Form 3160-5
(June 2015)

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
NMNM107384

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
ROCK RIDGE FEDERAL WCB 8H

2. Name of Operator
MURCHISON OIL & GAS LLC
Contact: CINDY COTTRELL
E-Mail: ccottrell@jdmii.com

9. API Well No.
30-015-45874-00-X1

3a. Address
LEGACY TOWER ONE 7250 DALLAS PKY, STE 1400
PLANO, TX 75024-5002

3b. Phone No. (include area code)
Ph: 972.931.0700

10. Field and Pool or Exploratory Area
PURPLE SAGE-WOLFCAMP (GAS)

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 30 T24S R29E NENE 805FNL 250FEL
32.193554 N Lat, 104.015999 W Lon

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			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change to Original A PD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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.

Murchison Oil and Gas, LLC respectfully requests permission to change setting depth of the intermediate 9 5/8 inch P110HC, 43.5 lb casing to 9500 feet. Safety factor for burst is 14.71, collapse is 1.21, and tension is 9.84.
We also respectfully request permission to change the percent excess of cement on the intermediate first stage 3000 to 9500 feet from 80% excess to 30% excess.
Cementing operations were recently finished on Rock Ridge Federal WCXY 2H (30-015-45729) intermediate section which is at 9000 feet and we determined that there is only 17.956% washout on the first stage of intermediate cement.
Percent washout was calculated by using amount of cement pumped minus cement to surface divided by annulus capacity.
The new cement program for first stage intermediate would be as follows:
Lead 870 sxs, yield 2.83, density 11.5

RECEIVED
JUN 25 2019
DISTRICT II-ARTESIA O.C.D.

All Previous Conditions of Approval still apply.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #466056 verified by the BLM Well Information System
For MURCHISON OIL & GAS LLC, sent to the Carlsbad
Committed to AFMSS for processing by PRISCILLA PEREZ on 05/22/2019 (19PP2216SE)

Name *(Printed/Typed)* LUKE PUMPHREY — Title OPERATIONS ENGINEER

Signature (Electronic Submission) — Date 05/20/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By DYLAN ROSSMANGO — Title PETROLEUM ENGINEER — Date 05/28/2019

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 Carlsbad

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 ****

RVP 7-5-19.