

Santa Fe Main Office
Phone: (505) 476-3441
General Information
Phone: (505) 629-6116

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

Online Phone Directory Visit:
<https://www.emnrd.nm.gov/ocd/contact-us/>

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

| |
|--|
| WELL API NO. 30-045-29134 |
| 5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No. NMSF078766 |
| 7. Lease Name or Unit Agreement Name ROSA UNIT |
| 8. Well Number 138A |
| 9. OGRID Number 289408 |
| 10. Pool name or Wildcat ROSA PICTURED CLIFFS / BLANCO MESAVERDE |

| | |
|--|---|
| 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>H</u> : <u>1819'</u> feet from the <u>NORTH</u> line and <u>1188'</u> feet from the <u>EAST</u> line Section <u>17</u> T31N Township R06W Range NMPM San Juan County | |
| DHC-5556 | 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6367' |
| | 03/06/26 |

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"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> | P AND A <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | MULTIPLE COMPL <input type="checkbox"/> | CASING/CEMENT JOB <input type="checkbox"/> | |
| DOWNHOLE COMMINGLE <input checked="" type="checkbox"/> | | | |
| CLOSED-LOOP SYSTEM <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-12991.
Pools to be commingled: Mesa Verde (72319) and Rosa Pictured Cliffs (96175)
Perforated Intervals:
Rosa Pictured Cliffs: 3196' - 3288'
Blanco Mesaverde: 5375' - 5906'
Because uplift is expected from both zones by commingling the well, a fixed production allocation established by historical well behavior is not expected to be accurate (see procedure attached). Commingling will not reduce the value of the 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 Etta Trujillo TITLE Sr Regulatory Specialist DATE 3/6/2026

Type or print name Etta Trujillo E-mail address: etrujillo@logosresourcesllc.com PHONE: 505-324-4154

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 03/27/26
Conditions of Approval (if any):

CONDITIONS OF APPROVAL

If an alteration is made to the Well or a condition within the Well changes which may cause the allocation of production to the Pools as approved within this Permit to become inaccurate, then no later than sixty (60) days after that event, the Operator shall submit Form C-103 to the OCD Engineering Bureau describing the event and include a revised allocation plan. If OCD denies the revised allocation plan, this Permit shall terminate on the date of such action.

If the downhole commingling of the Pools reduces the value of the oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred the Operator shall submit a new downhole commingling application to OCD to amend this Permit to remove the pool that caused the decrease in value. If the Operator fails to submit a new application, this Permit shall terminate on the following day, and if OCD denies the application, this Permit shall terminate on the date of such action.

If a completed interval of the Well is altered from what is submitted within this application, then no later than sixty (60) days after the alteration, the Operator shall submit Form C-103 to the OCD Engineering Bureau detailing the alteration and completed interval.

The Operator shall calculate the oil and gas production average during the fourth year after the commencement of commingling, which shall be used to establish a fixed percentage of the total oil and gas production that shall be allocated to each of the Pools ("fixed percentage allocation plan"). No later than ninety (90) days after the fourth year, the Operator shall submit a Form C-103 to the OCD Engineering Bureau that includes the fixed percentage allocation plan and all data used to determine it. If the Operator fails to do so, this Permit shall terminate on the following day. If OCD denies the fixed percentage allocation plan, this Permit shall terminate on the date of such action. If OCD approves the percentage allocation plan with or without modifications, then the approved percentage allocation plan shall be used to determine oil and gas allocation starting on the date of such action until the Well is plugged and abandoned.

| | | |
|-----------------------------------|--|--|
| Well Name: ROSA UNIT | Well Location: T31N / R6W / SEC 17 / SENE / 36.90158 / -107.48082 | County or Parish/State: SAN JUAN / NM |
| Well Number: 138A | Type of Well: CONVENTIONAL GAS WELL | Allottee or Tribe Name: |
| Lease Number: NMSF078766 | Unit or CA Name: ROSA UNIT - PC, ROSA UNIT--MV | Unit or CA Number: NMNM78407A, NMNM78407C |
| US Well Number: 3004529134 | Operator: LOGOS OPERATING LLC | |

Notice of Intent

Sundry ID: 2899278

Type of Submission: Notice of Intent

Type of Action: Commingling (Subsurface)

Date Sundry Submitted: 03/06/2026

Time Sundry Submitted: 10:48

Date proposed operation will begin: 03/06/2026

Procedure Description: LOGOS Operating requests to downhole commingle the Pictured Cliffs and Mesaverde per the attached procedure.

NOI Attachments

Procedure Description

Rosa_Unit_138A___Commingle_Allocation_Procedure_20260306104756.pdf

Well Name: ROSA UNIT

Well Location: T31N / R6W / SEC 17 / SENE / 36.90158 / -107.48082

County or Parish/State: SAN JUAN / NM

Well Number: 138A

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF078766

Unit or CA Name: ROSA UNIT - PC, ROSA UNIT--MV

Unit or CA Number: NMNM78407A, NMNM78407C

US Well Number: 3004529134

Operator: LOGOS OPERATING LLC

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: ETTA TRUJILLO

Signed on: MAR 06, 2026 10:49 AM

Name: LOGOS OPERATING LLC

Title: Regulatory Specialist

Street Address: 2010 AFTON PLACE

City: FARMINGTON State: NM

Phone: (505) 324-4154

Email address: ETRUJILLO@LOGOSRESOURCESLLC.COM

Field

Representative Name:

Street Address:

City: State: Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Approved

Disposition Date: 03/06/2026

Signature: Kenneth Rennick



DOWNHOLE COMMINGLE PROCEDURE AND ALLOCATION

Rosa Unit 138A
30-045-29134
1819' FNL & 1188' FEL
Section 17, T31N, R06W
San Juan County, New Mexico
LAT: 36.9019165° N LONG: -107.4812851° W
Pictured Cliffs/Mesaverde

PROJECT OBJECTIVE:

Downhole commingle Pictured Cliffs and Mesaverde.

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. Rig up flow lines. Check and record casing pressure. Sell pressure down to line. Kill well if necessary.
3. Nipple down wellhead and nipple up BOP.
4. Remove all tubing and downhole equipment from the wellbore.
5. Run in hole with single 2-3/8" production tubing string.
6. Return to production as a Pictured Cliffs/Mesaverde commingle.

PRODUCTION ALLOCATION

Historic production data from both zones in this well was gathered and analyzed. Historical and forecasted rates were used to determine allocations due to a failure that impacted production potential and cumulative allocation accuracy.

Gas Production Rate

| | |
|-------------------------------------|----------|
| Total Gas Production Rate | 80 Mcfpd |
| Pictured Cliffs Gas Production Rate | 30 Mcfpd |
| Mesaverde Gas Production Rate | 50 Mcfpd |

PC gas allocation = PC rate/total rate = 30/80 = **37.5%**

MV gas allocation = MV rate/total rate = 50/80 = **62.5%**

Oil Production Rate

NA

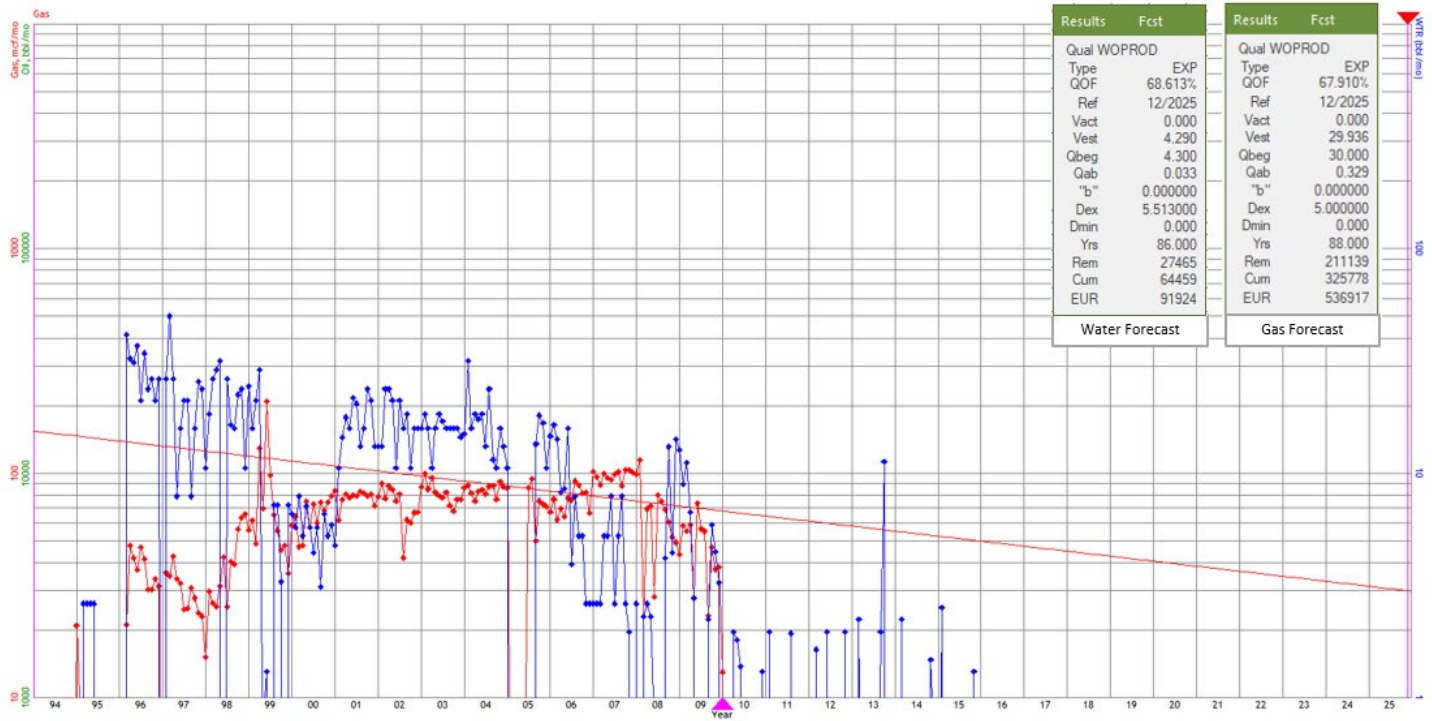
Water Production Rate

| | |
|---------------------------------------|-----------|
| Total Water Production Rate | 4.54 bwpd |
| Pictured Cliffs Water Production Rate | 4.3 bwpd |
| Mesaverde Water Production Rate | 0.24 bwpd |

PC water allocation = PC rate/total rate = 4.3/4.54 = **95%**

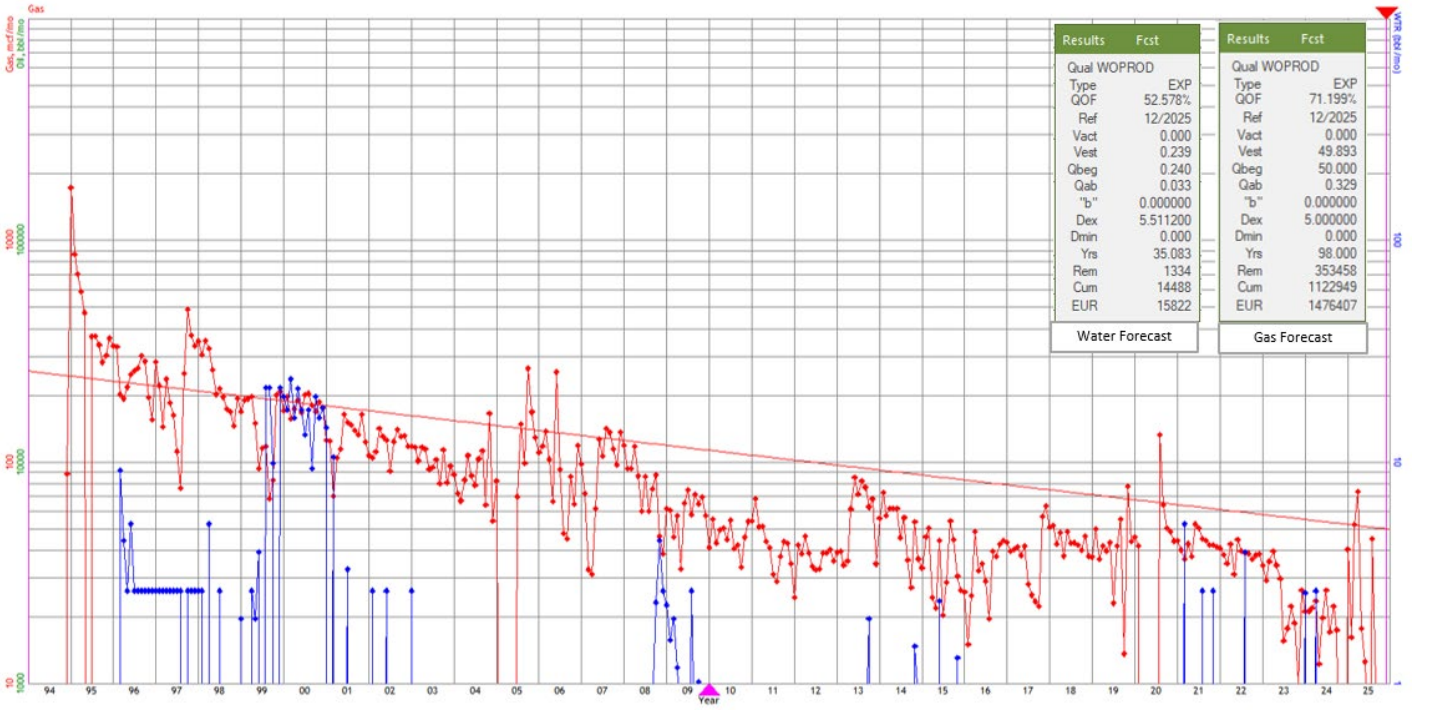
MV water allocation = MV rate/total rate = 0.24/4.54 = **5%**

Pictured Cliffs Historical Production



| Results | | Fcst | | Results | | Fcst | |
|----------------|----------|------|--|-------------|----------|------|--|
| Water Forecast | | | | | | | |
| Qual WOPROD | | | | Qual WOPROD | | | |
| Type | EXP | | | Type | EXP | | |
| QOF | 68.613% | | | QOF | 67.910% | | |
| Ref | 12/2025 | | | Ref | 12/2025 | | |
| Vact | 0.000 | | | Vact | 0.000 | | |
| Vest | 4.290 | | | Vest | 29.936 | | |
| Qbeg | 4.300 | | | Qbeg | 30.000 | | |
| Qab | 0.033 | | | Qab | 0.329 | | |
| "b" | 0.000000 | | | "b" | 0.000000 | | |
| Dex | 5.513000 | | | Dex | 5.000000 | | |
| Dmin | 0.000 | | | Dmin | 0.000 | | |
| Yrs | 86.000 | | | Yrs | 88.000 | | |
| Rem | 27465 | | | Rem | 21139 | | |
| Cum | 64459 | | | Cum | 325778 | | |
| EUR | 91924 | | | EUR | 536917 | | |
| Gas Forecast | | | | | | | |

Mesaverde Historical Production



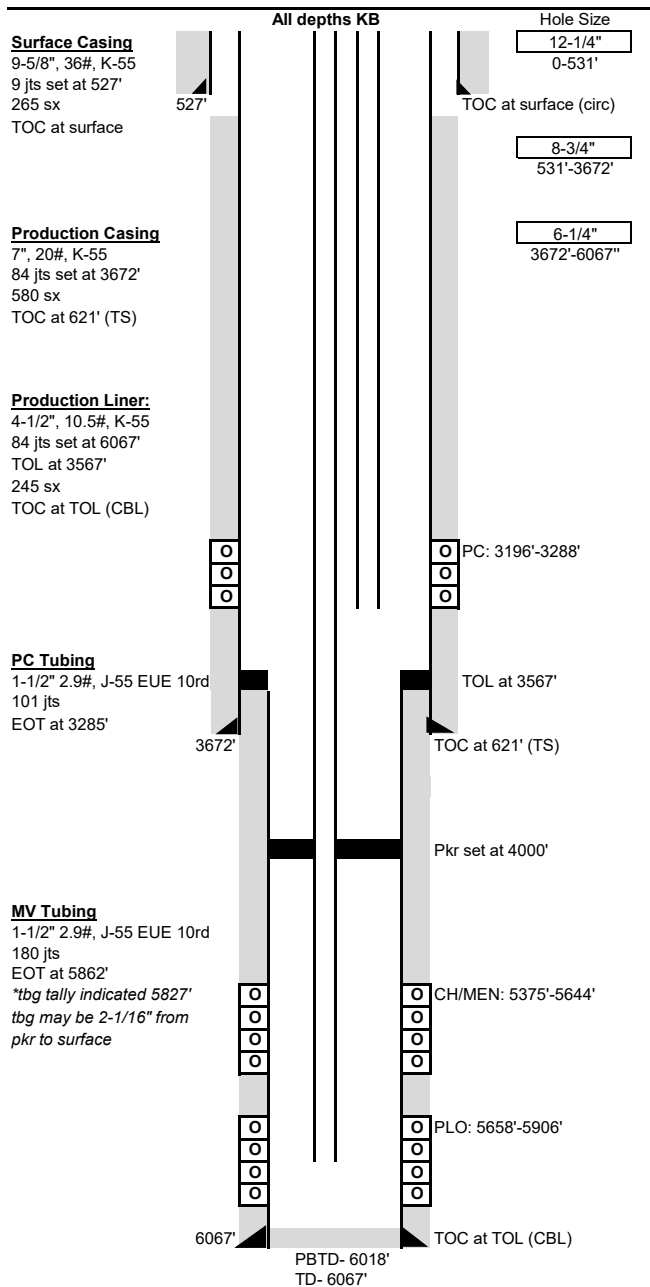
| Results | | Fcst | | Results | | Fcst | |
|----------------|----------|------|--|-------------|----------|------|--|
| Water Forecast | | | | | | | |
| Qual WOPROD | | | | Qual WOPROD | | | |
| Type | EXP | | | Type | EXP | | |
| QOF | 52.578% | | | QOF | 71.199% | | |
| Ref | 12/2025 | | | Ref | 12/2025 | | |
| Vact | 0.000 | | | Vact | 0.000 | | |
| Vest | 0.239 | | | Vest | 49.893 | | |
| Qbeg | 0.240 | | | Qbeg | 50.000 | | |
| Qab | 0.033 | | | Qab | 0.329 | | |
| "b" | 0.000000 | | | "b" | 0.000000 | | |
| Dex | 5.511200 | | | Dex | 5.000000 | | |
| Dmin | 0.000 | | | Dmin | 0.000 | | |
| Yrs | 35.083 | | | Yrs | 98.000 | | |
| Rem | 1334 | | | Rem | 353458 | | |
| Cum | 14488 | | | Cum | 1122949 | | |
| EUR | 15822 | | | EUR | 1476407 | | |
| Gas Forecast | | | | | | | |



Wellbore Schematic

Well Name: Rosa Unit 138A
 Location: Sec 17, T31N, R06W 1819' FNL & 1188' FEL
 County: San Juan County, NM
 API #: 30-045-29134
 Co-ordinates: Lat 36.9019165 Long -107.4812851 NAD83
 Elevations: GROUND: 6367'
 KB: 6379'
 Depths (KB): PBTD: 6018'
 TD: 6067'

Date Prepared: 2/16/2026 Gomez
 Last Updated: 2/25/2026 Moss
 Reviewed By:
 Spud Date: 7/27/1994
 Completion Date: 11/10/1994
 Last Workover Date: N/A



Surface Casing: (7/28/1994)
 Drilled a 12-1/4" surface hole to 531'. Set 9 jts 9-5/8", 36#, K-55 csg at 527'.
 Cmt w/ 265 sx (315 cf, 1.15 yld, 15.8 ppg) Class G cmt. Cic 15 bbls.

Production Casing: (8/1/1994)
 Drilled a 8-3/4" intermediate hole to 3672'. Set 84 jts 7", 20#, K-55 csg at 3672'.
 Cmt w/ 430 sx (903 cf) Class G 65/35 poz tailed w/ 150 sx (204 cf) Class G cmt.
 TOC at 621' (TS).

Production Liner: (8/15/1994)
 Drilled a 6-1/4" production hole to 6067'. Set 58 jts 4-1/2", 10.5#, K-55 csg at 6067'.
 TOL at 3567'. Cmt w/ 245 sx (424 cf, 1.73 yld, 13.5 ppg) Class G cmt.
 TOC at TOL per CBL (1994).

| PC Tubing: (9/2004) | Length (ft) |
|---|-------------|
| KB | 12 |
| (100) 1-1/2" 2.9#, J-55 EUE 10rd tbg jts | 3234 |
| (1) 1.375" ID SN at 3246' | 1 |
| (1) 1-1/2" 2.9#, J-55 EUE 10rd w/ orange peeled perf nipple | 38 |
| Set at: 3285 ft | |

| MV Tubing: (11/1994) | Length (ft) |
|---|-------------|
| KB | 12 |
| (1) 1-1/2" 2.9#, J-55 EUE 10rd tbg jt | 32 |
| (4) 1-1/2" pup jts (8', 6', 6', 2') | 22 |
| (122) 1-1/2" 2.9#, J-55 EUE 10rd tbg jt | 3936 |
| (1) 3 Unit Seal Assembly at 4000' | 6 |
| (56) 1-1/2" 2.9#, J-55 EUE 10rd tbg jt | 1823 |
| (1) 1.375" ID SN at 5829' | 1 |
| (1) 1-1/2" 2.9#, J-55 EUE 10rd tbg jt w/ MS end | 32 |
| Set at: 5864 ft | |

Red text: Tubing is reported as 2-1/16" in reports from pkr to surface but 1-1/2" in tally EOT may be at 5827'

Perforations: (10/1994)
PLO: (5658'-5906') 38, 0.36" holes. 5658', 60', 67', 70', 73', 76', 79', 97', 5700', 3', 6', 9', 12', 15', 29', 33', 37', 40', 43', 46', 49', 52', 63', 66', 69', 72', 75', 93', 95', 5802', 32', 42', 55', 58', 61', 64', 87', 5906'. Acidize w/ 1,000 gal 7.5% HCl. Frac w/ 85,300# 20/40 sand and 83,790 gal of slick water.
CH/MEN: (5375'-5644') 46, 0.36" holes. 5375', 79', 5406', 9', 12', 15', 18', 23', 26', 29', 32', 39', 47', 52', 60', 62', 64', 67', 70', 73', 83', 98', 5501', 4', 7', 10', 13', 17', 20', 23', 26', 29', 49', 54', 72', 83', 86', 89', 92', 95', 98', 5601', 4', 7', 32', 44'. Acidize w/ 1,000 gal 7.5% HCl. Frac w/ 90,100# 20/40 sand w/ 94,416 gal of slick water.
PC: (3196'-3288') 1SP2F, 33, 0.36" holes. 3196'-3224', 3243'-3259', 3266'-3274', 3282'-3288'. Acidize w/ 1,500 gal 7.5% HCl. Frac w/ 77,000# 20/40 sand in 10,164 gal 30# x-link gel and 70Q foam.

| Formations: | MD | | |
|-----------------|-------|---------------|-------|
| Ojo Alamo | 2363' | Point Lookout | 5662' |
| Kirtland | 2456' | Mancos | 5940' |
| Fruitland | 2900' | | |
| Pictured Cliffs | 3195' | | |
| Cliff House | 5306' | | |

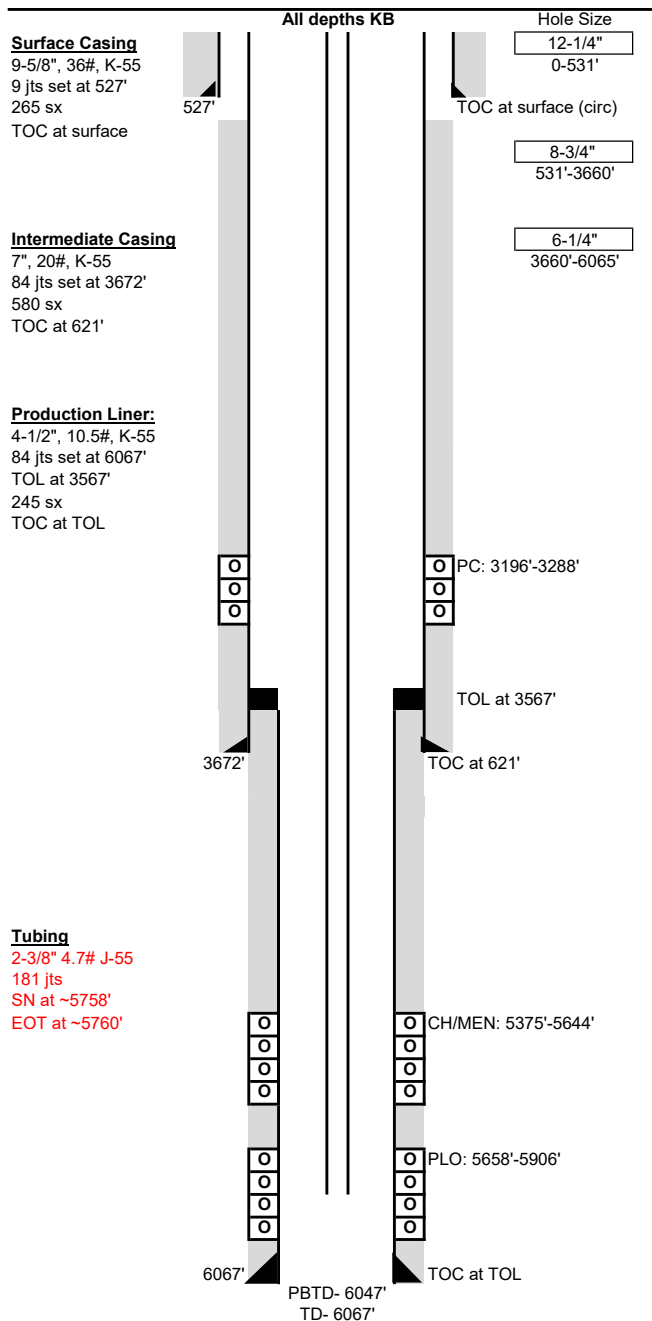
Additional Notes:
 11/1994 Initial Completion. Completed the PC & MV and installed 1-1/2" tubing with a packer at 4000' to isolate formations.
Red text: Tubing is reported as 2-1/16" in reports from pkr to surface but 1-1/2" in tally EOT also varies between 5827' and 5864'
 09/2004 TOOH w/ PC tbg and TIH w/ 2-3/8" slimhole tbg, run gyro. TOOH w/ 2-3/8" tbg. RIH w/ PC tbg w/ same configuration and EOT.
Max deviation 3° @ 5354'



Wellbore Schematic - Proposed Commingle

Well Name: Rosa Unit 138A
 Location: Sec 17, T31N, R06W 1819' FNL & 1188' FEL
 County: San Juan County, NM
 API #: 30-045-29134
 Co-ordinates: Lat 36.9019165 Long -107.4812851 NAD83
 Elevations: GROUND: 6367'
 KB: 6379'
 Depths (KB): PBTD: 6047'
 TD: 6067'

Date Prepared: 2/16/2026 Gomez
 Reviewed By:
 Last Updated:
 Spud Date: 7/27/1994
 Completion Date: 11/10/1994
 Last Workover Date: N/A



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 560687

CONDITIONS

| | |
|---|--|
| Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401 | OGRID: 289408 |
| | Action Number: 560687 |
| | Action Type: [C-107] Down Hole Commingle (C-107A) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|---|----------------|
| llowe | Ensure that a C-103E is submitted to OCD. The District will add the commingled pool to the Well File. | 3/27/2026 |