

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

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

1. Operator Name and Address CIMAREX ENERGY CO. 15 EAST 5TH STREET TULSA , OK 74103		2. OGRID Number 215099
		3. API Number 30-025-39011
4. Property Code 37247	5. Property Name MUDDY WATERS STATE COM	6. Well No. 001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	1	10S	36E	N	660	S	2275	W	LEA

8. Pool Information

Morrow Wildcat	
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Additional Well Information

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3995
14. Multiple N	15. Proposed Depth 12000	16. Formation Morrow	17. Contractor	18. Spud Date 7/15/2008
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mls thick Clay <input type="checkbox"/> Pit Volume: bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

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	400	370	0
Int1	11	8.625	32	4200	850	0
Prod	7.875	5.5	17	12000	835	4000

Casing/Cement Program: Additional Comments

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	Cameron

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	
Printed Name: Electronically filed by Sharon LaValley		Approved By: Paul Kautz	
Title: Manager		Title: Geologist	
Email Address: slavalley@cimarex.com		Approved Date: 7/8/2008 Expiration Date: 7/8/2010	
Date: 6/30/2008 Phone: 918-295-1673		Conditions of Approval Attached	

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

District II
 1301 W. Grand Ave., 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-102
 Permit 77672

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-39011	2. Pool Code	3. Pool Name Morrow Wildcat
4. Property Code 37247	5. Property Name MUDDY WATERS STATE COM	6. Well No. 001
7. OGRID No. 215099	8. Operator Name CIMAREX ENERGY CO.	9. Elevation 3995

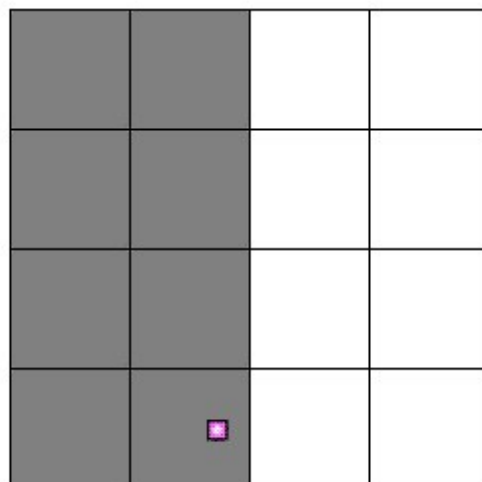
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	1	10S	36E		660	S	2275	W	LEA

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
12. Dedicated Acres 320.03	13. Joint or Infill	14. Consolidation Code Communitization	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: Sharon LaValley
 Title: Manager
 Date: 6/30/2008

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: Gary L. Jones
 Date of Survey: 6/3/2008
 Certificate Number: 7977

Permit Comments

Operator: CIMAREX ENERGY CO. , 215099

Well: MUDDY WATERS STATE COM #001

API: 30-025-39011

Created By	Comment	Comment Date
ZFARRIS1	C-144 will be emailed to Donna Mull.	6/30/2008
ZFARRIS1	NSL Application is in progress.	6/30/2008
DMULL	OCD received form C-144, Pit Registration. OCD Pit Permit Number P1-00105.	7/8/2008
DMULL	Approval for Drilling only - CANNOT produce until Non-Standard Location is approved by OCD Santa Fe office.	7/8/2008

Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. , 215099

Well: MUDDY WATERS STATE COM #001

API: 30-025-39011

OCD Reviewer	Condition
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
DMULL	Will require administrative order for non-standard spacing unit