

**State of New Mexico**  
**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 30-025-38896
4. Property Code 37158	5. Property Name CHALLENGER 24 FEE	6. Well No. 002

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	24	15S	37E	M	480	S	480	W	LEA

**8. Pool Information**

DENTON;WOLFCAMP	17290
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**Additional Well Information**

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3769
14. Multiple N	15. Proposed Depth	16. Formation Wolfcamp	17. Contractor	18. Spud Date 5/10/2008
Depth to Ground water 48		Distance from nearest fresh water well		Distance to nearest surface water

Pit: Liner: Synthetic ☐      mils thick    Clay ☐    Pit Volume:      bbls    Drilling Method:  
 Closed Loop System ☒      Fresh Water ☐    Brine ☐    Diesel/Oil-based ☐    Gas/Air ☐

**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	40	600	510	0
Int1	11	8.625	32	4450	1415	0
Prod	7.875	5.5	17	9825	520	4250

**Casing/Cement Program: Additional Comments**

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**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	Cameran

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"/> .	<b>OIL CONSERVATION DIVISION</b>
Printed Name: Electronically filed by Sharon LaValley	Approved By: Paul Kautz
Title: Manager	Title: Geologist
Email Address: slavalley@cimarex.com	Approved Date: 5/8/2008      Expiration Date: 5/8/2010
Date: 5/7/2008      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

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Form C-102  
 Permit 74611

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-38896	2. Pool Code 17290	3. Pool Name DENTON,WOLFCAMP
4. Property Code 37158	5. Property Name CHALLENGER 24 FEE	6. Well No. 002
7. OGRID No. 215099	8. Operator Name CIMAREX ENERGY CO.	9. Elevation 3769

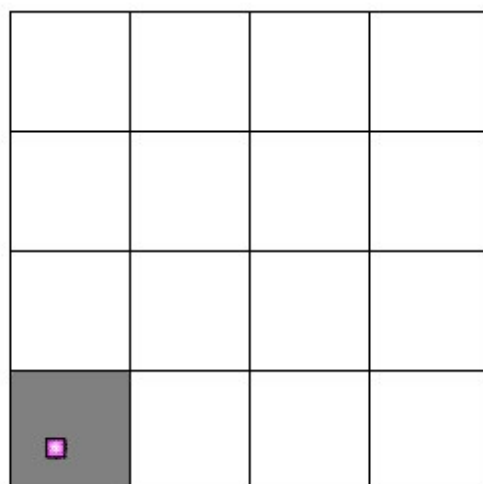
**10. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	24	15S	37E		480	S	480	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 40.00		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**



**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: 5/7/2008

**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: 5/7/2008  
 Certificate Number: 7977

## Permit Comments

Operator: CIMAREX ENERGY CO. , 215099

Well: CHALLENGER 24 FEE #002

API: 30-025-38896

Created By	Comment	Comment Date
DMULL	Received C-144, "Pit Registration"	5/8/2008

# Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. , 215099

Well: CHALLENGER 24 FEE #002

API: 30-025-38896

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