

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 AND LOG

Lease Serial No.
MNM107384

1a. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion 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 745FNL 250FEL 32.193718 N Lat, 104.015999 W Lon
At top prod interval reported below SENE 2228FNL 330FEL
At total depth Lot 2 2305FNL 319FWL

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 5H

9. API Well No. 30-015-45872-00-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

14. Date Spudded 07/12/2019 15. Date T.D. Reached 08/30/2019 16. Date Completed D & A Ready to Prod. 11/15/2019 17. Elevations (DF, KB, RT, GL)* 2914 GL

18. Total Depth: MD 14538 TVD 9732 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? No Yes (Submit analysis)
Was DST run? No Yes (Submit analysis)
Directional Survey? No Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
16.000	13.375 J55	48.0	0	359		860	206	0	
12.250	9.625 P110	40.0	0	6464	3029	2020	612	0	
8.500	5.500 P110	20.0	0	14523		1615	486	7950	
12.250	9.625 P110	43.5	6464	9033		995	431	3029	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	9960	14485	9960 TO 14485	0.420	1056	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
9960 TO 14485	9,238,500# SD; 2,095 BBLs 15% HCL ACID; 296,953 BBLs TOTAL WATER VOLUME

28. Production - Interval A

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	12/17/2019	24	→	1180.0	2050.0	2779.0	48.7		FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
29/64	SI	1963.0	→	1180	2050	2779	1737	PGW	

28a. Production - Interval B

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.	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 #500235 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED **

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 #500235 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 (20DCN0029SE)**

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 ****

Revisions to Operator-Submitted EC Data for Well Completion #500235

	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 WCXY 5H	ROCK RIDGE FEDERAL WCXY 5H
Location:		
State:	NM	NM
County:	EDDY	EDDY
S/T/R:	Sec 30 T24S R29E Mer NMP	Sec 30 T24S R29E Mer NMP
Surf Loc:	NENE Lot A 745FNL 250FEL	NENE 745FNL 250FEL 32.193718 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