

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

Form C-101
Permit 119456

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

** OCD Hobbs*
Amending

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 |
| 4 Property Code 300556 | | 3 API Number 30-025-39887 |
| 5 Property Name STATE HH | | 6 Well No 003H |

7. Surface Location

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| D | 36 | 19S | 32E | D | 560 | N | 330 | W | 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 3570 |
| 14 Multiple N | 15 Proposed Depth 14481 | 16 Formation Bone Spring | 17 Contractor | 18 Spud Date 10/15/2010 |
| 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 <input checked="" type="checkbox"/> 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 8 3/4" pilot hole to 10150' and log. Set 250 sx Class H cmt plug from 9504-10150.' Kick off 8 3/4" lateral @ 9754' and drill to TD @ 14481.' Run 5 1/2" 17# P-110 LTC from 0-14481.'

Proposed Blowout Prevention Program

| Type | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Double Ram | 5000 | 3000 | 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 NMOC guidelines, a general permit, or an (attached) alternative OCD-approved plan. | OIL CONSERVATION DIVISION |
| Printed Name: Electronically filed by Zeno Farris | Approved By: Paul Kautz |
| Title: Manager Operations Administration | Title: Geologist |
| Email Address: zfarris@magnumhunter.com | Approved Date: <i>08-31-10</i> Expiration Date: <i>08-31-2012</i> |
| Date: 8/27/2010 | Conditions of Approval Attached |
| Phone: 972-443-6489 | |

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District I

1625 N French Dr , Hobbs, NM 88240

District II

1301 W Grand Ave , Artesia, NM 88210

District III

1000 Rio Brazos Rd , Aztec, NM 87410

District IV

1220 S St Francis Dr , Santa Fe, NM 87505

Form C-102
Permit 119456

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

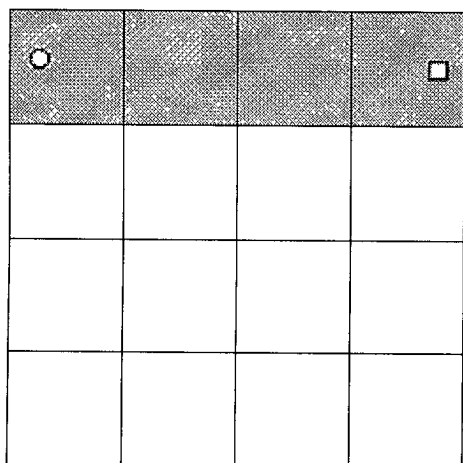
10. Surface Location

| | | | | | | | | | |
|---------------|---------------|-----------------|--------------|---------|------------------|---------------|------------------|---------------|---------------|
| UL - Lot D | Section 36 | Township 19S | Range 32E | Lot Idn | Feet From 560 | N/S Line N | Feet From 330 | E/W Line W | County LEA |
|---------------|---------------|-----------------|--------------|---------|------------------|---------------|------------------|---------------|---------------|

11. Bottom Hole Location If Different From Surface

| | | | | | | | | | |
|------------------------------|--------------------|-----------------------|--------------|---------|------------------|---------------|------------------|---------------|---------------|
| UL - Lot A | Section 36 | Township 19S | Range 32E | Lot Idn | Feet From 660 | N/S Line N | Feet From 330 | E/W Line E | County LEA |
| 12 Dedicated Acres 160.00 | 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: 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