

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

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

HOBBS OCD

MAY 12 2015

RECEIVED

Form C-104  
Revised August 1, 2011

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 NW 3/18/15
<sup>4</sup> API Number 30 -025-40455	<sup>5</sup> Pool Name Wolfcamp	<sup>6</sup> Pool Code 98065
<sup>7</sup> Property Code 39990	<sup>8</sup> Property Name Hallertau 5 Federal	<sup>9</sup> Well Number 3H

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

UL or lot no. N	Section 5	Township 26S	Range 32E	Lot Idn	Feet from the 330	North/South Line North	Feet from the 1980	East/West line West	County Lea
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<sup>11</sup> Bottom Hole Location

UL or lot no. C	Section 5	Township 26S	Range 32E	Lot Idn	Feet from the 330	North/South line South	Feet from the 2245	East/West line West	County Lea
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 3/24/15	<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	

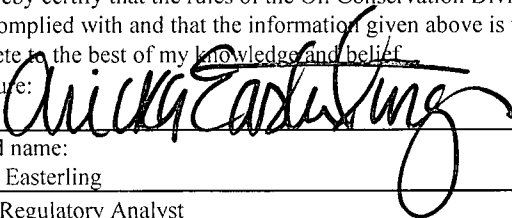
IV. Well Completion Data

<sup>21</sup> Spud Date 1/8/15	<sup>22</sup> Ready Date 3/18/15	<sup>23</sup> TD 16552	<sup>24</sup> PBDT 16510	<sup>25</sup> Perforations 11800-16500	<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 1/2	13 3/8	1129	1050		
12 1/4	9 5/8	4402	1400		
8 3/4	7.0	12248	882		
6	4.5	16552	430		
	2 3/8	11443	TOC 0		

V. Well Test Data

<sup>31</sup> Date New Oil 3/18/15	<sup>32</sup> Gas Delivery Date 3/24/15	<sup>33</sup> Test Date 3/28/15	<sup>34</sup> Test Length 24 hrs	<sup>35</sup> Tbg. Pressure 3700	<sup>36</sup> Csg. Pressure 300
<sup>37</sup> Choke Size 22	<sup>38</sup> Oil 826	<sup>39</sup> Water 2003	<sup>40</sup> Gas 2381		<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:   
Printed name: Aricka Easterling  
Title: Regulatory Analyst

E-mail Address: aeasterling@cimarex.com

Date: 4/20/15  
Phone: 918-560-7060

Approved by:

Title: Petroleum Engineer

Approval Date: 05/27/15

recomp \_\_\_\_\_ Add NEW WELL \_\_\_\_\_  
Cancel Well \_\_\_\_\_ Create Pool \_\_\_\_\_  
E-PERMITTING - - New Well \_\_\_\_\_  
Comp AM P&A \_\_\_\_\_ TA \_\_\_\_\_  
CSNG PM Loc Chng \_\_\_\_\_  
DeComp \_\_\_\_\_ Add New Well \_\_\_\_\_

MAY 28 2015

## HOBBS OCD

Form 3160-5  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MAY 27 2015

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELL RECEIVED**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.****SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. HALLERTAU 5 FEDERAL 3H
2. Name of Operator CIMAREX ENERGY COMPANY		9. API Well No. 30-025-40455
3a. Address 202 S. CHEYENNE AVE STE 1000 TULSA, OK 74103		10. Field and Pool, or Exploratory JENNINGS
3b. Phone No. (include area code) Ph: 918-560-7038		11. County or Parish, and State LEA COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T26S R32E SESW 330FSL 1980FWL		

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Drilling Operations
	<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 recompleat 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 recompleat 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.)

01-08-15 Spud well.

01-09-15 TD 17-1/2 hole @ 1129. RIH w/ 13-3/8, 48#, J55 STC csg &amp; set @ 1129.

01-10-15 Mix and pump lead: 820 sx Class C; 13.5 ppg, 1.75 yld. Tail w/ 200 sx Class C; 14.8 ppg, 1.347 yld. Circ 449 sx to surface. WOC 8 hrs.

01-11-15 Test csg to 1500 psi for 30 mins. OK.

01-13-15 TD 12-1/4 hole @ 4402.

01-14-15 RIH w/ 9-5/8, 40#, J55, LTC csg &amp; set @ 4402. Mix &amp; pump Lead: 1235 sx Class C, 12.9 ppg, 1.82 yld; tail w/ 275 sx Class C, 14.8 ppg, 1.34 yld. Circ 380 sxs to surface. WOC 12 hrs.

01-15-15 Test csg to 1500 psi for 30 mins. OK.

01-22-15 TD 8-3/4 pilot hole @ 12450. Run logs.

01-27-15 RIH w/ open hole whipstock and set @ 11523-11513.

01-28-15 Plugback pilot hole: Mix &amp; pump 107.5 bbls, 15.6 ppg, 1.19 yld. TOOH. PU BHA.

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

**Electronic Submission #297244 verified by the BLM Well Information System  
For CIMAREX ENERGY COMPANY, sent to the Hobbs**


Name (Printed/Typed) CRISTEN BURDELL

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 04/03/2015

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
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 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.

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

MAY 28 2015

## Additional data for EC transaction #297244 that would not fit on the form

### 32. Additional remarks, continued

01-29-15 RIH & tag cmt @ 10985. DO cmt 10985-11508.

01-31-15 TD 8-3/4 hole @ 12248.

02-01-15 RIH w/ 7?, 32#, P110, LTC BTC csg & set @ 12248.

02-02-15 Mix & pump 710 Sx Class H, 10.8 ppg, 2.785 yld; tail w/ 172 sx Class H, 14.5 ppg, 1.239 yld. No cmt to surface. WOC 8 hrs. TOC @ 4000?.

02-03-15 Test csg to 3000 psi for 30 mins. OK. PU BHA.

02-16-15 TD 6? hole @ 16552.

02-18-15 RIH w/ 4-1/2 liner and set @ 11393-16552. Mix & pump 430 sx Class H cmt, 14.5 ppg.

Circ 20 bbls back to surf. TOC @ 11393 ? TOL. WOC. Test liner to 2000 psi. OK.

02-20-15 Release rig.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM0392082A
2. Name of Operator CIMAREX ENERGY COMPANY		6. If Indian, Allottee or Tribe Name
Contact: ARICKA EASTERLING E-Mail: aeasterling@cimarex.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 202 S CHEYENNE AVE, SUITE 1000 TULSA, OK 74103	3b. Phone No. (include area code) Ph: 918-560-7060	8. Well Name and No. HALLERTAU 5 FEDERAL 3H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T26S R32E SESW 330FSL 1980FWL		9. API Well No. 30-025-40455
		10. Field and Pool, or Exploratory JENNINGS
		11. County or Parish, and State LEA 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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<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.)

## Completion:

3/1/15 - Test casing to 9000 psi for 30 min. Good Test.  
3/5/15 to 3/10/15 - Perf wolfcamp @ 11800-16500, 571 holes. Frac w/ 7,479,301 gal total fluid & 6,522,039 # sand.  
3/11/15 to 3/12/15 - mill out plugs. wash to PBTD @ 16510  
3/13/15 - flow well  
3/16/15 - RIH w/ 2 3/8" tubing & packer, set @ 11443. GLV's @ 1749, 2532, 3284, 4041, 4797, 5553, 6311, 7066, 7823, 8580, 9331, 10079, 10766, 11425.  
3/18/15 - Turn well to production.

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

Electronic Submission #298455 verified by the BLM Well Information System  
For CIMAREX ENERGY COMPANY, sent to the Hobbs

Name (Printed/Typed) ARICKA EASTERLING

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 04/16/2015

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

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 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.

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

MAY 28 2015

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NMNM0392082A		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator CIMAREX ENERGY COMPANY			Contact: ARICKA EASTERLING E-Mail: aeasterling@cimarex.com		
3. Address 202 S CHEYENNE AVE, SUITE 1000 TULSA, OK 74103			3a. Phone No. (include area code) Ph: 918-560-7060		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESW 330FSL 1980FWL At top prod interval reported below SESW 330FSL 1980FWL At total depth NENW 330FNL 2245FWL			8. Lease Name and Well No. HALLERTAU 5 FEDERAL 3H		
14. Date Spudded 01/08/2015			15. Date T.D. Reached 02/16/2015		
16. Date Completed 03/18/2015			9. API Well No. 30-025-40455		
18. Total Depth: MD 16552 TVD 12044			19. Plug Back T.D.: MD 16510 TVD		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory JENNINGS		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DSN			11. Sec., T., R., M., or Block and Survey or Area Sec 5 T26S R32E Mer		
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)			12. County or Parish LEA		
			13. State NM		
			17. Elevations (DF, KB, RT, GL)* 3272 GL		

## 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	48.0		1129		1020			449
12.250	9.625 J55	40.0		4402		1510			380
8.750	7.000 P110	32.0		12248		882		4000	0
6.000	4.500 P110	13.5	11393	16552		430		0	20

## 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	11443	11443						

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	11800	16500	11800 TO 16500	0.460	571	OPEN
B)						
C)						
D)						

## 26. Perforation Record

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

Depth Interval	Amount and Type of Material
11800 TO 16500	FRAC WITH 7,479,301 GAL FRAC FLUID & 6,522,039 # SAND.

## 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
03/18/2015	03/28/2015	24	→	826.0	2381.0	2003.0	47.0		GAS LIFT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
22	3700	300.0	→	826	2381	2003	2883	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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #301269 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

MAY 28 2015

## 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.)  
CAPTURED

## 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
BELL CANYON	4475	5438	WATER	RUSTLER	9900
CHERRY CANYON	5438	6980	WATER	TOP SALT	1200
BONE SPRING	8475	11600	WATER, OIL, GAS	BASE OF SALT	4200
				DELAWARE	4475
				BONE SPRING	8475
				WOLFCAMP	11600
				LOWER WOLFCAMP	12850
				CISCO SHALE	13175

32. Additional remarks (include plugging procedure):  
Logs sent to Carlsbad field office.

## 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 #301269 Verified by the BLM Well Information System.  
For CIMAREX ENERGY COMPANY, sent to the Hobbs**

Name (please print) ARICKA EASTERLINGTitle REGULATORY ANALYST

Signature \_\_\_\_\_ (Electronic Submission)

Date 05/11/2015

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 \*\***