

**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 Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
August 1, 2011  
Permit 154835

**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 30-015-40696
4. Property Code 8132	5. Property Name OGDEN STATE	6. Well No. 007H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	2	25S	26E	1	350	N	175	E	EDDY

**8. Pool Information**

BLACK RIVER; DELAWARE, SOUTH	96451
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**Additional Well Information**

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3383
14. Multiple N	15. Proposed Depth 2060	16. Formation Delaware	17. Contractor	18. Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

**19. Proposed Casing and Cement Program**

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	36	350	300	0
Prod	8.75	7	26	1980	380	0
Liner1	6.125	4.5	11.6	4650	0	

**Casing/Cement Program: Additional Comments**

Cement 100% excess and circulate to surface on all sections
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**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	Shaffer
Annular	3000	3000	Shaffer

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 NMOCD guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> . Printed Name: Electronically filed by Michael Daugherty Title: COO Email Address: ccottrell@jdmii.com Date: 9/13/2012	<b>OIL CONSERVATION DIVISION</b>	
	Approved By: Randy Dade	
	Title: District Supervisor	
	Approved Date: 9/17/2012	Expiration Date: 9/17/2014
	Conditions of Approval Attached	

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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  
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code 96451		<sup>3</sup> Pool Name Black River; Delaware, South					
<sup>4</sup> Property Code 8132		<sup>5</sup> Property Name OGDEN STATE						<sup>6</sup> Well Number 7H	
<sup>7</sup> OGRID No. 15363		<sup>8</sup> Operator Name MURCHISON OIL & GAS, INC.						<sup>9</sup> Elevation 3382.8	

<sup>10</sup> Surface Location									
UL or lot no. A	Section 2	Township 25 S	Range 26 E	Lot Idn	Feet from the 350	North/South line NORTH	Feet from the 175	East/West line EAST	County EDDY

<sup>11</sup> Bottom Hole Location If Different From Surface									
UL or lot no. D	Section 2	Township 25 S	Range 26 E	Lot Idn	Feet from the 350	North/South line NORTH	Feet from the 330	East/West line WEST	County EDDY

<sup>12</sup> Dedicated Acres 160	<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>S89°58'46"W 2651.38 FT</p> <p>NW CORNER SEC. 2 LAT. = 32°09'59.196"N LONG. = 104°16'20.060"W</p> <p>N/4 CORNER SEC. 2 LAT. = 32°09'59.189"N LONG. = 104°15'49.220"W</p> <p>NE CORNER SEC. 2 LAT. = 32°09'59.080"N LONG. = 104°15'18.402"W</p> <p>OGDEN 7H ELEV. = 3382.8' LAT. = 32°09'55.624"N (NAD83) LONG. = 104°15'20.479"W</p> <p>330' BOTTOM OF HOLE LAT. = 32°09'55.732"N LONG. = 104°16'16.302"W</p> <p>350' SURFACE LOCATION</p> <p>W/4 CORNER SEC. 2 LAT. = 32°09'32.510"N LONG. = 104°16'20.688"W</p> <p>E/4 CORNER SEC. 2 LAT. = 32°09'32.793"N LONG. = 104°15'18.713"W</p> <p>SW CORNER SEC. 2 LAT. = 32°09'05.605"N LONG. = 104°16'21.355"W</p> <p>S/4 CORNER SEC. 2 LAT. = 32°09'05.655"N LONG. = 104°15'50.219"W</p> <p>SE CORNER SEC. 2 LAT. = 32°09'06.587"N LONG. = 104°15'19.038"W</p> <p>S01°06'51"W 2697.76 FT</p> <p>S01°10'34"W 2720.03 FT</p> <p>N89°51'26"E 2677.28 FT</p> <p>N87°56'53"E 2682.85 FT</p> <p>N00°32'10"E 2657.05 FT</p> <p>N00°33'42"E 2648.87 FT</p>		<p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p>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 heretofore entered by the division.</p> <p><i>Michael S. Daugherty</i> 9/13/12 Signature Date</p> <p>Michael S. Daugherty Printed Name</p> <p>mdaugherty@jdmii.com E-mail Address</p> <p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>SEPTEMBER 11, 2012 Date of Survey</p> <p><i>Frank J. Jaramillo</i> Signature and Seal of Professional Surveyor</p> <p>Certificate Number 7 FIDMOR E JARAMILLO, PLS 12797 SURVEY NO. 1274</p>
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## Permit Comments

**Operator:** MURCHISON OIL & GAS INC , 15363

**Well:** OGDEN STATE #007H

**API:** 30-015-40696

Created By	Comment	Comment Date
CSHAPARD	Land s/S	9/14/2012

# Permit Conditions of Approval

**Operator:** MURCHISON OIL & GAS INC , 15363

**Well:** OGDEN STATE #007H

**API:** 30-015-40696

OCD Reviewer	Condition
CSHAPARD	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string