State of New Mexico

Form C-101 Permit 119456

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	2. OGRID Number	
CIMAREX ENERGY CO. OF COLORADO 15 E 5TH STREET TULSA . OK 74103		162683	
		3. API Number	
10201	1,012/4103	30-025-39887	
4. Property Code	5. Property Name	6. Well No.	
300556	STATE HH	003H	

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	36	198	32E	D	560	N	330	W	LEA

8. Pool Information

	V-11-4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
LUSK:BONE SPRING, EAST		41442

Additional Well Information

9. Work Type	10. Wett Type	11. Cable/Rotary	12. Lesse Type	13. Ground Level Elevation
New Well	OIL		State	3570
14. Multiple	15. Proposed Depth	16. Formation	17. Contractor	18. Spud Date
N	14481	Bone Spring		10/15/2010
Depth to Ground	water	Distance from nearest from	esh water well	Distance to nearest surface water
Pit: Liner: Synthetic Closed Loop Syste	mils thick	Clay Pit Volume:	bbls Drilling Method: Fresh Water X Brine	Diesel/Oil-based Gas/Air

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	1350	1020	0
Int1	12.25	9.625	40	4500	1065	0
Prod	8.75	5.5	17	14481	2230	4300

Casing/Cement Program: Additional Comments

Drill 8¼" pilot hole to 10150' and log. Set 250 sx Class H cmt plug from 9504-10150.' Kick off 8¾" lateral @ 9754' and drill to TD @ 14481.' Run 5½" 17# P-110 LTC from 0-14481.'

Proposed Blowout Prevention Program

<u> </u>			6.0
Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	3000	Cameran

I hereby certify that the information giv of my knowledge and belief. I further certify that the drilling pit	ven above is true and complete to the best will be constructed according to	OIL CONSERVATION DIVISION Approved By: Paul Kautz		
	rmit or an (attached) alternative			
Printed Name: Electronically fil	ed by Zeno Farris	Title: Geologist		
Title: Manager Operations Adn	inistration	Approved Date: 8/1/2010	Expiration Date: 8/1/2012	
Email Address: zfarris@magnur	nhunter.com			
Date: 8/27/2010 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 I

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

Form C-102 Permit 119456

Energy, Minerals and Natural Resources Oil Conservation Division

1220 S. St Francis Dr. Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. I	ool Name	
30-025-39887	41442	LUSK;BONE SPRING, EAST		
4. Property Code	5. Property Name		6. Wett No.	
300556	STATE HH		003H	
7. OGRID No.	8. Operator	Name	9. Elevation	
162683	CIMAREX ENERGY CO. OF COLORADO		3570	

10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	36	198	32E	II. In one of	560	N	330	W	LEA

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	36	198	32E	A	660	N	330	E	LEA
	cated Acres	13. J	oint 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

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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: 8/27/2010

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 HH #003H API: 30-025-39887

Created By	Comment	Comment Date
NKRUEGER	C-102, C-144, and preliminary directional survey will be emailed to Hobbs office.	8/27/2010
DMULL	OCD Hobbs has received form C-144CLEZ. OCD Permit Number P1-02404.	8/31/2010

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

STATE HH #003H Well: API: 30-025-39887

OCD Reviewer	Condition
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
DMULL	Will require a directional survey with the C-104