

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-8161 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 179867

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

1. Operator Name and Address CIMAREX ENERGY CO. 600 N MARIENFELD STREET MIDLAND, TX 79701		2. OGRID Number 215099
4. Property Code 40331		3. API Number 30-025-41609
5. Property Name WITHERSPOON 23 STATE		6. Well No. 004H

**7. Surface Location**

UL - Lot A	Section 23	Township 21S	Range 33E	Lot Idn	Feet From 330	N/S Line N	Feet From 660	E/W Line E	County Lea
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**8. Proposed Bottom Hole Location**

UL - Lot P	Section 23	Township 21S	Range 33E	Lot Idn P	Feet From 330	N/S Line S	Feet From 660	E/W Line E	County Lea
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**9. Pool Information**

BERRY;BONE SPRING, NORTH	5535
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**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3780
16. Multiple N	17. Proposed Depth 16262	18. Formation 3rd Bone Spring Sand	19. Contractor	20. Spud Date 2/1/2014
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	1875	1455	0
Int1	12.25	9.625	36	5450	1650	0
Prod	8.5	5.5	17	16262	3125	4000

**Casing/Cement Program: Additional Comments**

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**22. Proposed Blowout Prevention Program**

Type Double Ram	Working Pressure 5000	Test Pressure 5000	Manufacturer Cameran
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23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.  Signature:	<b>OIL CONSERVATION DIVISION</b>
Printed Name: Electronically filed by GENEVA A HOLLOWAY	Approved By: Paul Kautz
Title: Prod Admin Supervisor	Title: Geologist
Email Address: gholloway@cimarex.com	Approved Date: 1/17/2014      Expiration Date: 1/17/2016
Date: 1/15/2014      Phone: 918-295-1658	Conditions of Approval Attached

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Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30025-	<sup>2</sup> Pool Code 96403	<sup>3</sup> Pool Name Wildcat Bone Spring
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>WITHERSPOON 23 STATE</b>	<sup>6</sup> Well Number <b>4H</b>
<sup>7</sup> OGRID No. 215099	<sup>8</sup> Operator Name <b>CIMAREX ENERGY COMPANY</b>	<sup>9</sup> Elevation <b>3780'</b>

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>A</b>	<b>23</b>	<b>21-S</b>	<b>33-E</b>		<b>330</b>	<b>NORTH</b>	<b>660</b>	<b>EAST</b>	<b>LEA</b>

<sup>11</sup> 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
<b>P</b>	<b>23</b>	<b>21-S</b>	<b>33-E</b>		<b>330</b>	<b>SOUTH</b>	<b>660</b>	<b>EAST</b>	<b>LEA</b>

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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><b>CORNER DATA</b> NAD 83 GRID - NM EAST</p> <p>A: FOUND BRASS CAP "1913" N 530892.2 - E 782406.6</p> <p>B: FOUND BRASS CAP "1913" N 533531.0 - E 782387.5</p> <p>C: FOUND BRASS CAP "1913" N 536171.7 - E 782367.5</p> <p>D: FOUND BRASS CAP "1913" N 536195.3 - E 787636.7</p> <p>E: FOUND BRASS CAP "1913" N 530921.4 - E 787679.8</p> <p>F: FOUND BRASS CAP "1913" N 530904.8 - E 785041.9</p> <p><b>GEODETIC DATA</b> NAD 83 GRID - NM EAST</p> <p><b>SURFACE LOCATION</b> N 535862.4 - E 786979.5</p> <p>LAT: 32.47062902° N LONG: 103.53682472° W</p> <p><b>BOTTOM LOCATION</b> N 531247.2 - E 787017.2</p>	<p><b>17 OPERATOR CERTIFICATION</b> 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 released 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 filed by the division.</p> <p>Signature: <i>Terri Stathem</i> Date: 1-14-14</p> <p>Printed Name: Terri Stathem</p> <p>E-mail Address: tstathem@cimarex.com</p> <p><b>18 SURVEYOR CERTIFICATION</b> 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 of Survey: 12/23/13</p> <p>Signature and Seal of Professional Surveyor: <i>[Signature]</i></p> <p>11398</p> <p>Certificate Number: 11398</p> <p>12/27/13 Datum NAD83</p>
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**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form APD Comments  
Permit 179867

**PERMIT COMMENTS**

Operator Name and Address: CIMAREX ENERGY CO. [215099] 600 N MARIENFELD STREET MIDLAND , TX 79701	API Number: 30-025-41609
	Well: WITHERSPOON 23 STATE #004H

Created By	Comment	Comment Date
DMULL	State/State	1/15/2014
DMULL	Location of well shows to be in the Potash Area. Sending notice to the BLM & SLO for confirmation per R-111-P.	1/15/2014
DMULL	BLM & SLO have response that the location of this well in not in the LMR of the Buffer Zone of the Potash area.	1/16/2014

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Form APD Conditions

Permit 179867

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: CIMAREX ENERGY CO. [215099] 600 N MARIENFELD STREET MIDLAND , TX 79701	API Number: 30-025-41609
	Well: WITHERSPOON 23 STATE #004H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	1) SURFACE & INTERNEMATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
DMULL	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
DMULL	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