eceined by Och: 2/6/2023 1:29:40 P	State of field interfield		DHC-5279	Form C-103 ¹ of evised July 18, 2013
<u>District I</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and Natural Resources OIL CONSERVATION DIVISION 1220 South St. Francis Dr.		WELL API NO.	
<u>District II</u> – (575) 748-1283 811 S. First St., Artesia, NM 88210			30-039-25. 5. Indicate Type of Lease	
<u>District III</u> – (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410				FEE
<u>District IV</u> – (505) 476-3460	Santa Fe, NM 8'	7505	6. State Oil & Gas Lease	
1220 S. St. Francis Dr., Santa Fe, NM 87505			E0-0347-0	066
SUNDRY NOTION (DO NOT USE THIS FORM FOR PROPOSE)	CES AND REPORTS ON WELLS		7. Lease Name or Unit A	greement Name
DIFFERENT RESERVOIR. USE "APPLIC PROPOSALS.)	ROSA UNIT			
	Gas Well 🛛 Other		8. Well Number 24A	
2. Name of Operator	OS OPERATING, LLC		9. OGRID Number 2894	108
3. Address of Operator			10. Pool name or Wildca	
	ACE, FARMINGTON NM 87401		BLANCO MESAVERDE / BA	SIN DAKOTA
4. Well Location Unit Letter E: 1	695' feet from the NORTH	line and 1	165' feet from the W	EST line
Section 32	31N Township 05V		NMPM Rio Arriba	County
	11. Elevation (Show whether DR			
	650)5'		
12. Check A	appropriate Box to Indicate N	lature of Notice,	Report or Other Data	
NOTICE OF IN	TENTION TO:	SUB	SEQUENT REPORT	OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	K 🗌 ALTER	RING CASING
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRI		Α 🗆
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMENT	T JOB 📙	
DOWNHOLE COMMINGLE CLOSED-LOOP SYSTEM				
OTHER:		OTHER:		
	eted operations. (Clearly state all rk). SEE RULE 19.15.7.14 NMA ompletion.			
Pre-approved Pool Division Pools to be commingled:Bla Perforated Intervals: Blanco Mesaverde: 5291' Basin Dakota: 7976' - 813	anco Mesaverde (72319) and Basin - 6104'	Dakota (71599).		
	based upon production data 45% I	Blanco Mesaverde ar	nd 54% Basin Dakota. This	is based upon the
	he Mesaverde and Dakota product	ion zones within the	well.	
Commingling will not reduce	ce the value of reserves. ng unit have not been notified of th	a intent of the down	hala commingle ner order I	2 12001
interest owners in the spacin	ig unit have not been notified of th	e intent of the down	niole commingle per order i	X-12991.
Sand Date	D:- D-1 D	-4		
Spud Date:	Rig Release D	ate:		
I hereby certify that the information a	above is true and complete to the b	est of my knowledge	e and belief.	
SIGNATURE <u>Eta Trujillo</u>	TITLE <u>Re</u> s	gulatory Specialist	DATE <u>2/6/20</u>	23
Type or print name <u>Etta Trujillo</u> For State Use Only	E-mail address: <u>etrujil</u>	lo@logosresourcesll	lc.com PHONE: _(505).	324-4154
APPROVED BY: Dean R Conditions of Approval (if any):	Mollure_TITLE_Petrol	eum Engineer		22/2023

CONDITIONS OF APPROVAL

If an alteration is made to the Well or a condition within the Well changes which may cause the allocation of production to the Pools as approved within this Permit to become inaccurate, then no later than sixty (60) days after that event, the Operator shall submit Form C-103 to the OCD Engineering Bureau describing the event and include a revised allocation plan. If OCD denies the revised allocation plan, this Permit shall terminate on the date of such action.

If the downhole commingling of the Pools reduces the value of the oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred the Operator shall submit a new downhole commingling application to OCD to amend this Permit to remove the pool that caused the decrease in value. If the Operator fails to submit a new application, this Permit shall terminate on the following day, and if OCD denies the application, this Permit shall terminate on the date of such action.

If a completed interval of the Well is altered from what is submitted within this application, then no later than sixty (60) days after the alteration, the Operator shall submit Form C-103 to the OCD Engineering Bureau detailing the alteration and completed interval.

Prior to conducting the work, file a NOI with the workover procedure as a C-103G.



DOWNHOLE COMMINGLE PROCEDURE AND ALLOCATION-NMOCD (2023)

Rosa Unit 24A 30-039-25568 1695' FNL & 1165' FWL Section 32, T31N, R05W Rio Arriba, New Mexico LAT: 36.858654° N LONG: -107.3907013° W Mesaverde/Dakota

PROJECT OBJECTIVE:

Remove packer 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 6250'. Trip out of hole with packer plucker assembly and string.
- 7. Run in hole with single 2-3/8" production tubing string.
- 8. Return to production as a Mesaverde/Dakota commingle.

PRODUCTION ALLOCATION

Historic production data from both zones in this well was gathered and analyzed. Production rates from 2010 were used to determine allocations due to a failure that impacted production potential and cumulative allocation accuracy.

Cumulative Production

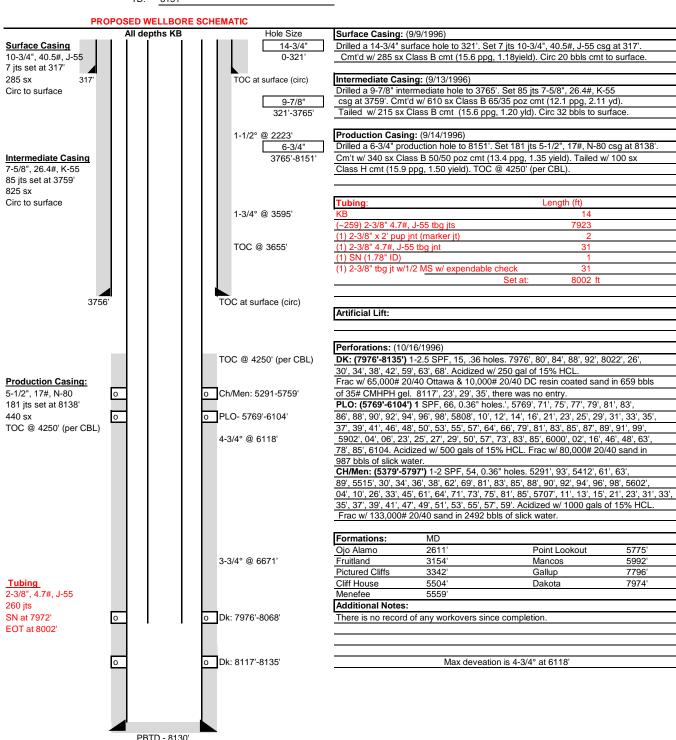
Total Production Rate 122 Mcfpd
Mesaverde Production Rate 56 Mcfpd
Dakota Production Rate 66 Mcfpd

MV allocation = MV rate/total rate = 56/122 = 45% DK allocation = DK rate /total rate = 66/122 = 54%



Wellbore Schematic

well Name:	Rosa Unit 024A	
Location:	E-32-31N-05W 169	5' FNL & 1165' FWL
County:	Rio Arriba, NM	
API#:	30-039-25568	
Co-ordinates:	Lat 36.858654, Long -	107.3907013 NAD83
Elevations:	GROUND:	6505'
	KB:	6519'
Depths (KB):	PBTD:	8130'
	TD·	8151'

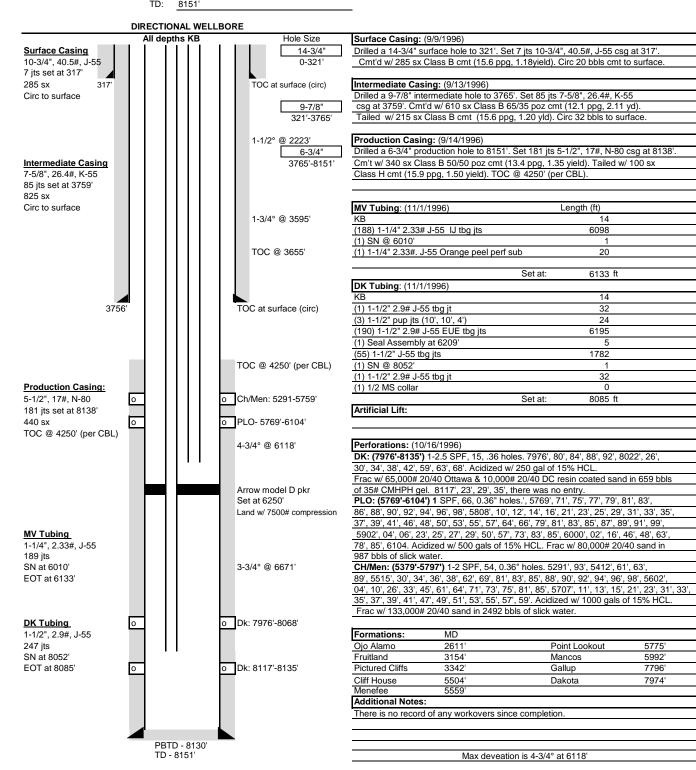


TD - 8151

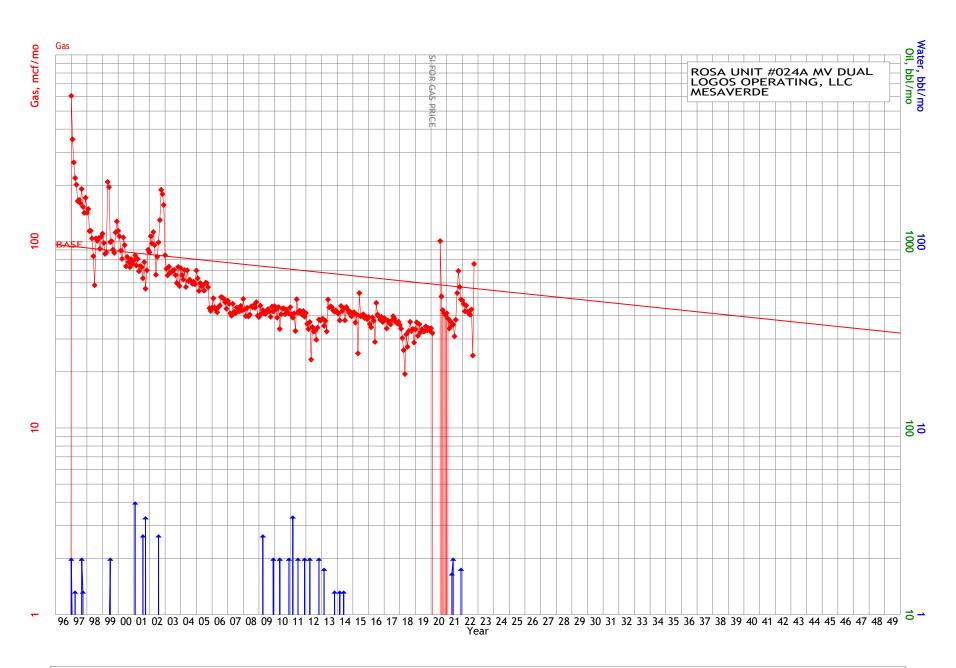


Wellbore Schematic

Well Name:	Rosa Unit 024A	
Location:	E-32-31N-05W 1695	' FNL & 1165' FWL
County:	Rio Arriba, NM	
API#:	30-039-25568	
Co-ordinates:	Lat 36.858654, Long -1	07.3907013 NAD83
Elevations:	GROUND:	6505'
	KB:	6519'
Depths (KB):	PBTD:	8130'
	TD:	0151'

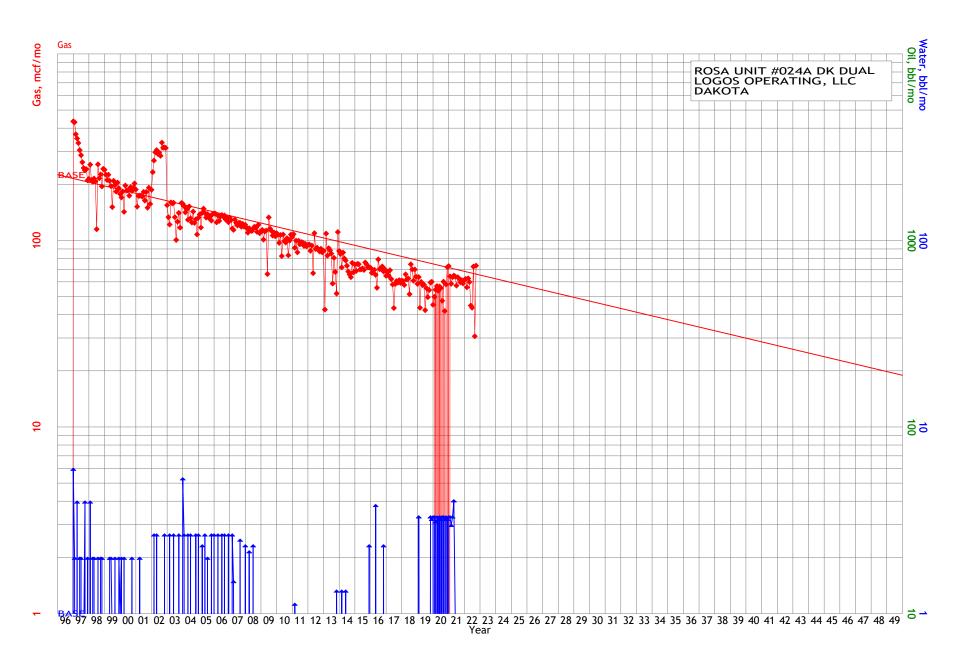


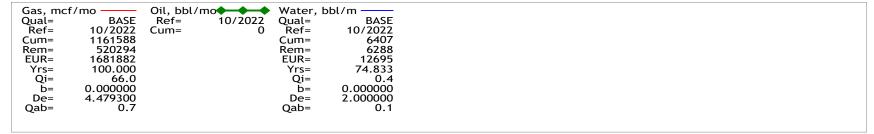
Received by OCD: 2/6/2023 1:29:40 PM



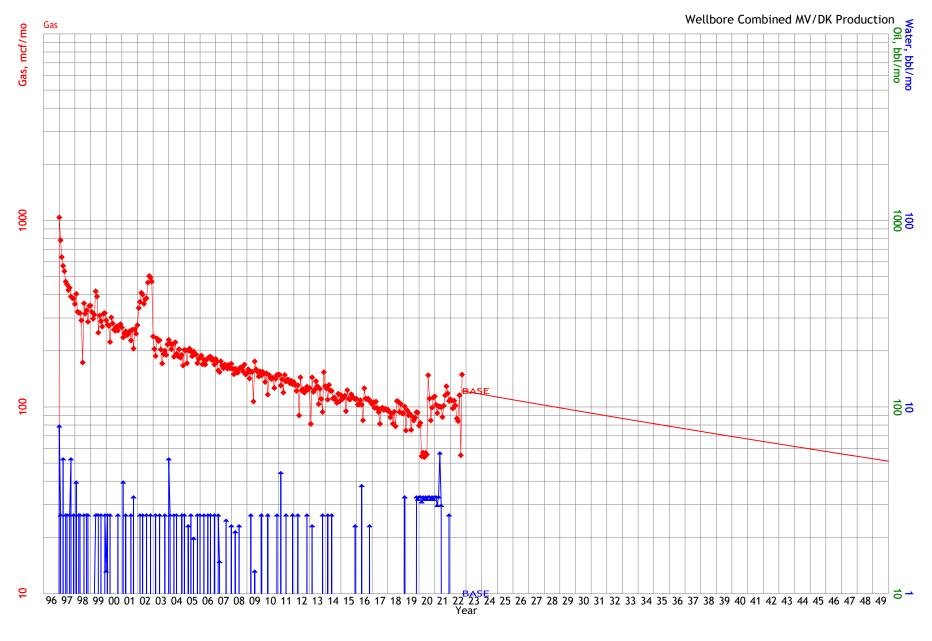


Received by OCD: 2/6/2023 1:29:40 PM





Received by OCD: 2/6/2023 1:29:40 PM



	as, mc			/mo ◆ ◆ ◆	Water,	bbl/m —
C: C: R: E	alc= Ref= ium= lem= EUR= Yrs=	BASE 10/2022 1741403 1397863 3139266 100.000	Ref= Cum=	10/2022	Calc= Ref= Cum= Rem= EUR= Yrs=	BASE 10/2022 8426 6290 14716 74.833

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

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 183118

CONDITIONS

Operator:	OGRID:
LOGOS OPERATING, LLC	289408
2010 Afton Place Farmington, NM 87401	Action Number: 183118
Taninigson, Time 1701	Action Type:
	[C-107] Down Hole Commingle (C-107A)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	Prior to conducting the work, file a NOI with the workover procedure as a C-103G.	2/22/2023
dmcclure	If an alteration is made to the Well or a condition within the Well changes which may cause the allocation of production to the Pools as approved within this Permit to become inaccurate, then no later than sixty (60) days after that event, the Operator shall submit Form C-103 to the OCD Engineering Bureau describing the event and include a revised allocation plan. If OCD denies the revised allocation plan, this Permit shall terminate on the date of such action.	2/22/2023
dmcclure	If the downhole commingling of the Pools reduces the value of the oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred the Operator shall submit a new downhole commingling application to OCD to amend this Permit to remove the pool that caused the decrease in value. If the Operator fails to submit a new application, this Permit shall terminate on the following day, and if OCD denies the application, this Permit shall terminate on the date of such action.	2/22/2023
dmcclure	If a completed interval of the Well is altered from what is submitted within this application, then no later than sixty (60) days after the alteration, the Operator shall submit Form C-103 to the OCD Engineering Bureau detailing the alteration and completed interval.	2/22/2023