

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 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-101
August 1, 2011
Permit 141350

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address CIMAREX ENERGY CO. 600 N MARIENFELD STREET MIDLAND , TX 79701		2. OGRID Number 215099
		3. API Number 30-025-40366
4. Property Code 309502	5. Property Name CORIANDER AOC STATE	6. Well No. 005H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	1	23S	32E	1	330	N	660	E	LEA

8. Pool Information

RED TANK;BONE SPRING	51683
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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 3757
14. Multiple N	15. Proposed Depth 14106	16. Formation Bone Spring	17. Contractor	18. Spud Date 2/15/2011
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

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	1245	2540	0
Int1	12.25	9.625	40	4500	1350	0
Prod	8.75	5.5	17	14106	2310	4500

Casing/Cement Program: Additional Comments

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Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	Cameran

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 ☐ . Printed Name: Electronically filed by GENE A HOLLOWAY Title: Email Address: gholloway@cimarex.com Date: 12/13/2011	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 12/13/2011	Expiration Date: 12/13/2013
	Phone: 918-295-1658	

Conditions of Approval Attached

SURFACE LOCATION
 Lat - N 32°20'24.67"
 Long - W 103°37'18.80"
 NMSPC# - N 488221.8
 E 761061.3
 (NAD-83)

PROPOSED BOTTOM HOLE LOCATION
 Lat - N 32°19'38.98"
 Long - W 103°37'15.45"
 NMSPC# - N 483604.0
 E 761379.5
 (NAD-83)

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 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.
 Signature: *[Signature]* Date: 12/13/11
 Printed Name: Terri Stathem
 Email Address: tstathem@cimarex.com

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.
 Date Surveyed: *[Signature]*
 Signature & Seal of Professional Surveyor: *[Signature]*
 Certificate No. Gary L. Jones 7977
 BASIN SURVEYS 25262

Permit Comments

Operator: CIMAREX ENERGY CO. , 215099

Well: CORIANDER AOC STATE #005H

API: 30-025-40366

Created By	Comment	Comment Date
pkautz	Land s/S	12/13/2011
DMULL	OCD Hobbs office has received form C-144CLEZ. OCD Permit Number P1-03999.	12/13/2011

Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. , 215099

Well: CORIANDER AOC STATE #005H

API: 30-025-40366

OCD Reviewer	Condition
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string