

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
May 27, 2004

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit to appropriate District Office

AMENDED REPORT

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

<sup>1</sup> Operator Name and Address Cimarex Energy Co. of Colorado PO Box 140907 Irving, TX 75014-0907		<sup>2</sup> OGRID Number 162683	
<sup>3</sup> Property Code		<sup>3</sup> API Number 30 - 015-32806	
<sup>4</sup> Property Name Crawford 27		<sup>5</sup> Well No. 004	
<sup>9</sup> Proposed Pool 1 White City; Penn, (Gas) 87280		<sup>10</sup> Proposed Pool 2	

<sup>7</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
D	27	24S	26E		660	North	1310	West	Eddy

<sup>8</sup> Proposed 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

Additional Well Information

<sup>11</sup> Work Type Code E	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary C	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 3602' GR
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 11700'	<sup>18</sup> Formation Morrow	<sup>19</sup> Contractor N/A	<sup>20</sup> Spud Date When Approved
Depth to Groundwater < 50'		Distance from nearest fresh water well > 1000'		Distance from nearest surface water > 1000'
Pit: Liner: Synthetic <input type="checkbox"/> _____mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method:				
Closed-Loop System <input checked="" type="checkbox"/> Flowback Tanks Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13-3/4"	48	430'	360sx	Surface
11"	9-5/8"	36#	3832'	1100sx	Surface
7-7/8"	5-1/2" P-110	17#	11700'	1620sx	Toc 2700'

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

The Crawford 27 # 4 was drilled to 11700' with only surface and intermediate casing set as shown above. The well was plugged and abandoned as a dry hole. We propose to re-enter and drill out plugs to TD, run production casing, and perf, and test the Morrow.

All fluids will be contained in flowback tanks,

Cimarex will use a 5000 psi BOP system.

<sup>23</sup> 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 , a general permit , or an (attached) alternative OCD-approved plan .

Printed name: Zeno Farris *Zeno Farris*

Title: Manager Operations Administration

E-mail Address: [zfarris@cimarex.com](mailto:zfarris@cimarex.com)

Date: May 22, 2006

Phone: 972-443-6489

OIL CONSERVATION DIVISION

Approved by:

**BRYAN G. ARRANT**

**DISTRICT II GEOLOGIST**

Approval Date: **MAY 24 2006**

Expiration Date: **MAY 24 2007**

Conditions of Approval Attached

5017  
29.5

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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 October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-015-32806		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name White City; Penn, (Gas) 87280	
<sup>4</sup> Property Code		<sup>5</sup> Property Name Crawford 27			<sup>6</sup> Well Number 004
<sup>7</sup> OGRID No. 162683		<sup>8</sup> Operator Name Cimarex Energy Co. of Colorado			<sup>9</sup> Elevation 3602' GR

<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
D	27	24S	26E		660	North	1310	West	Eddy

<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
<sup>12</sup> Dedicated Acres 640		<sup>13</sup> Joint or Infill Y		<sup>14</sup> Consolidation Code		<sup>15</sup> 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.

<sup>16</sup> 	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> <i>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.</i>  Signature <span style="float: right;">Date</span> Zeno Farris <span style="float: right;">March 21, 2006</span> Printed Name	
	<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> <i>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.</i> Date of Survey Signature and Seal of Professional Surveyor:	
	Certificate Number	



**Cimarex Energy Co. of Colorado**

5215 North O'Connor Blvd. ♦ Suite 1500 ♦ Irving, TX 75039 ♦ (972) 401-3111 ♦ Fax (972) 443-6486

Mailing Address: P.O. Box 140907 ♦ Irving, TX 75014-0907

*A subsidiary of Cimarex Energy Co. • A NYSE Listed Company • "XEC"*

May 22, 2006

Oil Conservation Division  
District II Office  
1301 W. Grand Ave.  
Artesia, New Mexico 88210  
Attn: Mr. Bryan Arrant

Re: Statewide Rule 118  
Hydrogen Sulfide Gas Contingency Plan  
Proposed Crawford 27 No. 4 Re-Entry Well

RECEIVED

MAY 23 2006

JULY 2006

Dear Mr. Arrant:

In accordance with NMAC 19.15.3.118 C. (1) governing the determination of the hydrogen sulfide concentration in gaseous mixtures in each of its operations, Cimarex Energy Co. of Colorado does not anticipate that there will be enough H<sub>2</sub>S from the surface to the Morrow/Atoka formations to meet the OCD's minimum requirements for the submission of a contingency plan for the drilling and completion of the following test(s):

Crawford 27 No. 4 Re-Entry  
660' FNL & 1310' FWL  
D-27-24S-26E  
Eddy County, NM

If anything further is needed regarding this issue, or if you have any questions, please feel free to contact the undersigned at 972-443-6489.

Yours truly,

Zeno Farris  
Manager, Operations Administration