

**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 5215 N. O'CONNOR BLVD. IRVING, TX 75039		2. OGRID Number 162683
		3. API Number 30-05-28002
4. Property Code 36906	5. Property Name ENTERPRISE 11 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
M	11	15S	31E	M	375	S	330	W	CHAVES

**8. Pool Information**

WILDCAT WOLFCAMP	0
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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 4395
14. Multiple N	15. Proposed Depth 11387	16. Formation Wolfcamp	17. Contractor	18. Spud Date 1/15/2008
Depth to Ground water 220		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 _____ miles thick Clay <input type="checkbox"/> Pit Volume: 12000 _____ 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	340	340	0
Int1	11	8.625	24	1800	572	0
Prod	7.875	5.5	17	11387	1020	1300

**Casing/Cement Program: Additional Comments**

Pilot hole TVD 8950' with KO cement plug @ 8450' - 8850'. KOP @ 8650'. EOC @ 8959' MD.

**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 checked="" type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	<b>OIL CONSERVATION DIVISION</b>	
	Approved By: Paul Kautz	
Printed Name: Electronically filed by Zeno Farris	Title: Geologist	
Title: Manager Operations Administration	Approved Date: 12/28/2007	Expiration Date: 12/28/2008
Email Address: zfarris@magnumhunter.com		
Date: 12/27/2007	Phone: 972-443-6489	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 65714

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-05-28002	2. Pool Code	3. Pool Name WILDCAT WOLFCAMP
4. Property Code 36906	5. Property Name ENTERPRISE 11 STATE COM	6. Well No. 001
7. OGRID No. 162683	8. Operator Name CIMAREX ENERGY CO. OF COLORADO	9. Elevation 4395

**10. Surface Location**

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

UL - Lot P	Section 11	Township 15S	Range 31E	Lot Idn P	Feet From 375	N/S Line S	Feet From 330	E/W Line E	County CHAVES
12. Dedicated Acres 160.00		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**

	<b>OPERATOR CERTIFICATION</b>		
	<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>		
	E-Signed By: Zeno Farris Title: Manager Operations Administration Date: 12/27/2007		
	<b>SURVEYOR CERTIFICATION</b>		
<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>			
Surveyed By: Ronald J. Eidson Date of Survey: 11/16/2007 Certificate Number: 3239			

## Permit Comments

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

**Well:** ENTERPRISE 11 STATE COM #001

**API:** 30-05-28002

Created By	Comment	Comment Date
NKRUEGER	Complete mud, casing, cementing, and BOP details will be emailed to Bryan Arrant.	12/13/2007
NKRUEGER	C-144 and H2S statement will be emailed to Bryan Arrant.	12/13/2007
NKRUEGER	Preliminary directional survey and C-102 will be emailed to Bryan Arrant.	12/13/2007
NKRUEGER	This well will be a horizontal Wolfcamp test with a SHL in UL M and a BHL in UL P. Therefore, it will require a S2S2 laydown 160-acre spacing unit.	12/13/2007

# Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: ENTERPRISE 11 STATE COM #001

API: 30-05-28002

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