

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
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

HOBBS OCD
SEP 25 2015
RECEIVED

Form C-101
Revised July 18, 2013

AMENDED REPORT

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

¹ Operator Name and Address Murchison Oil & Gas, Inc. 7250 Dallas Parkway, Ste. 1400, Plano, TX 75024		² OGRID Number 15363
		³ API Number 30-025-33873
⁴ Property Code 8127	⁵ Property Name Jackson Unit	⁶ Well No. 5

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
H	16	24S	33E		1980'	N	660'	E	LEA

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
H	16	24S	33E		1980'	N	660'	E	LEA

9. Pool Information

Pool Name SWD; BELL CANYON - CHERRY CANYON	Pool Code 96802
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Additional Well Information

¹¹ Work Type P (WC); A (BC/CC)	¹² Well Type S	¹³ Cable/Rotary R	¹⁴ Lease Type S	¹⁵ Ground Level Elevation 3616'
¹⁶ Multiple NO	¹⁷ Proposed Depth 7460'	¹⁸ Formation SWD; BELL/CHERRY CANYON	¹⁹ Contractor	²⁰ Spud Date UPON APPROVAL
Depth to Ground water 415'	Distance from nearest fresh water well 5244' SW		Distance to nearest surface water 5000'	

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	72	786'	490	GL
INT	12.25	9.625	47	5287'	1575	GL
PROD	8.75	7	29	12620'	1060	5225'
LINER	6.125	4.5	15.1	13908'	220	12216'

Casing/Cement Program: Additional Comments

Will set 4 plugs (see attached) and perf 5516' - 7325'

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	2000	Shaffer

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 Cooper

Title: Vice President Operations

E-mail Address: rcooper@idmii.com

Date: 9/22/15

Phone: 972-931-0700

OIL CONSERVATION DIVISION

Approved By:

Title: **Petroleum Engineer**

Approved Date: **2**

Expiration Date:

Conditions of Appro:

ADD NEW POOL

SEP 28 2015

E-PERMITTING -- New Well

INJECTION WELL DATA SHEET

OPERATOR: MURCHISON OIL & GAS, INC.

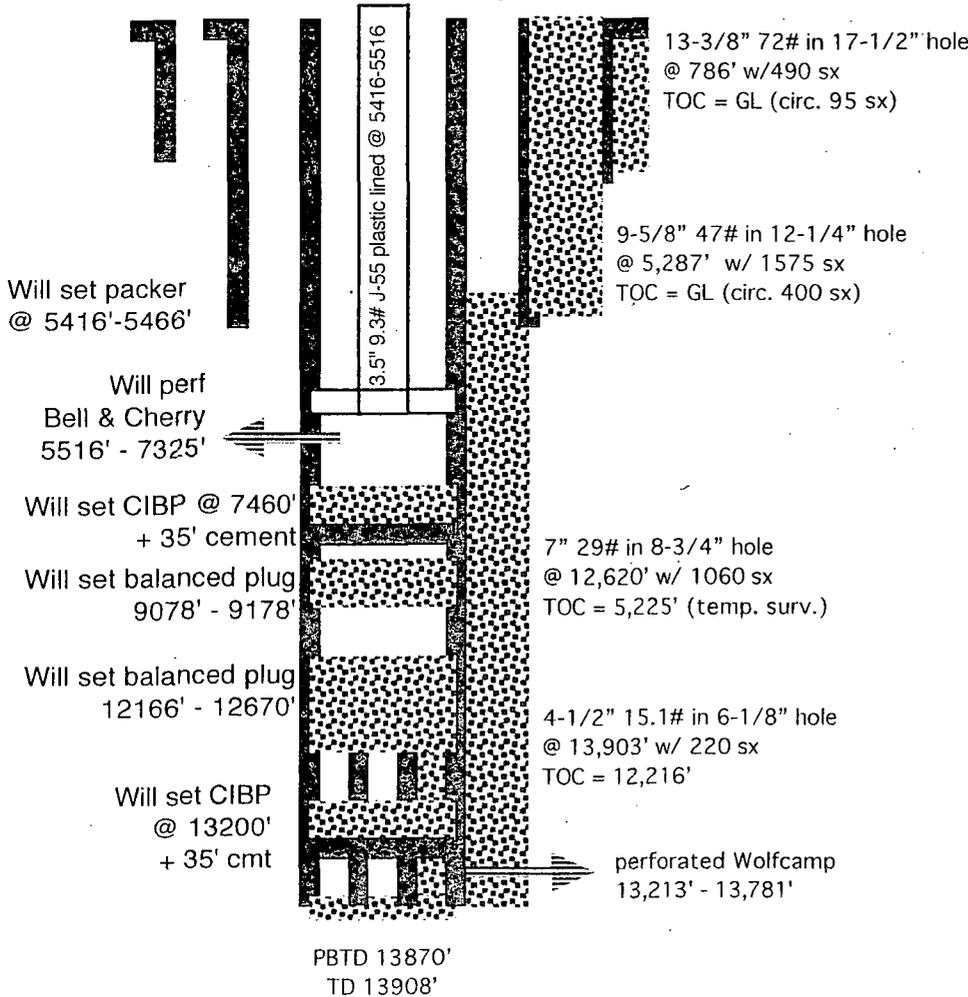
WELL NAME & NUMBER: JACKSON UNIT 5

WELL LOCATION: 1980 FNL & 660 FEL H 16 24 S 33 E
 FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing



Hole Size: 17-1/2" Casing Size: 13-3/8"
 Cemented with: 490 sx. or _____ ft³
 Top of Cement: SURFACE Method Determined: CIRC. 95 SX

Intermediate Casing

Hole Size: 12-1/4" Casing Size: 9-5/8"
 Cemented with: 1,575 sx. or _____ ft³
 Top of Cement: SURFACE Method Determined: CIRC. 400 SX

Production Casing

Hole Size: 8-3/4" Casing Size: 7"
 Cemented with: 1,060 sx. or _____ ft³
 Top of Cement: 5,225' Method Determined: TEMP. SURV.
 Total Depth: 13,908'

Injection Interval

5,516' feet to 7,325'

(not to scale)

(Perforated or ~~Open Hole~~; indicate which)