

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	Operator: LOGOS OPERATING LLC	

Notice of Intent

Sundry ID: 2786453

Type of Submission: Notice of Intent

Type of Action: Workover Operations

Date Sundry Submitted: 04/23/2024

Time Sundry Submitted: 12:30

Date proposed operation will begin: 04/23/2024

Procedure Description: DO CIBP Well was isolated with CIBP @ 7795' on 4/5/24 due to pad 24 development. LOGOS Operating, LLC request to drill out bridge plug and return well to production as a Mesaverde/Dakota commingle. See attached operations procedure.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

NOI_DO_CIBP__FOR_REGULATORY__Rosa_Unit_80__Commingle_Allocation_Procedure_final__Copy_2
0240423122913.pdf

Rosa_Unit_80_Isolation_Wellbore_Schematic_20240423122904.pdf

Well Name: ROSA UNIT

Well Location: T31N / R5W / SEC 8 /
NESW / 36.911041 / -107.38829

County or Parish/State: RIO
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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

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: LACEY GRANILLO

Signed on: APR 23, 2024 12:30 PM

Name: LOGOS OPERATING LLC

Title: REGULATORY SPECIALIST

Street Address: 2010 AFTON PLACE

City: FARMINGTON State: 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: 04/23/2024

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
Page 2 of 2

PRODUCTION ALLOCATION

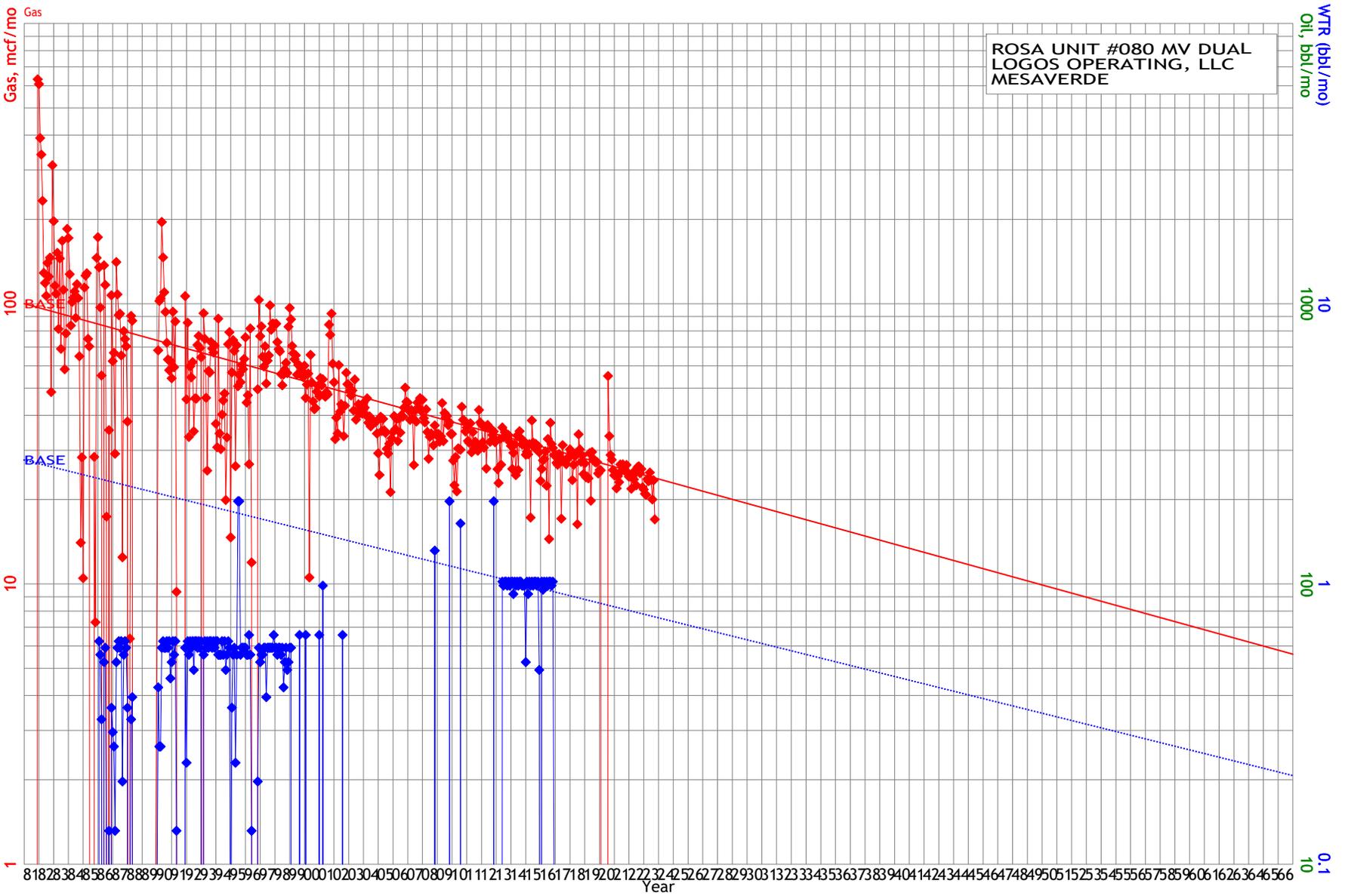
Historic production data from both zones in this well was gathered and analyzed. Cumulative production was used to determine allocations and allocations were verified with recent production history.

Cumulative Production

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

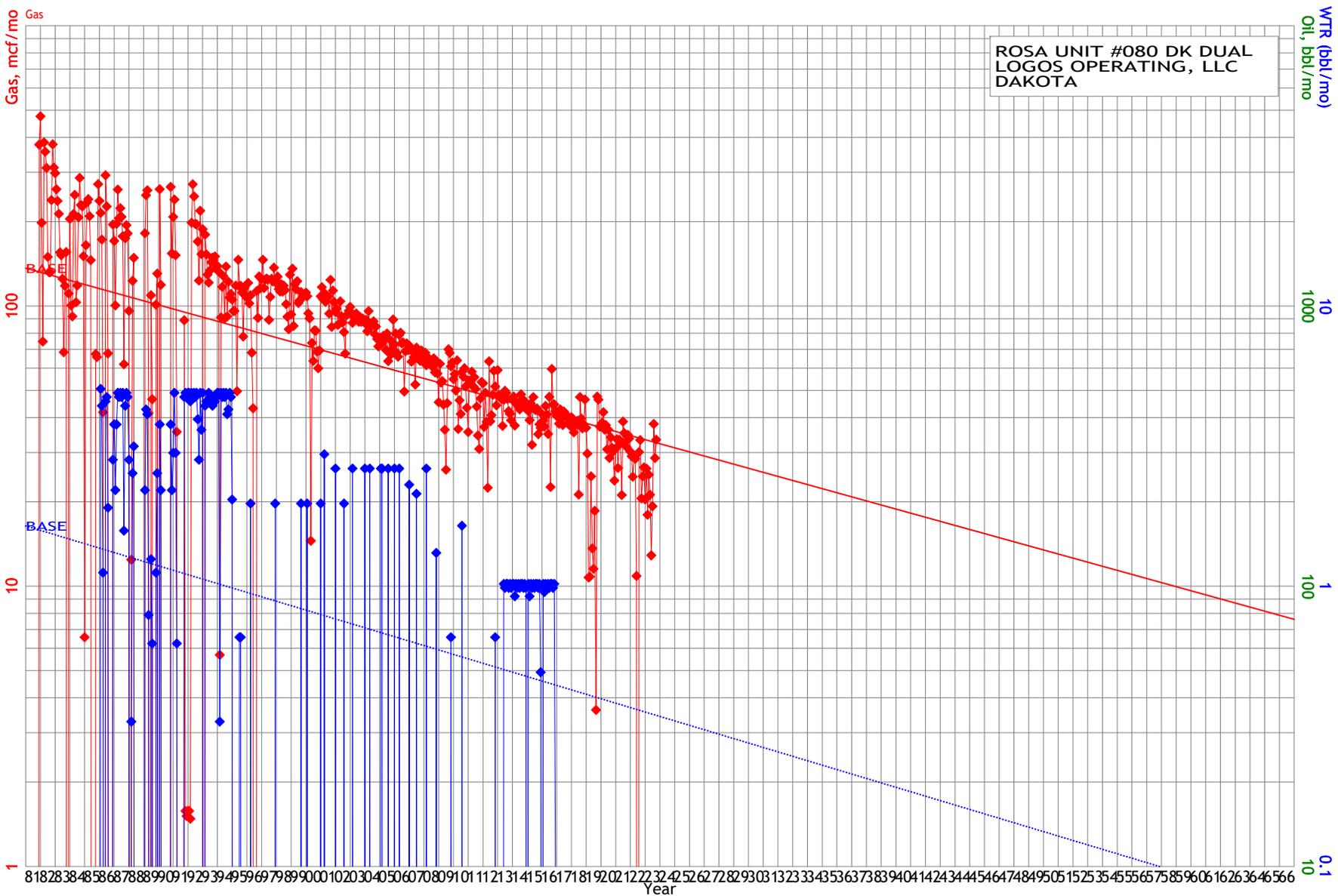
MV allocation = MV cumulative/total cumulative = 768.9/2057.5 = **37%**

DK allocation = DK cumulative /total cumulative = 1288.6/ =**63%**



ROSA UNIT #080 MV DUAL
LOGOS OPERATING, LLC
MESAVERDE

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



ROSA UNIT #080 DK DUAL
LOGOS OPERATING, LLC
DAKOTA

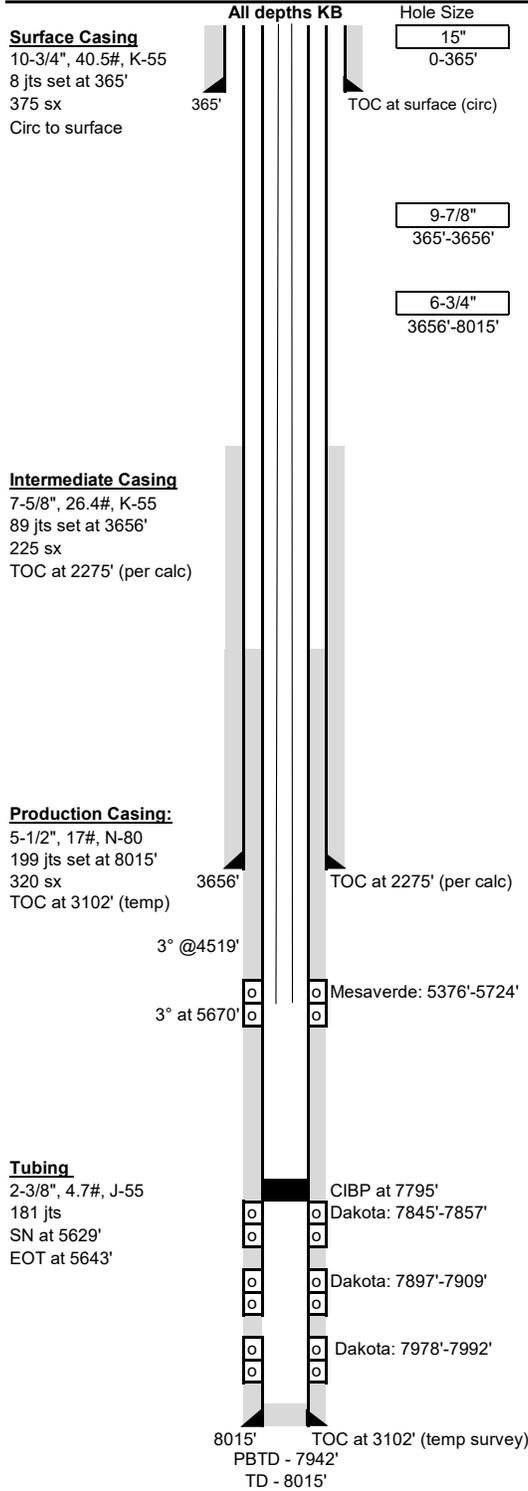
Gas, mcf/mo	Oil, bbl/mo	WTR (bbl/mo)
Qual= BASE	Ref= 10/2023	Qual= BASE
Ref= 10/2023	Cum= 0	Ref= 10/2023
Cum= 1288584		Cum= 11857
Rem= 340527		Rem= 3355
EUR= 1629111		EUR= 15212
Yrs= 98.083		Yrs= 93.417
Qi= 32.5		Qi= 0.3
b= 0.000000		b= 0.000000
De= 3.299933		De= 3.574805
Qab= 1.2		Qab= 0.0



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): PBDT: 7942'
 TD: 8015'

Date Prepared: 2/7/2024 Peace
 Reviewed By: 2/14/2024 Moss
 Last Updated: 4/12/2024 Peace
 Spud Date: 11/22/1980
 Completion Date: 3/19/1981
 Last Workover Date: 4/1/2024



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 2275' (per calc, 75% effcy)

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).

Tubing:	Length (ft)
KB	14
(180) 2-3/8" 4.7# J-55 jts	5595
(1) 2-3/8" marker joint	2
(1) 2-3/8" 4.7# J-55 tbg jt	30.82
(1) SN	1
(1) MS collar	0.4
Set at:	5643 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'.
4/2024 Commingle/Wellbore Isolation- LD 1-1/4" & 1-1/2" tbg string. Set CIBP at 7795'
 (50' above DK perf). Landed tbg at 5643'. SI well for pad 24 development.

Max deviation is 3°

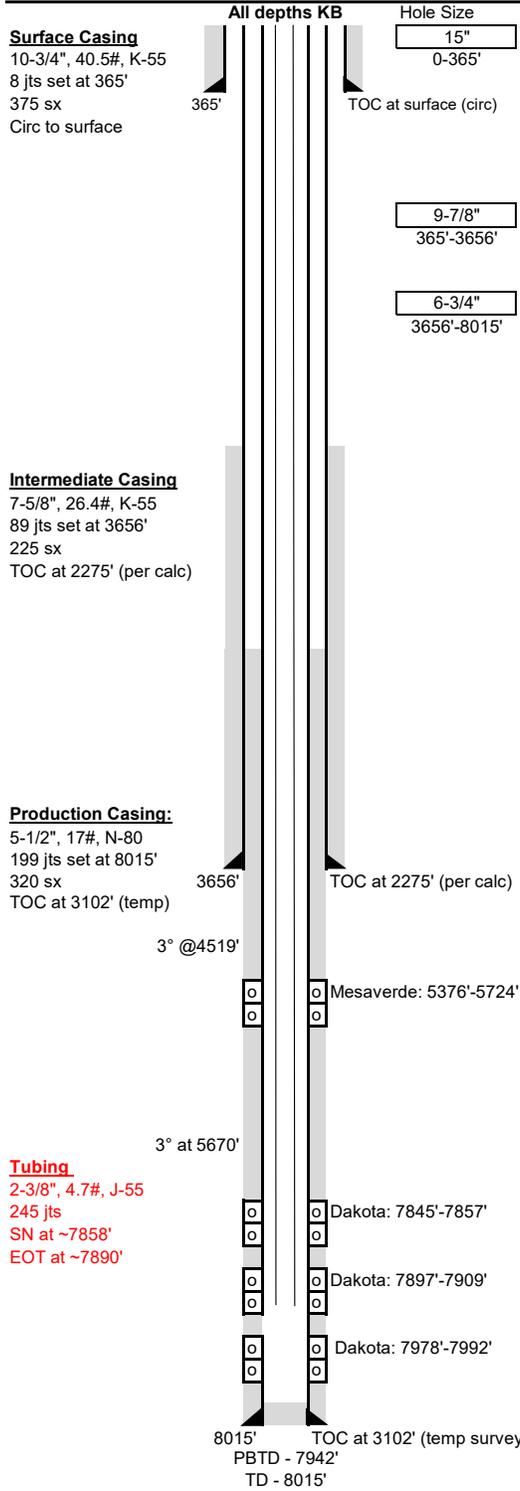


Wellbore Schematic

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 Elevations: GROUND: 6261'
 KB: 6275'
 Depths (KB): PBDT: 7942'
 TD: 8015'

Date Prepared: 4/26/2024 Peace
 Reviewed By: 2/14/2024 Moss
 Last Updated: _____
 Spud Date: 11/22/1980
 Completion Date: 3/19/1981
 Last Workover Date: _____

PROPOSED WELLBORE SCHEMATIC



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'.
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Intermediate Casing: (11/27/1980)
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 Cmt'd w/ 150 sx 65/35 12% gel (12.4 ppg, 2.05 yd). Tailed w/ 75 sx Class B
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 Tailed w/ 100 sx Class B (15.6ppg, 1.171 yld). Circ 12 bbls.
 TOC at 3102' (temp survey).

Tubing:	Length (ft)
KB	14
(244) 2-3/8" 4.7# J-55 jts	7840
(1) 2-3/8" marker joint	2
(1) 2-3/8" 4.7# J-55 tbg jt	32
(1) SN	1
(1) MS collar w/ exp check	1
Set at:	7890 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.
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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°

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 338031

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 338031
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
dmcclore	None	4/26/2024