

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8161 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) 334-8178 Fax:(505) 334-8170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3482

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 192472

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
4. Property Code 309502		3. API Number 30-025-42148
5. Property Name CORIANDER AOC STATE		6. Well No. 005H

7. Surface Location

UL - Lot	A	Section	1	Township	23S	Range	32E	Lot Idn	Feet From	330	N/S Line	N	Feet From	660	E/W Line	E	County	Lea
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8. Proposed Bottom Hole Location

UL - Lot	P	Section	1	Township	23S	Range	32E	Lot Idn	P	Feet From	330	N/S Line	S	Feet From	375	E/W Line	E	County	Lea
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9. Pool Information

RED TANK;BONE SPRING	51683
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3757
16. Multiple N	17. Proposed Depth 14106	18. Formation Bone Spring	19. Contractor	20. Spud Date 12/22/2014
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☐ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	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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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	Cameron

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. Signature:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by GENE A HOLLOWAY	Approved By: Paul Kautz
Title: Prod Admin Supervisor	Title: Geologist
Email Address: gholloway@cimarex.com	Approved Date: 9/26/2014 Expiration Date: 9/26/2016
Date: 9/26/2014 Phone: 918-295-1658	Conditions of Approval Attached

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Form C-102
August 1, 2011
Permit 192472

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-42148	2. Pool Code 51683	3. Pool Name RED TANK,BONE SPRING
4. Property Code 309502	5. Property Name CORIANDER AOC STATE	6. Well No. 005H
7. OGRID No. 215099	8. Operator Name CIMAREX ENERGY CO.	9. Elevation 3757

10. Surface Location

UL - Lot A	Section 1	Township 23S	Range 32E	Lot Idn	Feet From 330	N/S Line N	Feet From 660	E/W Line E	County Lea
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11. Bottom Hole Location If Different From Surface

UL - Lot P	Section 1	Township 23S	Range 32E	Lot Idn P	Feet From 330	N/S Line S	Feet From 375	E/W Line E	County Lea
12. Dedicated Acres 159.95			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

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 25%; height: 30px;"></td><td style="width: 25%; height: 30px;"></td><td style="width: 25%; height: 30px;"></td><td style="width: 25%; height: 30px; text-align: center; background-color: #cccccc;">●</td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px; text-align: center; background-color: #cccccc;"></td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px; text-align: center; background-color: #cccccc;"></td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px; text-align: center; background-color: #cccccc;">■</td></tr> </table>				●												■	<p style="text-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: GENE A HOLLOWAY Title: Prod Admin Supervisor Date: 9/26/2014</p> <hr/> <p style="text-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: 10/21/2011 Certificate Number: 7977</p>
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Form APD Comments

Permit 192472

PERMIT COMMENTS

Operator Name and Address: CIMAREX ENERGY CO. [215099] 600 N MARIENFELD STREET MIDLAND , TX 79701	API Number: 30-025-42148
	Well: CORIANDER AOC STATE #005H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 192472

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: CIMAREX ENERGY CO. [215099] 600 N MARIENFELD STREET MIDLAND , TX 79701		API Number: 30-025-42148 <hr/> Well: CORIANDER AOC STATE #005H
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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
pkautz	Pit construction and closure must satisfy all requirements of your approved plan.
pkautz	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	1) SURFACE & INTERNEMATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water