

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 30-015-35556
4. Property Code 35931	5. Property Name CROW FLATS 16 STATE COM	6. Well No. 002

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	16	16S	28E	M	660	S	330	W	EDDY

8. Pool Information

CROW FLATS; WOLFCAMP	97102
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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 3573
14. Multiple N	15. Proposed Depth 10909	16. Formation Wolfcamp	17. Contractor	18. Spud Date 4/25/2007
Depth to Ground water 35		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 _____ miles thick Clay <input type="checkbox"/> Pit Volume: 8000 _____ bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input checked="" 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	48	335	390	0
Int1	11	8.625	24	1800	422	0
Prod	7.875	5.5	17	10909	1550	1300

Casing/Cement Program: Additional Comments

Pilot hole TVD 6750' with KO cement plug @ 6000'. KOP @ 6023.5'. EOC @ 6764' MD.

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 checked="" type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Zeno Farris	Approved By: Bryan Arrant
Title: Manager Operations Administration	Title: Geologist
Email Address: zfarris@magnumhunter.com	Approved Date: 4/20/2007 Expiration Date: 4/20/2008
Date: 4/16/2007 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

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Santa Fe, NM 87505

Form C-102
 Permit 51367

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-35556	2. Pool Code 97102	3. Pool Name CROW FLATS; WOLFCAMP
4. Property Code 35931	5. Property Name CROW FLATS 16 STATE COM	6. Well No. 002
7. OGRID No. 162683	8. Operator Name CIMAREX ENERGY CO. OF COLORADO	9. Elevation 3573

10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	16	16S	28E		660	S	330	W	EDDY

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
M	16	16S	28E	M	650	S	339	E	EDDY
12. Dedicated Acres 160.00		13. Joint or Infill		14. Consolidation Code		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

	<p align="center">OPERATOR CERTIFICATION</p> <p><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></p> <p>E-Signed By: Zeno Farris Title: Manager Operations Administration Date: 4/16/2007</p> <hr/> <p align="center">SURVEYOR CERTIFICATION</p> <p><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></p> <p>Surveyed By: Gary Jones Date of Survey: 3/29/2007 Certificate Number: 7977</p>
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Permit Comments

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: CROW FLATS 16 STATE COM #002

API: 30-015-35556

Created By	Comment	Comment Date
NKRUEGER	C-144 will be emailed to Tim Gum.	4/16/2007
NKRUEGER	H2S Statement will be emailed to Bryan Arrant.	4/16/2007
NKRUEGER	Complete mud, casing, and BOP details will be emailed to Bryan Arrant.	4/16/2007
NKRUEGER	Directional survey will be emailed to Bryan Arrant.	4/16/2007

Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: CROW FLATS 16 STATE COM #002

API: 30-015-35556

OCD Reviewer	Condition
BArrant	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
BArrant	Will require a directional survey with the C-104
BArrant	As noted, operator to drill surface hole with fresh water mud.