

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-104  
Revised August 1, 2011

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

Submit one copy to appropriate District Office

AMENDED REPORT

**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

<sup>1</sup> Operator name and Address Cimarex Energy Co. of Colorado 600 N. Marienfeld St., Ste. 600 Midland, TX 79701		<sup>2</sup> OGRID Number 162683
		<sup>3</sup> Reason for Filing Code/ Effective Date RC - 3/24/12
<sup>4</sup> API Number 30 -015- 34788	<sup>5</sup> Pool Name White City; Penn (Gas)	<sup>6</sup> Pool Code 87280
<sup>7</sup> Property Code 34056	<sup>8</sup> Property Name MARQUARDT I PENN FEDERAL	<sup>9</sup> Well Number 003

**II. <sup>10</sup> Surface Location**

UL or lot no. L	Section 1	Township 25S	Range 26E	Lot Idn	Feet from the 1780	North/South Line South	Feet from the 735	East/West line West	County Eddy
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**<sup>11</sup> Bottom Hole Location**

UL or lot no. L	Section 1	Township 25S	Range 26E	Lot Idn	Feet from the 1780	North/South line South	Feet from the 735	East/West line West	County Eddy
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code F	<sup>14</sup> Gas Connection Date 3/24/12	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

**III. Oil and Gas Transporters**

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
21778	Sunoco Inc. R & M P O Box 2039; Tulsa OK	
226737	DCP Mistream 370 17th St, Ste 2500; Denver CO	
<b>NM OIL CONSERVATION</b> ARTESIA DISTRICT		
JUN 8 2015		
<b>RECEIVED</b>		

**IV. Well Completion Data**

<sup>21</sup> Spud Date 9/1/06	<sup>22</sup> Ready Date 3/25/12	<sup>23</sup> TD 11875	<sup>24</sup> PBSD 11050	<sup>25</sup> Perforations 10336-10392	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement		
17.5	13.375 J55	215	250		
12.25	9.625 J55	2770	850		
8.75	5.5 P110	11875	1860		
	2.375	10240			

**V. Well Test Data**

<sup>31</sup> Date New Oil N/A	<sup>32</sup> Gas Delivery Date 3/24/12	<sup>33</sup> Test Date 3/25/12	<sup>34</sup> Test Length 24 hrs	<sup>35</sup> Tbg. Pressure 400	<sup>36</sup> Csg. Pressure 0
<sup>37</sup> Choke Size 17/64	<sup>38</sup> Oil 0	<sup>39</sup> Water 0	<sup>40</sup> Gas 62	<sup>41</sup> Test Method	

<sup>42</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Paula Brunson*

Printed name: Paula Brunson

Title: Regulatory

E-mail Address: pbrunson@cimarex.com

Date: 6/5/2015

Phone: 432-571-7848

OIL CONSERVATION DIVISION	
Approved by: <i>[Signature]</i>	Title: <i>[Signature]</i>
Approval Date: 6-12-15	
Pending BLM approvals will subsequently be reviewed and scanned	

**Refile C-102 on current form**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMNM14124

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

8. Well Name and No.  
MARQUARDT 1 PENN FEDERAL 003

9. API Well No.  
30-015-34788

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
CIMAREX ENERGY COMPANY  
Contact: PAULA BRUNSON  
E-Mail: pbrunson@cimarex.com

3a. Address  
600 N MARIENFELD STE 600  
MIDLAND, TX 79701

3b. Phone No. (include area code)  
Ph: 432-571-7848

10. Field and Pool, or Exploratory  
WHITE CITY; PENN (GAS)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 1 T25S R26E 1780FSL 735FWL

11. County or Parish, and State  
EDDY COUNTY, NM

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

3/13/12. TIH. Set 5-1/2 in. CBP at 11050. Perf Strawn 10336-10392, 57 holes, 0.34 hole size.  
3/14/12 ? TIH w/ 2-3/8 tubing and packer. Set at 10297. Acidize w/ 3000 gals 7-1/2% NeFe HCL.  
3/15/12 ? Swab well.  
3/21/12 ? Swab well to PBTD @ 11050.  
4/11/12 ? Flow well to sales.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #304111 verified by the BLM Well Information System  
For CIMAREX ENERGY COMPANY, sent to the Carlsbad**

Name (Printed/Typed) PAULA BRUNSON	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 06/05/2015

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By _____	Title _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____

Pending BLM approvals will  
subsequently be reviewed  
and scanned 

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to provide to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUN 8 2015

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**  
**RECEIVED**

5. Lease Serial No.  
NMNM14124

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
 Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name  
7. Unit or CA Agreement Name and No.

2. Name of Operator **CIMAREX ENERGY COMPANY** Contact: PAULA BRUNSON  
E-Mail: pbrunson@cimarex.com

8. Lease Name and Well No.  
MARQUARDT 1 PENN FEDERAL 003

3. Address **600 N MARIENFELD STE 600 MIDLAND, TX 79701** 3a. Phone No. (include area code)  
Ph: 432-571-7848

9. API Well No.  
30-015-34788

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **1780FSL 735FWL**  
 At top prod interval reported below **1780FSL 735FWL**  
 At total depth **1780FSL 735FWL**

10. Field and Pool, or Exploratory  
WHITE CITY; PENN (GAS)  
11. Sec., T., R., M., or Block and Survey  
or Area **Sec 1 T25S R26E Mer**  
12. County or Parish  
EDDY 13. State  
NM

14. Date Spudded **09/01/2006** 15. Date T.D. Reached **09/27/2006** 16. Date Completed  
 D & A  Ready to Prod.  
**04/11/2012**

17. Elevations (DF, KB, RT, GL)\*  
3313 GL

18. Total Depth: MD **11875** TVD **MD 11050** 19. Plug Back T.D.: MD **11050** TVD **MD 11050** 20. Depth Bridge Plug Set: MD **11050** TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) 22. Was well cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit analysis)  
Directional Survey?  No  Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	215		250		0	
12.250	9.625 J55	40.0	0	2770		850		0	
8.750	5.500 P110	17.0	0	11875	7638	1860			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	10240	10268						

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) STRAWN	10336	10392	10336 TO 10392	0.340	57	OPEN
B)			11128 TO 11214	0.000	150	ISOLATED; CBP @ 11050
C)			11327 TO 11388	0.000	48	ISOLATED; CBP @ 11290
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
10336 TO 10392	3000 GALS 7.5% NEFE HCL

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/24/2012	03/25/2012	24	→	0.0	62.0	0.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
17/64	SI	400	→	0	62	0	0	PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

Pending BLM approvals will subsequently be reviewed and scanned *[Signature]*

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
STRAWN	10336	10394	SAND, GAS	STRAWN	10328
MORROW	11128	11214	SAND, GAS	ATOKA	10564
				MORROW	10900

32. Additional remarks (include plugging procedure):

Attachments:  
C-102  
C-104  
Well Bore Diagram

33. Circle enclosed attachments:

- |                                                       |                    |               |                       |
|-------------------------------------------------------|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7 Other:      |                       |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #304121 Verified by the BLM Well Information System.  
For CIMAREX ENERGY COMPANY, sent to the Carlsbad**

Name (please print) PAULA BRUNSON Title REGULATORY ANALYST

Signature \_\_\_\_\_ (Electronic Submission) Date 06/05/2015

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***