

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone (575) 393-6161 Fax (575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone (575) 748-1283 Fax (575) 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**

Form C-101  
August 1, 2011

Permit 143995

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address CIMAREX ENERGY CO. OF COLORADO 600 N. Marienfeld St Midland, TX 79701		2. OGRID Number 162683
		3. API Number 30-015-39955
4. Property Code 38681	5. Property Name CHAPARRAL STATE	6. Well No. 021H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	32	19S	29E	D	170	N	660	W	EDDY

**8. Pool Information**

WINCHESTER;BONE SPRING	65010
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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 3312
14. Multiple N	15. Proposed Depth 13624	16. Formation Bone Spring	17. Contractor	18. Spud Date 3/1/2012
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

**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	300	300	0
Int 1	12.25	9.625	40	3500	983	0
Prod	8.75	5.5	17	13624	725	3300

**Casing/Cement Program: Additional Comments**

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**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	Cameran

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 <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> . Printed Name: Electronically filed by Zeno Farris Title: Manager Operations Administration Email Address: zfarris@cimarex.com	<b>OIL CONSERVATION DIVISION</b>
	Approved By: <i>T. C. Shepard</i>
	Title: <i>66040015</i>
	Approved Date: <i>3/22/2012</i> Expiration Date: <i>3/22/2014</i>

**RECEIVED**  
MAR 22 2012  
**MOOD ARTESIA**

**DISTRICT I**  
1085 N. French Dr., Hobbs, NM 88240

**DISTRICT II**  
1301 W. Grand Avenue, Artesia, NM 88210

**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM 87410

**DISTRICT IV**  
1220 E. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-102  
Revised July 16, 2010  
Submit one copy to appropriate  
District Office

**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

AMENDED REPORT

API Number <b>30-015-3955</b>	Pool Code 65010	Pool Name Winchester; Bone Spring
Property Code 38681	Property Name <b>CHAPARRAL STATE</b>	
Well Number 21	Operator Name <b>CIMAREX ENERGY CO. OF COLORADO</b>	
OGRID No. 162683	Elevation <b>3312'</b>	

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	32	19 S	29 E		170	NORTH	660	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	32	19 S	29 E		330	SOUTH	330	WEST	EDDY

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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**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**

**SURFACE LOCATION**  
 Lat - N 32°37'27.43"  
 Long - W 104°06'12.37"  
 NMSPC - N 590822.1  
           E 612115.6  
 (NAD-83)

**PROPOSED BOTTOM HOLE LOCATION**  
 Lat - N 32°38'39.58"  
 Long - W 104°06'16.22"  
 NMSPC - N 586088.2  
           E 611796.7  
 (NAD-83)

**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 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.*

Signature: *Terri Stathem*      Date: 2/6/12  
 Printed Name: Terri Stathem  
 Email Address: tstathem@cimarex.com

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**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.*

Date Surveyed: 2/6/12  
 Signature: *Gary L. Jones*  
 Certificate No. Gary L. Jones 7977  
 BASIN SURVEYS 25885

## Permit Conditions of Approval

**Operator:** CIMAREX ENERGY CO. OF COLORADO , 162683

**Well:** CHAPARRAL STATE #021H

**API:** 30-015-39955

<b>OCD Reviewer</b>	<b>Condition</b>
CSHAPARD	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

## Permit Comments

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: CHAPARRAL STATE #021H

API:

Created By	Comment	Comment Date
CSHAPARD	Land s/S	2/7/2012
CSHAPARD	Btm hole; selected spacing unit overlapping an existing spacing unit. Waiting on ltr. of approval	2/9/2012
CSHAPARD	APD will be approved with hard copy due to acreage overlap requirements	3/22/2012