

**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 186810

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

1. Operator Name and Address CIMAREX ENERGY CO. OF COLORADO 202 S. Cheyenne Ave, Ste 1000 Tulsa, OK 74103		2. OGRID Number 162683
		3. API Number 30-025-41894
4. Property Code 38276	5. Property Name STATE DR COM	6. Well No. 007H

**7. Surface Location**

UL - Lot C	Section 16	Township 19S	Range 32E	Lot Idn	Feet From 330	N/S Line N	Feet From 1980	E/W Line W	County Lea
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**8. Proposed Bottom Hole Location**

UL - Lot N	Section 16	Township 19S	Range 32E	Lot Idn N	Feet From 330	N/S Line S	Feet From 1980	E/W Line W	County Lea
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**9. Pool Information**

LUSK;BONE SPRING, EAST	41442
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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 3672
16. Multiple N	17. Proposed Depth 13941	18. Formation Bone Spring	19. Contractor	20. Spud Date 8/25/2014
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	900	556	0
Int1	12.25	9.625	40	4800	1166	0
Prod	8.75	5.5	17	13941	1737	4300

**Casing/Cement Program: Additional Comments**

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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	2000	Cameron
Double Ram	3000	3000	Cameron

<p>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.</p> <p>Signature:</p> <p>Printed Name: Electronically filed by TERRI STATHEM</p> <p>Title: Coord. Regulatory Compl</p> <p>Email Address: tstathem@cimarex.com</p> <p>Date: 5/28/2014</p>	<p><b>OIL CONSERVATION DIVISION</b></p> <p>Approved By: Paul Kautz</p> <p>Title: Geologist</p> <p>Approved Date: 6/9/2014</p> <p>Expiration Date: 6/9/2016</p> <p>Conditions of Approval Attached</p>
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**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-41894	2. Pool Code 41442	3. Pool Name LUSK;BONE SPRING, EAST
4. Property Code 38276	5. Property Name STATE DR COM	6. Well No. 007H
7. OGRID No. 162683	8. Operator Name CIMAREX ENERGY CO. OF COLORADO	9. Elevation 3672

**10. Surface Location**

UL - Lot C	Section 16	Township 19S	Range 32E	Lot Idn	Feet From 330	N/S Line N	Feet From 1980	E/W Line W	County Lea
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**11. Bottom Hole Location If Different From Surface**

UL - Lot N	Section 16	Township 19S	Range 32E	Lot Idn	Feet From 330	N/S Line S	Feet From 1980	E/W Line W	County Lea
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12. Dedicated Acres 320.00	13. Joint or Infill	14. Consolidation Code	15. Order No.
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**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><b>OPERATOR CERTIFICATION</b></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:       TERRI STATHEM          Title:               Coord. Regulatory Compl          Date:               5/28/2014</p>
	<p><b>SURVEYOR CERTIFICATION</b></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 L. Jones          Date of Survey:   5/15/2010          Certificate Number: 7977</p>

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Permit 186810

**PERMIT COMMENTS**

Operator Name and Address: CIMAREX ENERGY CO. OF COLORADO [162683] 202 S. Cheyenne Ave, Ste 1000 Tulsa, OK 74103	API Number: 30-025-41894
	Well: STATE DR COM #007H

Created By	Comment	Comment Date
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**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: CIMAREX ENERGY CO. OF COLORADO [162683] 202 S. Cheyenne Ave, Ste 1000 Tulsa, OK 74103	API Number: 30-025-41894
	Well: STATE DR COM #007H

OCD Reviewer	Condition
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	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water