eceined by Copy Po Appropriate District 0:20	State of New Mexico	Form C-103 ¹
Office District I – (575) 393-6161	Energy, Minerals and Natural Re	sources Revised July 18, 2013
1625 N. French Dr., Hobbs, NM 88240 District II – (575) 748-1283		WELL API NO. 30-039-26630
811 S. First St., Artesia, NM 88210	OIL CONSERVATION DIV	5 Indicate Type of Lease
<u>District III</u> – (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Francis D	r. STATE STATE FEE
<u>District IV</u> – (505) 476-3460	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505		E0-0347-0065
	CES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
	SALS TO DRILL OR TO DEEPEN OR PLUG BAC SATION FOR PERMIT" (FORM C-101) FOR SUC	
/	Gas Well 🛛 Other	8. Well Number 24B
2. Name of Operator	OS OPERATING, LLC	9. OGRID Number 289408
3. Address of Operator	55 OF ERATING, ELC	10. Pool name or Wildcat
	ACE, FARMINGTON NM 87401	BLANCO MESAVERDE / BASIN DAKOTA
4. Well Location		
Unit Letter <u>N</u> : 8	860' feet from the <u>SOUTH</u> lin	e and <u>1975'</u> feet from the <u>WEST</u> line
Section 32	31N Township 05W	Range NMPM Rio Arriba County
	11. Elevation (Show whether DR, RKB,	RT, GR, etc.)
	6518'	
12 Check A	ppropriate Box to Indicate Nature	of Notice Report or Other Data
		•
NOTICE OF IN		SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK TEMPORARILY ABANDON		EDIAL WORK ☐ ALTERING CASING ☐ IMENCE DRILLING OPNS.☐ P AND A ☐
PULL OR ALTER CASING		ING/CEMENT JOB
DOWNHOLE COMMINGLE	MOETH EL COMI E	NO/CEMENT JOB
CLOSED-LOOP SYSTEM		
OTHER:	□ ОТН	-
		nt details, and give pertinent dates, including estimated date
proposed completion or reco		Multiple Completions: Attach wellbore diagram of
proposed completion of reco	ompletion.	
Pre-approved Pool Division	Order R-11363.	
	anco Mesaverde (72319) and Basin Dakot	a (71599).
Perforated Intervals:	505 d	
Blanco Mesaverde: 4574' Basin Dakota: 7948' - 804		
		Mesaverde and 47% Basin Dakota. This is based upon the
	he Mesaverde and Dakota production zor	
Commingling will not reduce	ee the value of reserves.	
Interest owners in the spacin	ng unit have not been notified of the inten	t of the downhole commingle per order R-12991.
Spud Date:	Rig Release Date:	
II. 1 ('C-4) (4) 'C-4'	1 - ' 4 - 1 1 4 4 1 1 4 6	-1 -1 1 1 1 6
I hereby certify that the information	above is true and complete to the best of r	ny knowledge and belief.
SIGNATURE Cta Truji	illo TITLE Regulatory	Specialist DATE 2/6/2023
V		
Type or print name <u>Etta Trujillo</u> For State Use Only	E-man address: <u>etrujino@log</u>	osresourcesllc.com PHONE: (505) 324-4154
	Mollure TITLE Petroleum	Engineer DATE 02/23/2023
APPROVED BY:	TITLE	DATE OZIZOZO
Conditions of Approval (if any):		



DOWNHOLE COMMINGLE PROCEDURE AND ALLOCATION-NMOCD (2023)

Rosa Unit 24B 30-039-26630 860' FSL & 1975' FWL Section 32, T31N, R05W Rio Arriba, New Mexico LAT: 36.8512115° N LONG: -107.3879242° 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 if necessary.
- 3. Nipple down wellhead and nipple up BOP.
- 4. Release Mesaverde tubing string. Scan out of hole with Mesaverde tubing string, laying down joints as necessary.
- Release Dakota tubing string. Scan out of hole with Dakota tubing string, laying down joints as necessary.
- 6. Run in hole with packer plucker to retrieve Model B Packer at 6150'. Trip out of hole with packer plucker assembly and string.
- 7. Run in hole with single 2-1/16" 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 were used to determine allocations due to a failure that impacted production and cumulative allocation accuracy.

Cumulative Production

Total Expected Production Rate 134 Mcfpd MV Production Rate 71 Mcfpd DK Production Rate 63 Mcfpd

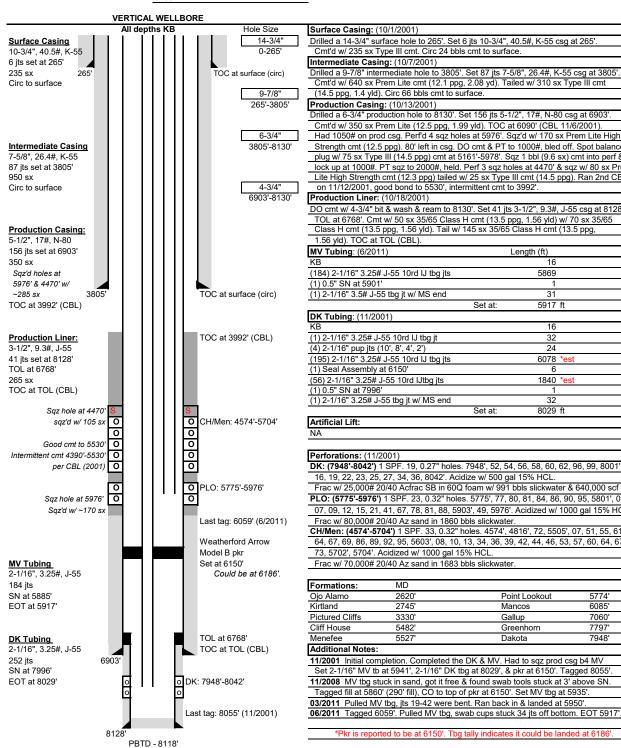
MV allocation = MV rate/total rate = 71/134 = **53**% DK allocation = DK rate /total rate = 63/134 = **47**%



Wellbore Schematic

Well Name:	Rosa Unit 24B	
Location:	N-32-31N-05W 860' F	FSL & 1975' FWL
County:	Rio Arriba, NM	
API#:	30-039-26630	
Co-ordinates:	Lat 36.8512115, Long -1	107.3879242 NAD1983
Elevations:	GROUND:	6518'
	KB:	6534'
Depths (KB):	PBTD:	8118'
	TD.	8130'

Date Prepared:	12/14/2022 Moss	
Reviewed By:	12/26/2022 Gomez	
Last Updated:		
Spud Date:	10/1/2001	
Completion Date:	11/22/2001	
Last Workover Date:	6/21/2011	



Surface Casing:	10/1/2001)		
Drilled a 14-3/4" su	urface hole to 265'. Set 6 jts	10-3/4", 40.5#, K-55 cs	g at 265'.
Cmt'd w/ 235 sx	Type III cmt. Circ 24 bbls cmt	to surface.	
Intermediate Cas			
	ermediate hole to 3805'. Set	87 its 7-5/8" 26 4# K-5	55 csg at 3805'
Cmt'd w/ 640 sx	Prem Lite cmt (12.1 ppg, 2.0	8 vd) Tailed w/ 310 sx	Type III cmt
(14.5 ppg. 1.4 yld). Circ 66 bbls cmt to surface	2 yay. Tamba 11, 010 ex	. ypo o
Production Casir		,	
		56 ito 5 1/2" 17# N 00	and at 6002'
	duction hole to 8130'. Set 15		
	Prem Lite (12.5 ppg, 1.99 yld		
	od csg. Perf'd 4 sqz holes at		
	5 ppg). 80' left in csg. DO cn		
	e III (14.5 ppg) cmt at 5161'-		
	PT sqz to 2000#, held. Perf		
	n cmt (12.3 ppg) tailed w/ 25		g). Ran 2nd Cl
	ood bond to 5530', intermitte	ent cmt to 3992'.	
Production Liner			
DO cmt w/ 4-3/4" b	oit & wash & ream to 8130'.	Set 41 jts 3-1/2", 9.3#, J	-55 csg at 812
TOL at 6768'. Cm	nt w/ 50 sx 35/65 Class H cm	nt (13.5 ppg, 1.56 yld) w	/ 70 sx 35/65
Class H cmt (13.	5 ppg, 1.56 yld). Tail w/ 145 s	x 35/65 Class H cmt (1	3.5 ppg,
1.56 yld). TOC at		,	
MV Tubing: (6/20		Length (ft)	
KB	: 1	16	
	# J-55 10rd IJ tbg jts	5869	
(1) 0.5" SN at 590		1	
	55 tbg jt w/ MS end	31	
(1) 2-1/10 3.5# 3-			
DK T. I /44/0/		et at: 5917 ft	
DK Tubing: (11/2) KB	JU1)	16	
	== 10 11111 11		
(1) 2-1/16" 3.25# J		32	
(4) 2-1/16" pup jts		24	
	# J-55 10rd IJ tbg jts	6078 *6	est
(1) Seal Assembly		6	
(56) 2-1/16" 3.25#	J-55 10rd lJtbg jts	1840 *6	est
(1) 0.5" SN at 799	3'	1	
(1) 2-1/16" 3.25# J	-55 tbg jt w/ MS end	32	
	S	et at: 8029 ft	
Artificial Lift:			
NA			
Perforations: (11)	2001)		
	1 SPF. 19, 0.27" holes. 794	8', 52, 54, 56, 58, 60, 62	2, 96, 99, 8001
	5, 27, 34, 36, 8042'. Acidize v		, , ,
	20/40 Acfrac SB in 60Q foan		& 640 000 sof
) 1 SPF. 23, 0.32" holes. 57		
07 00 40 45 04	14 67 70 04 00 50001	10, 11, 00, 01, 04, 00, 3	000 20, 0001, 0
07, 09, 12, 15, 21	, 41, 67, 78, 81, 88, 5903', 4	9, 59/6. Acidized W/ 10	ມບບ gai 15% H
	20/40 Az sand in 1860 bbls s		
	704') 1 SPF. 33, 0.32" holes		
	9, 92, 95, 5603', 08, 10, 13, 3		3, 57, 60, 64, 6
	Acidized w/ 1000 gal 15% H		
Frac w/ 70,000#	20/40 Az sand in 1683 bbls s	slickwater.	
· · · · · · · · · · · · · · · · · · ·	·		
Formations:	MD		
Ojo Alamo	2620'	Point Lookout	5774'
Kirtland	2745'	Mancos	6085'
Pictured Cliffs	3330'	Gallup	7060'
Cliff House	5482'	Greenhorn	7797'
Menefee	5527'	Dakota	7948'
Additional Notes:		Danoia	7 340
		0 MV/ Had to aga	200 b4 M)/
Cot 2 1/46" MV/#	npletion. Completed the DK	O IVIV. Hau to sqz prod	cagod POEE'
	at 5941', 2-1/16" DK tbg at		
	tuck in sand, got it free & fou		
ragged fill at 586	0' (290' fill), CO to top of pkr	at 6150. Set MV tbg at	5935
03/2011 Pulled M	V tbg, jts 19-42 were bent. R	an back in & landed at	5950'.

TD - 8130'



Proposed Wellbore Schematic

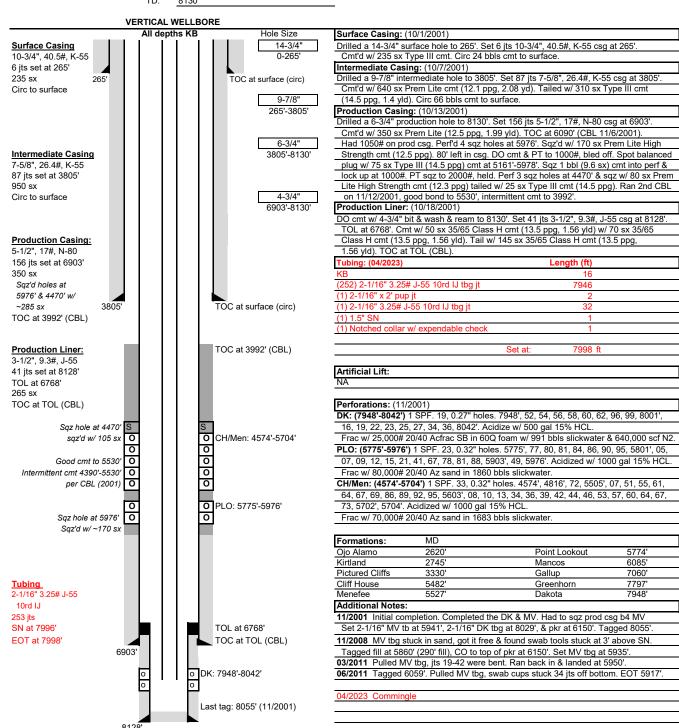
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Date Prepared: 12/14/2022 Moss
Reviewed By: 12/26/2022 Gomez

Last Updated: 5pud Date: 10/1/2001

Completion Date: 11/22/2001

Last Workover Date: 6/21/2011



PBTD - 8118'

District I
1625 N. French Dr., Hobbs, NM 88240
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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**

COMMENTS

Action 189797

COMMENTS

Operator:	OGRID:
LOGOS OPERATING, LLC	289408
2010 Afton Place	Action Number:
Farmington, NM 87401	189797
	Action Type:
	[C-103] NOI Workover (C-103G)

COMMENTS

Created By	Comment	Comment Date
dmcclure	DHC approved under Action ID: 183138	2/23/2023

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Farmington, NM 87401	189797
	Action Type:
	[C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
dmcclur	Submit a SR once work is completed as a C-103R.	2/23/2023