

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office

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.*

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| 5. Lease Serial No.<br>NMNM107384                                    |
| 6. If Indian, Allottee or Tribe Name                                 |
| 7. If Unit or CA/Agreement, Name and/or No.                          |
| 8. Well Name and No.<br>ROCK RIDGE FEDERAL WCB 1H                    |
| 9. API Well No.<br>30-015-45728-00-X1                                |
| 10. Field and Pool or Exploratory Area<br>PURPLE SAGE-WOLFCAMP (GAS) |
| 11. County or Parish, State<br>EDDY COUNTY, NM                       |

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

|  |  |
|--|--|
| 1. Type of Well<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other                       |  |
| 2. Name of Operator<br>MURCHISON OIL & GAS LLC   | Contact: CINDY COTTRELL<br>E-Mail: ccottrell@jdmii.com |
| 3a. Address<br>LEGACY TOWER ONE 7250 DALLAS PKY, STE 1400<br>PLANO, TX 75024-5002  | 3b. Phone No. (include area code)<br>Ph: 972.931.0700  |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br><br>Sec 30 T24S R29E NENE 310FNL 300FEL<br>32.194916 N Lat, 104.016159 W Lon |  |

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 |
|   | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       | Drilling Operations                       |
|   | <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 recomple 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 recompletion 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.

4/24/19: Spud well at 12:30 AM. TD 16 in. hole at 382 ft. Ran 9 jts 13.375 in. 48# J55 csg set at 352 ft. Cmt w/355 sx Class C w/2% CaCl, yield 1.34. Circulated 92 sx cmt to surface.  
4/25/19: Test csg to 500 psi & held 30 min; OK.  
4/26/19: WOC 38.5 hrs.  
5/4/19: TD 12.25 in hole at 9550 ft.  
5/5/19: Ran 225 jts 9.625 in. 43.5# & 40# HCP110 csg set at 9,536 ft. First stage lead w/870 sx Class H, yield 2.83; tail w/175 sx Class H yield 1.18. Second stage lead w/1000 sx Class C, yield 2.82; tail w/ 480 sx Class C 1.32 yield. Circulated 1054 sx to surface.  
5/7/19: Test csg to 2500 psi & held 30 min; OK. WOC 37 hrs. Perform FIT w/14 EMW, 1932 psi and held for 30 min; OK.  
5/18/19: TD 8.5 in. hole at 15,450 ft.  
5/20/19: Ran 353 jts 5.5 in. 20# P110 csg set at 15423 ft. Cmt w/510 sx Class H, yield 2.76; tail

GC 6/25/19  
Accepted for record - NMOC

RECEIVED

JUN 25 2019

DISTRICT II-ARTESIA O.C.D.

|   |                           |
|---|---------------------------|
| 14. I hereby certify that the foregoing is true and correct.  |                           |
| Electronic Submission #466340 verified by the BLM Well Information System<br>For MURCHISON OIL & GAS LLC, sent to the Carlsbad<br>Committed to AFMSS for processing by PRISCILLA PEREZ on 05/22/2019 (19PP2209SE) |                           |
| Name (Printed/Typed) LUKE PUMPHREY  | Title OPERATIONS ENGINEER |
| Signature (Electronic Submission)   | Date 05/22/2019           |

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

|   |   |                         |
|---|---|-------------------------|
| Approved By _____   | Title <b>Accepted for Record</b>          | Date <b>MAY 29 2019</b> |
| 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. | Jonathon Shepard<br>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 #466340 that would not fit on the form**

**32. Additional remarks, continued**

w/1195 sx Class H yield 1.29. Top of cement estimated at 5000 ft.; Rig Released at 6 PM.