

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

APR 01 2013

RECEIVED

Form C-101  
Revised December 16, 2011

Permit

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

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

<sup>7</sup> Surface Location

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

<sup>8</sup> Pool Information

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Additional Well Information

<sup>9</sup> Work Type A (Delaware)	<sup>10</sup> Well Type S	<sup>11</sup> Cable/Rotary R	<sup>12</sup> Lease Type S	<sup>13</sup> Ground Level Elevation 3,582'
<sup>14</sup> Multiple No	<sup>15</sup> Proposed Depth 6,512'	<sup>16</sup> Formation SWD; Delaware	<sup>17</sup> Contractor	<sup>18</sup> 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.	

<sup>19</sup> 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 NMOCDD guidelines , a general permit , or an (attached) alternative OCD-approved plan .

Signature:

*Brian Wood*

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:

*Brian Wood*

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

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AMENDED REPORT  
(convert to SWD)

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

<sup>10</sup> 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

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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.

<p>1650'</p> <p>660'</p>	<p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p><i>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.</i></p> <p style="text-align: right;">               Signature <span style="float: right;">Date 3-25-12</span> </p> <p style="text-align: center;">             Brian Wood              Printed Name              brian@permitswest.com              E-mail Address           </p>
	<p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p><i>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.</i></p> <p style="text-align: right;">             Apr. 20, 1999              Date of Survey           </p> <p style="text-align: center;">             Signature and Seal of Professional Surveyor:              Original survey by              Ronald Eidson              on file with NMOCD           </p>
	<p>Certificate Number <span style="float: right;">3239</span></p>

Side 1

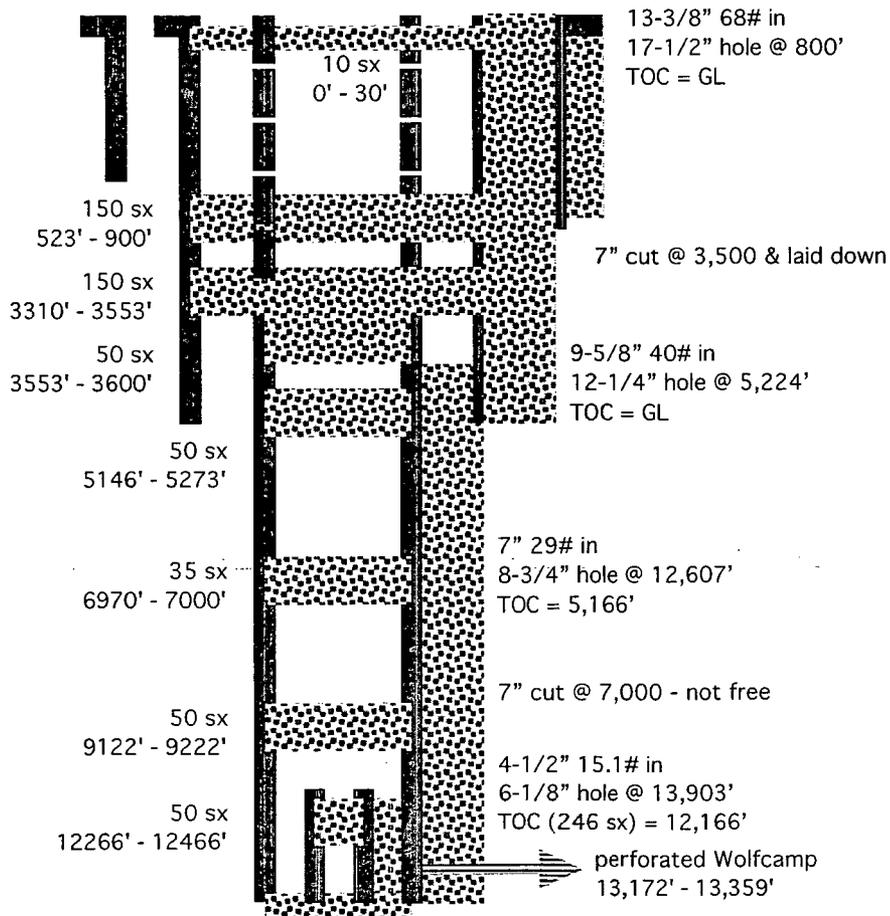
**INJECTION WELL DATA SHEET**

OPERATOR: MURCHISON OIL & GAS, INC.

WELL NAME & NUMBER: JACKSON UNIT 6

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

**WELLBORE SCHEMATIC**  
**"As Is"**



PBTD 13730'  
 TD 13903'

(not to scale)

**WELL CONSTRUCTION DATA**

Surface Casing

Hole Size: 17-1/2"      Casing Size: 13-3/8"  
 Cemented with: 685 sx.      or \_\_\_\_\_ ft<sup>3</sup>  
 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 \_\_\_\_\_ ft<sup>3</sup>  
 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 \_\_\_\_\_ ft<sup>3</sup>  
 Top of Cement: 5,066'      Method Determined: CBL

Total Depth: 13,903'

Injection Interval

5,573' feet to 6,512'

(Perforated or Open Hole; indicate which)

Side 1

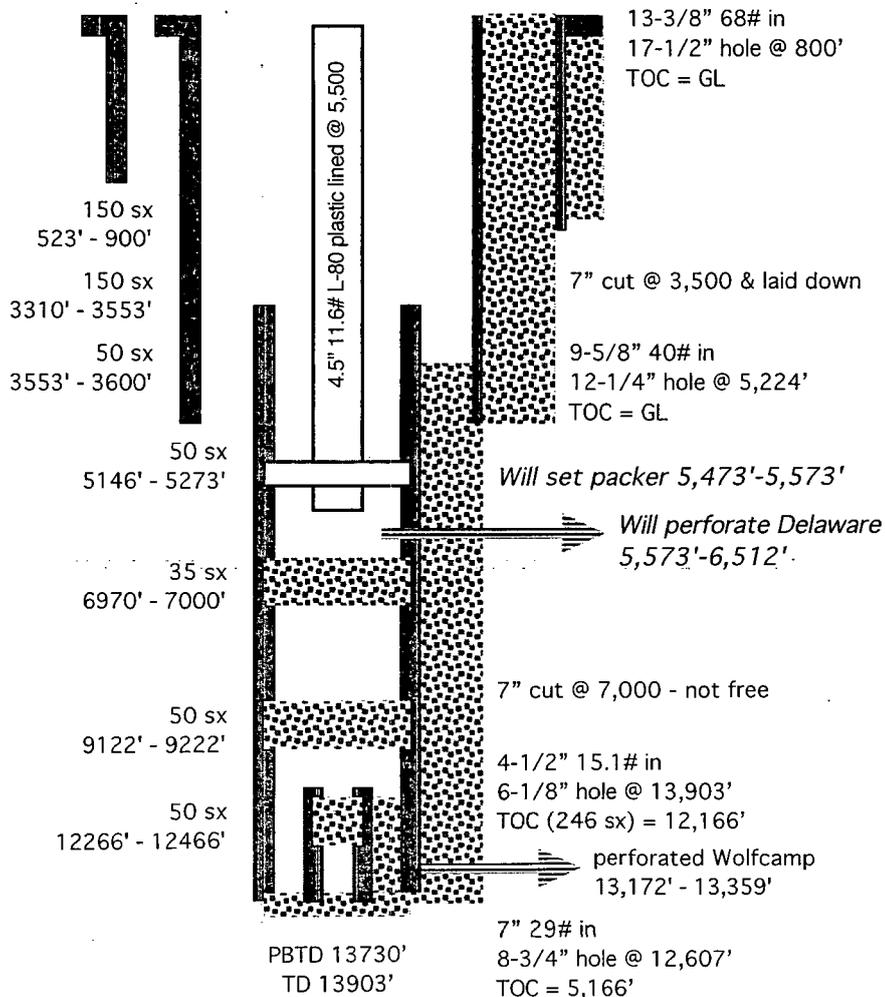
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FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

#### WELLBORE SCHEMATIC "Proposed"



(not to scale)

#### WELL CONSTRUCTION DATA

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