	Ref=	10/2023
Ref=	10/2023	Cum=	0	Cum=	479
Cum=	790842				
Rem=	652250				
EUR=	1443092				
Yrs=	90.750				
Qi=	58.1				
b=	0.000000				
De=	3.000000				
Qab=	3.7				

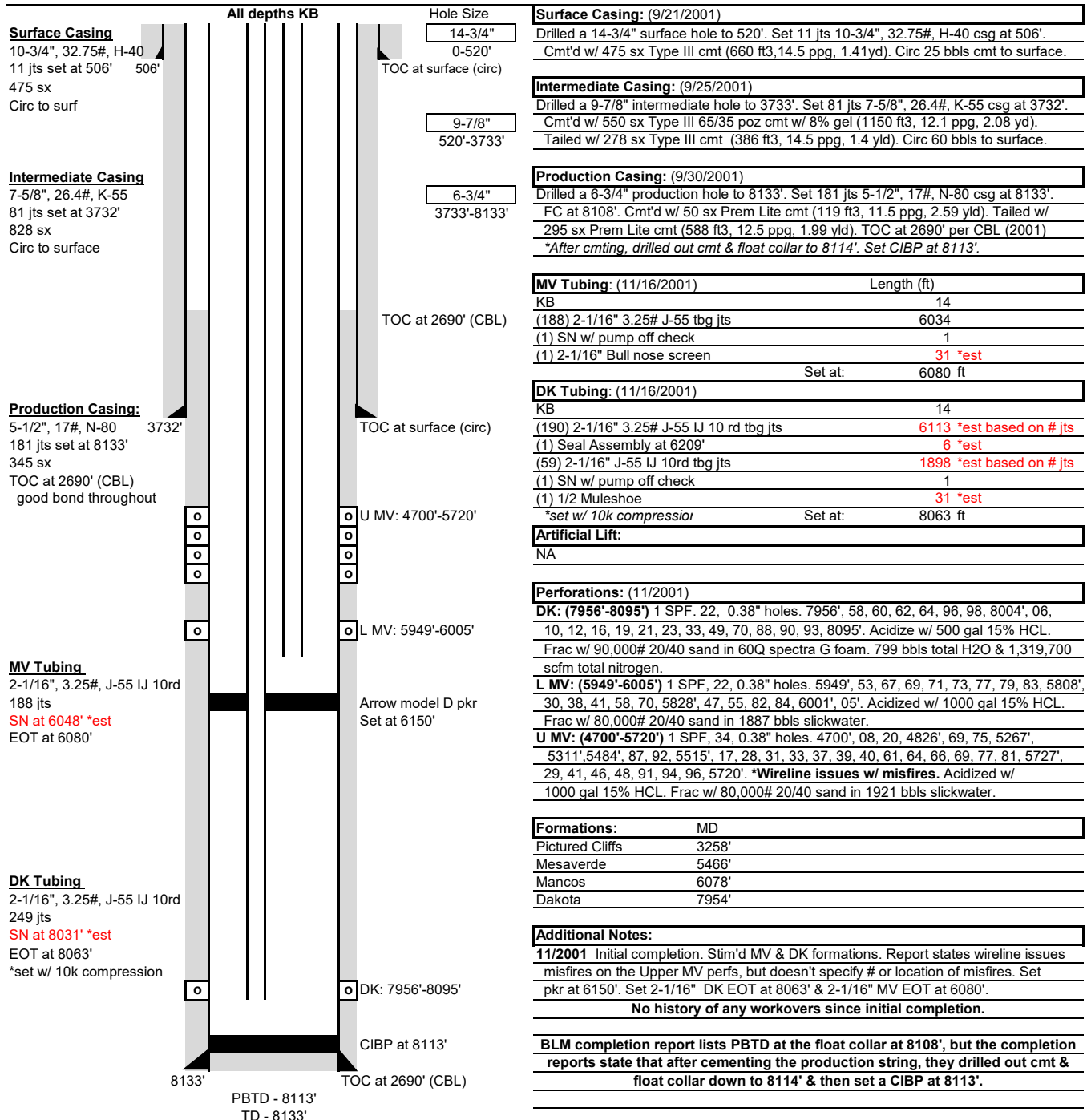


Wellbore Schematic

Well Name: Rosa Unit 149B
 Location: E-12-31N-06W 1440' FNL & 335' FWL
 County: Rio Arriba, NM
 API #: 30-039-26599
 Co-ordinates: Lat 36.917469, Long -107.4219589 NAD83
 Elevations: GROUND: 6421'
 KB: 6435'
 Depths (KB): PBDT: 8113'
 TD: 8133'

Date Prepared: 2/7/2024 Moss
 Reviewed By: 2/13/2024 Peace
 Last Updated:
 Spud Date: 9/19/2001
 Completion Date: 11/17/2001
 Last Workover Date: N/A

VERTICAL WELLBORE



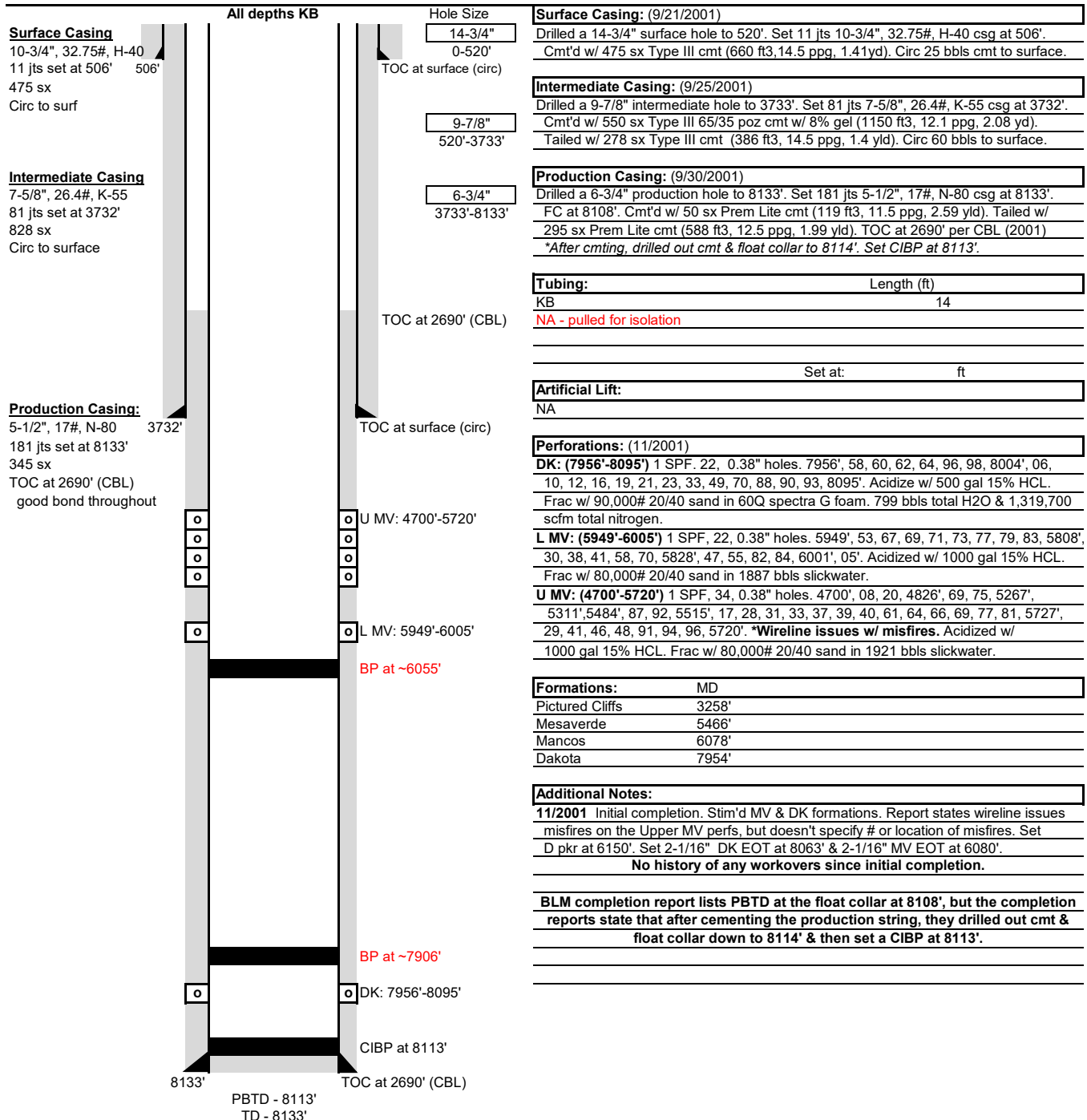


Proposed Isolation Wellbore Schematic

Well Name: Rosa Unit 149B
 Location: E-12-31N-06W 1440' FNL & 335' FWL
 County: Rio Arriba, NM
 API #: 30-039-26599
 Co-ordinates: Lat 36.917469, Long -107.4219589 NAD83
 Elevations: GROUND: 6421'
 KB: 6435'
 Depths (KB): PBDT: 8113'
 TD: 8133'

Date Prepared: 2/7/2024 Moss
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 Last Updated:
 Spud Date: 9/19/2001
 Completion Date: 11/17/2001
 Last Workover Date: N/A

VERTICAL WELLBORE



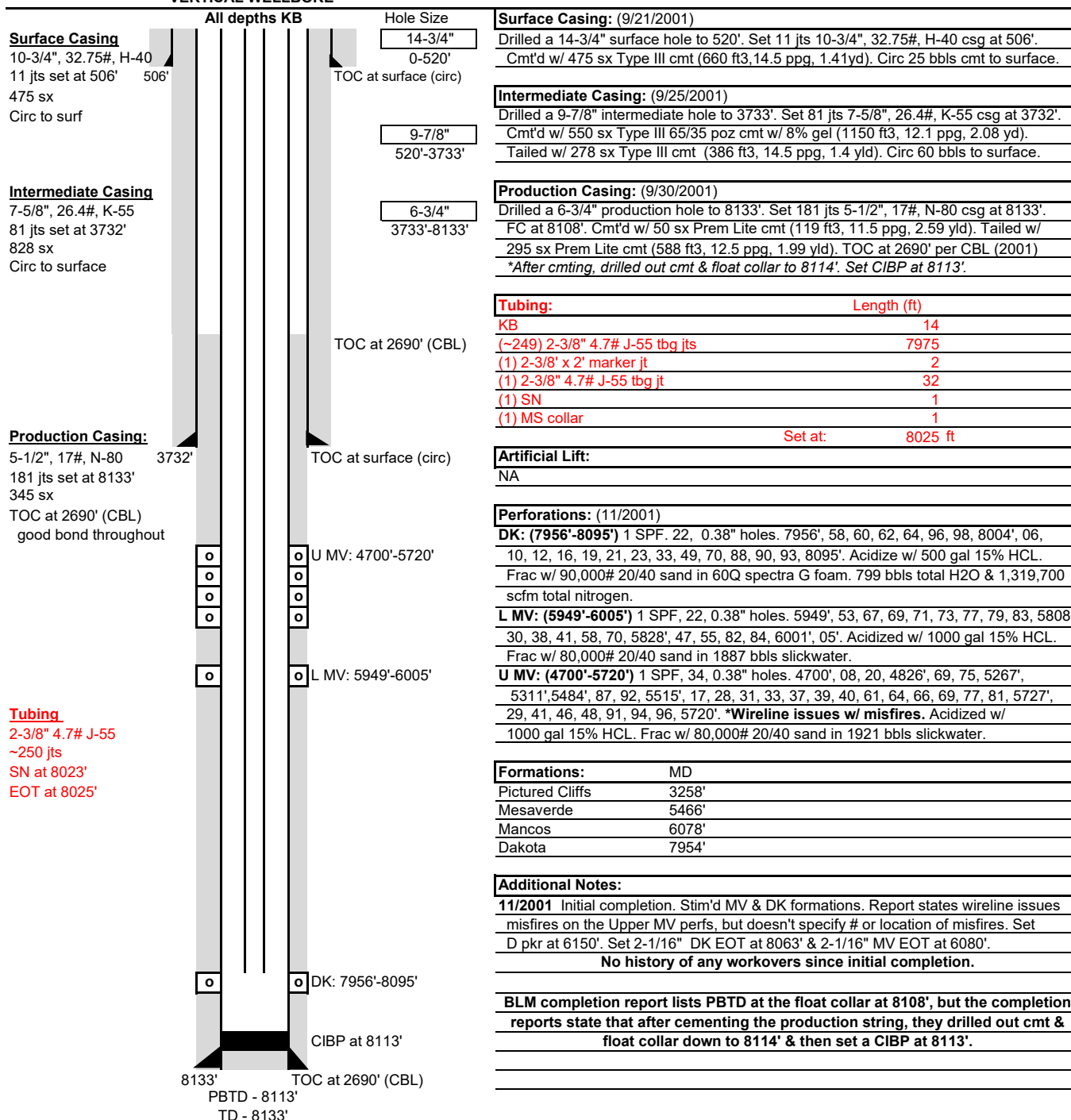


Proposed Downhole Commingle Wellbore Schematic

Well Name: Rosa Unit 149B
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 Elevations: GROUND: 6421'
 KB: 6435'
 Depths (KB): PBTD: 8113'
 TD: 8133'

Date Prepared: 2/7/2024 Moss
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 Last Updated:
 Spud Date: 9/19/2001
 Completion Date: 11/17/2001
 Last Workover Date: N/A

VERTICAL WELLBORE



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 322085

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 322085
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	Logos is approved to isolate the formations only. Once isolated, Logos shall submit a SR for the work. Prior to altering the well construction again [removing the bridge plug(s)], Logos shall submit a new NOI seeking that approval.	3/28/2024