

Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM
 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-039-26927
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. NMSF078771
7. Lease Name or Unit Agreement Name Rosa Unit
8. Well Number Rosa Unit 5B
9. OGRID Number 289408
10. Pool name or Wildcat Blanco Mesaverde / Basin Dakota

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator LOGOS Operating, LLC	
3. Address of Operator 2010 Afton Place, Farmington NM 87401	
4. Well Location Unit Letter <u>B</u> : <u>715'</u> feet from the <u>FNL</u> line and <u>1835'</u> feet from the <u>FEL</u> line Section <u>26</u> Township <u>T31N</u> Range <u>6W</u> NMPM County <u>Rio Arriba</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6309'	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input checked="" type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: <input type="checkbox"/>	SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>
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13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Pre-approved Pool Division Order R-13122.

Pools to be commingled: Blanco Mesaverde (72319) and Basin Dakota (71599).

Perforated Intervals:

Blanco Mesaverde: 4370' - 5817'

Basin Dakota: 7804' - 7904'

Fixed percentage allocation based upon production data 65% Blanco Mesaverde and 35% Basin Dakota. This is based upon the historic production of both the Mesaverde and Dakota production zones within the well.

Commingling will not reduce the value of reserves.

Interest owners in the spacing unit have not been notified of the intent of the downhole commingle per order R-12991. BLM has been notified on sundry notice form 3160-5.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Marie E. Florez TITLE Regulatory Specialist DATE 2/1/2021

Type or print name Marie E. Florez E-mail address: mflorez@logosresourcesllc.com PHONE: 505-787-2218

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):



DOWNHOLE COMMINGLE PROCEDURE AND ALLOCATION-NMOCD (2021)

Rosa Unit 5B

30-039-26927

715' FNL & 1835' FEL

Section 26, T31N, R06W

Rio Arriba, New Mexico

LAT: 36.875927° N LONG: -107.4294357° 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. 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.
6. Run in hole with packer plucker to retrieve Model D Packer at 5950'. 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	847 MMcf
Cumulative MV production	548 MMcf
Cumulative DK production	299 MMcf

MV allocation = MV cumulative/total cumulative = 548/847 = **65%**

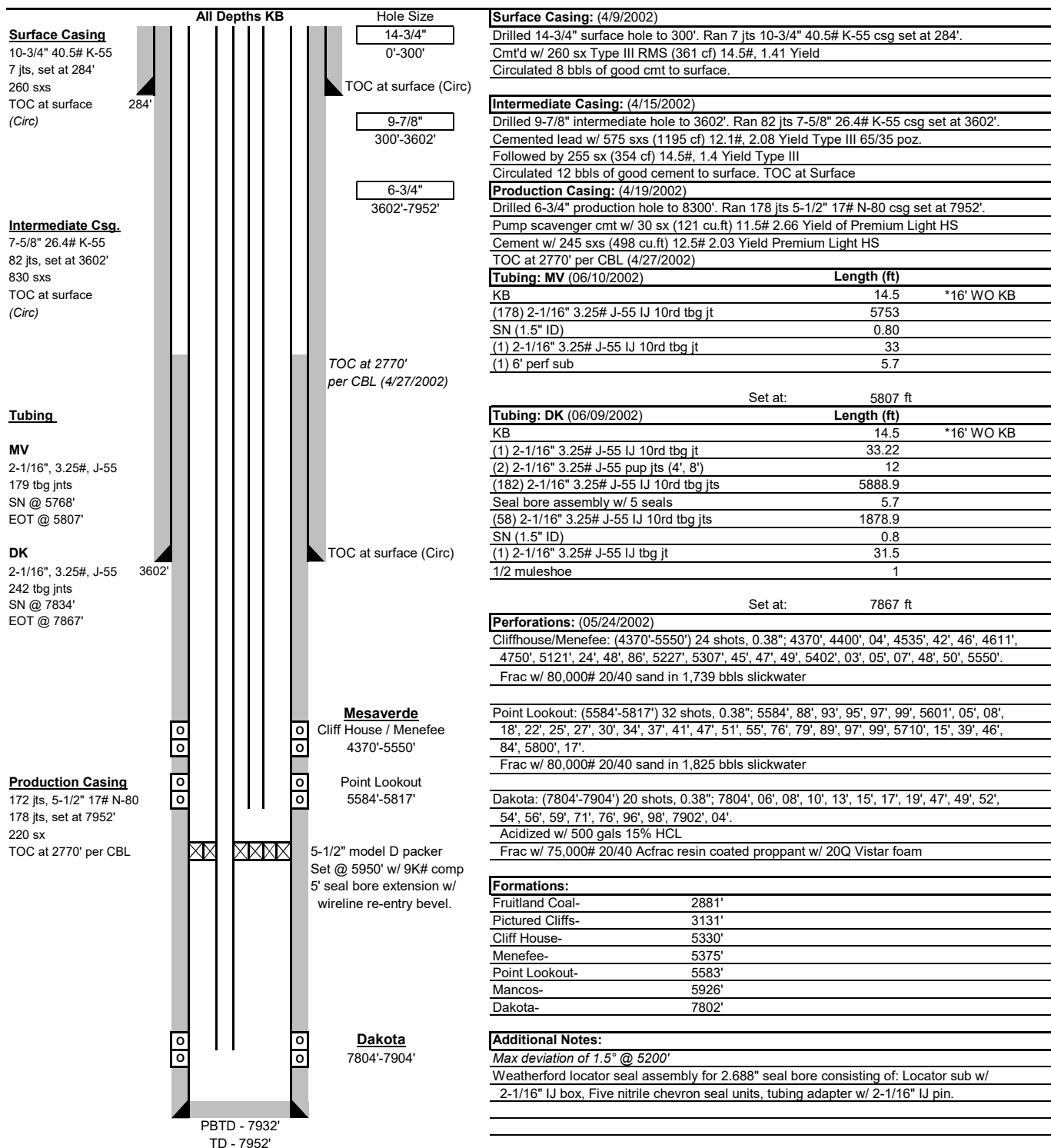
DK allocation = DK cumulative /total cumulative = 299/847 = **35%**



Wellbore Schematic

Well Name: Rosa Unit 5B
 Location: Sec 26, T31N, R06W 715' FNL & 1835' FEL
 County: Rio Arriba
 API #: 30-039-26927
 Co-ordinates: Lat 36.875927°, -107.4294357° NAD 83
 Elevations: GROUND: 6309'
 KB: 6323.5'
 Depths (KB): PBDT: 7932'
 TD: 7952'

Date Prepared: 1/6/2021 Hespe
 Last Updated:
 Spud Date: 4/9/2002
 Completion Date: 6/10/2002
 Last Workover Date:
 Reviewed by: 1/7/2021 S. Gomez



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COMMENTS

Action 16747

COMMENTS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM87401			OGRID: 289408	Action Number: 16747	Action Type: C-103E
Created By	Comment			Comment Date	
kpickford	KP GEO Review 2/8/2021			02/08/2021	
kpickford	DHC-5118			02/08/2021	

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CONDITIONS

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CONDITIONS OF APPROVAL

Operator:	LOGOS OPERATING, LLC	2010 Afton Place	Farmington, NM87401	OGRID:	289408	Action Number:	16747	Action Type:	C-103E
OCD Reviewer	Condition								
kpickford	None								