

State of New Mexico
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

1. Operator Name and Address CIMAREX ENERGY CO. OF COLORADO 15 E 5TH STREET TULSA, OK 74103		2. OGRID Number 162683
		3. API Number 30-025-39795
4. Property Code 21762	5. Property Name STATE DR	6. Well No. 008

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	16	19S	32E	B	330	N	1630	E	LEA

8. Pool Information

LUSK;BONE SPRING, EAST	41442
------------------------	-------

Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3629
14. Multiple N	15. Proposed Depth 13952	16. Formation Bone Spring	17. Contractor	18. Spud Date 7/15/2010
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mls thick Clay <input type="checkbox"/> Pit Volume: bbls Drilling Method:				
Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

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	900	1140	0
Int1	12.25	9.625	40	4800	1095	0
Prod	8.75	7	26	9149	1230	4600
Liner1	6.125	4.5	11.6	13952	0	
Prod	8.75	2.875	2.18	9700	0	

Casing/Cement Program: Additional Comments

Set surface and intermediate casing. Drill to pilot hole TD of 9700.' Set 7" casing from 0-9149' and 2-7/8" fiberglass tubing from 9149-9700.' Cement to 4600' (FG and cement act as kick off plug for lateral). Then kick off 6-1/8" lateral hole and drill to TD. Run PEAK completion liner, which requires no cement.

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 <input type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 6/18/2010 Expiration Date: 6/18/2012
Printed Name: Electronically filed by Zeno Farris	
Title: Manager Operations Administration	
Email Address: zfarris@magnumhunter.com	
Date: 6/16/2010 Phone: 972-443-6489	Conditions of Approval Attached

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

District II
 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
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
 Permit 116075

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-39795	2. Pool Code 41442	3. Pool Name LUSK,BONE SPRING, EAST
4. Property Code 21762	5. Property Name STATE DR	6. Well No. 008
7. OGRID No. 162683	8. Operator Name CIMAREX ENERGY CO. OF COLORADO	9. Elevation 3629

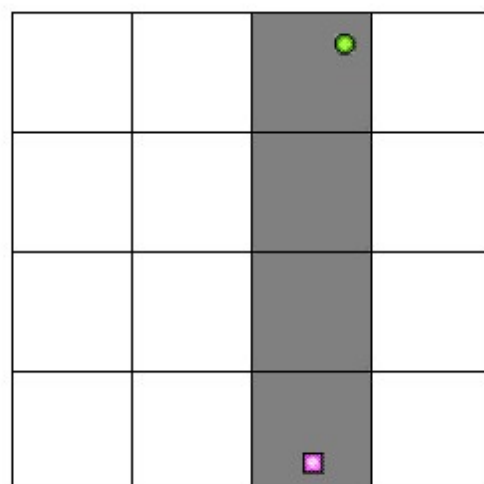
10. Surface Location

UL - Lot B	Section 16	Township 19S	Range 32E	Lot Idn	Feet From 330	N/S Line N	Feet From 1630	E/W Line E	County LEA
---------------	---------------	-----------------	--------------	---------	------------------	---------------	-------------------	---------------	---------------

11. Bottom Hole Location If Different From Surface

UL - Lot O	Section 16	Township 19S	Range 32E	Lot Idn O	Feet From 330	N/S Line S	Feet From 1980	E/W Line E	County LEA
12. Dedicated Acres 160.00		13. Joint or Infill		14. Consolidation Code Communitization		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



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: 6/16/2010

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: 5/15/2010
 Certificate Number: 7977

Permit Comments

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: STATE DR #008

API: 30-025-39795

Created By	Comment	Comment Date
NKRUEGER	C-102, C-144, and preliminary directional survey will be emailed to Hobbs OCD.	6/16/2010
DMULL	OCD Hobbs has received form C-144CLEZ. OCD Permit Number P1-02132.	6/17/2010

Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: STATE DR #008

API: 30-025-39795

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