

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

NM OIL CONSERVATION

ARTESIA DISTRICT

MAY 01 2015

Submit one copy to appropriate District Office

RECEIVED

☐ AMENDED REPORT

Form C-104  
Revised August 1, 2011

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

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address Cimarex Energy Co. of Colorado 600 N. Marienfeld Street, Suite 600 Midland, TX 79701		<sup>2</sup> OGRID Number 162683
		<sup>3</sup> Reason for Filing Code/ Effective Date PB - 10/30/2013
<sup>4</sup> API Number 30-015-35110	<sup>5</sup> Pool Name Sage Draw; Atoka (Gas)	<sup>6</sup> Pool Code 91334
<sup>7</sup> Property Code 36005	<sup>8</sup> Property Name Oracle 21 Federal	<sup>9</sup> Well Number 1

II. Surface Location

UL or lot no. D	Section 21	Township 25S	Range 26E	Lot Idn	Feet from the 660	North/South Line North	Feet from the 660	East/West line West	County Eddy
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	----------------------	------------------------	----------------

Bottom Hole Location

UL or lot no. D	Section 21	Township 25S	Range 26E	Lot Idn	Feet from the 660	North/South line North	Feet from the 660	East/West line West	County Eddy
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	----------------------	------------------------	----------------

<sup>12</sup> Lse Code	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 10/30/2014	<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 Midstream 370 17th St., Ste 2500 Denver CO	

IV. Well Completion Data

<sup>21</sup> Spud Date 12/26/2006	<sup>22</sup> Ready Date 10/30/2014	<sup>23</sup> TD 12350	<sup>24</sup> PBTD 11055	<sup>25</sup> Perforations 10642-10648	<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"	267	340		
12 1/4"	9 5/8"	2693	975		
8 3/4"	4 1/2"	12340	2360		
	2 3/8"	10598			

V. Well Test Data

<sup>31</sup> Date New Oil	<sup>32</sup> Gas Delivery Date 10/30/2014	<sup>33</sup> Test Date 11/04/2014	<sup>34</sup> Test Length 24 hours	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure 2000
<sup>37</sup> Choke Size 64/64	<sup>38</sup> Oil 0	<sup>39</sup> Water 0	<sup>40</sup> Gas 11.1		<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 Analyst

E-mail Address:  
pbrunson@cimarex.com

Date:  
4/17/2015

Phone:  
432-571-7848

OIL CONSERVATION DIVISION

Approved by: [Signature]

Title: Dist 11 Supervisor

Approval Date: 5/4/15

Pending BLM approvals will  
subsequently be reviewed  
and scanned

Post Mon.

## NM OIL CONSERVATION

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ARTESIA DISTRICT

MAY 01 2015

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.*

RECEIVED

**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. NNNM94839
2. Name of Operator CIMAREX ENERGY COMPANY		6. If Indian, Allottee or Tribe Name
Contact: PAULA BRUNSON E-Mail: pbrunson@cimarex.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 600 N MARIENFELD STE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-571-7848	8. Well Name and No. ORACLE 21 FEDERAL 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 21 T25S R26E NWNW 660FNL 660FWL		9. API Well No. 30-015-35110
		10. Field and Pool, or Exploratory SAGE DRAW; ATOKA (GAS)
		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 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 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 checked="" 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.)

9/8/14. RIH w/ free point tool. Tag inside of tbg @ 11350.

9/9/14. POOH w/ tubing &amp; GLVs.

9/11/14. Screw on to tbg @ 11332. RU W/L for free point. Tag @ 11404 (witnessed by BLM rep).

POH w/ W/L. POOH &amp; L/D tubing.

9/14/14. Con?t POOH w/ tubing.

9/15/14. RIH w/ 3.5 CIBP set @ 11332. Pump 65 bbl of 2% KCL followed with 25 sx Class-H cmt, abandoning Morrow. WOC. Note: tubing stub &amp; pkr left below CIBP approved by BLM.

9/16/14. RIH w/ hydrotesters. Test tubing to 9000 psi. Tag TOC @ 11055. Test csg to 500 psi for 15 min. Test good. Reported to BLM.

9/26/14. Perf Atoka 10642-10648, 36 holes. TCP gun sheared and went to bottom. Left in hole.

9/30/14. Acidize Atoka perms (10642-10648) w/ 2000 gals 15% HCL acid. Flush w/ 80 bbls KCL.

10/3/14. RIH w/ seat nipple and open ended 2-3/8, 4.7#, L80 tbg. Set EOT @ 10598. Swab well.

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

Electronic Submission #298561 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 04/17/2015

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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 \*\*

**Additional data for EC transaction #298561 that would not fit on the form**

**32. Additional remarks, continued**

10/30/14. Turn to Production.

# NM OIL CONSERVATION ARTESIA DISTRICT

MAY 01 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

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input checked="" 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: PAULA BRUNSON E-Mail: pbrunson@cimarex.com			8. Lease Name and Well No. ORACLE 21 FEDERAL 1		
3. Address 600 N MARIENFELD STE 600 MIDLAND, TX 79701			9. API Well No. 30-015-35110		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NWNW 660FNL 660FWL At top prod interval reported below NWNW 660FNL 660FWL At total depth NWNW 660FNL 660FWL			10. Field and Pool, or Exploratory SAGE DRAW; ATOKA (GAS)		
			11. Sec., T., R., M., or Block and Survey or Area Sec 21 T25S R26E Mer		
			12. County or Parish EDDY		13. State NM
14. Date Spudded 12/26/2006		15. Date T.D. Reached 01/21/2007	16. Date Completed <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod. 10/30/2014		17. Elevations (DF, KB, RT, GL)* 3399 GL
18. Total Depth: MD TVD 12350		19. Plug Back T.D.: MD TVD 11055		20. Depth Bridge Plug Set: MD TVD 11330	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)				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 checked="" type="checkbox"/> No <input 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
17.500	13.375 H40	48.0	0	267		340		0	
12.250	9.625 J55	40.0	0	2693		975		0	
8.750	4.500 P110	11.6	0	12340	7967	2360		2342	

### 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	10598							

### 25. Producing Intervals

### 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) ATOKA	10642	10648	10642 TO 10648	0.480	36	OPEN
B)			11485 TO 11870	0.480	414	ISOLATED; CIBP @11330
C)						
D)						

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

Depth Interval	Amount and Type of Material
10642 TO 10648	2000 GALS 15% 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
10/30/2014	11/04/2014	24	→	0.0	11.1	0.0	0.0		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64		2000.0	→	0	11	0	0		

### 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	
			→						

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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

ELECTRONIC SUBMISSION #298661 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	1891	2669	WATER	SALADO	1033
CHERRY CANYON	2864	3640	WATER	CASTILLE	1626
BRUSHY CANYON	4143	5319	WATER AND MINOR OIL	BELL CANYON	1837
BONE SPRING	5769	6203	WATER & GAS	CHERRY CANYON	2790
BONE SPRING	7575	7659	WATER & GAS	BRUSHY CANYON	3781
BONE SPRING	8118	8482	WATER	BONE SPRING	5358
ATOKA	10639	10648	WATER & GAS	WOLFCAMP	8481
MARROW	11483	11869	WATER & GAS	CISCO CANYON	10137

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

## 52. Formation (Log) Markers (con't)

Strawn 10435  
Atoka 10639  
Morro 11202  
Lower Morrow 11984

Attachments:  
C-102

## 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 #298661 Verified by the BLM Well Information System.  
For CIMAREX ENERGY COMPANY, sent to the Carlsbad

Name (please print) PAULA BRUNSONTitle REGULATORY ANALYST

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

Date 04/20/2015

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

**Additional data for transaction #298661 that would not fit on the form**

**32. Additional remarks, continued**

C-104  
Well Bore Diagram