

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised October 15, 2009

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address MURCHISON OIL & GAS, INC. 1100 MIRA VISTA BLVD. PLANO, TX 75093-4698		² OGRID Number 015363
		³ Reason for Filing Code/ Effective Date NEW WELL 04/02/14
⁴ API Number 30 - 015-41227	⁵ Pool Name WILDCAT G-04 S182927M; BONE SPRING	⁶ Pool Code 97908
⁷ Property Code 39654	⁸ Property Name WAR HORSE FEDERAL	⁹ Well Number 3H

II. ¹⁰ Surface Location

UL or lot no. I	Section 21	Township 18S	Range 29E	Lot Idn	Feet from the 2290	North/South Line SOUTH	Feet from the 175	East/West line EAST	County EDDY
--------------------	---------------	-----------------	--------------	---------	-----------------------	---------------------------	----------------------	------------------------	----------------

¹¹ Bottom Hole Location

UL or lot no. L	Section 21	Township 18S	Range 29E	Lot Idn	Feet from the 2232	North/South line SOUTH	Feet from the 330	East/West line WEST	County EDDY
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 04/16/14	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
147831	AGAVE ENERGY 105 S. 4 TH STREET ARTESIA, NM 88210	G
214754	LPC CRUDE OIL, INC. P.O. BOX 3821 MIDLAND, TX 79702	O
	NM OIL CONSERVATION ARTESIA DISTRICT	
	JUN 06 2014	
	RECEIVED	

IV. Well Completion Data

²¹ Spud Date 01/21/2014	²² Ready Date 04/02/2014	²³ TD 12,431' MD	²⁴ PBTD N/A	²⁵ Perforations 8010'-12330'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
16	13.375	280'	1305		
12.25	9.625	6075'	2885		
7.875	5.5	12398'	1985		

V. Well Test Data

³¹ Date New Oil 04/07/2014	³² Gas Delivery Date 04/16/2014	³³ Test Date 05/17/2014	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure 160	³⁶ Csg. Pressure 1010
³⁷ Choke Size 64/64	³⁸ Oil 268	³⁹ Water 621	⁴⁰ Gas 214		⁴¹ Test Method GAS LIFT
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Michael S Daugherty by CRK</i>			OIL CONSERVATION DIVISION		
Printed name: Michael S. Daugherty			Approved by: <i>[Signature]</i>		
Title: EVP & COO			Title: <i>[Signature]</i>		
E-mail Address: mdaugherty@jdmii.com			Approval Date: 7-2-14		
Date 06/03/14		Phone: 972-931-0700	Pending BLM approvals will subsequently be reviewed and scanned		

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

5. Lease Serial No.
NMNM030752

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

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

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

3. Address 1100 MIRA VISTA BLVD
PLANO, TX 75093-4698

3a. Phone No. (include area code)
Ph: 972-931-0700 Ext: 109

9. API Well No.
30-015-41227

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

10. Field and Pool, or Exploratory
WILDCAT G-04 S182927M

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

12. County or Parish
EDDY

13. State
NM

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

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

18. Total Depth: MD 12431
TVD 7797

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)
GAMMA RAY

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 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	11893	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

26. Perforation Record

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	NM OIL CONSERVATION ARTESIA DISTRICT JUN 06 2014

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		GAS LIFT
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			

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		→						

Pending BLM approvals will
subsequently be reviewed
and scanned

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

ELECTRONIC SUBMISSION #247901 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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	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
SECOND BONE SPRING SAND	7530		SAND	BONE SPRING LIME	3950
				FIRST BONE SPRING	6700
				SECOND BONE SPRING	7530

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

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****