

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

Form C-101
Revised December 16, 2011

HOBBS OCD

Permit

APR 01 2013

RECEIVED

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

¹ Operator Name and Address Murchison Oil & Gas, Inc. 1100 Mira Vista Blvd., Plano, TX 75093		² OGRID Number 15363
		³ API Number 30-025-34623
⁴ Property Code 8127	⁵ Property Name Jackson Unit	⁶ Well No. 6

⁷ Surface Location

UL - Lot H	Section 21	Township 24 S	Range 33 E	Lot Idn	Feet from 1650	N/S Line North	Feet From 660	E/W Line East	County Lea
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⁸ Pool Information

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Additional Well Information

⁹ Work Type A (Delaware)	¹⁰ Well Type S	¹¹ Cable/Rotary R	¹² Lease Type S	¹³ Ground Level Elevation 3,582'
¹⁴ Multiple No	¹⁵ Proposed Depth 6,512'	¹⁶ Formation SWD; Delaware	¹⁷ Contractor	¹⁸ Spud Date upon approval
Depth to Ground water 415'		Distance from nearest fresh water well 4,342'		Distance to nearest surface water >1/3 mi.

¹⁹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf.	17-1/2"	13-3/8"	68	800'	685 sx	GL
Int.	12-1/4"	9-5/8"	40	5,224'	1,550 sx	GL
Prod.	8-3/4"	7"	29	12,607'	1,010 sx	5,166'
Liner	6-1/8"	4-1/2"	15.1	13,903'	246 sx	12,166'

Casing/Cement Program: Additional Comments

Will drill out 5 plugs and then perf 5,573' - 6,512'

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
	3,000	2,000	

SWD-1414

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

I further certify that the drilling pit will be constructed according to NMOC guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature:

Printed name: Brian Wood

Title: Consultant

E-mail Address: brian@permitswest.com

Date: Mar. 25, 2013

Phone: (505) 466-8120

OIL CONSERVATION DIVISION

Approved By:

Title: Petroleum Engineer

Approved Date:

8/05/01/13

Expiration Date:

05/01/15

Conditions of Approval Attached

MAY 01 2013

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

APR 01 2013

RECEIVED

☒ AMENDED REPORT
(convert to SWD)

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-34623	² Pool Code 96100	³ Pool Name SWD; Delaware
⁴ Property Code 8127	⁵ Property Name Jackson Unit	⁶ Well Number 6
⁷ OGRID No. 15363	⁸ Operator Name Murchison Oil & Gas, Inc.	⁹ Elevation 3582

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	21	24 S	33 E		1650	North	660	East	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ 	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order hereafter entered by the division.
	Signature: Date: 3-25-12
	Printed Name: Brian Wood E-mail Address: brian@permitswest.com
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
	Date of Survey: Apr. 20, 1999 Signature and Seal of Professional Surveyor: Original survey by Ronald Eidson on file with NMOCD
	Certificate Number: 3239

Side 1

INJECTION WELL DATA SHEET

OPERATOR: MURCHISON OIL & GAS, INC.WELL NAME & NUMBER: JACKSON UNIT 6WELL LOCATION: 1650 FNL & 660 FEL

FOOTAGE LOCATION

H

UNIT LETTER

21

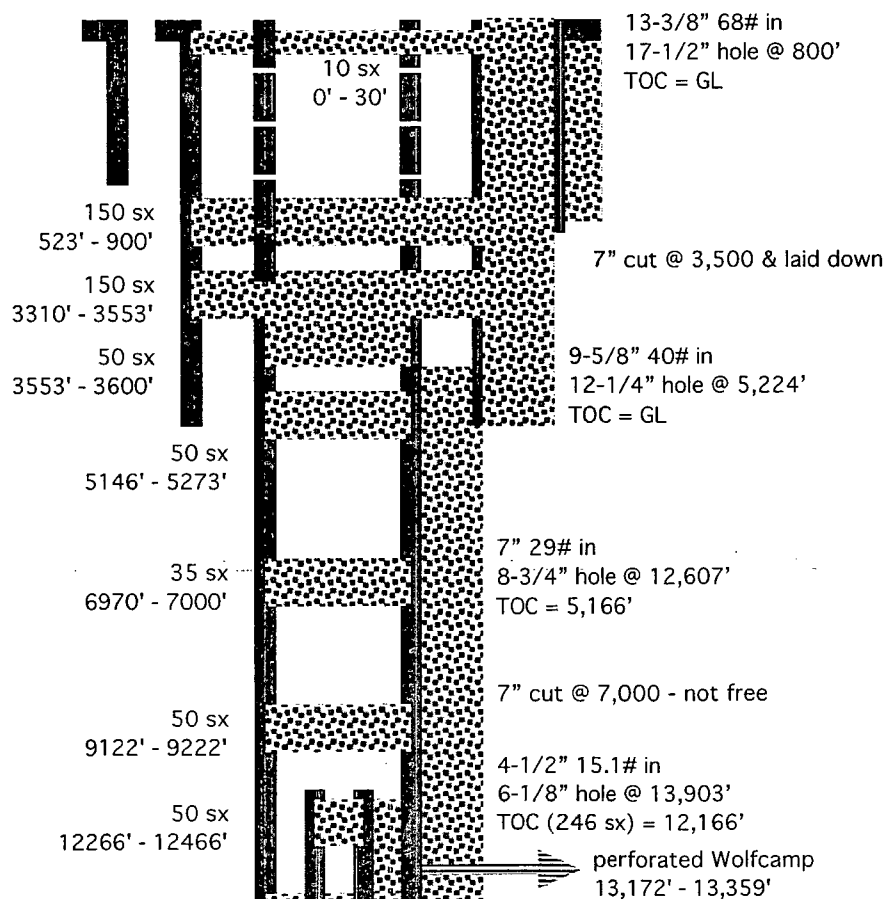
SECTION

24 S

TOWNSHIP

33 E

RANGE

WELLSBORE SCHEMATIC"As Is"

PBTB 13730'

TD 13903'

(not to scale)

WELL CONSTRUCTION DATASurface Casing

Hole Size: 17-1/2" Casing Size: 13-3/8"

Cemented with: 685 sx. or ft³

Top of Cement: SURFACE Method Determined: CIRC. 120 SX

Intermediate Casing

Hole Size: 12-1/4" Casing Size: 9-5/8"

Cemented with: 1,550 sx. or ft³

Top of Cement: SURFACE Method Determined: CIRC. 400 SX

Production Casing

Hole Size: 8-3/4" Casing Size: 7"

Cemented with: 1,010 sx. or ft³

Top of Cement: 5,066' Method Determined: CBL

Total Depth: 13,903'

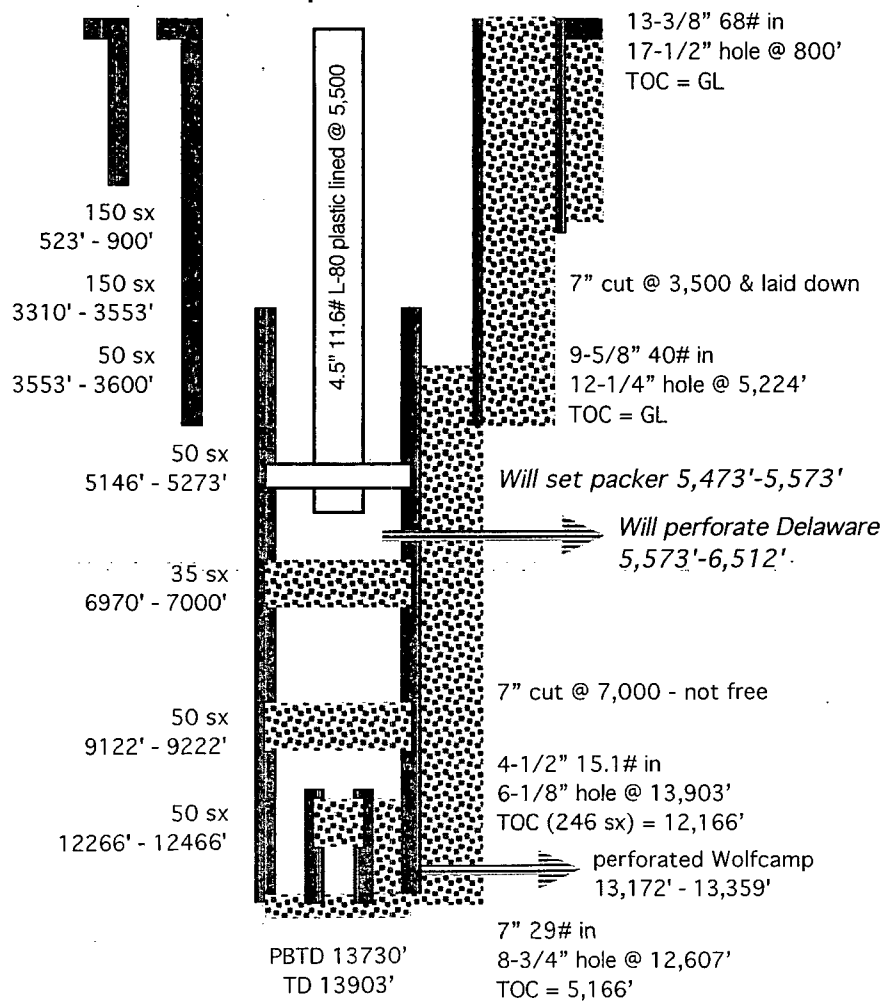
Injection Interval5,573' feet to 6,512'(Perforated ~~or Open Hole~~; indicate which)

Side 1

INJECTION WELL DATA SHEET

OPERATOR: MURCHISON OIL & GAS, INC.WELL NAME & NUMBER: JACKSON UNIT 6

WELL LOCATION: <u>1650 FNL & 660 FEL</u>	<u>H</u>	<u>21</u>	<u>24 S</u>	<u>33 E</u>
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC
"Proposed"

(not to scale)

WELL CONSTRUCTION DATASurface Casing

Hole Size: 17-1/2" Casing Size: 13-3/8"

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