

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 30-015-36222
4. Property Code 35931	5. Property Name CROW FLATS 16 STATE COM	6. Well No. 004

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	16	16S	28E	H	1980	N	330	E	EDDY

8. Pool Information

WILDCAT ABO	97019
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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 3586
14. Multiple N	15. Proposed Depth	16. Formation Abo	17. Contractor	18. Spud Date 4/1/2008
Depth to Ground water 75		Distance from nearest fresh water well		Distance to nearest surface water

Pit: Liner: Synthetic ☐ mils 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	330	391	0
Int1	12.25	9.625	40	1800	475	0
Prod	8.75	7	26	6750	630	1600
Liner1	6.125	4.5	11.6	10953	0	

Casing/Cement Program: Additional Comments

Complete mud, casing, cementing, and BOP details will be emailed to Kimberly Wilson.
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Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	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 NMOCB guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCB-approved plan <input type="checkbox"/> . Printed Name: Electronically filed by Zeno Farris Title: Manager Operations Administration Email Address: zfarris@magnumhunter.com Date: 3/18/2008 Phone: 972-443-6489	OIL CONSERVATION DIVISION	
	Approved By: Tim Gum	
	Title: District Supervisor	
	Approved Date: 3/28/2008	Expiration Date: 3/28/2010
	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

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Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
 Permit 71637

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-36222	2. Pool Code 97019	3. Pool Name WILDCAT ABO
4. Property Code 35931	5. Property Name CROW FLATS 16 STATE COM	6. Well No. 004
7. OGRID No. 162683	8. Operator Name CIMAREX ENERGY CO. OF COLORADO	9. Elevation 3586

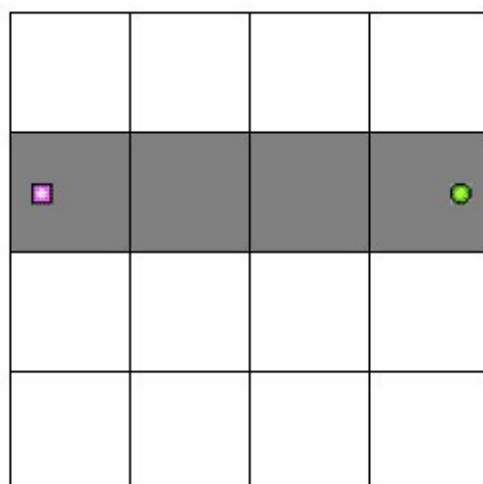
10. Surface Location

UL - Lot H	Section 16	Township 16S	Range 28E	Lot Idn	Feet From 1980	N/S Line N	Feet From 330	E/W Line E	County EDDY
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11. Bottom Hole Location If Different From Surface

UL - Lot E	Section 16	Township 16S	Range 28E	Lot Idn E	Feet From 1980	N/S Line N	Feet From 330	E/W Line W	County EDDY
12. Dedicated Acres 0.00		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 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: 3/18/2008

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: 2/6/2008
 Certificate Number: 7977

Permit Comments

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: CROW FLATS 16 STATE COM #004

API: 30-015-36222

Created By	Comment	Comment Date
NKRUEGER	C-144, H2S Statement, C-102, and preliminary directional survey will be emailed to Kimberly Wilson.	3/18/2008
NKRUEGER	The Crow Flats 16 St Com 4 is a proposed horizontal Abo test, with a SHL in UL H and a BHL in UL E. Therefore, it will require a S2N2 lay-down 160-acre spacing unit.	3/18/2008

Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: CROW FLATS 16 STATE COM #004

API: 30-015-36222

OCD Reviewer	Condition
kmwilson	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