

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 139661

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 30-025-40351
4. Property Code 38859	5. Property Name WHITHERSPOON 21 STATE COM	6. Well No. 001H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	21	21S	33E	D	330	N	500	W	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 3673
14. Multiple N	15. Proposed Depth 14173	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	14173	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, 14173' 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	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 12/6/2011	Expiration Date: 12/6/2013
	Conditions of Approval Attached	

DISTRICT I
1025 N. French Dr., Hobbs, NM 88240

DISTRICT II
1901 W. Grand Avenue, Artesia, NM 88210

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

DISTRICT IV
1200 E. 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	Well Number
	WITHERSPOON "21" STATE	1H
OGRIID No. 162683	Operator Name	Elevation
	CIMAREX ENERGY CO. OF COLORADO	3673'

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	21	21 S	33 E		330	NORTH	500	WEST	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
M	21	21 S	33 E		330	SOUTH	350	WEST	LEA

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

	<p>SURFACE LOCATION Lot - N 32°28'14.64" Long - W 103°35'03.98" MUSPCE - N 635783.7 E 772284.8 (NAD-83)</p>	<p>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 undivided 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: Terri Stathem</p> <p>Email Address: tstathem@cimarex.com</p>
	<p>PROPOSED BOTTOM HOLE LOCATION Lot - N 32°27'28.94" Long - W 103°35'05.67" MUSPCE - N 631174.5 E 772182.7 (NAD-83)</p>	<p>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.</p> <p>Date Surveyed: SEPTEMBER 10, 2011</p> <p>Signature & Seal of Professional Surveyor: <i>Gary L. Jones</i></p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS 25031</p>

Permit Comments

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: WHITHERSPOON 21 STATE COM #001H

API: 30-025-40351

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	Land s/S	11/7/2011
pkautz	POTASH AREA R-111-P requires OCD to receive approval from BLM and SLO	11/7/2011

Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: WHITHERSPOON 21 STATE COM #001H

API: 30-025-40351

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