

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
OCD Artesia

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018 /

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

Lease Serial No.
NMNM107384

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|--|---|---|
| SUBMIT IN TRIPLICATE - Other instructions on page 2 | | 6. If Indian, Allottee or Tribe Name |
| 1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 7. If Unit or CA/Agreement, Name and/or No. |
| 2. Name of Operator MURCHISON OIL & GAS INC Contact: CINDY COTTRELL E-Mail: ccottrell@jdmii.com | | 8. Well Name and No. ROCK RIDGE FEDERAL BSS 4H |
| 3a. Address LEGACY TOWER ONE 7250 DALLAS PKY, STE 1400 PLANO, TX 75024 | 3b. Phone No. (include area code) Ph: 972.931.0700 | 9. API Well No. 30-015-45730-00-X1 |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 30 T24S R29E NENE 350FNL 300FEL 32.194809 N Lat, 104.016159 W Lon | | 10. Field and Pool or Exploratory Area WILLOW LAKE-BONE SPRING |
| | | 11. County or Parish, State EDDY COUNTY, NM |

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|--|--|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other: Drilling Operations |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

3/25/19: Spud well at 3:00 PM. TD 16 in. hole at 387 ft.
3/26/19: Ran 9 jts 13.375 in. 48# J55 csg set at 376 ft. Cmt w/250 sx Class C w/2% CaCl yield
1.34. No cmt to surface. Perform top job at 63 ft. using 1 in. tbg and 50 sx Class C + 2% CaCl;
circulated 2 bbls to surface.
3/28/19: Test csg to 500 psi & held 30 min; OK. WOC 33.5 hrs.
3/30/19: TD 12.25 in. hole at 2785 ft.
3/31/19: Ran 66 jts 9.625 in. 36# J55 csg set at 2,779 ft. Cmt w/720 sx Class C yield 1.82; tail
w/240 sx Class C. Circulated 185 sx to surface.
4/1/19: Test csg to 1000 psi & held 30 min; OK. WOC 32.5 hrs. Drill 10 ft. to 2795 ft. and perform
FIT w/9.1 EMW, 419 psi held for 30 min; OK.
4/9/19: TD 8.5 in. hole at 13,070 ft.
4/10/19: Ran 245 jts 5.5 in. 20# P110 csg set at 13,055 ft. Cmt w/575 sx Class H yield 2.82; tail

GC 4/30/19
Accepted for record - NMOCD

RECEIVED

APR 25 2019

DISTRICT II-ARTESIA O.C.D.

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|--|---------------------------|
| 14. I hereby certify that the foregoing is true and correct. Electronic Submission #462059 verified by the BLM Well Information System For MURCHISON OIL & GAS INC, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 04/18/2019 (19PP1740SE) | |
| Name (Printed/Typed) LUKE PUMPHREY | Title OPERATIONS ENGINEER |
| Signature (Electronic Submission) | Date 04/18/2019 |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

| | | |
|---|--|-------------------------|
| Approved By _____ | Title Accepted for Record | Date APR 19 2019 |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office Jonathon Shepard Carlsbad Field Office | |

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.

(Instructions on page 2)

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

Additional data for EC transaction #462059 that would not fit on the form

32. Additional remarks, continued

w/1155 sx Class H yield 1.34. Top of cement estimated at 1700 ft.
4/11/19: Released rig at 1 AM.