

Submit a Copy To Appropriate District  
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.<br>30-039-25563                                                                        |
| 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No.                                                                        |
| 7. Lease Name or Unit Agreement Name<br>Rosa Unit                                                   |
| 8. Well Number 64M                                                                                  |
| 9. OGRID Number<br>289408                                                                           |
| 10. Pool name or Wildcat<br>Blanco Mesaverde / Basin Dakota                                         |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>6388'                                         |

|                                                                                                                                                                                                                             |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| SUNDRY NOTICES AND REPORTS ON WELLS<br>(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<br>LOGOS Operating, LLC                                                                                                                                                                                 |  |
| 3. Address of Operator<br>2010 Afton Place, Farmington NM 87401                                                                                                                                                             |  |
| 4. Well Location<br>Unit Letter <u>F</u> : <u>1850'</u> feet from the <u>FNL</u> line and <u>1800'</u> feet from the <u>FWL</u> line<br>Section <u>29</u> Township <u>31N</u> Range <u>5W</u> NMPM County <u>Rio Arriba</u> |  |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>6388'                                                                                                                                                                 |  |

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

| NOTICE OF INTENTION TO:                                | SUBSEQUENT REPORT OF:                            |
|--------------------------------------------------------|--------------------------------------------------|
| PERFORM REMEDIAL WORK <input type="checkbox"/>         | REMEDIAL WORK <input type="checkbox"/>           |
| TEMPORARILY ABANDON <input type="checkbox"/>           | ALTERING CASING <input type="checkbox"/>         |
| PULL OR ALTER CASING <input type="checkbox"/>          | COMMENCE DRILLING OPNS. <input type="checkbox"/> |
| DOWNHOLE COMMINGLE <input checked="" type="checkbox"/> | P AND A <input type="checkbox"/>                 |
| CLOSED-LOOP SYSTEM <input type="checkbox"/>            | CASING/CEMENT JOB <input type="checkbox"/>       |
| OTHER: <input type="checkbox"/>                        | OTHER: <input type="checkbox"/>                  |

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: 5462' - 6051'

Basin Dakota: 7934' - 8019'

Fixed percentage allocation based upon production data 50.6% Blanco Mesaverde and 49.4% 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 1/26/2021

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 64M

**30-039-25563**

**1850' FNL & 1800' FWL**

**Section 29, T31N, R05W**

**Rio Arriba, New Mexico**

**LAT: 36.8726883° N LONG: -107.3885422° 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 6150'. 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

|                             |            |
|-----------------------------|------------|
| Total Cumulative Production | 1,323 MMcf |
| Cumulative MV production    | 669 MMcf   |
| Cumulative DK production    | 654 MMcf   |

MV allocation = MV cumulative/total cumulative = 669/1,323 = **50.6%**

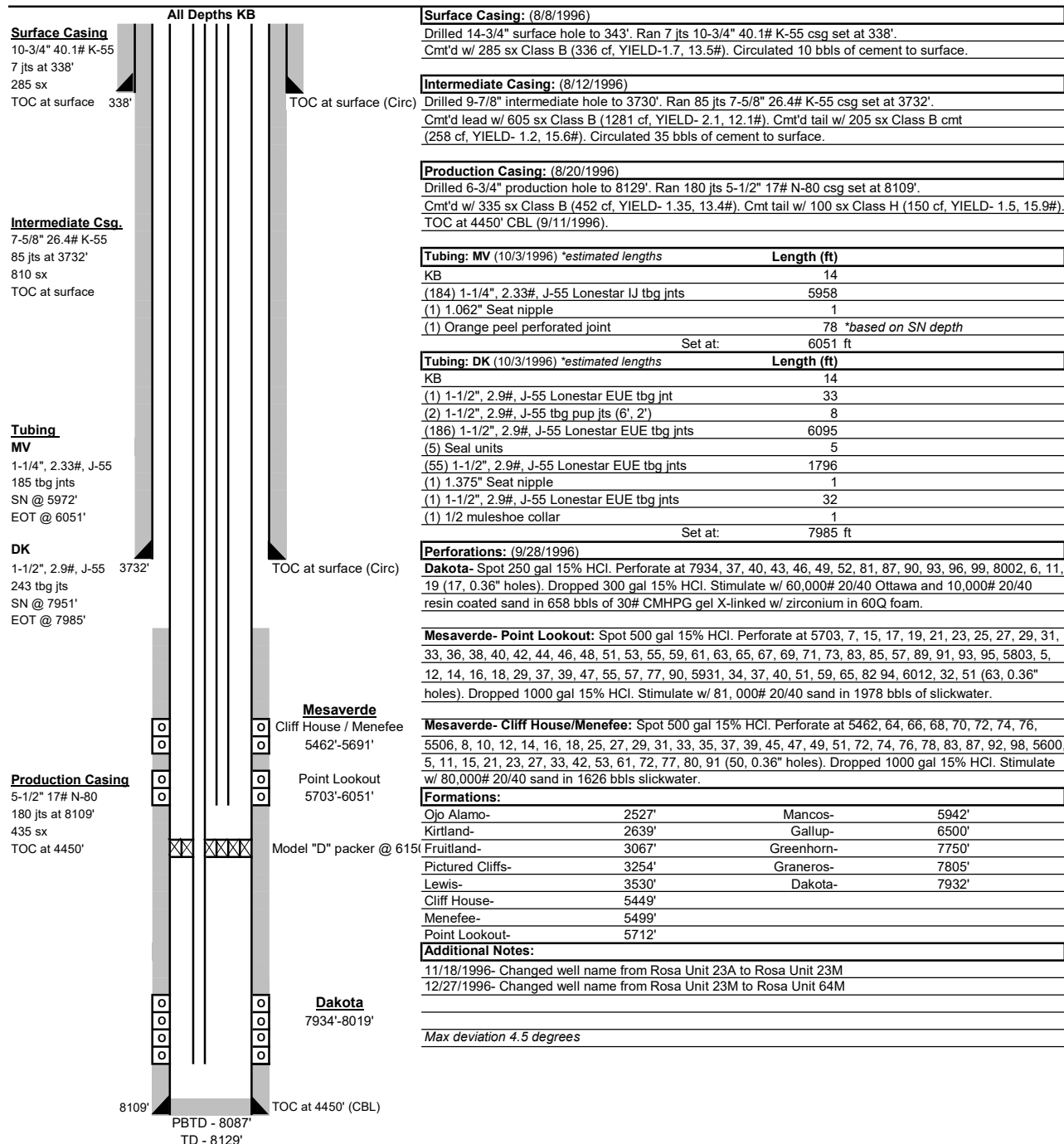
DK allocation = DK cumulative /total cumulative = 654/1,323 = **49.4%**



## Wellbore Schematic

Well Name: Rosa Unit 64M  
 Location: Sec 29, T31N, R05W 1850' FNL & 1800' FWL  
 County: Rio Arriba  
 API #: 30-039-25563  
 Co-ordinates: Lat 36.8726883°, -107.3885422°  
 Elevations: GROUND: 6388'  
 KB: 6402'  
 Depths (KB): PBDT: 8087'  
 TD: 8129'

Date Prepared: 12/29/2020 Gomez  
 Reviewed by: 12/31/2020 Hespe  
 Spud Date: 8/7/1996  
 Completion Date: 9/28/1996  
 Last Workover Date:



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**State of New Mexico**  
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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 15718

**CONDITIONS OF APPROVAL**

|              |                      |                  |                     |        |        |                |       |              |        |
|--------------|----------------------|------------------|---------------------|--------|--------|----------------|-------|--------------|--------|
| Operator:    | LOGOS OPERATING, LLC | 2010 Afton Place | Farmington, NM87401 | OGRID: | 289408 | Action Number: | 15718 | Action Type: | C-103E |
| OCD Reviewer | Condition            |                  |                     |        |        |                |       |              |        |
| kpickford    | None                 |                  |                     |        |        |                |       |              |        |