<u>District I</u> 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

Phone:(575) 748-1283 Fax:(575) 748-9720 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410

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 138617

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

MURCHISO	r Name and Address DN OIL & GAS INC	OGRID Number 15363		
1100 Mira Vista Blvd. Plano, TX 75093		3. API Number 30-015-39594		
4. Property Code	5. Property Name	6. Well No.		
38910	PUMA STATE COM			

7. Surface Location

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

8. Pool Information

EMPIRE: GLORIETA-YESO	96210

Additional Well Information

9. Work Type	10. Wett		11. Cable/Rotary	12. Lesse Type	13. Ground Level Elevation
New Well 14. Multiple	OII 15. Propos	3	16. Formation	State 17. Contractor	3600 18. Spud Date
N 5689		Yeso Formation	12/1/2011		
Depth to Ground	water		Distance from nearest fresh water	well	Distance to nearest surface

19. Proposed Casing and Cement Program

Туре	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	5689	0	

Casing/Cement Program: Additional Comments

Bottom hole location at 5,689' TMD & 3,874' 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	

of my knowledge and belief.	nation given above is true and complete to the best illing pit will be constructed according to	OIL CONSERVATION DIVISION				
	eneral permit , or an (attached) alternative	Approved By: Randy Dade				
Printed Name: Electroni	cally filed by Michael Daugherty	Title: District Supervisor				
Title: President		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 Atta	iched			

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Energy, Minerals and Natural Resources

Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505 Form C-102 August 1, 2011

Permit 138617

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-39594	2. Pool Code 96210	3. Pool Name EMPIRE; GLORIETA-	YESO
4. Property Code 38910	5. Property 1 PUMA STAT		vett No. 04H
7. OGRID No. 15363	8. Operator Name MURCHISON OIL & GAS INC		levation 600

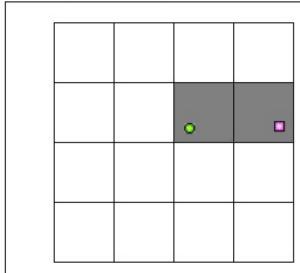
10. Surface Location

To: Surface Escation									
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
G	14	17S	28E		2310	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
H	14	17S	28E	H	2260	N	330	E	EDDY
	cated Acres	13. J	oint 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



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 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.

E-Signed By: Michael Daugherty

Title: President Date: 11/2/2011

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.

Surveyed By: Filimon Jaramillo Date of Survey: 9/14/2011 Certificate Number: 12797

Permit Comments

Operator: MURCHISON OIL & GAS INC , 15363 Well: PUMA STATE COM #004H

API: 30-015-39594

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

Permit Conditions of Approval

Operator: MURCHISON OIL & GAS INC , 15363 Well: PUMA STATE COM #004H

API: 30-015-39594

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