

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 18 2020

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT

5. Lease Serial No.
NMMN107384

| | | | |
|--|--|---|--|
| 1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other | | 6. If Indian, Allottee or Tribe Name | |
| b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____ | | 7. Unit or CA Agreement Name and No. | |
| 2. Name of Operator MURCHISON OIL & GAS LLC | | Contact: CINDY COTTRELL E-Mail: ccottrell@jdmii.com | |
| 3. Address LEGACY TOWER ONE 7250 DALLAS PKY, STE 1400 PLANO, TX 75024-5002 | | 3a. Phone No. (include area code) Ph: 972.931.0700 | |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NENE 785FNL 250FEL 32.193611 N Lat, 104.015999 W Lon At top prod interval reported below SENE 1349FNL 330FEL At total depth Lot 1 1322FNL 318FWL | | 8. Lease Name and Well No. ROCK RIDGE FEDERAL BSS 7H | |
| 14. Date Spudded 06/10/2019 | | 15. Date T.D. Reached 06/26/2019 | |
| 16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 11/15/2019 | | 9. API Well No. 30-015-45731-00-S1 | |
| 18. Total Depth: MD 13140 TVD 8398 | | 19. Plug Back T.D.: MD TVD | |
| 20. Depth Bridge Plug Set: MD TVD | | 10. Field and Pool, or Exploratory PIERCE CROSSING-BONE SPRING | |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GAMMARAY | | 11. Sec., T., R., M., or Block and Survey or Area Sec 30 T24S R29E Mer NMP | |
| 22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis) | | 12. County or Parish EDDY | |
| 23. Casing and Liner Record (Report all strings set in well) | | 13. State NM | |
| 24. Tubing Record | | 17. Elevations (DF, KB, RT, GL)* 2914 GL | |

| Hole Size | Size/Grade | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 16.000 | 13.375 J55 | 48.0 | 0 | 370 | | 400 | 95 | 0 | |
| 12.250 | 9.625 J55 | 36.0 | 0 | 2775 | | 960 | 289 | 0 | |
| 8.500 | 5.500 P110 | 20.0 | 0 | 13120 | | 1790 | 563 | 1590 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
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| | | | | | | | | |
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| | | | | | | | | |

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|----------------|------|--------|---------------------|-------|-----------|--------------|
| A) BONE SPRING | 8560 | 13085 | 8560 TO 13085 | 0.420 | 1056 | OPEN |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

| Depth Interval | Amount and Type of Material |
|----------------|---|
| 8560 TO 13085 | 9,225,300# SD; 2,095 BBLs 15% HCL ACID; 290,481 BBLs TOTAL WATER VOLUME |
| | |
| | |
| | |

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 11/15/2019 | 12/10/2019 | 24 | → | 1064.0 | 974.0 | 1466.0 | 49.7 | | FLOWS FROM WELL |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| 31/64 | SI | 1000.0 | → | 1064 | 974 | 1466 | 915 | POW | |

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| | | | → | | | | | | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| | SI | | → | | | | | | |

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #500234 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

db

28b. Production - Interval C

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| | | | → | | | | | | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| | | | → | | | | | | |

28c. Production - Interval D

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| | | | → | | | | | | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| | | | → | | | | | | |

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

| Formation | Top | Bottom | Descriptions, Contents, etc. | Name | Top Meas. Depth |
|-----------------|------|--------|------------------------------|--|--|
| BONE SPRING 2ND | 8313 | 9382 | OIL & GAS | DELAWARE CHERRY CANYON BRUSHY CANYON AVALON SAND BONE SPRING 1ST BONE SPRING 2ND BONE SPRING 3RD WOLFCAMP | 2766 3703 5145 6623 7519 8313 9382 9822 |

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #500234 Verified by the BLM Well Information System.
For MURCHISON OIL & GAS LLC, sent to the Carlsbad
Committed to AFMSS for processing by DINAH NEGRETE on 03/17/2020 (20DCN0030SE)

Name (please print) CINDY COTTRELLTitle REGULATORY COORDINATOR

Signature _____ (Electronic Submission)

Date 01/22/2020

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Revisions to Operator-Submitted EC Data for Well Completion #500234

| | Operator Submitted | BLM Revised (AFMSS) |
|---|--|--|
| Lease: | NMNM107384 | NMNM107384 |
| Agreement: | | |
| Operator: | MURCHISON OIL & GAS LLC 7250 DALLAS PARKWAY STE 1400 PLANO, TX 75024 Ph: 972-931-0700 | MURCHISON OIL & GAS LLC LEGACY TOWER ONE 7250 DALLAS PKY, STE 1400 PLANO, TX 75024-5002 Ph: 972.931.0700 |
| Admin Contact: | CINDY COTTRELL REPORT PREPARER E-Mail: ccottrell@jdmii.com Ph: 972-931-0700 Ext: 113 | CINDY COTTRELL REGULATORY COORDINATOR E-Mail: ccottrell@jdmii.com Ph: 972.931.0700 |
| Tech Contact: | CINDY COTTRELL REPORT PREPARER E-Mail: ccottrell@jdmii.com Ph: 972-931-0700 Ext: 113 | CINDY COTTRELL REGULATORY COORDINATOR E-Mail: ccottrell@jdmii.com Ph: 972.931.0700 |
| Well Name: Number: | ROCK RIDGE FEDERAL BSS 7H | ROCK RIDGE FEDERAL BSS 7H |
| Location: State: County: S/T/R: Surf Loc: | NM EDDY Sec 30 T24S R29E Mer NMP NENE Lot A 785FNL 250FEL | NM EDDY Sec 30 T24S R29E Mer NMP NENE 785FNL 250FEL 32.193611 N Lat, 104.015999 W Lon |
| Field/Pool: | PIERCE CROSSING; BS S | PIERCE CROSSING-BONE SPRING |
| Logs Run: | GAMMA RAY | GAMMARAY |
| Producing Intervals - Formations: | BONE SPRING | BONE SPRING |
| Porous Zones: | 2ND BONE SPRING | BONE SPRING 2ND |
| Markers: | DELAWARE CHERRY CANYON BRUSHY CANYON AVALON SHALE 1ST BONE SPRING SAND 2ND BONE SPRING SAND 3RD BONE SPRING SAND WOLFCAMP | DELAWARE CHERRY CANYON BRUSHY CANYON AVALON SAND BONE SPRING 1ST BONE SPRING 2ND BONE SPRING 3RD WOLFCAMP |