

# NM OIL CONSERVATION

ARTESIA DISTRICT  
OCD Artesia

OCT 10 2014

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

**RECEIVED**

5. Lease Serial No.  
NMNM030752

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
WAR HORSE FED COM 3H

9. API Well No.  
30-015-41227-00-S1

10. Field and Pool, or Exploratory  
WC G 04 S182927M

11. Sec., T., R., M., or Block and Survey  
or Area Sec 21 T18S R29E Mer NMP

12. County or Parish  
EDDY

13. State  
NM

17. Elevations (DF, KB, RT, GL)\*  
3479 GL

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
04/02/2014

15. Date T.D. Reached  
03/08/2014

14. Date Spudded  
01/21/2014

20. Depth Bridge Plug Set: MD  
TVD

19. Plug Back T.D.: MD  
TVD

18. Total Depth: MD  
TVD

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit analysis)  
Directional Survey? ☐ No ☒ Yes (Submit analysis)

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 INC Contact: CINDY COTTRELL  
E-Mail: ccottrell@dmii.com

3. Address 1100 MIRA VISTA BOULEVARD  
PLANO, TX 75093-4698 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 NESE 2290FSL 175FEL

At top prod interval reported below NWSW 2232FSL 330FWL

At total depth NWSW 2232FSL 330FWL

14. Date Spudded  
01/21/2014

15. Date T.D. Reached  
03/08/2014

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
04/02/2014

18. Total Depth: MD  
TVD

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

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

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
16.000	13.375 J-55	54.5	0	280		1305		0	
12.250	9.625 P-110	47.0	0	6075		2885		0	
7.875	5.500 P-110	17.0	0	12398		1985		0	

### 24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	8011							

### 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	8010	12330	8010 TO 12330		629	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
8010 TO 12330	3,801,991 LBS SAND; 74,574 BBLs TREATED WATER; 931 BBLs ACID

### 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
04/07/2014	05/17/2014	24	→	268.0	214.0	621.0	39.7		
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64/64	SI	1010.0	→	268	214	621	799	POW	

### 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 #247901 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

**ACCEPTED FOR RECORD**

OCT 4 2014

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

**RECLAMATION**

DATE 10-2-14

AB

## 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
SEVEN RIVERS	1440	2070	SAND & ANHYDRITE	TOP SALT	480
QUEEN	2070	2370	SAND & ANHYDRITE	SEVEN RIVERS	1440
GRAYBURG	2370	2900	DOLOMITE	QUEEN	2070
SAN ANDRES	2900	3950	DOLOMITE, LIMESTONE, SILT	GRAYBURG	2370
FIRST BONE SPRING SAND	6700	7530	SAND	SAN ANDRES	2900
				BONE SPRING LIME	3950

## 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 #247901 Verified by the BLM Well Information System.

For MURCHISON OIL & GAS INC, sent to the Carlsbad

Committed to AFMSS for processing by DUNCAN WHITLOCK on 06/19/2014 (14DW0099SE)

Name (please print) STEVE MORRIS

Title SENIOR DRILLING ENGINEER

Signature (Electronic Submission)

Date 06/03/2014

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 \*\*