

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 30-05-28025
4. Property Code 37156	5. Property Name BUNKER HILL 32 STATE COM	6. Well No. 004

7. Surface Location

UL - Lot P	Section 32	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

Abn Wildcat	
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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 4412
14. Multiple N	15. Proposed Depth	16. Formation Abo	17. Contractor	18. Spud Date 6/1/2008
Depth to Ground water 300		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic ☐ mls thick Clay ☐ Pit Volume: bbls Drilling Method: Closed Loop System ☒ Fresh Water Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				

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	330	0
Int1	12.25	9.625	40	3950	650	0
Prod	8.75	7	26	9075	615	3750
Liner1	6.125	4.5	11.6	13047	0	

Casing/Cement Program: Additional Comments

All mud, casing, cementing, and BOP info will be emailed to Donna Mull.

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 ☐ a general permit ☐ , or an (attached) alternative OCD-approved plan ☐ .		OIL CONSERVATION DIVISION	
Printed Name: Electronically filed by Zeno Farris		Approved By: Paul Kautz	
Title: Manager Operations Administration		Title: Geologist	
Email Address: zfarris@magnnumhunter.com		Approved Date: 5/7/2008 Expiration Date: 5/7/2010	
Date: 5/7/2008 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

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 74479

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-05-28025	2. Pool Code	3. Pool Name Abo Wildcat
4. Property Code 37156	5. Property Name BUNKER HILL 32 STATE COM	6. Well No. 004
7. OGRID No. 162683	8. Operator Name CIMAREX ENERGY CO. OF COLORADO	9. Elevation 4412

10. Surface Location

UL - Lot P	Section 32	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 32	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 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

	OPERATOR CERTIFICATION		
	<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: 5/7/2008		
	SURVEYOR CERTIFICATION		
<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: Gary L. Jones Date of Survey: 4/11/2008 Certificate Number: 7977			

Permit Comments

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: BUNKER HILL 32 STATE COM #004

API: 30-05-28025

Created By	Comment	Comment Date
NKRUEGER	C-102, C-144, and H2S statement will be emailed to Donna Mull.	5/6/2008
NKRUEGER	Preliminary directional survey will be emailed to Donna Mull.	5/6/2008
NKRUEGER	This well is a proposed horizontal Abo test. With a SHL in UL P and a BHL in UL M, it will require a 160-acre laydown S2S2 oil well spacing unit.	5/6/2008

Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: BUNKER HILL 32 STATE COM #004

API: 30-05-28025

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