State of New Mexico

Form C-101 Permit 125402

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

	r Name and Address	2. OGRID Number
CIMAREX ENER	162683	
600 N. Midla	3. API Number	
Iviidia	111 / / / / / /	30-025-40008
4. Property Code	5. Property Name	6. Well No.
38448	STATE HH COM	004

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	36	198	32E	A	330	N	400	E	LEA

8. Pool Information

GEM;BONE SPRING	27220

Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3574 18. Spud Date 2/15/2011	
14. Multiple N	15. Proposed Dep 14418	th 16. Formation Bone Spring	17. Contractor		
Depth to Ground	water	Distance from nearest fresh	water well	Distance to nearest surface water	
Pit: Liner: Synthetic Closed Loop Syste	mils th	ick Clay Pit Volume:	bbls Drilling Method: Fresh Water X Brine I	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	1080	0
Int1	12.25	9.625	40	4500	1195	0
Prod	8.75	5.5	17	14418	1635	4300

Casing/Cement Program: Additional Comments

Drill 8.75" pilot hole to 10150. Set 191 sx Halcem-H cement plug from 9580-10150. Using 8.75" bit, drill through cement and kick off 8.75" lateral @ 9640 and drill to lateral TD @ 14418 MD, 9900 TVD. Set 5.5" from 0 to lateral TD. Cement liner.

Proposed Blowout Prevention Program

			802	_
Type	Working Pressure	Test Pressure	Manufacturer	7
DoubleRam	5000	5000	Cameran	1

of my knowledge and belief.	on given above is true and complete to the best	OIL CONSERVATION DIVISION			
	al permit □, or an (attached) alternative	Approved By: Paul Kautz			
Printed Name: Electronical1	y filed by Zeno Farris	Title: Geologist			
Title: Manager Operations	Administration	Approved Date: 1/13/2011	Expiration Date: 1/13/2013		
Email Address: zfarris@cin	narex.com				
Date: 1/6/2011	Phone: 432-620-1936	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 125402

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

 API Number 30-025-40008 	2. Pool Code 27220	3. Pool Name GEM;BONE SPRING
4. Property Code 38448	5. Property Nar STATE HH C	
7. OGRID No. 162683	8. Operator Nat CIMAREX ENERGY CO. (

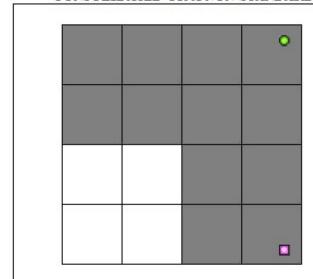
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	36	198	32E	Il la section 1	330	N	400	E	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
P	36	198	32E	4	330	S	400	E	LEA
12. Dedi	cated Acres	13. J	oint or Infill	14	. Consolidation	Code		15. Order No.	
479	9.35			(ommunitizati	on			

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: 1/6/2011

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 COM #004

API: 30-025-40008

Created By	Comment	Comment Date
NKRUEGER	C-102, C-144, and preliminary directional plan to be emailed to OCD.	1/6/2011
NKRUEGER	Cimarex Energy Co. of Colorado does not anticipate that there will be enough H2S from the surface to the Bone Spring formation to meet the OCD's minimum requirements for the submission of a contingency plan for this test.	1/6/2011
pkautz	Land S/S	1/7/2011
DMULL	OCD Hobbs has received form C-144CLEZ. OCD Permit Number P1-02780.	1/13/2011

Permit Conditions of Approval Operator: CIMAREX ENERGY CO. OF COLORADO , 162683 Well: STATE HH COM #004

API: 30-025-40008

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