

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 139475

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 30-015-39595
4. Property Code 38910	5. Property Name PUMA STATE COM	6. Well No. 008H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	14	17S	28E	B	990	N	2310	E	EDDY

8. Pool Information

EMPIRE; GLORIETA-YESO	96210
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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 3600
14. Multiple N	15. Proposed Depth 5687	16. Formation Yeso Formation	17. Contractor	18. Spud Date 12/15/2011
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	17.5	13.375	48	250	300	0
Int1	12.25	9.625	36	875	400	0
Prod	8.75	7	26	3977	700	0
Liner1	6.125	4.5	11.6	5687	0	

Casing/Cement Program: Additional Comments

Bottom hole location at 5,687' TMD & 3,875' TVD. Cmt surf csg w/at least 100% excess cmt; circ cmt to surf. Cmt intermediate csg w/at least 100% excess cmt; circ cmt to surf. Cmt prod csg w/at least 50% excess cmt; circ cmt to surf. If cmt does not circ, consult w/OCD to take the next appropriate step.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	2000	

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"/> .	OIL CONSERVATION DIVISION	
	Approved By: Randy Dade	
	Title: District Supervisor	
	Approved Date: 11/8/2011	Expiration Date: 11/8/2013
	Email Address: ctracy@jdmii.com	
Date: 11/2/2011	Phone: 972-931-0700	Conditions of Approval Attached

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Form C-102
August 1, 2011
Permit 139475

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-39595	2. Pool Code 96210	3. Pool Name EMPIRE; GLORIETA-YESO
4. Property Code 38910	5. Property Name PUMA STATE COM	6. Well No. 008H
7. OGRID No. 15363	8. Operator Name MURCHISON OIL & GAS INC	9. Elevation 3600

10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	14	17S	28E		990	N	2310	E	EDDY

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	14	17S	28E	A	990	N	330	E	EDDY
12. Dedicated Acres 80.00	13. Joint or Infill	14. Consolidation Code	15. Order No.						

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

<table border="1" style="width: 100%; border-collapse: collapse; height: 150px;"> <tr> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%; text-align: center; vertical-align: middle;">●</td> <td style="width: 25%; text-align: center; vertical-align: middle;">■</td> </tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> </table>			●	■													<p style="text-align: center;">OPERATOR CERTIFICATION</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(s) 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.</i></p> <p>E-Signed By: Michael Daugherty Title: President Date: 11/2/2011</p> <hr/> <p style="text-align: center;">SURVEYOR CERTIFICATION</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>Surveyed By: Filimon Jaramillo Date of Survey: 9/14/2011 Certificate Number: 12797</p>
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Permit Comments

Operator: MURCHISON OIL & GAS INC , 15363

Well: PUMA STATE COM #008H

API: 30-015-39595

Created By	Comment	Comment Date
CSHAPARD	Land s/P	11/8/2011

Permit Conditions of Approval

Operator: MURCHISON OIL & GAS INC , 15363

Well: PUMA STATE COM #008H

API: 30-015-39595

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