

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
May 27, 2004

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

**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. 75093-4698		<sup>2</sup> OGRID Number 015363
		<sup>3</sup> API Number 30 - 015-21751
<sup>4</sup> Property Code 008130	<sup>5</sup> Property Name MOORE FED COM	<sup>6</sup> Well No. 1
<sup>7</sup> Proposed Pool 1 BLACK RIVER WOLFCAMP OIL		<sup>8</sup> Proposed Pool 2

**7 Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	35	24-S	26-E		1650	SOUTH	1650	WEST	EDDY

**8 Proposed 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

**Additional Well Information**

<sup>11</sup> Work Type Code P	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 3320
<sup>16</sup> Multiple	<sup>17</sup> Proposed Depth 9715	<sup>18</sup> Formation WOLFCAMP	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 2/28/2006
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**21 Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
20	16	65	268	240 SXS	SURFACE
13-3/4	10-3/4	40.5	1950	1275 SXS	SURFACE
9-1/2	7-5/8	26.4 & 29.7	8600	650 SXS	N/A
6-1/2	5	15	8127 - 11680	565 SXS	8127

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Set CIBP @ 9745'. Bump 30' cement on BP. Perforate Wolfcamp from 9344 - 50', 9328 - 34', 9282 - 86', 9274 - 80'. Acidize with 7500 GAL. Set RBP @ 9100'. Perf @ 8722 - 38', 8694 - 8710', 8658 - 80', 8646 - 50', 8626 - 32'. Ran 275 Jts 2-7/8" Tbg @ 8525'. Acidize w/ 20,000 15% Acid. Test well.

<sup>23</sup> 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 ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

*Michael S. Daugherty*  
Printed name: MICHAEL S. DAUGHERTY

Title: VICE PRESIDENT OPERATIONS

E-mail Address: mdaugherty@jdmii.com

Date: 4/5/2006

Phone: 972-931-0700

OIL CONSERVATION DIVISION

Approved by:

**FOR RECORDS ONLY**

Title:

Approval Date:

Expiration Date:

**APR 06 2006**

Conditions of Approval Attached ☐

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## State of New Mexico

Energy, Minerals &amp; Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-21751	<sup>2</sup> Pool Code 97517	<sup>3</sup> Pool Name BLACK RIVER WOLFCAMP OIL
<sup>4</sup> Property Code	<sup>4</sup> Property Name MOORE FED COM	<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 015363	<sup>8</sup> Operator Name MURCHISON OIL & GAS, INC.	<sup>9</sup> Elevation 3320 GL

<sup>10</sup> Surface Location

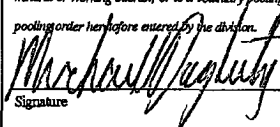
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	35	24-S	26-E		1650	SOUTH	1650	WEST	EDDY

<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 40	<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.

16				<sup>17</sup> <b>OPERATOR CERTIFICATION</b> 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.  Signature Date 4/5/2006 MICHAEL S. DAUGHERTY Printed Name
				<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> 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 Signature and Seal of Professional Surveyor: Certificate Number