<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(505) 393-6161 Fax:(505) 393-0720

State of New Mexico

Form C-101 Permit 81486

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
0203	ENERGY CO. OF COLORADO	162683
	5 N. O'CONNOR BLVD. IRVING , TX 75039	3. API Number
	IICVINO , 12 75035	30-05-29055
4. Property Code	5. Property Name	6. Well No.
37375	MONTEREY 23 STATE COM	001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	23	15S	31E	Α	375	N	575	E	CHAVES

8. Pool Information

Additional Well Information

9. Work Type New Well				11. Cable/Rotary	ă .	12. Lease Type State	13. Ground Level Elevation 4369	
14. Multiple N			16. Formation 17. Contractor Abo		17. Contractor	18. Spud Date 9/30/2008		
Depth to Ground	Depth to Ground water			Distance from nearest fresh water well			Distance to nearest surface water	
Pit: Liner: Synthetic Closed Loop System	m. 「	mils thick	Clay	Pit Volume:		illing Method: esh Water 🔀 Brine 🗀	Diesel/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	48	350	330	0
Int1	12.25	9.625	40	3950	665	0
Prod	8.75	7	26	9075	615	3750
Liner1	6.125	4.5	11.6	12931	0	

Casing/Cement Program: Additional Comments

Drill surface, intermediate, and pilot holes and case and cement. Mill window from 8420' to 8430' and kick off 6-1/8" hole at 8425.' Drill to TD of MD 12931' and TVD 8740.' Set 4-1/2" liner from 8408' to 12931' with no cement, because it is a PEAK systems liner.

Proposed Blowout Prevention Program

Туре	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	Cameran

of my knowledge and belief.	tion given above is true and complete to the be 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: Electronics	ally filed by Zeno Farris	Title: Geologist				
Title: Manager Operation	s Administration	Approved Date: 9/19/2008	Expiration Date: 9/19/2010			
Email Address: zfarris@r	nagnumhunter.com					
Date: 9/5/2008	Phone: 972-443-6489					

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(505) 393-6161 Fax:(505) 393-0720

<u>District II</u>

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

Form C-102 Permit 81486

Energy, Minerals and Natural Resources

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3.	Pool Name
30-05-29055		AA	oo Wildcat
4. Property Code	5. Pr	operty Name	6. Well No.
37375	MONTERE	MONTEREY 23 STATE COM	
7. OGRID No.	8. O <u>r</u>	oerator Name	9. Elevation
162683	CIMAREX ENERG	BY CO. OF COLORADO	4369

10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County]
A	23	15S	31E		375	И	575	E	CHAVES	ı

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
D	23	15S	31E	D	375	N	375	w	CHAVES
12. Dedi	cated Acres	13. J	oint or Infill	1	4. Consolidation	Code	15. Order No.		
16	0.00				Communitization				

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

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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: 9/5/2008

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: 9/4/2008 Certificate Number: 7977

Permit Comments

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683 Well: MONTEREY 23 STATE COM #001

API: 30-05-29055

Created By	Comment	Comment Date
NKRUEGER	C-102, C-144, and preliminary directional survey will be emailed to Donna Mull.	9/5/2008
NKRUEGER	Well is proposed horizontal Abo test with an SHL in UL A and a BHL in UL D. Therefore, it will require a N2N2 laydown 160-acre oil well spacing unit.	9/5/2008
NKRUEGER	In accordance with NMAC 19.15.3.118 C. (1) governing the determination of the hydrogen sulfide concentration in gaseous mixtures in each of its operations, Cimarex Energy Co. 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 the drilling and completion of this test.	9/5/2008
DMULL	OCD received form C-144 "Pit Registration". OCD Permit Number P1-00475.	9/19/2008