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

## State of New Mexico

Form C-101 Permit 59889

## **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

20111102	ATTEMENTON FOR FERMINI TO DRIED, RE-ENTER, DELI EN, FEROBACK, OR ADD A ZONE						
	1.	Operator Name and Address	2. OGRID Number				
	CI	215099					
	1	3. API Number					
		30-025-38499					
4. Propert	ty Code	5. Property Name	6. Well No.				
366	86	ANTERO 12 FEE	001				

#### 7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	12	15S	37E	F	2310	N	2210	W	LEA

#### 8. Pool Information

WOLFCAMP 17290
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#### **Additional Well Information**

	501	TIGHT TOTAL		0.6	
9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3786	
14. Montriple N	15. Proposed Depth	16. Formation Wolfcamp	17. Contractor	18. Spud Date 10/15/2007	
Depth to Ground 60	water	Distance from nearest fresh water	well	Distance to nearest surface water	
t: Liner: Synthetic Closed Loop System	mils thick	Clay Pit Volume: bbls	Drilling Method: Fresh Water Brine 1	Diesel/Oil-based Gas/Air	

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	600	510	0
Int1	12.25	8.625	32	4525	1402	0
Prod	7.875	5.5	17	9750	530	4550
Liner1	4.75	2.875	6.5	11281	0	

#### Casing/Cement Program: Additional Comments

PEAK Completions Systems iso-packer, iso-port system will be used and will not require cementing. KOP for the lateral will be 9190.' Projected TD at BHL is MD 11281' and TVD 9380.'

Proposed Blowout Prevention Program

		T Toposca Dionoat T	resentation regrant	
	Туре	Working Pressure	Test Pressure	Manufacturer
3	DoubleRam	5000	5000	Cameran

of my knowledge and belief.	tion given above is true and complete to the best ting pit will be constructed according to	OIL CONSERV	ATION DIVISION
NMOCD guidelines a ger OCD-approved plan	neral permit , or an (attached) alternative	Approved By: Paul Kautz	
Printed Name: Electronic	ally filed by Sharon LaValley	Title: Geologist	89
Title: Manager		Approved Date: 8/29/2007	Expiration Date: 8/29/2008
Email Address: slavalley(	@cimarex.com		
Date: 8/28/2007	Phone: 918-295-1673	Conditions of Approval Atta	ched

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

Form C-102 Permit 59889

# Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr.

Santa Fe, NM 87505

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

10707	and no citizent in its incit		
1. API Number	2. Pool Code 3. Poo		3. Pool Name
30-025-38499	17290 DENTON; WOLFCA		ON;WOLFCAMP
4. Property Code	5. Property Name		6. Well No.
36686	ANTERO 12 FEE		001
7. OGRID No.	8. Operator Name		9. Elevation
215099	CIMAREX ENERGY CO. 3786		3786

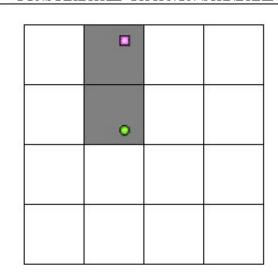
#### 10. Surface Location

Š	UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
	F	12	15S	37E		2310	И	2210	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
С	12	15S	37E	С	330	N	2210	w	LEA
100000000000000000000000000000000000000	cated Acres	13. 3	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: Sharon LaValley

Title: Manager Date: 8/28/2007

#### 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: 8/20/2007 Certificate Number: 7977

# **Permit Comments**

Operator: CIMAREX ENERGY CO., 215099
Well: ANTERO 12 FEE #001

API: 30-025-38499

Created By	Comment	Comment Date
ZFARRIS1	Preliminary directional survey and C-102 will be emailed to Donna Mull.	8/28/2007
ZFARRIS1	C-144 will be submitted to Donna Mull.	8/28/2007
ZFARRIS1	Cimarex Energy Co. does not anticipate that there will be enough H2S from the surface to the Wolfcmp formation to meet the OCD's minimum requirements for the submission of a contingency plan for this test.	8/28/2007
ZFARRIS1	The Antero 12 Fee 3 will be a horizontal Wolfcamp test with a SHL in Unit F and a BHL in Unit C. Therefore, it will have a stand-up 80 acre spacing unit (E2NW4).	8/28/2007

# Permit Conditions of Approval

Operator: CIMAREX ENERGY CO., 215099
Well: ANTERO 12 FEE #001

API: 30-025-38499

OCD Reviewer	Condition
IDKAUTZ	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