

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. Mariefeld St. Suite 600 Midland, TX 7901		<sup>2</sup> OGRID Number 162683
		<sup>3</sup> Reason for Filing Code/ Effective Date NW / 08/28/2018
<sup>4</sup> API Number 30-025-42324	<sup>5</sup> Pool Name WC-025 G-06 S253329D; Upper Bone Spring	<sup>6</sup> Pool Code 97994
<sup>7</sup> Property Code 300545	<sup>8</sup> Property Name Red Hills Unit	<sup>9</sup> Well Number 16H

**II. <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	33	25S	33E		506	North	584	West	Lea

**<sup>11</sup> Bottom Hole Location**

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	4	26S	33E		344	South	382	West	Lea

<sup>12</sup> Lsc Code	<sup>13</sup> Producing Method Code	<sup>14</sup> Gas Connection Date	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date
F	P	08/28/2018			

**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 R&M PO Box 2039 Tulsa OK 74102	O
174238	Enterprise Crude Oil LLC 210 Park Ave., Suite 1600 Oklahoma City, OK 7310	G

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**IV. Well Completion Data**

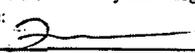
V- 9251

<sup>21</sup> Spud Date	<sup>22</sup> Ready Date	<sup>23</sup> TD	<sup>24</sup> PBDT	<sup>25</sup> Perforations	<sup>26</sup> DHC, MC
04/14/2018	08/28/2018	18,723'	18,698'	9,503'-18,673'	
<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement		
17-1/2"	13-3/8"	1050'	875 sx - TOC		
12-1/4"	9-5/8"	4871'	1725 sx - TOC		
8-3/4"	5-1/2"	18,723'	3510 sx - TOC		
Tubing	3-1/2"	8684'			

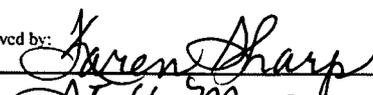
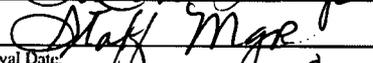
**V. Well Test Data**

<sup>31</sup> Date New Oil	<sup>32</sup> Gas Delivery Date	<sup>33</sup> Test Date	<sup>34</sup> Test Length	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure
08/28/2018	08/28/2018	09/15/2018	24	460	0
<sup>37</sup> Choke Size	<sup>38</sup> Oil	<sup>39</sup> Water	<sup>40</sup> Gas	<sup>41</sup> Test Method	
60	521	3865	954	P	

<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:   
Printed name:  
Fatima Vasquez  
Title:  
Regulatory Analyst  
E-mail Address:  
fvasquez@cimarex.com  
Date:  
10/08/2018  
Phone:  
(432) 620-1933

OIL CONSERVATION DIVISION

Approved by:   
Title:   
Approval Date: 10-18-18

Documents pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**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.  
NMNM05792

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
NMNM71019X

8. Well Name and No.  
RED HILLS UNIT 16H

9. API Well No.  
30-025-42324

10. Field and Pool or Exploratory Area  
WC-025 G-06 S253329D;U BS

11. County or Parish, State  
LEA COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator Contact: **FATIMA VASQUEZ**  
**CIMAREX ENERGY CO OF COLORADO** Mail: fvasquez@cimarex.com

3a. Address **600 N MARIENFELD ST SUITE 600  
MIDLAND, TX 79701** 3b. Phone No. (include area code)  
Ph: 432-620-1933

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Sec 33 T25S R33E NWNW 506FNL 584FWL  
32.092914 N Lat, 103.583892 W Lon**

**12. CHECK THE 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"/> Hydraulic Fracturing	<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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Production Start-up
	<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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

06/26/2018 Test csg to 2,250 psi for 30 minutes. OK. SWI.  
07/19/2018 to  
08/04/2018 Perf Bone Spring @ 9,503'-18,673', 1100 holes, .41" Frac w/ 436,880 bbls total fluid & 21,683,876# sand.  
08/14/2018 DO plugs.  
08/22/2018 Continue DO plugs & CO to PBD @ 18,698'.  
08/23/2018 Flowback well. SI.  
08/27/2018 RIH w/ 3-1/2" 9.3# P-110 RTS8 prod tbg & pkr set @ 8684'.  
08/28/2018 Turn well to production.

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14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #438608 verified by the BLM Well Information System  
For CIMAREX ENERGY CO OF COLORADO, sent to the Hobbs**

Name (Printed/Typed) **FATIMA VASQUEZ**

Title **REGULATORY ANALYST**

Signature (Electronic Submission)

Date **10/08/2018**

**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 \_\_\_\_\_

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 States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Documents pending BLM approvals will subsequently be reviewed and scanned

(Instructions on page 2)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM05792

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

2. Name of Operator **CIMAREX ENERGY CO OF COLORADO** Contact: **FATIMA VASQUEZ**  
 Email: **fvasquez@cimarex.com**

3. Address **600 N MARIENFELD ST SUITE 600 MIDLAND, TX 79701** 3a. Phone No. (include area code)  
 Ph: **432-620-1933**

4. Location of Well (Report location clearly and in accordance with Federal requirements)  
**Sec 33 T25S R33E Mer**  
 At surface **NWNW 506FNL 584FWL 32.092914 N Lat, 103.583892 W Lon**  
 At top prod interval reported below  
**Sec 4 T26S R33E Mer**  
 At total depth **SWSW 344FSL 382FWL**

10. Field and Pool, or Exploratory  
**WC-025 G-06 S253329D;U BS**

11. Sec., T., R., M., or Block and Survey  
 or Area **Sec 33 T25S R33E Mer**

12. County or Parish **LEA** 13. State **NM**

14. Date Spudded **04/14/2018** 15. Date T.D. Reached **05/09/2018** 16. Date Completed  
 D & A  Ready to Prod.  
**08/28/2018**

17. Elevations (DF, KB, RT, GL)\*  
**3372 GL**

**HOBBS OGD**  
**OCT 17 2018**

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18. Total Depth: MD **18723** TVD **9251** 19. Plug Back T.D.: MD **18698** TVD **18698** 20. Depth Bridge Plug Set: MD **18698** TVD **18698**

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 J-55	48.0	0	1050		875		0	
8.750	5.500 P-110	20.0	20	18723		3510		0	
12.250	9.625 J-55	40.0	31	4871		1725		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
3.500	8684	8684						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9000		9503 TO 18673		1100	PRODUCING
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
9503 TO 18673	436,880 BBLs FLUID & 21,683,876# SAND

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

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
08/28/2018	09/15/2018	24	→	521.0	954.0	3865.0	49.0		FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
60	460	0.0	→	521	954	3865	1831	POW	

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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

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**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.)  
**FLARED**

**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
BONE SPRING	9000			RUSTLER TOP OF SALT	950 1270

**32. Additional remarks (include plugging procedure):**

**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 #438694 Verified by the BLM Well Information System.  
For CIMAREX ENERGY CO OF COLORADO, sent to the Hobbs**

Name (please print) FATIMA VASQUEZ Title REGULATORY ANALYST

Signature \_\_\_\_\_ (Electronic Submission) Date 10/08/2018

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.

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