

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(505) 393-6161 Fax:(505) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(505) 748-1283 Fax:(505) 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 146781

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 30-015-40157
4 Property Code 8132	5 Property Name OGDEN STATE	6 Well No. 006H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
O	2	25S	26E	O	142	S	1735	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 3378
14. Multiple N	15. Proposed Depth 7200	16. Formation Delaware	17. Contractor	18. Spud Date 4/11/2012
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	312	160	0
Prod	8.75	7	26	2187	475	0

Casing/Cement Program: Additional Comments

Surface casing 100% excess, circulate to surface. Production casing 100% excess, circulate to surface.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
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, a general permit, or an (attached) alternative OGD-approved plan.

OIL CONSERVATION DIVISION

Printed Name: Electronically filed by Michael Daugherty		Approved By: Randy Dade	
Title: COO		Title: District Supervisor	
Email Address: ccottrell@jdmii.com		Approved Date: 4/6/2012 Expiration Date: 4/6/2014	
Date: 4/5/2012	Phone: 972-931-0700	Conditions of Approval Attached	

Permit Comments

Operator: MURCHISON OIL & GAS INC , 15363

Well: OGDEN STATE #006H

API: 30-015-40157

Created By	Comment	Comment Date
CSHAPARD	Land s/S	4/8/2012

Permit Conditions of Approval

Operator: MURCHISON OIL & GAS INC , 15363

Well: OGDEN STATE #006H

API: 30-015-40157

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

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1230 S. St. Francis Dr., Santa Fe, NM 87505

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 October 15, 2009
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-40157		Pool Code 96451	Pool Name Black River, Delaware, S.
Property Code 8132	Property Name OGDEN STATE		Well Number 006H
OGRID No. 15363	Operator Name MURCHISON OIL & GAS, INC.		Elevation 3378.1

Surface Location

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	2	25 S	26 E		142	SOUTH	1735	EAST	EDDY

Bottom Hole Location If Different From Surface

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	2	25 S	26 E		340	NORTH	420	EAST	EDDY

Dedicated Acres 160.2	Joint or Infill	Consolidation Code	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

SW CORNER SEC. 2 LAT = 32°09'51.196"N LONG = 104°16'26.067"W W/4 CORNER SEC. 2 LAT = 32°09'52.510"N LONG = 104°16'26.888"W SW CORNER SEC. 2 LAT = 32°09'50.605"N LONG = 104°16'21.558"W		NE CORNER SEC. 2 LAT = 32°09'50.780"N LONG = 104°15'18.107"W SE CORNER SEC. 2 LAT = 32°09'52.793"N LONG = 104°15'18.717"W NE CORNER SEC. 2 LAT = 32°09'50.587"N LONG = 104°15'13.039"W	
589°58'46"W 2661.78 FT 501°03'41"W 2720.33 FT		1167°56'31"E 2582.85 FT 1167°56'31"E 2582.85 FT	
BOTTOM OF HOLE LAT = 32°09'56.733"N LONG = 104°15'53.277"W			
OGDEN STATE 006H ELEV = 3378.1 AT = 32°09'57.410"N (10083) LONG = 104°15'53.914"W			
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 undivided 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: <i>Michael Daugherty</i> Date: 9/10/12 Printed Name: Michael S. Daugherty			
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. APR 11 2012 Date of Survey: <i>April 11, 2012</i> Signature and Seal of Professional Surveyor: <i>Frank J. Ramirez</i> Certificate Number: FRANK J. RAMIREZ PLS 12707 SURV NO 1005			