

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 30-05-39862 29062
4 Property Code 37276	5. Property Name TICONDEROGA 16 STATE COM	6 Well No. 004

7. Surface Location

UL - Lot P	Section 16	Township 15S	Range 31E	Lot Idn P	Feet From 375	N/S Line S	Feet From 375	E/W Line E	County CHAVES
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8. Pool Information

Abo Wildcat	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 4410
14. Multiple N	15. Proposed Depth 13034	16. Formation Abo	17. Contractor	18. Spud Date 11/30/2008
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mils 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	13.375	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	13034	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 @ 13034.' PEAK liner requires no cement.

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 type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCB-approved plan <input type="checkbox"/>	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 11/18/2008	Expiration Date: 11/18/2010
	Conditions of Approval Attached	
Printed Name: Electronically filed by Zeno Farns Title: Manager Operations Administration Email Address: zfarns@magnumhunter.com Date: 10/24/2008 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

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone (505) 476-3470 Fax (505) 476-3462

State of New Mexico**Energy, Minerals and Natural Resources****Oil Conservation Division****1220 S. St Francis Dr.****Santa Fe, NM 87505**

Form C-102
 Permit 84148

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-05-39062 29062	2. Pool Code	3. Pool Name Abo Wildcat
4. Property Code 37276	5. Property Name TICONDEROGA 16 STATE COM	6. Well No 004
7. OGRID No 162683	8. Operator Name CIMAREX ENERGY CO OF COLORADO	9. Elevation 4410

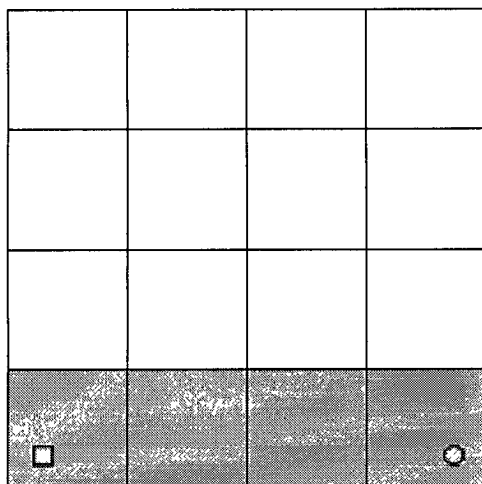
10. Surface Location

UL - Lot P	Section 16	Township 15S	Range 31E	Lot Idn	Feet From 375	N/S Line S	Feet From 375	E/W Line E	County CHAVES
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11. Bottom Hole Location If Different From Surface

UL - Lot M	Section 16	Township 15S	Range 31E	Lot Idn M	Feet From 375	N/S Line S	Feet From 375	E/W Line W	County CHAVES
12. Dedicated Acres 160.00	13. Joint or Infill	14. Consolidation Code Communization	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 Farns

Title: Manager Operations Administration

Date: 10/24/2008

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 #004

API: 30-05-39062

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.	10/24/2008
NKRUEGER	Well is proposed horizontal Abo oil test with an SHL in UL P and a BHL in UL M. Therefore, it will require a S2S2 lay-down 160-acre oil well spacing unit.	10/24/2008
NKRUEGER	C-102, C-144, and preliminary directional survey will be emailed to Donna Mull.	10/24/2008
DMULL	OCD received form C-144 "Pit Registration". OCD Permit Number P1-00693	11/18/2008

Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: TICONDEROGA 16 STATE COM #004

API: 30-05-39062

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