## State of New Mexico

Form C-101 Permit 84121

## 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		
97.03	ENERGY CO. OF COLORADO	162683		
	5 N. O'CONNOR BLVD. IRVING , TX 75039	3. API Number		
	HCVING , 12 75039	30-05-29061		
4. Property Code	5. Property Name	6. Well No.		
37276	TICONDEROGA 16 STATE COM 003			

### 7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County	ı
I	16	15S	31E	I	1980	S	375	E	CHAVES	

#### 8. Pool Information

### Additional Well Information

9. Work Type New Well	2003	ili Type IL	11. Cable/Rotar	11. Cable/Rotary 12. Lease Type State		13. Ground Level Elevation 4412	
14. Multiple N	1000000	osed Depth 3078	16. Formatio	n 17. C	ontractor	18. Spud Date 11/30/2008	
Depth to Ground	Depth to Ground water			t fresh water well		Distance to nearest surface water	
Pit: Liner: Synthetic mils thick Closed Loop System			Clay Pit Volume:	bbls Drilling Metho Fresh Water D		iesel/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	40	1300	320	0
Int1	11	8.625	32	3950	790	0
Prod	7.875	5.5	17	9600	595	3750
Liner1	4.75	3.5	9.3	8698	0	
Liner2	4.75	2.875	6.5	13078	0	*

### Casing/Cement Program: Additional Comments

After setting and cementing 5-1/2" casing in pilot hole, set whipstock plug and mill window @ 8380'-8390.' Kick off horizontal @ 8385'and drill to TD of MD 13078' and TVD 8615.' Run PEAK 3-1/2" UFJ liner from RSB packer @ 8280' to EOC @ 8698' and cross over to PEAK 2-7/8" UFJ tubing liner from EOC to TD @ 13078.' PEAK liner requires no cement.

Proposed Blowout Prevention Program

8	Туре	Working Pressure	Test Pressure	Manufacturer
9	DoubleRam	5000	5000	Cameran

of my knowledge and belief.	ion given above is true and complete to the best ing pit will be constructed according to	OIL CONSERVATION DIVISION			
NMOCD guidelines a gen OCD-approved plan	eral permit , or an (attached) alternative	Approved By: Paul Kautz			
Printed Name: Electronica	lly filed by Zeno Farris	Title: Geologist			
Title: Manager Operation	s Administration	Approved Date: 11/18/2008	Expiration Date: 11/18/2010		
Email Address: zfarris@n	nagnumhunter.com				
Date: 10/23/2008	Phone: 972-443-6489	Conditions of Approval Attac	hed		

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

<u>District III</u> 1000 Rio Brazos Rd., Azize, 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 84121

## Energy, Minerals and Natural Resources

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

### WELL LOCATION AND ACREAGE DEDICATION PLAT

1 47737	0.0-1.0-1	3	D-117		
1. API Number	2. Pool Code	5.	Pool Name		
30-05-29061		Ab	oo Wildcat		
4. Property Code	5. Pro	perty Name	6. Well No.		
37276	TICONDEROG	TICONDEROGA 16 STATE COM			
7. OGRID No.	8. Op	erator Name	9. Elevation		
162683	CIMAREX ENERG	Y CO. OF COLORADO	4412		

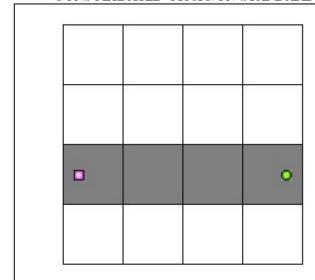
### 10. Surface Location

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UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County	
I	16	15S	31E		1980	S	375	E	CHAVES	l

### 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
L	16	15S	31E	L	1980	S	330	W	CHAVES
12. Dedic	sated Acres		oint or Infill	14	. Consolidation Communitizati	Code		15. Order No.	01111120

# 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: 10/23/2008

### 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: 4/23/2008 Certificate Number: 7977

# Permit Comments

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683 Well: TICONDEROGA 16 STATE COM #003

API: 30-05-29061

Created By	Comment	Comment Date
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.	10/23/2008
NKRUEGER	Well is proposed horizontal Abo oil test with an SHL in UL I and a BHL in UL L. Therefore, it will require a N2S2 lay-down 160-acre oil well spacing unit.	10/23/2008
NKRUEGER	C-102, C-144, and preliminary directional survey will be emailed to Donna Mull	10/23/2008
DMULL	OCD received form C-144 "Pit Registration". OCD Permit Number P1-00892.	11/18/2008

# Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683 Well: TICONDEROGA 16 STATE COM #003

API: 30-05-29061

OCD Reviewer	Condition
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite