State of New Mexico

Form C-101 Permit 90168

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

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1.	Operator Name and Address	2. OGRID Number
02.035	ENERGY CO. OF COLORADO	162683
	5 N. O'CONNOR BLVD. IRVING , TX 75039	3. API Number
	IRVINO , 12 75039	30-05-29077
4. Property Code	5. Property Name	6. Well No.
37276	TICONDEROGA 16 STATE COM	002

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	16	15S	31E	D	375	N	375	W	CHAVES

8. Pool Information

WILDCAT ABO-WOLFCAMP

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Additional Well Information

9. Work Type	10. Well Type			13. Ground Level Elevation	
New Well	OIL			4420	
14. Multiple	15. Proposed Depth	16. Formation	17. Contractor	18. Spud Date	
N	13031	Abo		3/15/2009	
Depth to Ground	water	Distance from nearest fresh w	ater well	Distance to nearest surface water	
Pit: Liner: Synthetic [Closed Loop Syste	mils thick	Clay Pit Volume: b	bls 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	340	330	0
Int1	11	8.625	32	3950	790	0
Prod	7.875	5.5	17	9600	575	3750
Liner1	4.75	3.5	9.3	8698	0	
Liner1	4.75	2.875	6.5	13031	0	

Casing/Cement Program: Additional Comments

PEAK comletion asselbly will be used. 3.5" 9.3# P-110 Ultra FJ will be used from top of liner to end of curve, and from end of curve to TD 2.875" 6.5# P-110 will be used.

Proposed Blowout Prevention Program

8	Туре	Working Pressure	Test Pressure	Manufacturer
8	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	OIL CONSERVATION DIVISION		
NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .	Approved By: Paul Kautz		
Printed Name: Electronically filed by Zeno Farris	Title: Geologist		
Title: Manager Operations Administration	Approved Date: 3/4/2009 Expiration Date: 3/4/2011		
Email Address: zfarris@magnumhunter.com			
Date: 2/16/2009 Phone: 972-443-6489			

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 <u>District IV</u>

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 90168

Energy, Minerals and Natural Resources

Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

10.5	ZZZZ ZZ CZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	ELIOZ DEDICITION	
1. API Number	2. Pool Code	3. Pool Name WILDCAT ABO-WOLFCAMP	
30-05-29077	Machine Control of Control		
4. Property Code	5. Property	Name	6. Well No.
37276	TICONDEROGA 16 STATE COM		002
7. OGRID No.	8. Operator	Name	9. Elevation
162683	CIMAREX ENERGY CO	D. OF COLORADO	4420

10. Surface Location

UL - Lo	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	16	15S	31E		375	N	375	W	CHAVES

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
A	16	15S	31E	A	375	N	375	F	CHAVES
12. Dedic	sated Acres		oint or Infill	14	. Consolidation Communitizati	Code	375 E 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

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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: 2/16/2009

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: 9/22/2008 Certificate Number: 7977

Permit Comments

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683 Well: TICONDEROGA 16 STATE COM #002

API: 30-05-29077

Created By	Comment	Comment Date
NKRUEGER	C-102, C-144, and preliminary directional survey will be emailed to Donna Mull.	2/16/2009
NKRUEGER	Will is a proposed horizontal Abo oil test with SHL in UL D and BHL in UL A. Therefore, it will require a laydown 160-acre (4.40-acre spacings)N2N2 oil well spacing unit.	2/16/2009
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.	1
DMULL	OCD has received form C-144 "Pit Registration." OCD Permit Number P1-00921.	3/3/2009