

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 5215 N. O'CONNOR BLVD. IRVING, TX 75039		2. OGRID Number 162683
		3. API Number 30-015-36628
4. Property Code 37384	5. Property Name KOOPA 32 STATE COM	6. Well No. 003

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	32	16S	29E	H	1680	N	330	E	EDDY

8. Pool Information

WC, GLORIETA-YESO	96065
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Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3603
14. Multiple N	15. Proposed Depth 8492	16. Formation Paddock	17. Contractor	18. Spud Date 10/15/2008
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic ☐ mls thick Clay ☐ Pit Volume: bbls Drilling Method:				
Closed Loop System ☐ 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	14.75	11.75	42	430	430	0
Int1	11	8.625	24	1350	430	850
Prod	7.875	5.5	17	4300	1485	1150
Liner1	4.75	2.875	6.5	8492	0	

Casing/Cement Program: Additional Comments

Drill surface, intermediate, and pilot holes. Set whipstock plug in 5-1/2" casing and mill window from 3695' to 3705.' Kick off 4-3/4" lateral at 3700' and drill to TD of MD 8492' and TVD 4000.' Install 2-7/8" PEAK Completion Liner in the lateral, which will require no cement.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	Cameron

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 ☐ a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

Printed Name: Electronically filed by Zeno Farris

Title: Manager Operations Administration

Email Address: zfarris@magnumhunter.com

Date: 9/17/2008 Phone: 972-443-6489

OIL CONSERVATION DIVISION

Approved By: Tim Gum

Title: District Supervisor

Approved Date: 9/20/2008 Expiration Date: 9/20/2010

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

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Santa Fe, NM 87505

Form C-102
 Permit 82222

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-36628	2. Pool Code 96065	3. Pool Name WC;GLORIETA-YESO
4. Property Code 37384	5. Property Name KOOA 32 STATE COM	6. Well No. 003
7. OGRID No. 162683	8. Operator Name CIMAREX ENERGY CO. OF COLORADO	9. Elevation 3603

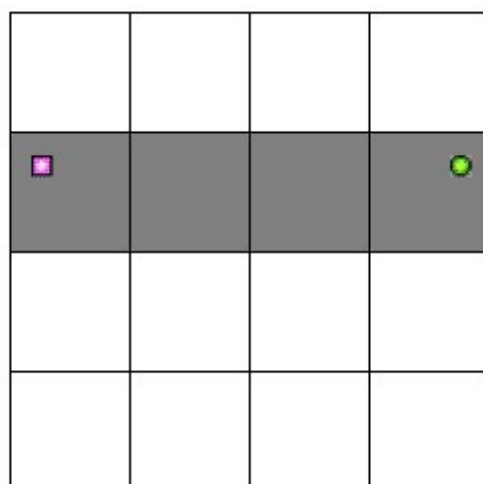
10. Surface Location

UL - Lot H	Section 32	Township 16S	Range 29E	Lot Idn	Feet From 1680	N/S Line N	Feet From 330	E/W Line E	County EDDY
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11. Bottom Hole Location If Different From Surface

UL - Lot E	Section 32	Township 16S	Range 29E	Lot Idn E	Feet From 1680	N/S Line N	Feet From 330	E/W Line W	County EDDY
12. Dedicated Acres 0.00		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: 9/17/2008

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: 9/4/2008
 Certificate Number: 7977

Permit Comments

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: KOOPA 32 STATE COM #003

API: 30-015-36628

Created By	Comment	Comment Date
NKRUEGER	Mud, casing, cement, and BOP program, along with C-102, C-144, and preliminary directional survey, will be emailed to Kimberly Wilson.	9/17/2008
NKRUEGER	Well is horizontal Glorieta-Yeso test with an SHL in UL H and a BHL in UL E. Therefore, it will require a lay-down S2N2 160-acre oil well spacing unit.	9/17/2008

Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: KOOPA 32 STATE COM #003

API: 30-015-36628

OCD Reviewer	Condition
TGUM	NOTE: TIE BACK CHANGE ON PRODUCTION CASING.