



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Completion Print

01/22/2025

| | | | |
|--|---------------------------------------|---|--|
| Operator Name LOGOS OPERATING LLC | Well Name ROSA UNIT | Well Number 704H | US Well Number 3003931442 |
| SHL NESE Sec 7 31N 5W | County RIO ARRIBA | State NM | Lease Number(s) NMSF0078767 |
| Well Type CONVENTIONAL GAS WELL | Well Status Producing Gas Well | Agreement Name | Agreement Number(s) NMNM078407E |
| Allottee/Tribe Name | Well Pad Name ROSA UNIT | Well Pad Number 700H, 702H, 706H | APD ID 10400083905 |

Section 1 - General

Well Completion Report Id: 93691**Submission Date:** 11-18-2024**BLM Office:** Farmington Field Office**User:** ETTA TRUJILLO**Title:** Regulatory Specialist**Federal/Indian:** FEDERAL**Lease Number:** NMSF0078767**Lease Acres:****Agreement in place?:** YES**Federal or Indian Agreement:** FEDERAL**Agreement Number:****Agreement Name:****Additional Information****Keep this Well Completion Report confidential?:** YES**APD Operator:** LOGOS OPERATING LLC

Section 2 - Well

Field/Pool or Exploratory:**Pool Name:** BASIN MANCOS**Field Name:** BASIN MANCOS**Well Type:** CONVENTIONAL GAS**Spud Date:** 04-10-2024**Date Total Measured Depth Reached:** 07-22-2024**Drill & Abandon or Ready To Produce:** READY TO PRODUCE**Well Class:** HORIZONTAL

| | | | |
|---|---------------------------------------|---|---|
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Section 3 - Geologic

| Formation Name | Lithology | Describe Lithology | Elevation | TVD | MD | Mineral Resources | Describe Mineral |
|-----------------|-----------------------------|--------------------|-----------|------|------|-------------------|------------------|
| NACIMIENTO | SANDSTONE, SHALE | | 6295 | 0 | 0 | NONE | |
| OJO ALAMO | SANDSTONE, SHALE | | 3903 | 2423 | 2437 | NONE | |
| KIRTLAND | SANDSTONE, SHALE | | 3793 | 2526 | 2541 | NONE | |
| FRUITLAND | COAL, SANDSTONE, SHALE | | 3304 | 2873 | 2890 | NATURAL GAS | |
| PICTURED CLIFFS | SANDSTONE, SHALE | | 2981 | 3342 | 3360 | NATURAL GAS | |
| LEWIS | SHALE | | 2876 | 3470 | 3488 | NATURAL GAS | |
| CHACRA | SANDSTONE | | 1751 | 4602 | 4638 | NATURAL GAS | |
| MENEFEE | COAL, SANDSTONE, SHALE | | 933 | 5362 | 5378 | NONE | |
| CLIFFHOUSE | SANDSTONE | | 987 | 5372 | 5422 | NATURAL GAS | |
| POINT LOOKOUT | SANDSTONE, SHALE | | 704 | 5635 | 5688 | NATURAL GAS | |
| MANCOS | SANDSTONE, SHALE, SILTSTONE | | 167 | 6183 | 6240 | NATURAL GAS | |

Completion and Completed

| | | | |
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Completion Data

| Wellbore Code | Completion Code | Interval Number | Case Number | Lease Number | Well Completion Type | Describe Well Completion Type | Completion Status | Date Completed | Date First Produced | Formation | Interval Top (MD) | Interval Bottom (MD) | Interval Perforated? | Perforation Size | Number of Holes | Status of Interval |
|---------------|-----------------|-----------------|-------------|--------------|----------------------|-------------------------------|-------------------|----------------|---------------------|-----------|-------------------|----------------------|----------------------|------------------|-----------------|--------------------|
| 00 | S1 | 1 | NMNM078407E | NMSF0078767 | NEW | | PGW | 10-10-2024 | 10-17-2024 | MANCOS | 7314 | 20713 | Y | .35 | | OPEN |

Treatment Data

| Wellbore Code | Completion Code | Interval Number | Interval Treated? | Treatment Type | Totle Fluid (bbls) | Total Proppant (lbs) | Treatment Remarks |
|---------------|-----------------|-----------------|-------------------|----------------|--------------------|----------------------|-------------------|
| 00 | S1 | 1 | Y | FRAC | 808995 | 31016287 | |

Production Data

| Wellbore Code | Completion Code | Interval Number | API Oil Gravity | Gas Gravity | Production Method | Describe Production | Disposition of Gas | Describe Disposition |
|---------------|-----------------|-----------------|-----------------|-------------|-------------------|---------------------|--------------------|----------------------|
| 00 | S1 | 1 | | | FLOWS FROM WELL | | SOLD | |

Test Data

| Wellbore Code | Completion Code | Interval Number | Test Date | Hours Tested | 24-Hour Rate Oil (bbls) | 24-Hour Rate Gas (MCF) | 24-Hour Rate Water(BWPD) | Gas-Oil Ratio (SCF/Bbl) | Choke Size | Tubing Pressure | Tubing Pressure Shut-In (psi) | Casing Pressure (psi) |
|---------------|-----------------|-----------------|-----------|--------------|-------------------------|------------------------|--------------------------|-------------------------|------------|-----------------|-------------------------------|-----------------------|
| | | | | | | | | | | | | |

| | | | |
|---|---------------------------------------|---|---|
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|---------------|-----------------|-----------------|------------|--------------|-------------------------|------------------------|--------------------------|-------------------------|------------|-----------------|-------------------------------|-----------------------|
| 00 | S1 | 1 | 10/17/2024 | 24 | 0 | 1634 | 606 | 0 | 20/64 | | | 2934 |

Well Location

Survey Type: RECTANGULAR

Survey Number:

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum: GL

| | State | Meridian | County | Latitude | Longitude | Elevation (MSL) | MD (ft) | TVD (ft) | Lease Type | Lease Number | Plug TVD (ft) | Plug MD (ft) | Plug Type | NS-Foot | NS-Indicator | EW-Foot | EW-Indicator | Township | Range | Section | Aliquot/Lot/Tract |
|-----------------|------------|----------------------|------------|-----------|-------------|-----------------|---------|----------|------------|--------------|---------------|--------------|-----------|---------|--------------|---------|--------------|----------|-------|---------|-------------------|
| SHL | NEW MEXICO | NEW MEXICO PRINCIPAL | RIO ARRIBA | 36.913904 | -107.399208 | 6295 | N/A | N/A | FEDERAL | NMSF078767 | | | | 2592 | FSL | 1308 | FEL | 31N | 5W | 7 | NESE |
| KOP Wellbore 00 | NEW MEXICO | NEW MEXICO PRINCIPAL | RIO ARRIBA | 36.915837 | -107.39827 | -58 | 6411 | 6353 | FEDERAL | NMSF078767 | | | | 1974 | FNL | 1033 | FEL | 31N | 5W | 7 | SENE |
| PPP Wellbore 00 | NEW MEXICO | NEW MEXICO PRINCIPAL | RIO ARRIBA | 36.915944 | -107.396392 | | 0 | 0 | FEDERAL | NMSF078763 | | | | 0 | FSL | 0 | FEL | 31N | 5W | 9 | SWNW |
| PPP Wellbore 00 | NEW MEXICO | NEW MEXICO PRINCIPAL | RIO ARRIBA | 36.915944 | -107.396392 | 6295 | 0 | 0 | FEDERAL | NMSF078767 | | | | 0 | FSL | 0 | FEL | 31N | 5W | 8 | SWNW |

| | | | |
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| | State | Meridian | County | Latitude | Longitude | Elevation (MSL) | MD (ft) | TVD (ft) | Lease Type | Lease Number | Plug TVD (ft) | Plug MD (ft) | Plug Type | NS-Foot | NS-Indicator | EW-Foot | EW-Indicator | Township | Range | Section | Aliquot/Lot/Tract |
|-------------------|------------|----------------------|------------|-----------|-------------|-----------------|---------|----------|------------|--------------|---------------|--------------|-----------|---------|--------------|---------|--------------|----------|-------|---------|-------------------|
| PPP Well bore 00 | NEW MEXICO | NEW MEXICO PRINCIPAL | RIO ARRIBA | 36.915944 | -107.396392 | -659 | 7314 | 6954 | FEDERAL | NMSF078767 | | | | 1934 | FNL | 483 | FEL | 31N | 5W | 7 | SENE |
| EXIT Well bore 00 | NEW MEXICO | NEW MEXICO PRINCIPAL | RIO ARRIBA | 36.915718 | -107.396392 | -632 | 20713 | 6927 | FEDERAL | NMSF078763 | | | | 2004 | FNL | 2446 | FWL | 31N | 5W | 10 | SENW |
| BHL Well bore 00 | NEW MEXICO | NEW MEXICO PRINCIPAL | RIO ARRIBA | 36.91575 | -107.349601 | -632 | 20997 | 6927 | FEDERAL | NMSF078763 | | | | 1992 | FNL | 2616 | FEL | 31N | 5W | 10 | SWNE |
| KOP Well bore 01 | NEW MEXICO | NEW MEXICO PRINCIPAL | RIO ARRIBA | 36.915837 | -107.39827 | -58 | 6411 | 6353 | FEDERAL | NMSF078767 | | | | 1974 | FNL | 1033 | FEL | 31N | 5W | 7 | SENE |
| PPP Well bore 01 | NEW MEXICO | NEW MEXICO PRINCIPAL | RIO ARRIBA | 36.915944 | -107.396392 | -632 | 20678 | 6927 | FEDERAL | NMSF078767 | | | | 1934 | FNL | 483 | FEL | 31N | 5W | 7 | SENE |
| PPP Well bore 01 | NEW MEXICO | NEW MEXICO PRINCIPAL | RIO ARRIBA | 36.915944 | -107.396392 | 6295 | 0 | 0 | FEDERAL | NMSF078767 | | | | 0 | | 0 | | 31N | 5W | 8 | SWNW |
| PPP Well bore 01 | NEW MEXICO | NEW MEXICO PRINCIPAL | RIO ARRIBA | 36.915944 | -107.396392 | 6295 | 0 | 0 | FEDERAL | NMSF078763 | | | | 0 | | 0 | | 31N | 5W | 9 | SWNW |
| PPP Well bore 01 | NEW MEXICO | NEW MEXICO PRINCIPAL | RIO ARRIBA | 36.915718 | -107.350311 | 6295 | 0 | 0 | FEDERAL | NMSF078763 | | | | 0 | | 0 | | 31N | 5W | 10 | SWNW |
| EXIT Well bore 01 | NEW MEXICO | NEW MEXICO PRINCIPAL | RIO ARRIBA | 36.915718 | -107.350311 | -659 | 7314 | 6954 | FEDERAL | NMSF078763 | | | | 2004 | FNL | 2446 | FWL | 31N | 5W | 10 | SENW |

| | | | |
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| Aliquot/Lot/Tract | SWNE |
|-------------------|----------------------|
| Section | 10 |
| Range | 5W |
| Township | 31N |
| EW-Indicator | FEL |
| EW-Foot | 2616 |
| NS-Indicator | FNL |
| NS-Foot | 1992 |
| Plug Type | |
| Plug MD (ft) | |
| Plug TVD (ft) | |
| Lease Number | NMSF078763 |
| Lease Type | FEDERAL |
| TVD (ft) | 6927 |
| MD (ft) | 20997 |
| Elevation (MSL) | -632 |
| Longitude | -107.349601 |
| Latitude | 36.91575 |
| County | RIO ARRIBA |
| Meridian | NEW MEXICO PRINCIPAL |
| State | NEW MEXICO |
| | BHL Well bore 01 |

Casing, Liner and Tubing

Casing and Liner

| Wellbore Code | Casing String Type | Hole Size | Top Setting Depth (MD) | Bottom Setting Depth (MD) | Casing Size | Wt(lbs/ft) | Casing Grade | Describe Other Casing Grade | Joint | Other Joint | Amount Pulled (ft) |
|---------------|--------------------|-----------|------------------------|---------------------------|-------------|------------|--------------|-----------------------------|-------|-------------|--------------------|
| 00 | SURFACE | 26 | 0 | 367 | 20.0 | 94 | J-55 | | OTHER | BTC | |
| 00 | INTERMEDIATE | 17.5 | 0 | 3444 | 13.375 | 68 | J-55 | | OTHER | BTC | |
| 00 | INTERMEDIATE | 12.25 | 0 | 6294 | 9.625 | 47 | L-80 | | OTHER | BTC | |
| 00 | PRODUCTION | 8.5 | 0 | 20977 | 5.5 | 20 | HCP-110 | | OTHER | BTC | |

| | | | |
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Cementing

| Wellbore Code | Casing String Type | Stage Tool Depth | Cement Lead Type | Cement Lead Qty (sks) | Cement Lead Yield (cu.ft/sks) | Cement Lead Top (MD) | Cement Tail Type | Cement Tail Qty (sks) | Cement Tail Yield(cu.ft/sks) | Cement Tail Top (MD) | Total (Lead + Tail) Cement Slurry Volume |
|---------------|--------------------|------------------|------------------|-----------------------|-------------------------------|----------------------|------------------|-----------------------|------------------------------|----------------------|--|
| 00 | SURFACE | | Class G | 747 | 1.15 | 0 | | | | | 153 |
| 00 | INTERMEDIATE | | Class G | 2077 | 1.9 | 0 | Class G | 532 | 1.1 | | 807.1 |
| 00 | INTERMEDIATE | | Class G | 1028 | 1.9 | 0 | Class G | 257 | 1.58 | | 1355.1 |
| 00 | INTERMEDIATE | | Class G | 470 | 1.9 | 0 | Class G | 458 | 1.1 | | 1355.1 |
| 00 | PRODUCTION | | Class G | 370 | 1.9 | 420 | Class G | 2526 | 1.59 | | 840.5 |

Tubing

| Wellbore Code | Tubing Size | Describe Other | Tubing Setting Depth (MD/ft) | Packer Depth (MD/ft) | Tubing Weight | Tubing Grade | Describe Other | Tubing Coupling | Describe Other |
|---------------|-------------|----------------|------------------------------|----------------------|---------------|--------------|----------------|-----------------|----------------|
| 00 | | | | | | | | | |

Logs

| Wellbore Code | Log Upload | Was Well Cored? | Was DST Run? | Directional Survey? | Geologic Report | Wellbore Diagram |
|---------------|------------|-----------------|--------------|---------------------|-----------------|------------------|
| 00 | YES | NO | NO | YES | NO | YES |

| | | | |
|--|---------------------------------------|---|--|
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Operator

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. 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 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 Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: LOGOS OPERATING LLC

Signed By: ETTA TRUJILLO

Title: Regulatory Specialist

Signed on: 11/18/2024

Street Address: 2010 AFTON PLACE

City: Farmington

State: NM

Zip: 87401

Phone: (505)324-4154

Email address: ETRUJILLO@LOGOSRESOURCESLLC.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Extension:

Email address:

Attachments

ROSA_UNIT_704H_20241114131927.pdf

Logos__Rosa_Unit_704H_Final_PVA_20241114132003.pdf

Rosa_Unit_704H_As_Drilled_C_102_Plat_20240829_20241114132147.pdf

Rosa_Unit_704H_As_Completed_Well_Schematic_20241114132205.pdf

ROSA_UNIT_704H_20241118100236.pdf

| | | | |
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Logos___Rosa_Unit_704H_Final_PVA_20241118100259.pdf

Rosa_Unit_704H_As_Drilled_C_102_Plat_20240829_20241118100313.pdf

Rosa_Unit_704H_As_Completed_Well_Schematic_20241118100328.pdf

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

ACKNOWLEDGMENTS

Action 439863

ACKNOWLEDGMENTS

| | |
|---|---|
| Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401 | OGRID: 289408 |
| | Action Number: 439863 |
| | Action Type: [C-105] Well (Re)Completion (C-105) |

ACKNOWLEDGMENTS

| | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion. |
| <input checked="" type="checkbox"/> | I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion. |
| <input checked="" type="checkbox"/> | I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. |

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/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 439863

CONDITIONS

| | |
|---|---|
| Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401 | OGRID: 289408 |
| | Action Number: 439863 |
| | Action Type: [C-105] Well (Re)Completion (C-105) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| plmartinez | None | 3/6/2025 |