continued by Opp Po Appropriate 128 PM	State of New Mexico	Form C-103 ¹ of 5		
Office District I – (575) 393-6161 Enc	ergy, Minerals and Natural Resources	Revised July 18, 2013		
1625 N. French Dr., Hobbs, NM 88240 District II – (575) 748-1283		WELL API NO.		
811 S. First St., Artesia, NM 88210	L CONSERVATION DIVISION	30-039-25580 5. Indicate Type of Lease		
<u>District III</u> – (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Francis Dr.	STATE X 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	E-346-33			
SUNDRY NOTICES ANI (DO NOT USE THIS FORM FOR PROPOSALS TO D DIFFERENT RESERVOIR. USE "APPLICATION FO	7. Lease Name or Unit Agreement Name Rosa Unit			
PROPOSALS.)	8. Well Number 026A			
1. Type of Well: Oil Well Gas Well 2. Name of Operator	Well Number 026A OGRID Number			
LOGOS Operating, LLC		289408		
3. Address of Operator		10. Pool name or Wildcat		
2010 Afton Place, Farmington NM 8740	1	Blanco Mesaverde / Basin Dakota		
4. Well Location				
Unit Letter O : 860	feet from theFSL line and	- 100		
Section 32	Township 31N Range 5W	NMPM County Rio Arriba		
11. Ele	vation (Show whether DR, RKB, RT, GR, etc 6495	C.)		
	0493			
12. Check Appropri	ate Box to Indicate Nature of Notice	Report or Other Data		
11 1	<u>.</u>			
NOTICE OF INTENTION		BSEQUENT REPORT OF:		
	AND ABANDON REMEDIAL WO	RK ALTERING CASING RILLING OPNS. P AND A		
	GE PLANS			
DOWNHOLE COMMINGLE X	O/ONYO/OEIVIE	11 10B		
CLOSED-LOOP SYSTEM				
OTHER:	OTHER:			
	rations. (Clearly state all pertinent details, at RULE 19.15.7.14 NMAC. For Multiple Co	nd give pertinent dates, including estimated date		
proposed completion or recompletion		ompletions. Attach wendore diagram of		
Pre-approved Pool Division O	rder R-13122. to Mesaverde (72319) and Basin Dakota (71	500)		
Perforated Intervals:	o Mesaverde (72319) and Basin Dakota (71	399).		
Blanco Mesaverde: 5452' - :	5969'			
Basin Dakota: 7915' - 8011'				
		saverde and 39.9% Basin Dakota. This is based		
	f both the Mesaverde and Dakota production	zones within the well.		
Commingling will not reduce		ne downhole commingle per order R-12991. BLM		
has been notified on sundry no		ie downhole commingte per order K-12991. BEW		
and a substantial file				
Spud Date:	Rig Release Date:			
Spud Date.	Rig Release Date.			
I hereby certify that the information above is t	rue and complete to the best of my knowled	ge and belief.		
•	•	-		
SIGNATURE Marie FLor	TITLE_Regulatory Specialist_	DATE 7/22/2021		
Type or print name <u>Marie E. Florez</u> For State Use Only		sresroucesllc.com PHONE: _505-419-8420		
APPROVED BY:	TITLE	DATE		
Conditions of Approval (if any):				



DOWNHOLE COMMINGLE PROCEDURE AND ALLOCATION-NMOCD (2021)

Rosa Unit 26A 30-039-25580 860' FSL & 1465' FEL Section 32, T31N, R05W Rio Arriba, New Mexico LAT: 36.8512115° N LONG: -107.3816452° 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.
- Lay flow lines. Check and record casing and tubing pressures. Rig up blow lines from casing valves to rig pit. 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.
- Run in hole with packer plucker to retrieve Model D Packer at 6025'. 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. Cumulative production was used to determine allocations and allocations were verified with recent production history.

Cumulative Production

Cumulative production from well 1673.9 MMcf
Cumulative MV production 1006.8 MMcf
Cumulative DK production 667.1 MMcf

MV allocation = MV cumulative/total cumulative = 1006.8/1673.9 = **60.1%** DK allocation = DK cumulative /total cumulative = 667.1/1673.9 = **39.9%**

Well Name: Rosa Unit 26A



PROPOSED COMMINGLE - Wellbore Schematic

Date Prepared:

		R05W 860'	FSL & 1465' FEL		Last Updated:		
County: Ric					Spud Date:	9/19/1996	
	-039-25580	407.004	04500 NAD 00		Completion Date:	10/5/1996	
Co-ordinates: La			6452° NAD 83				
Elevations:	GROUND: <u>64</u> KB: <u>65</u>						
Depths (KB):	PBTD: 80						
Deptilo (RD).	TD: 80						
		,,,,					
	All De	epths KB	Hole Size	Surface Casing: (9/19	/1996)		
Surface Casing		ĹIII	14-3/4"	Drilled 14-3/4" surface	hole to 325'. Ran 7 jts 10-3/4" 4	0.5# K-55 csg set at	321'.
10-3/4" 40.5# K-55			0'-325'	Cmt'd w/ 285 sx class "	B" w/ 3% CsCl2, 1/4# cello-flake	s/sk.	
set at 321'				Circulated 10 bbls of go	ood cmt to surface.		
285 sx	\triangle		TOC at surface (Circ)				
ΓOC at surface	321'			Intermediate Casing:			
'Circ)					ate hole to 3800'. Ran 87 jts 7-5		et at 3802'.
			TOC at surface (Circ)		lass "B" 65/35 poz, 8% gel, 1/4#		
					ss "B", 2% CaCl, 1/4# cello-flake	:/sk.	
			0.7/0"	Circulated 35 bbls of go	ood cement to surface.		
			9-7/8" 325'-3800'	Braduation Coolings (C	1/39/1006)		
			323-3000	Production Casing: (9	n hole to 8079'. Ran 177 jts 5-1/	2" 17# N 90 oca cot	at 9074'
					"B" 50/50 poz, 4% gel, 0.5% CF		at 0074.
					iss "H", 35% silica flour, 1/4# cel		62 0 2% A-2
			6-3/4"	1 Ollowed by 100 3x Cla	135 11 , 35 /0 Silica lioui, 1/4# Cel	0 llake/3k, 1.0 /0 1 L	02, 0.2 /0 A-2
			3800'-8079'	Tubing: COMMINGLE PI	ROPOSED	Length (ft)	
ntermediate Csg.			0000 00.0	KB		14	
7-5/8" 26.4# K-55				(~246) 2-3/8", 4.7#, J-5	5 tba its	7874	
set at 3802'				(1) 2' marker jt	9)	2	
330 sx				(1) 2-3/8", 4.7#, J-55 tb	g jt	31	
FOC at surface				SN (1.78" ID)		1	
'Circ)				MS collare w/ expendal	ble check	1	
				-			
					Set at:	7923	
			TOO (0040)	Perforations: (10/4/19	· · · · · · · · · · · · · · · · · · ·	54501 041 071 001	041 001 051 001
			TOC at 3210'		5452'-5701', 60 holes, 0.36" dia		
Dropood Tubing			per CBL (10/2/1996)		28', 30', 41', 43', 45', 47', 79', 5		
Proposed Tubing 2-3/8", 4.7#, J-55					07', 09', 12', 17', 25', 32', 34', 3	3,47,49,51,55,5	37, 39, 61, 70,
-247 tbg jts				72', 74', 79', 81', 83', 85 Frac w/ 80 000# 20/4	0 sand in 1,772 bbls of slick wat	er	
SN @ ~7921'	3802'		_	1140 11/ 00,000// 20/1	o carra iii 1,772 bbio of click wat	<u> </u>	
EOT @ ~7923'	3002			Point Lookout: 5715'-	5969'. 63 holes, 0.36" dia; 5715	22' 24' 26' 28' 30	0' 32' 34' 36' 38'
1020					9', 74', 76', 78', 80', 88', 93', 590		
					0 sand in 1,921 bbls of slick wat		
				· · · · · · · · · · · · · · · · · · ·	,		
				Dakota: 7915'-8011', 1	7 holes, 0.36" dia; 7915', 19', 23	5', 27', 31', 35', 60', 6	4', 68', 72', 76',
				80', 87', 93', 8000', 05',	11'.		
				Frac w/ 70,000# 20/4	0 & 10,000# SDC resin coated,	703 bbls 35# X-linke	ed gel in 60Q
			<u>Mesaverde</u>				
	0		Cliff House / Menefee	Formations:			50041
	0	0	5452'-5701'	Ojo Alamo-	2586'	Mancos-	5881'
			Doint Lookout	Kirtland- Fruitland-	2711' 3023'	Gallup-	7746' 7785'
	0	0	Point Lookout 5715'-5969'	Pictured Cliffs	3300'	Greenhorn- Dakota-	7896'
			0110-0303	Lewis-	3597'	Dakula-	1000
Production Casing	,			Cliff House-	5467'		
5-1/2" 17# N-80	²			Menefee-	5520'		
set at 8074'				Point Lookout-	5748'		
135 sx				-			
ΓOC at 3210' per CBL	_	N	Max Deviation 2° @ 6597'				
				Additional Notes:			
				2021 - Commingle			
			<u>Dakota</u>				
			7915'-8011'				
	0	0					
	Ĭ	1 1	Fish (10/13/1996)				
			Packer setting tool fingers				
	8074'		downhole at unknown depth				
		D - 8049'					
	ſD	- 8079'					



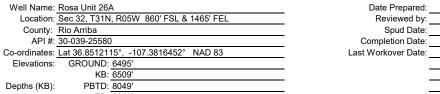
Wellbore Schematic

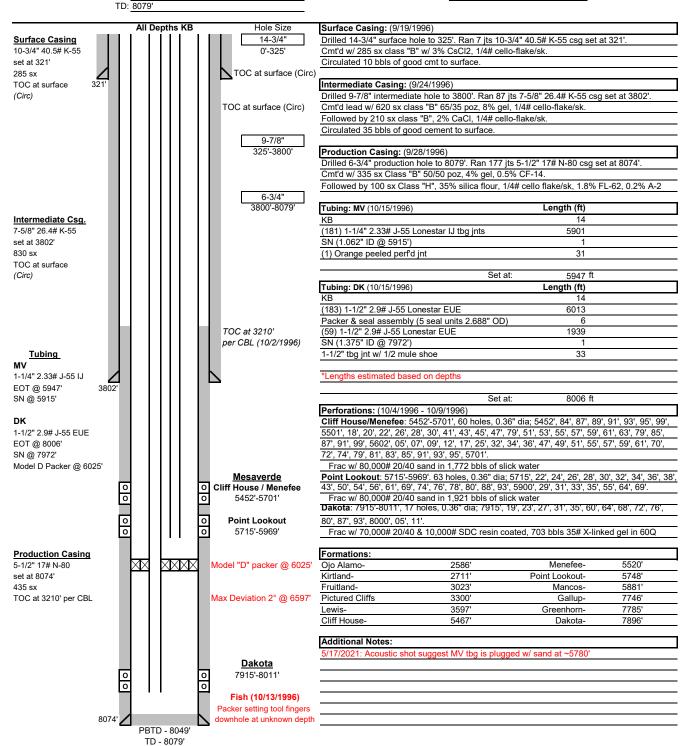
6/10/2021 Hespe

6/10/2021 Gomez

N/A

9/19/1996





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 37575

CONDITIONS

Operator:	OGRID:	
LOGOS OPERATING, LLC	289408	
2010 Afton Place	Action Number:	
Farmington, NM 87401	37575	
	Action Type:	
	[C-107] Down Hole Commingle (C-107A)	

CONDITIONS

Created By	Condition	Condition Date
kpickford	None	7/28/2021