

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 179101

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
4. Property Code 39680		3. API Number 30-025-41581
5. Property Name MOGI 9 STATE COM		6. Well No. 005H

7. Surface Location

UL - Lot N	Section 9	Township 24S	Range 33E	Lot Idn 14	Feet From 200	N/S Line S	Feet From 1725	E/W Line W	County Lea
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8. Proposed Bottom Hole Location

UL - Lot C	Section 9	Township 24S	Range 33E	Lot Idn 3	Feet From 330	N/S Line N	Feet From 1680	E/W Line W	County Lea
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9. Pool Information

TRIPLE X;BONE SPRING	59900
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3608
16. Multiple N	17. Proposed Depth 10300	18. Formation 1st Bone Spring Sand	19. Contractor	20. Spud Date 1/2/2014
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☐ 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	16	13.375	54.5	1480	700	0
Int1	12.25	9.625	40	5210	1300	0
Prod	8.5	5.5	17	15000	1700	0

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	Schaffer
Double Ram	5000	5000	Schaffer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: _____ Printed Name: Electronically filed by Michael Daugherty Title: COO Email Address: ccottrell@jdmii.com Date: 12/31/2013 Phone: 972-931-0700	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 1/2/2014 Expiration Date: 1/2/2016 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

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code 39680	⁵ Property Name MOGI 9 STATE COM	
⁶ Well Number 5H	⁷ Elevation 3607.5	
⁸ OGRID No. 15363	⁹ Operator Name MURCHISON OIL & GAS, INC.	

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
N	9	24 S	33 E		200	SOUTH	1725	WEST	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
C	9	24 S	33 E		330	NORTH	1680	WEST	LEA

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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>Diagram showing well location and corner coordinates. The diagram includes a grid with corners labeled NW, NE, SW, SE. The well location is marked with a dot and labeled 'BOTTOM OF HOLE' and 'SURFACE LOCATION'. Coordinates are given in degrees, minutes, and seconds (NAD83).</p>	<p>¹⁷ OPERATOR CERTIFICATION</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> 12/30/13 Signature Date</p> <p>Michael S. Daugherty Printed Name</p> <p>mdaugherty@jdmii.com E-mail Address</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</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>NOVEMBER 1, 2013 Date of Survey</p> <p><i>James P. Jaramillo</i> Signature and Seal of Professional Surveyor</p> <p>Certificate Number: FILIMONT, JARAMILLO, PLS 12797 SURVEY NO. 2426</p>

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

Form APD Comments

Permit 179101

PERMIT COMMENTS

Operator Name and Address: MURCHISON OIL & GAS INC [15363] 1100 Mira Vista Blvd. Plano, TX 75093		API Number: 30-025-41581
		Well: MOGI 9 STATE COM #005H
Created By	Comment	Comment Date
pkautz	Land s/S	1/2/2014

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Form APD Conditions
 Permit 179101

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MURCHISON OIL & GAS INC [15363] 1100 Mira Vista Blvd. Plano, TX 75093		API Number: 30-025-41581
		Well: MOGI 9 STATE COM #005H

OCD Reviewer	Condition
pkautz	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
pkautz	Will require a directional survey with the C-104
pkautz	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
pkautz	1) SURFACE & INTERNEMIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water