

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

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.)		WELL API NO. 30-039-25580
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator LOGOS Operating, LLC		6. State Oil & Gas Lease No. E-346-33
3. Address of Operator 2010 Afton Place, Farmington NM 87401		7. Lease Name or Unit Agreement Name Rosa Unit
4. Well Location Unit Letter <u>O</u> : <u>860</u> feet from the <u>FSL</u> line and <u>1465</u> feet from the <u>FEL</u> line Section <u>32</u> Township <u>31N</u> Range <u>5W</u> NMPM County <u>Rio Arriba</u>		8. Well Number <u>026A</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6495		9. OGRID Number 289408
		10. Pool name or Wildcat Blanco Mesaverde / Basin Dakota

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: 5452' - 5969'

Basin Dakota: 7915' - 8011'

Fixed percentage allocation based upon production data 60.1% Blanco Mesaverde and 39.9% 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 7/22/2021

Type or print name Marie E. Florez E-mail address: mflorez@logosresourcesllc.com PHONE: 505-419-8420

For State Use Only

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.
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 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 = $667.1/1673.9 = 39.9\%$



PROPOSED COMMINGLE - Wellbore Schematic

Well Name: Rosa Unit 26A

Location: Sec 32, T31N, R05W 860' FSL & 1465' FEL

County: Rio Arriba

API #: 30-039-25580

Co-ordinates: Lat 36.8512115°, -107.3816452° NAD 83

Elevations: GROUND: 6495'

KB: 6509'

Depths (KB): PBTD: 8049'

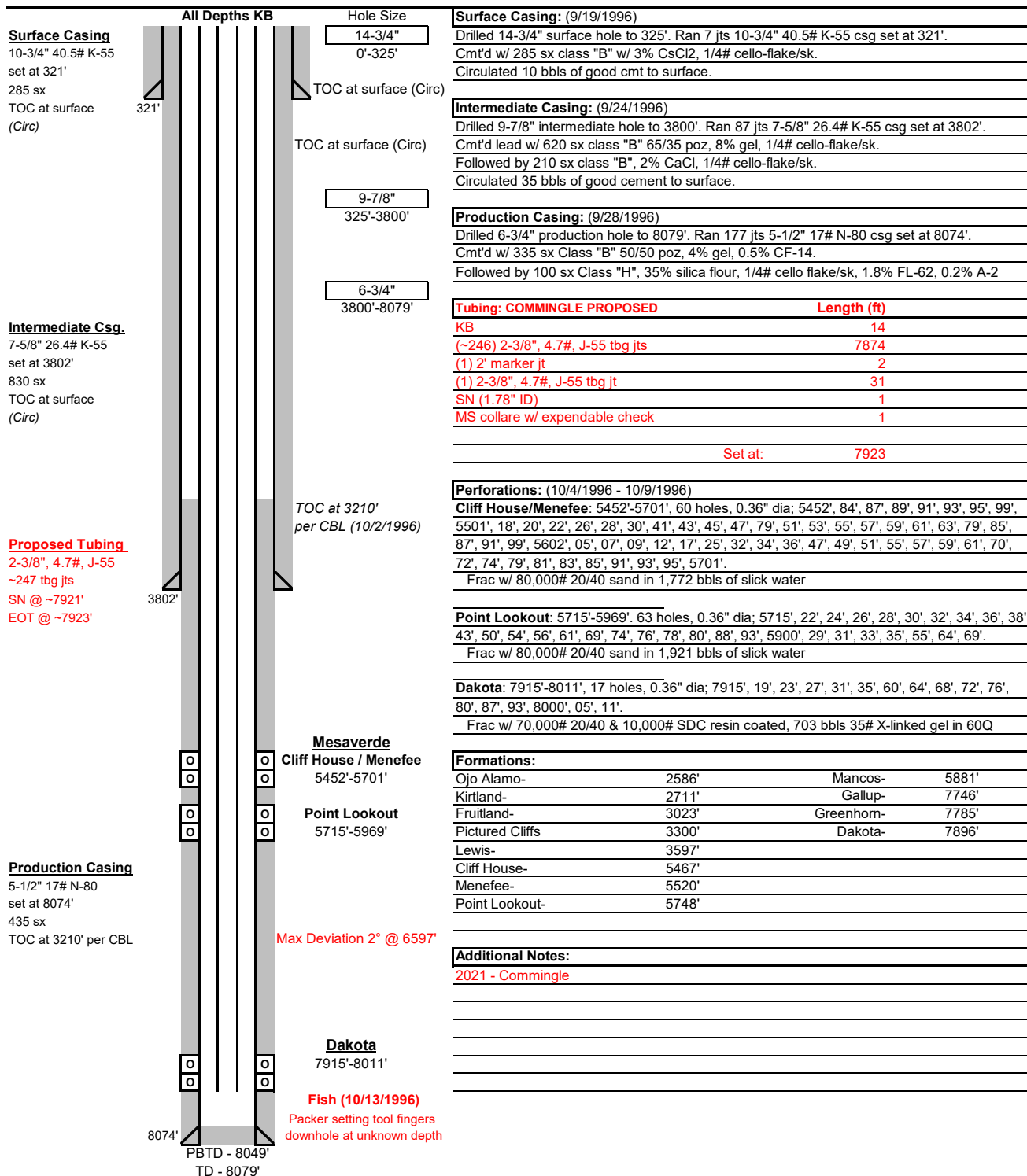
TD: 8079'

Date Prepared: 7/19/2021 Hesse

Last Updated:

Spud Date: 9/19/1996

Completion Date: 10/5/1996

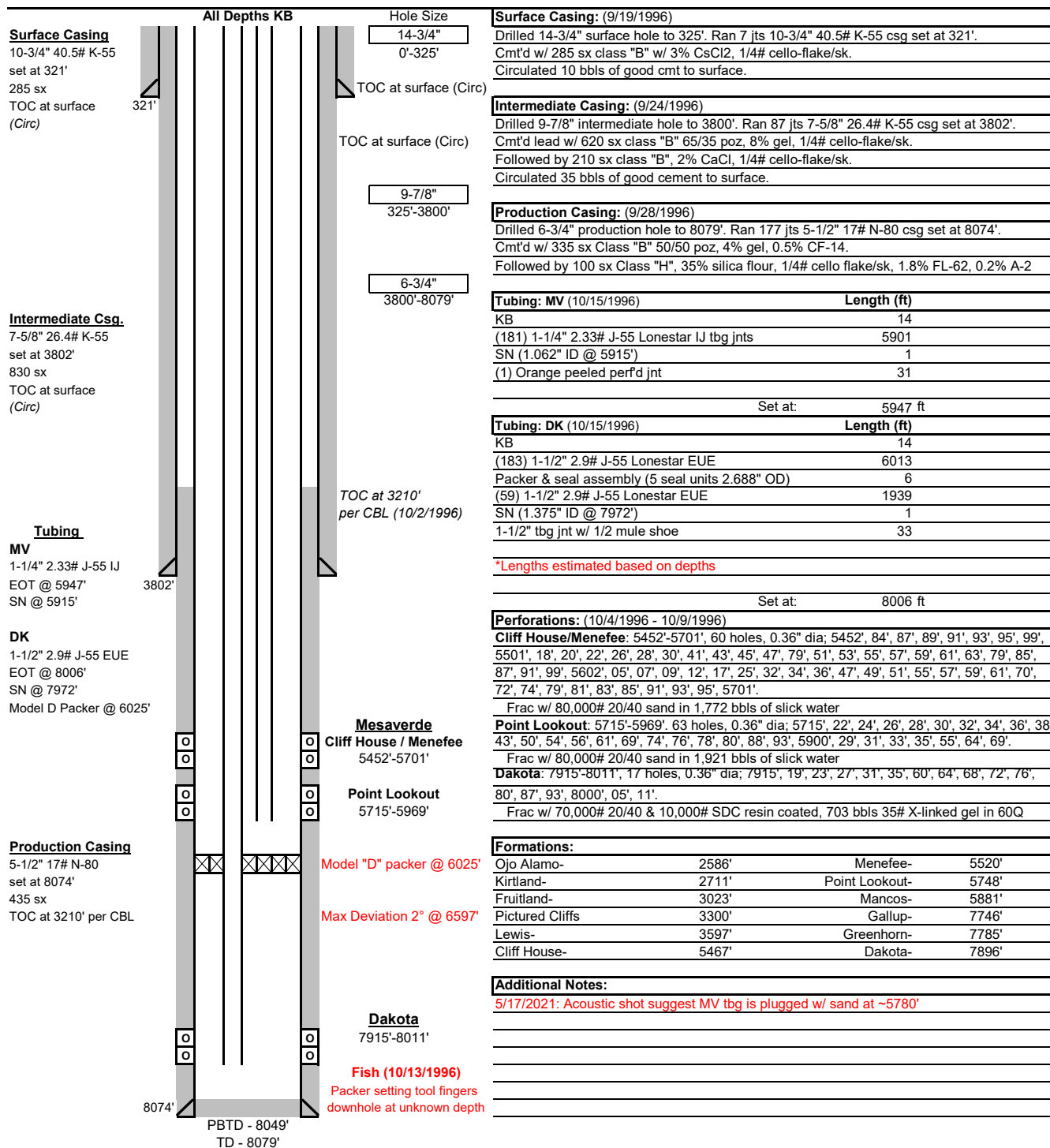




Wellbore Schematic

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 Co-ordinates: Lat 36.8512115°, -107.3816452° NAD 83
 Elevations: GROUND: 6495'
 KB: 6509'
 Depths (KB): PBTD: 8049'
 TD: 8079'

Date Prepared: 6/10/2021 Hespe
 Reviewed by: 6/10/2021 Gomez
 Spud Date: 9/19/1996
 Completion Date: 10/5/1996
 Last Workover Date: N/A



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CONDITIONS

Action 37575

CONDITIONS

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

CONDITIONS

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