

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Form C-101  
Revised July 18, 2013

Energy Minerals and Natural Resources

NM OIL CONSERVATION Oil Conservation Division

☐ AMENDED REPORT

ARTESIA DISTRICT

JUN 22 2017

1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED

*Record Clean Up*

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address Murchison Oil & Gas, Inc. 7250 Dallas Parkway, Ste. 1400, Plano, TX 75024		OGRID Number 15363 API Number 30-015-31720
Property Code 27983	Property Name High Mesa State Com	Well No.

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
P	2	17-S	28-E		1320	SOUTH	1000	EAST	EDDY

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information

Pool Name ANDERSON; WOLFCAMP, NORTH	Pool Code 97183
--	--------------------

Additional Well Information

11. Work Type A	12. Well Type O	13. Cable/Rotary	14. Lease Type P	15. Ground Level Elevation 3580
16. Multiple	17. Proposed Depth 9498 PB; 10439 TD	18. Formation Abo/Wolfcamp	19. Contractor	20. Spud Date 06/15/2001
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
SURF	17.5	13.375	68	410	355	0
INT	11	9.625	47	2116	1270	0
PROD	8.5	5.5	17	10438	1500	5618

Casing/Cement Program: Additional Comments

EXISTING CASING & CEMENT SHOWN ABOVE; NO ADDITIONAL FOOTAGE DRILLED. RECOMPLETION PROCEDURE ATTACHED.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☐, if applicable.

Signature:

Printed name: GARY R. COOPER

Title: VICE PRESIDENT OPERATIONS

E-mail Address: rcooper@jdmii.com

Date: 06/22/2017

Phone: 972-931-0700

OIL CONSERVATION DIVISION

Approved By: **Accepted For Record**  
**NMOCD**

Title:

Approved Date: 2-1-16

Expiration Date: 2-1-18

Conditions of Approval Attached

MURCHISON OIL & GAS INC.

High Mesa State Com #1

1320 FSL, 1000 FEL

Sec 2 T17S, R28E

Eddy County, NM

**Recompletion Procedure**

The subject well is completed in the Atoka and is currently uneconomical to produce. The existing perfs will be abandoned and the well will be recompleted in the Wolfcamp/Abo.

Casing:

Surface – 13 3/8", 68#, K55 @ 410' w/ cmt circ  
Intermediate - 9 5/8", 47#, N80 @ 2116' w/ cmt circ  
Production - 5 1/2", 17#, S95 & P110 @ 10,439' w/ TOC at 5620' w/ CBL

Tubing:

2 3/8", 4.7#, L80 EUE Mod w/ Arrow Set 1 packer set at 9538' (308 Jts)

Existing perfs:

Atoka – 9658'-9674'

Proposed perfs:

Wolfcamp – 7512'-7522'; Abo – 6762'-6802', 6820'-6830', 6858'-6888', 6966'-6992'

PROCEDURE:

1. Notify OCD of activities.
2. MIRU service rig.
3. TOH with tubing and packer.
4. RU wireline and set 10m CIBP at 9600'. And dump bail 20' cement on plug.
5. Perforate Wolfcamp 7512'-7522' w/ 4spf.
6. Frac Wolfcamp with 50,000# 20/40 sand.
7. Set CBP at 7000'.
8. Perforate Abo 6762'-6802', 6820'-6830', 6858'-6888', 6966'-6992' w/ 2spf.
9. Acidize Abo and ball out. Run GR-JB to knock balls off of perfs.
10. Frac Abo with 300,000# 20/40 sand.
11. Drill out CBP and clean out wellbore.
12. TIH with pumping assy, swab well to evaluate
13. Run pump and rods and return well to production.