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 2. OGRID Number CIMAREX ENERGY CO. OF COLORADO 162683 600 N. MARIENFELD ST 3. API Number MIDLAND , TX 79701 30-025-39938

5. Property Name	6. Well No.
JG STATE	024
	JG STATE

	7. Surface Location								
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	16	17S	32E	E	2310	Ν	330	W	LEA

8. Pool Information

44500

MALJAMAR;YESO, WEST

9. Work Type	10. Wett Type	Additional well in	Additional Well Information 11. Cable/Rotary 12. Lease Type State			
New Well	OIL	11. Cable/Rotary				
14. Multiple	15. Proposed Depth	16. Formation	17. Contractor	18. Spud Date		
N	7000	Blinebry		11/5/2010		
Depth to Ground	water	Distance from nearest fresh	h water well	Distance to nearest surface water		
Liner: Synthetic Closed Loop System	mils thick	Clay Pit Volume:	bbls Drilling Method: Fresh Water 🗙 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	16	11.75	42	800	550	0
Int1	11	8.625	24	2150	600	0
Prod	7.875	5.5	17	7000	900	0

Casing/Cement Program: Additional Comments

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer	
DoubleRam	3000	3000	Cameran	

of my knowledge and belief. I further certify that the drilling pit will be constructed according to	OIL CONSERVATION DIVISION				
NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .	Approved By: Paul Kautz				
Printed Name: Electronically filed by Zeno Farris	Title: Geologist				
Title: Manager Operations Administration	Approved Date: 10/12/2010 Expiration Date: 10/12/2012				
Email Address: zfarris@magnumhunter.com					
Date: 10/6/2010 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-39938			Pool Name IAR;YESO, WEST		
4. Property Code 38206		5. Property Name JG STATE			
7. OGRID No. 162683		8. Operator Name CIMAREX ENERGY CO. OF COLORADO			

	10. Surface Location								
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	16	1/5	32E		2310	N	330	W	LEA

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot	Idn	Feet From	N/S L	ine	Feet From	E/W Line	County
	cated Acres	13	Joint 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

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: 10/6/2010

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: 10/1/2010 Certificate Number: 7977

Permit Comments

Operator: CIMAREX ENERGY CO. OF COLORADO, 162683

Well: JG STATE #024 API: 30-025-39938

Created By	Comment	Comment Date
NKRUEGER	Cimarex Energy Co. of Colorado does not anticipate that there will be enough H2S from the surface to the Blinebry formation to meet the OCD's minimum requirements for the submission of a contingency plan for this test.	10/8/2010
NKRUEGER	C-144 will be emailed to Hobbs OCD.	10/6/2010
DMULL	OCD Hobbs office has received form C-144CLEZ. OCD Permit Number P1-02550.	10/12/2010

Permit Conditions of Approval Operator: CIMAREX ENERGY CO. OF COLORADO, 162683 Well: JG STATE #024

API: 30-025-39938

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