

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 192547

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 30-025-42155
5. Property Name CORIANDER AOC STATE		6. Well No. 006H

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	990	E	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	1	23S	32E	P	330	S	990	E	Lea

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 14097	18. Formation Bone Spring	19. Contractor	20. Spud Date 1/5/2015
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	9.675	40	4500	1350	0
Prod	8.75	5.5	17	14097	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: _____ Printed Name: Electronically filed by GENE A HOLLOWAY Title: Prod Admin Supervisor Email Address: gholloway@cimarex.com Date: 9/29/2014	<div style="text-align: center;">OIL CONSERVATION DIVISION</div> Approved By: Paul Kautz Title: Geologist Approved Date: 10/1/2014 Expiration Date: 10/1/2016 Conditions of Approval Attached
Phone: 918-295-1658	

DISTRICT I
1826 N. French Dr., Hobbs, NM 88240
Phone (575) 893-6181 Fax: (575) 893-0720

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210
Phone (575) 748-1283 Fax: (575) 748-2720

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 834-8178 Fax: (505) 834-8170

DISTRICT IV
1820 S. St. Francis Dr., Santa Fe, NM 87503
Phone (505) 478-3400 Fax: (505) 478-3404

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 51683	Pool Name Red Tank; Bone Spring
Property Code 309502	Property Name CORIANDER "AOC" STATE	Well Number 6
GRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3757'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 1	1	23 S	32 E		330	NORTH	990	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	1	23 S	32 E		330	SOUTH	990	EAST	LEA
Dedicated Acres 159.95	Joint or Infill	Consolidation Code	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

LOT 4	LOT 3	LOT 2	LOT 1
		SURFACE LOCATION Lat - N 32°20'24.66" Long - W 103°37'22.64" NMSPC- N 488217.9 E 760731.5 (NAD-83)	330' S.L. 990'
		PROPOSED BOTTOM HOLE LOCATION Lat - N 32°19'38.95" Long - W 103°37'22.81" NMSPC- N 483598.5 E 760764.7 (NAD-83)	4820.5' B.H. 990'
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 <u>Terri Stathem</u> Date <u>12/13/11</u> Printed Name <u>tsathem@cimarex.com</u> Email Address _____			
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 <u>NOVEMBER 21, 2011</u> Signature & Seal of Professional Surveyor <u>GARY L. JONES</u> Certificate No. Gary L. Jones 7977 BASIN SURVEYS 25261			

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Santa Fe, NM 87505

Form APD Comments

Permit 192547

PERMIT COMMENTS

Operator Name and Address: CIMAREX ENERGY CO. [215099] 600 N MARIENFELD STREET MIDLAND , TX 79701	API Number: 30-025-42155
	Well: CORIANDER AOC STATE #006H

Created By	Comment	Comment Date
knaulsh	I CAN NOT GET THE LITTLE GREEN DOT TO GO TO TH BHL....	9/29/2014
knaulsh	ITS ON THE DEDICATED ACREAGE SECTION	9/29/2014

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Form APD Conditions

Permit 192547

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: CIMAREX ENERGY CO. [215099] 600 N MARIENFELD STREET MIDLAND , TX 79701	API Number: 30-025-42155
	Well: CORIANDER AOC STATE #006H

OCD Reviewer	Condition
DMULL	Will require a directional survey with the C-104
DMULL	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	Will require a directional survey with the C-104
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	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	1) SURFACE & INTERMEDIATE 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