

**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. OF COLORADO 15 E 5TH STREET TULSA, OK 74103		2. OGRID Number 162683
		3. API Number 30-05-29135
4. Property Code 36907	5. Property Name YORKTOWN 12 FEE	6. Well No. 001H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	12	15S	31E	D	375	N	330	W	CHAVES

**8. Pool Information**

WILDCAT G-05 S1531110;ABO-WOLFCAMP	97715
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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 4384
14. Multiple N	15. Proposed Depth 13394	16. Formation Wolfcamp	17. Contractor	18. Spud Date 6/1/2010
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	13.325	48	350	350	0
Int1	12.25	9.625	40	3950	572	0
Prod	8.75	7	26	8550	1020	1600
Liner1	6.125	4.5	11.6	13394	0	

**Casing/Cement Program: Additional Comments**

Cimarex proposes to drill 12 1/4" hole to 3950' and if hole conditions permit, to trip out and drill 8 1/4" hole to TD and set 7" casing, thereby eliminating the intermediate casing string. If hole conditions do not permit, we will set 9-5/8" intermediate at 3950' as permitted. Production casing will be cemented with sufficient sx to reach surface.

**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 ☐ a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

Printed Name: Electronically filed by Zeno Farris

Title: Manager Operations Administration

Email Address: zfarris@magnumhunter.com

Date: 5/6/2010

Phone: 972-443-6489

**OIL CONSERVATION DIVISION**

Approved By: Paul Kautz

Title: Geologist

Approved Date: 5/11/2010

Expiration Date: 5/11/2012

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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**Santa Fe, NM 87505**

Form C-102  
 Permit 113615

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-05-29135	2. Pool Code 97715	3. Pool Name WILDCAT G-05 S1531110; ABO-WOLFCAMP
4. Property Code 36907	5. Property Name YORKTOWN 12 FEE	6. Well No. 001H
7. OGRID No. 162683	8. Operator Name CIMAREX ENERGY CO. OF COLORADO	9. Elevation 4384

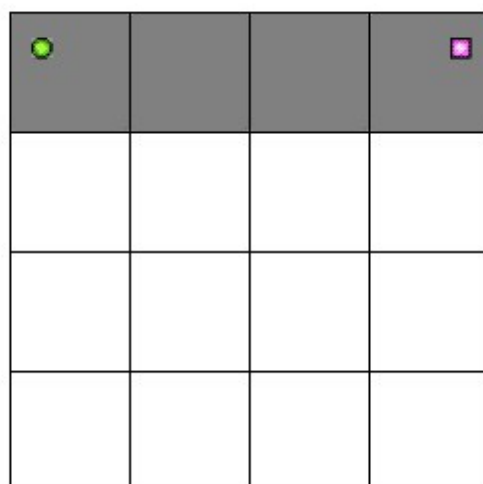
**10. Surface Location**

UL - Lot D	Section 12	Township 15S	Range 31E	Lot Idn	Feet From 375	N/S Line N	Feet From 330	E/W Line W	County CHAVES
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**11. Bottom Hole Location If Different From Surface**

UL - Lot A	Section 12	Township 15S	Range 31E	Lot Idn A	Feet From 375	N/S Line N	Feet From 330	E/W Line E	County CHAVES
12. Dedicated Acres 160.00		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: Zeno Farris  
 Title: Manager Operations Administration  
 Date: 5/6/2010

**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: Ronald J. Eidson  
 Date of Survey: 11/14/2007  
 Certificate Number: 3239

## Permit Comments

**Operator:** CIMAREX ENERGY CO. OF COLORADO , 162683

**Well:** YORKTOWN 12 FEE #001H

**API:** 30-05-29135

Created By	Comment	Comment Date
NKRUEGER	C-102, C-144, and preliminary directional survey will be emailed to Donna Mull.	5/6/2010
NKRUEGER	Cimarex Energy Co. of Colorado does not anticipate that there will be enough H2S from the surface to the Abo formation to meet the OCD's minimum requirements for the submission of a contingency plan for this test.	5/6/2010
DMULL	OCD Hobbs has received form C-144 CLEZ "Pit Registration". OCD Permit Number P1-02009.	5/11/2010
DMULL	OCD Hobbs has received hard copy of form C-102 and preliminary directional survey.	5/11/2010



# Permit Conditions of Approval

**Operator:** CIMAREX ENERGY CO. OF COLORADO , 162683

**Well:** YORKTOWN 12 FEE #001H

**API:** 30-05-29135

OCD Reviewer	Condition
DMULL	Will require a directional survey with the C-104