

**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 139687

**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 30-025-40356
4. Property Code 38859	5. Property Name WHITHERSPOON 21 STATE COM	6. Well No. 004H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	21	21S	33E	A	330	N	350	E	LEA

**8. Pool Information**

WILDCAT;BONE SPRING	96403
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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 3686
14. Multiple N	15. Proposed Depth 14172	16. Formation Bone Spring	17. Contractor	18. Spud Date 11/15/2011
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	1725	1455	0
Int1	12.25	9.625	40	5200	1585	0
Prod	8.75	5.5	17	14172	3125	0

**Casing/Cement Program: Additional Comments**

After setting surface and intermediate casing, drill 8.75" hole to KOP 9389' and kickoff and drill 8.75" lateral to TD 9675' TVD, 14172' MD. Run 5.5" casing from 0-TD and cement.

**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 Date: 11/7/2011	<b>OIL CONSERVATION DIVISION</b>	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 12/7/2011	Expiration Date: 12/7/2013
	Phone: 432-620-1936	

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

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	Pool Code	Pool Name Teas; Bone Spring, Wildcat
Property Code	Property Name WITHERSPOON "21" STATE	Well Number 4H
GRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3680'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	21	21 S	33 E		330	NORTH	350	EAST	LEA

**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
P	21	21 S	33 E		330	SOUTH	350	EAST	LEA
Dedicated Acres 160	Joint or Infill	Consolidation Code	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

<p><b>SURFACE LOCATION</b> Lat - N 32°28'14.56" Long - W 103°34'12.46" NAD83 - N 536817.6 E 775708.3 (NAD-83)</p> <p><b>PROPOSED BOTTOM HOLE LOCATION</b> Lat - N 32°27'28.85" Long - W 103°34'12.40" NAD83 - N 531197.6 E 776746.8 (NAD-83)</p>	<p>VB-2082</p> <p>VB-2083</p>	<p>350'</p> <p>4627.0'</p> <p>350'</p> <p>B.H.</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>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.</p> <p>Signature: <i>Terri Stathem</i> Date: _____</p> <p>Printed Name: <u>terri@cimarex.com</u></p> <p>Email Address: _____</p>
			<p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>Date: <u>SEPTEMBER 1, 2011</u></p> <p>Signature: <i>[Signature]</i></p> <p>Professional Surveyor No. <u>7977</u></p> <p>Certificate No. <u>25035</u></p> <p>Certified by: <u>L. Jones</u></p> <p><b>BASIN SURVYS 25035</b></p>

## Permit Comments

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

**Well:** WHITHERSPOON 21 STATE COM #004H

**API:** 30-025-40356

Created By	Comment	Comment Date
stathemtd	Well is located outside the LMR and outside the buffer. There are no potash leases in the area.	11/7/2011
stathemtd	BOP diagram sent to D. Mull via email.	11/7/2011
stathemtd	C144 EZ sent to D. Mull via email.	11/7/2011
stathemtd	Prelim directional survey sent to D. Mull via email.	11/7/2011
pkautz	POTASH AREA Requires verification by BLM & SLO	11/7/2011
pkautz	land s/S	11/7/2011
DMULL	Response letters from BLM & SLO have been received. BLM & SLO state Not in LMR & Buffer Zone.	12/7/2011
DMULL	OCD Hobbs office has received form C-144CLEZ. OCD Permit Number P1-03973.	12/7/2011