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Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

EMERD-OCDARTESIA

5. Lease Serial No. MNM107384

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. ROCK RIDGE FEDERAL WCXY 6H

9. API Well No. 30-015-45873-00-S1

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

11. Sec., T., R., M., or Block and Survey or Area Sec 30 T24S R29E Mer NMP

12. County or Parish EDDY 13. State NM

17. Elevations (DF, KB, RT, GL)\* 2914 GL

1a. Type of Well [ ] Oil Well [x] Gas Well [ ] Dry [ ] Other
b. Type of Completion [x] New Well [ ] Work Over [ ] Deepen [ ] Plug Back [ ] Diff. Resvr. Other

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 765FNL 250FEL 32.193665 N Lat, 104.015999 W Lon
At top prod interval reported below NENE 1319FNL 330FEL
At total depth Lot 1 1301FNL 333FWL

14. Date Spudded 06/28/2019 15. Date T.D. Reached 08/17/2019 16. Date Completed [ ] D & A [x] Ready to Prod. 11/15/2019

18. Total Depth: MD 14438 TVD 9726 19. Plug Back T.D.: MD TVD 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GAMMARAY 22. Was well cored? [x] No [ ] Yes (Submit analysis) Was DST run? [x] No [ ] Yes (Submit analysis) Directional Survey? [ ] No [x] Yes (Submit analysis)

Table with 10 columns: 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. Contains 4 rows of data.

Table with 10 columns: Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD). All cells are empty.

Table with 7 columns: Formation, Top, Bottom, Perforated Interval, Size, No. Holes, Perf. Status. Contains 4 rows of data (A, B, C, D).

Table with 2 columns: Depth Interval, Amount and Type of Material. Row 1: 9875 TO 14400, 9,225,300# SD; 2,095 BBLs 15% HCL ACID; 301,690 BBLs TOTAL WATER VOLUME.

Table with 10 columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr. API, Gas Gravity, Production Method. Row 1: 11/15/2019, 12/17/2019, 24, 1199.0, 2002.0, 2480.0, 48.7, PGW, FLOWS FROM WELL.

Table with 10 columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr. API, Gas Gravity, Production Method. Row 1: SI, SI, 1752.0, 1199, 2002, 2480, 1670, PGW.

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

ELECTRONIC SUBMISSION #500237 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\*

Handwritten signature/initials.

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
WOLFCAMP	9822		OIL & GAS	DELAWARE	2766
				CHERRY CANYON	3703
				BRUSHY CANYON	5145
				AVALON SAND	6623
				BONE SPRING 1ST	7519
				BONE SPRING 2ND	8313
				BONE SPRING 3RD	9382
				WOLFCAMP	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 #500237 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 (20DCN0028SE)**

Name (please print) CINDY COTTRELL Title 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 #500237

	<b>Operator Submitted</b>	<b>BLM Revised (AFMSS)</b>
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 WCXY 6H	ROCK RIDGE FEDERAL WCXY 6H
Location: State: County: S/T/R: Surf Loc:	NM EDDY Sec 30 T24S R29E Mer NMP NENE Lot A 765FNL 250FEL	NM EDDY Sec 30 T24S R29E Mer NMP NENE 765FNL 250FEL 32.193665 N Lat, 104.015999 W Lon
Field/Pool:	PURPLE SAGE-WOLFCAMP GAS	PURPLE SAGE-WOLFCAMP (GAS)
Logs Run:	GAMMA RAY	GAMMARAY
Producing Intervals - Formations:	WOLFCAMP	WOLFCAMP
Porous Zones:	WOLFCAMP	WOLFCAMP
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