

Well Name: ROSA UNIT	Well Location: T31N / R5W / SEC 8 / NESW / 36.911041 / -107.38829	County or Parish/State: RIO ARRIBA / NM
Well Number: 80	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078763	Unit or CA Name: ROSA UNIT--DK, ROSA UNIT--MV	Unit or CA Number: NMNM78407A, NMNM78407B
US Well Number: 3003922537	Well Status: Producing Gas Well	Operator: LOGOS OPERATING LLC

Notice of Intent

Sundry ID: 2778438

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 03/07/2024	Time Sundry Submitted: 01:11
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 nearby Mancos Drilling. Once drilling is complete, LOGOS will remove bridge plugs and downhole commingle Mesaverde and Dakota.per the attached procedure.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

FOR_REGULATORY__Rosa_Unit_80___Commingle_Allocation_Procedure_final_20240307131048.pdf

Received by OCD: 3/11/2024 11:02:35 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 01:11 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 80

30-039-22537

1660' FSL & 1780' FWL

Section 8, T31N, R05W

Rio Arriba, New Mexico

LAT: 36.9112473° N LONG: -107.3886337° W

Mesaverde/Dakota

PROJECT OBJECTIVE:

Remove packer and run gyro survey and pending results, set a bridge plug below the Mesaverde & above the Dakota perforations and load hole to isolate the perforations during offset Mancos drilling. Once drilling 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 as 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 5900'. Trip out of hole with packer plucker assembly and workstring.
7. Run gyro survey to determine the proximity of the well to the planned new drill.
8. If gyro results indicate the well is near enough to require isolation, set bridge plug within 50' above of the Dakota perforations and 50' below the Mesaverde. SI for drilling.
9. Once drilling is completed, trip in hole and remove the bridge plugs.
10. Run in hole with single 2-3/8" production tubing string.
11. Return to production as a Mesaverde/Dakota commingle.

LOGOS Operating, LLC
Rosa Unit 080
Commingle
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PRODUCTION ALLOCATION

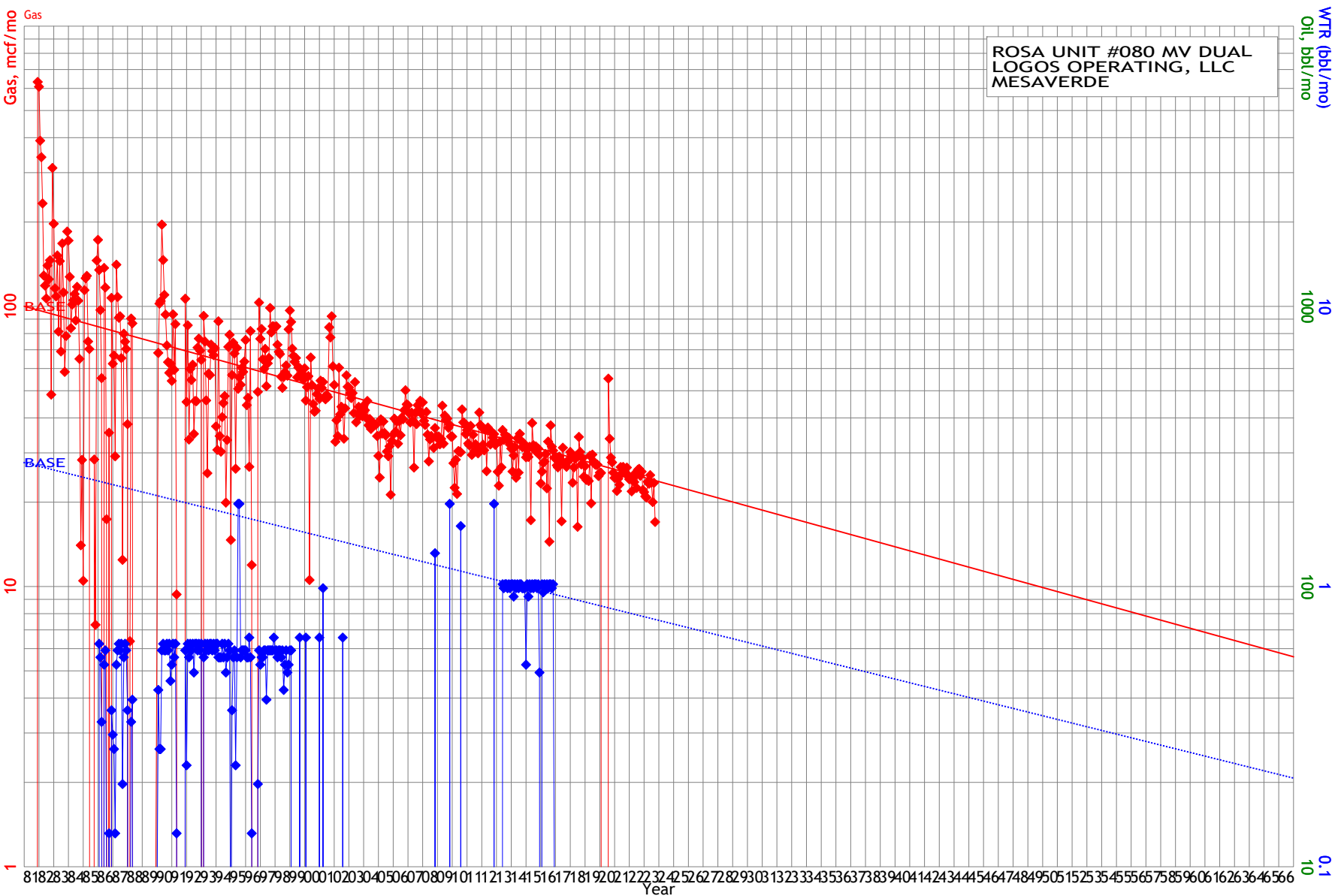
Historic production data from both zones in this well was gathered and analyzed. Cumulative production was used to determine allocations and allocations were verified with recent production history.

Cumulative Production

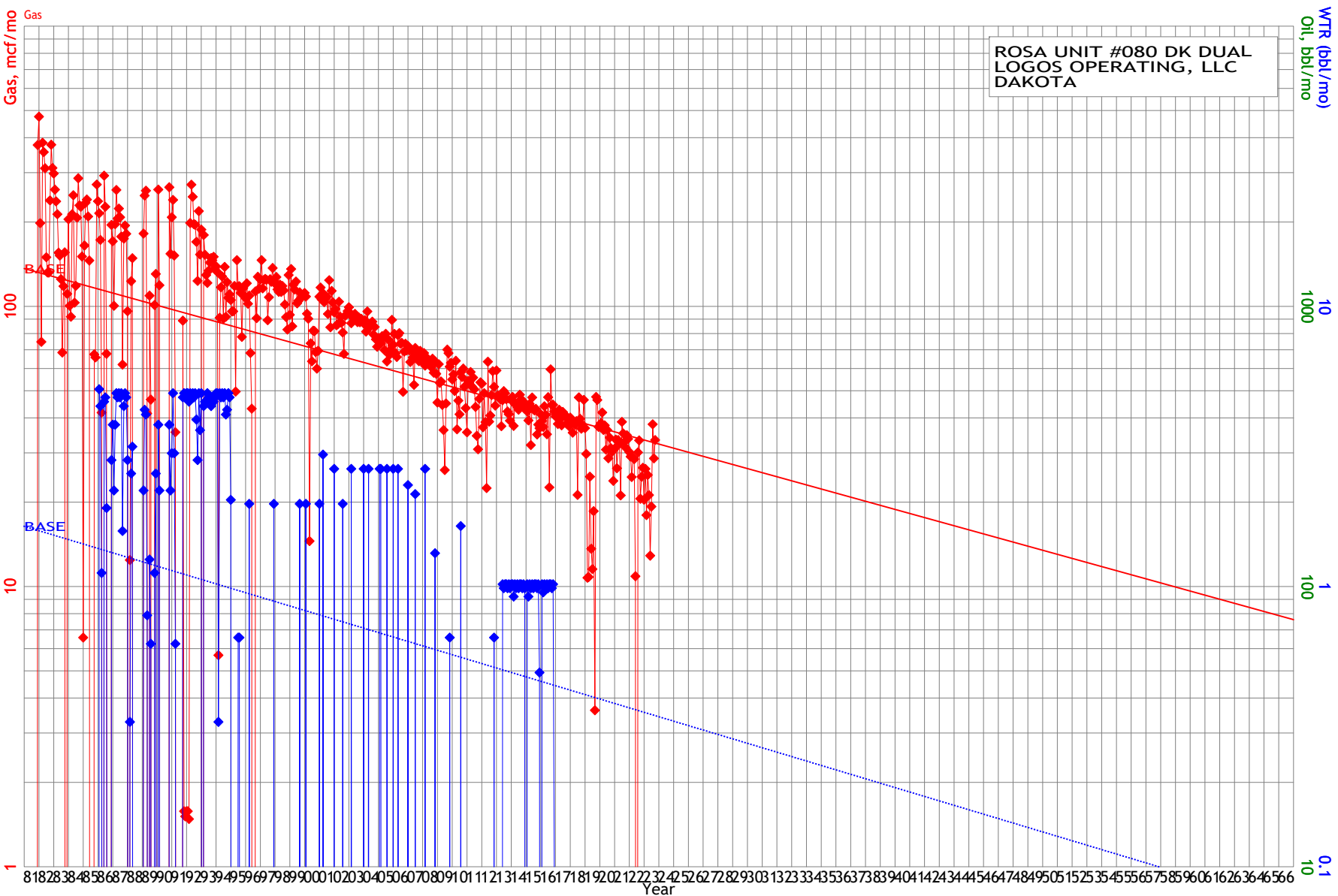
Cumulative production from well	2057.5 MMcf
Cumulative MV production	768.9 MMcf
Cumulative DK production	1288.6 MMcf

MV allocation = MV cumulative/total cumulative = $768.9/2057.5 = 37\%$

DK allocation = DK cumulative /total cumulative = $1288.6/ = 63\%$



Gas, mcf/mo	Oil, bbl/mo	WTR (bbl/mo)
Qual= BASE	Qual= BASE	Qual= BASE
Ref= 10/2023	Ref= 10/2023	Ref= 10/2023
Cum= 768946	Cum= 3602	Cum= 3602
Rem= 249934	Rem= 8042	Rem= 8042
EUR= 1018880	EUR= 11644	EUR= 11644
Yrs= 96.000	Yrs= 67.917	Yrs= 67.917
Qi= 23.9	Qi= 0.8	Qi= 0.8
b= 0.000000	b= 0.000000	b= 0.000000
De= 3.294250	De= 2.970185	De= 2.970185
Qab= 1.0	Qab= 0.1	Qab= 0.1



Gas, mcf/mo	Oil, bbl/mo	WTR (bbl/mo)
Qual= BASE	Qual= 10/2023	Qual= BASE
Ref= 10/2023	Ref= 10/2023	Ref= 10/2023
Cum= 1288584	Cum= 11857	Cum= 11857
Rem= 340527	Rem= 3355	Rem= 3355
EUR= 1629111	EUR= 15212	EUR= 15212
Yrs= 98.083	Yrs= 93.417	Yrs= 93.417
Qi= 32.5	Qi= 0.3	Qi= 0.3
b= 0.000000	b= 0.000000	b= 0.000000
De= 3.299933	De= 3.574805	De= 3.574805
Qab= 1.2	Qab= 0.0	Qab= 0.0

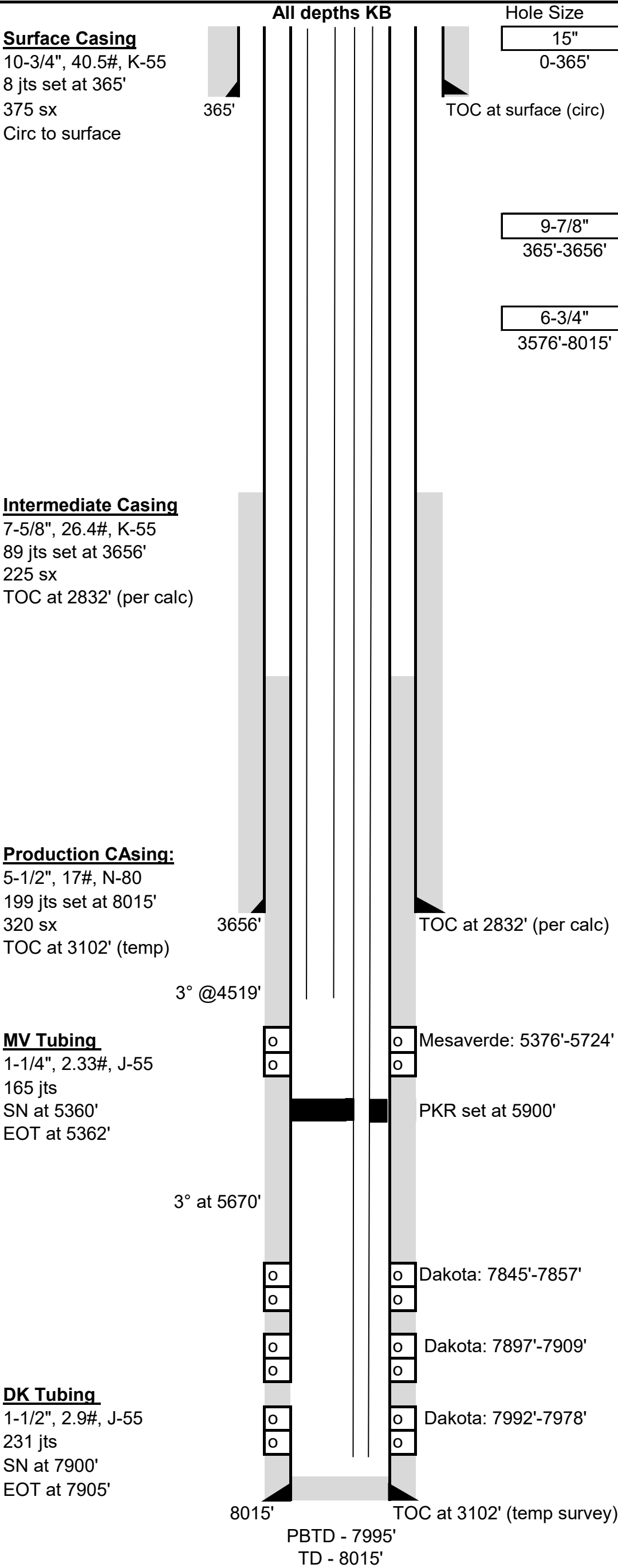


Wellbore Schematic

Well Name:	Rosa Unit 80		
Location:	K-08-31N-05W	1660' FSL & 1780' FWL	
County:	Rio Arriba, NM		
API #:	30-039-22537		
Co-ordinates:	Lat 36.9112473, Long -107.3886337 NAD83		
Elevations:	GROUND:	6261'	
	KB:	6275'	
Depths (KB):	PBTD:	7942'	
	TD:	8015'	

Date Prepared:	2/7/2024 Peace
Reviewed By:	2/14/2024 Moss
Last Updated:	
Spud Date:	11/22/1980
Completion Date:	3/19/1981
Last Workover Date:	

VERTICAL WELLBORE



Surface Casing: (11/22/1980)
Drilled a 15" surface hole to 365'. Set 8 jts 10-3/4", 40.5#, K-55 csg at 365'. Cmt'd w/ 375 sx Class B cmt). Circ 30 bbls to surface.

Intermediate Casing: (11/27/1980)
Drilled a 9-7/8" intermediate hole to 3656'. Set 89 jts 7-5/8",26.4#, K-55 csg at 3656'. Cmt'd w/ 150 sx 65/35 12% gel (12.4 ppg, 2.05 yd). Tailed w/ 75 sx Class B cmt (15.6 ppg, 1.171 yld). Left 120' of cmt left in pipe. TOC at 2832' (per calc)

Production Casing: (12/4/1980)
Drilled a 6-3/4" production hole to 8015'. Set 199 jts 5-1/2", 17#, N-80 csg at 8015'. Cmt'd w/ 220 sx Class B w/ 8% gel (12.7 ppg, 2.14 yld). Tailed w/ 100 sx Class B (15.6ppg, 1.171 yld). Circ 12 bbls. TOC at 3102' (temp survey).

MV Tubing: (08/2000)	Length (ft)
KB	14
(165) 1-1/4 2.33# J-55 IJ	5340
(1) SN	1
(1) Perf'd joint	7
Set at:	5362 ft

DK Tubing: (08/2000)	Length (ft)
KB	14
(172) 1-1/2" 2.9# J-55 EUE	5842
Seal assembly	10
(2) Sub joints (3', 4')	7
(59) 1-1/2" 2.9# J-55	2020
(1) SN	1
(1) 1/2 MS collar	5
Set at:	7906 ft

Artificial Lift:
N/A

Perforations: (1/1981)
MV: (5376'-5724') - 30, 0.37" holes, 1-2 spf. Acidized w/ 1000 gal 7-1/2% HCL. Frac w/ 80,000# 20/40 sand.

DK: (7845'-7857', 7897'-7909', 7992'-7978') - 30, .0.37" holes, 2spf. Acidized w/ 500 gal 15% HCL. Frac w/ 40,020 gal slickwater & sanded off with 81360# of 20/40 in perms.

Formations:	MD		
Kirtland	2476'	Mancos	6020'
Fruitland	2893'	Gallup	6385'
Pictured Cliffs	3089'	Greenhorn	7652'
Cliffhouse	5276'	Dakota	7845'
Point Lookout	5606'		

Additional Notes:
3/1981 Drilled and completed this well as a dual MV/DK. Landed MV 1-1/4" tbg at 5362' & DK 1-1/2" tbg at 7906'.

No record of any workovers since completion.
Max deviation is 3°



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Reviewed By:	2/14/2024	Moss
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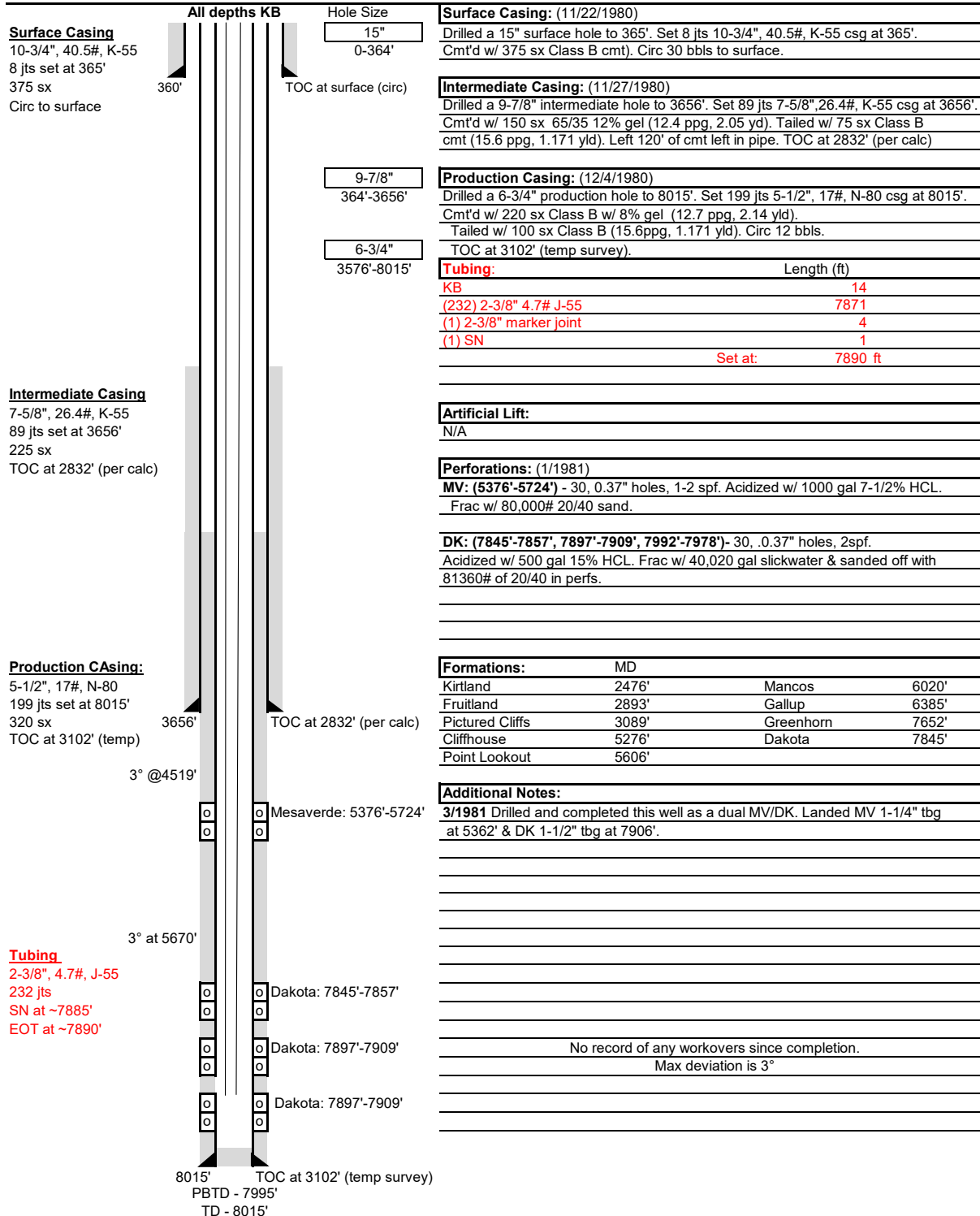


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 Last Updated:
 Spud Date: 11/22/1980
 Completion Date: 3/19/1981
 Last Workover Date:

PROPOSED WELLBORE SCHEMATIC



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 322081

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 322081
	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