

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 DISTRICT

Form C-104  
Revised August 1, 2011

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

JAN 22 2015

Submit one copy to appropriate District Office

RECEIVED

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address Cimarex Energy Co. 600 N. Marienfeld St., Ste. 600 Midland, TX 79701		<sup>2</sup> OGRID Number 215099
		<sup>3</sup> Reason for Filing Code/ Effective Date NW 11/10/14
<sup>4</sup> API Number 30-015-42165	<sup>5</sup> Pool Name Hay Hallow Bone Spring	<sup>6</sup> Pool Code 30215 2-27-14
<sup>7</sup> Property Code 40444	<sup>8</sup> Property Name Hornsby 35 Federal Com	<sup>9</sup> Well Number 2H

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
4	35	26S	27E		210	South	1270	West	Eddy

<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
D	26	26S	27E		330	North	750	West	Eddy
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 11/10/14	<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	
	NSL-7088 NSP-1986	

IV. Well Completion Data

<sup>21</sup> Spud Date 08-16-14	<sup>22</sup> Ready Date 11-10-14	<sup>23</sup> TD 14525/7699	<sup>24</sup> PBTB 14522	<sup>25</sup> Perforations 7726-14495	<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	420	450		
12 1/4	9 5/8	2205	777		
8 1/2	5 1/2	14525	2770 TOC 2796'		
	2 7/8	6808'			

V. Well Test Data

<sup>31</sup> Date New Oil 11-10-14	<sup>32</sup> Gas Delivery Date 11-10-14	<sup>33</sup> Test Date 11-14-14	<sup>34</sup> Test Length 24 hrs	<sup>35</sup> Tbg. Pressure 550	<sup>36</sup> Csg. Pressure 1300
<sup>37</sup> Choke Size 32/64	<sup>38</sup> Oil 334	<sup>39</sup> Water 1301	<sup>40</sup> Gas 604	<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: *Cristen Burdell*

Printed name:  
Cristen Burdell

Title: Regulatory

E-mail Address: cburdell@cimarex.com

Date:  
1-16-15

Phone:  
918-560-7038

OIL CONSERVATION DIVISION	
Approved by:	<i>[Signature]</i>
Title:	<i>David J. Sipes</i>
Approval Date:	4-8-15

Pending BLM approvals will subsequently be reviewed and scanned

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

Form 3160-5  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JAN 22 2015

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

**SUNDRY NOTICES AND REPORTS ON WELLS 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		5. Lease Serial No. NMNM120350
2. Name of Operator CIMAREX ENERGY COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address 202 S. CHEYENNE AVE STE 1000 TULSA, OK 74103		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 918-560-7038		8. Well Name and No. HORNSBY 35 FEDERAL COM 2H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 35 T26S R27E 210FSL 1270FWL		9. API Well No. 30-015-42165
		10. Field and Pool, or Exploratory WILDCAT
		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 type="checkbox"/> Recomplete	<input checked="" 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.)

**DRILLING:**

8-16-14 spud well @ 1:30 am

8-17-14 TD 17 1/2" surface hole @ 420'. RIH w/ 13 3/8", 48#, J55, STC casing & set 420'. Mix & pump lead: 185 sxs of class C cmt, 13.5 ppg, 1.69 yld; tail w/ 265 sxs class C, 14.8 ppg, 1.34 yld. 59 bbls Circ to surface. WOC 12+ hrs.

8-18-14 Test casing to 1500 # for 30 min. ok.

8-20-14 TD 12 1/4" hole at 2205'. RIH 9 5/8" 36# J-55 LT&C casing and set @ 2205'. Mix & pump lead: 582 sxs of POZ C cmt, 12.9 ppg, 1.89 yield. Tail cmt: 195 sxs of Class C cmt, @ 14.8 ppg, 1.34 yld. Circ 89 bbls to surface. WOC 12+ hrs.

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #284869 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Carlsbad</b>	
Name (Printed/Typed) CRISTEN BURDELL	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 12/11/2014

**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.	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdic	Office _____

*PD*  
**Pending BLM approvals will subsequently be reviewed and scanned**

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

**Additional data for EC transaction #284869 that would not fit on the form**

**32. Additional remarks, continued**

8-21-14 Test casing to 1500 psi for 30 min, ok. Drill 8 3/4" hole.

8-31-14 POOH w/ 8 3/4" assembly LD. TD 10738'. Drilling 8 1/2" hole.

9-4-14 TD 8 1/2" hole @ 14525'. LDDP.

9-7-14 RIH w/ 5 1/2", 17#, L-80, BTC/LTC csg & set @ 14525'.

9-8-14 Mix & pump lead cmt: 910 sxs of POZ H cmt, 11.9 ppg, 2.49 yld. Tail cmt: 1860 sxs of POZ H H, 14.5 ppg, 2.49 yld. No cmt to surface. TOC @ 2796'. Install annulus monitor on 9 5-8" csg. Report abnormal pressures to BLM/OCD. Bradenhead unsuccessful. Could not establish injection rate. Chart submitted to BLM. Rig Released at 9:30 pm.

**COMPLETION:**

10-13-14 Test csg to 8500 # for 30 min. Ok. Tag PBTD @ 14522'.

10-18 - 11-1-14 Perf Bone Spring @ 7726-14495'. 1056 Holes. Frac w/ 4,592,553 gals fluid; 7,381,603 # sand.

11-2 - 11-3-14 Mill out plugs.

11-5-14 Flow back well.

11-7-14 SIW.

11-8-14 RIH w/ 2 3/8" tbg, pkr & GLV & set @ 6808'. GLV @ 1775, 3199, 4307, 5166, 5776, 6320, 6768'. Flow back well.

11-21-14 Flow back to sales.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

JAN 22 2015

Form 3160-4  
(August 2007)

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**

**RECEIVED**

5. Lease Serial No.  
NMNM120350

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
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 _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator CIMAREX ENERGY COMPANY      Contact: CRISTEN BURDELL E-Mail: cburdell@cimarex.com		8. Lease Name and Well No. HORNSBY 35 FEDERAL COM 2H	
3. Address 202 S. CHEYENNE AVE STE 1000 TULSA, OK 74103		9. API Well No. 30-015-42165	
3a. Phone No. (include area code) Ph: 918-560-7038		10. Field and Pool, or Exploratory WILDCAT BONESPRING	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface      Sec 35 T26S R27E Mer Lot 4 210FSL 1270FWL At top prod interval reported below      Sec 35 T26S R27E Mer Lot 4 210FSL 1270FWL At total depth      Sec 26 T26S R27E Mer Lot D 330FNL 750FWL		11. Sec., T., R., M., or Block and Survey or Area      Sec 35 T26S R27E Mer.	
12. County or Parish EDDY		13. State NM	
14. Date Spudded 08/16/2014		15. Date T.D. Reached 09/04/2014	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 11/10/2014		17. Elevations (DF, KB, RT, GL.)* 3275 GL	
18. Total Depth:      MD      14525 TVD      7699		19. Plug Back T.D.:      MD      14522 TVD	
20. Depth Bridge Plug Set:      MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE		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)	

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
7.500	13.375 J55	48.0	0	420		450		0	59
12.250	9.625 J55	36.0	0	2205		777		0	89
8.500	5.500 L80	17.0	0	14525		2770		2796	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)
2.375	6808	6808						

25. Producing Intervals			26. Perforation Record				
Formation	Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status
A) BONE SPRING	7726	14495	7726 TO 14495		0.540	1056	OPEN
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
7726 TO 14495	4592553 GALS FLUID, 7381603 # 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
11/10/2014	11/14/2014	24	→	334.0	604.0	1301.0	49.3		GAS LIFT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
32/64	550	1300.0	→	334	604	1301		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 Gra	Well
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well	
			→						

*RD*  
**Pending BLM approvals will  
subsequently be reviewed  
and scanned**

(See Instructions and spaces for additional data on reverse side)  
ELECTRONIC SUBMISSION #288571 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

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	2330	3280	WATER	SALADO	1150
CHERRY CANYON	3380	4240	WATER	CASTILE	2102
BRUSHY CANYON	4970	5100	WATER	BELL CANYON	2280
BONE SPRING	7370	7800	WATER AND OIL	CHERRY CANYON	3280
				BRUSHY CANYON	4455
				BONE SPRING	5925

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 #288571 Verified by the BLM Well Information System.  
For CIMAREX ENERGY COMPANY, sent to the Carlsbad**

Name (please print) CRISTEN BURDELL Title REGULATORY ANALYST

Signature (Electronic Submission) Date 01/20/2015

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 \*\*