

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

**HOBBS OCD** State of New Mexico  
Energy, Minerals & Natural Resources  
**APR 23 2015**  
**RECEIVED**  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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. 202 S. Cheyenne Ave. Tulsa, OK 74103		<sup>2</sup> OGRID Number 215099
		<sup>3</sup> Reason for Filing Code/ Effective Date NW 3-3-15
<sup>4</sup> API Number 30- 025-41832	<sup>5</sup> Pool Name Sand Dunes; BS South	<sup>6</sup> Pool Code 53805
<sup>7</sup> Property Code 313195	<sup>8</sup> Property Name James 29 Federal	<sup>9</sup> Well Number 36H

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

UL or lot no. C	Section 29	Township 23S	Range 32E	Lot Idn	Feet from the 185	North/South Line NORTH	Feet from the 1450	East/West line WEST	County LEA
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<sup>11</sup> Bottom Hole Location

UL or lot no. N	Section 29	Township 23S	Range 32E	Lot Idn	Feet from the 334	North/South line SOUTH	Feet from the 1364	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 3-4-15	<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 11/10/14	<sup>22</sup> Ready Date 3-3-15	<sup>23</sup> TD 13872'	<sup>24</sup> PBTD 13860'	<sup>25</sup> Perforations 9130-13845	<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	1259	1050		
12-1/4	9-5/8	4750	1430		
8-1/2	5-1/2	13873	2220		
	2-3/8	8810			

V. Well Test Data

<sup>31</sup> Date New Oil 3-4-15	<sup>32</sup> Gas Delivery Date 3-4-15	<sup>33</sup> Test Date 4/8/15	<sup>34</sup> Test Length 24 hrs	<sup>35</sup> Tbg. Pressure 850	<sup>36</sup> Csg. Pressure 450
<sup>37</sup> Choke Size 30/64	<sup>38</sup> Oil 826	<sup>39</sup> Water 484	<sup>40</sup> Gas 1809	<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: *Hopo Knauls*

Printed name: Hopo Knauls

Title: Regulatory Tech

E-mail Address: hknauls@cimarex.com

Date: 4-16-15      Phone: 918-295-1799

OIL CONSERVATION DIVISION

Approved by: *[Signature]*

Title: **Petroleum Engineer**

Approval Date: *05/04/15*

REC'D \_\_\_\_\_ Add New Well \_\_\_\_\_  
Cancel Well \_\_\_\_\_ Create Pool \_\_\_\_\_

E-PERMITTING -- New Well \_\_\_\_\_  
Comp *PM* P&A \_\_\_\_\_ TA \_\_\_\_\_  
CSNG *PM* Loc Chng \_\_\_\_\_  
ReComp \_\_\_\_\_ Add New Well \_\_\_\_\_

**MAY 04 2015**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OCD

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.*

APR 23 2015

5. Lease Serial No.  
NMNM0559539

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.**

RECEIVED

8. Well Name and No.  
JAMES 29 FEDERAL 369. API Well No.  
30-025-4183210. Field and Pool, or Exploratory  
SAND DUNES11. County or Parish, and State  
LEA COUNTY, NM

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
CIMAREX ENERGY COMPANYContact: CRISTEN BURDELL  
E-Mail: cburdell@cimarex.com3a. Address  
202 S. CHEYENNE AVE STE 1000  
TULSA, OK 741033b. Phone No. (include area code)  
Ph: 918-560-7038

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 29 T23S R32E NENW 185FNL 1450FWL

## 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
	<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.)

11-10-14 Spud Well.

11-11-14 TD 17-1/2 hole @ 1259. RIH w/ 13 3/8, 48# J55, STC csg &amp; set @ 1259. Mix and pump 800 sx class C. 13.5 ppg. 1.73 yld; 250 sx class C, 14.8 ppg, 1.34 yld. Circ. 391 sx to surf. WOC 8 hrs.

11-13-14 Test csg to 1500 # for 30 min.

11-16-14 TD 12 1/4 hole at 4750. RIH w/ 9 5/8, 40# J55, LTC csg &amp; set @ 4750.

11-17-14 Mix &amp; Pump lead 1130 sx class C, 12.9 ppg, 1.89 yld; Tail w/ 300 sx Class C, 14.8 ppg, 1.33 yld. Circ 225 sx to surf. WOC 12 hrs.

11-18-14 test csg to 1500# for 30 min.

11-23-14 to

11-26-14 TD 8-3/4? hole @ 9828. Landed curve. TOH w/ curve assembly TIH w/ 8-1/2 lateral assembly.

11-28-14 TD 8-1/2 hole @ 13872

12-1-14 RIH w/ 5-1/2, 20# L80, BTC/LTC csg &amp; set @ 13872. Mix &amp; pump: lead 800 sx class H, 10.8

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

**Electronic Submission #289531 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 01/27/2015

## 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 \*\***

**Additional data for EC transaction #289531 that would not fit on the form**

**32. Additional remarks, continued**

ppg, 2.78 yld. Tail w/ 1420 sx class H, 14.5 ppg, 1.23 yld. Est. TOC 3940.  
12-2-14 release rig

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OGD

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.*

APR 23 2015

5. Lease Serial No.  
NMNM0559539

6. If Indian, Allottee or Tribe Name

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

RECEIVED

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

JAMES 29 FEDERAL 36H

2. Name of Operator

CIMAREX ENERGY COMPANY

Contact: HOPE KNAULS

E-Mail: hknaults@cimarex.com

9. API Well No.

30-025-41832

3a. Address

202 S. CHEYENNE AVE  
TULSA, OK 74103

3b. Phone No. (include area code)

Ph: 918-585-1100

10. Field and Pool, or Exploratory  
SAND DUNES, BS SOUTH

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 29 T23S R32E 185FNL 1450FWL

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 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.)

## Completion Operations:

1-22-15 MIRU set CBP @ 13680', tested to 7700 for 30 min. Test OK., Perf'd Bone Springs  
13695-13845. WO frac.

1-23-15 to

1-27-15 Perf'd Avalon 9130-13845' .54 size holes, 836 holes. Frac w/ 6735856 slickwater; gals  
total fluid 6789569 #sd.

2-01-15 Mill out CFP's to PBTD @ 13860.

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

Electronic Submission #298040 verified by the BLM Well Information System  
For CIMAREX ENERGY COMPANY, sent to the Hobbs

Name (Printed/Typed) HOPE KNAULS

Title REGULATORY TECHNICIAN

Signature (Electronic Submission)

Date 04/13/2015

## 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 \*\*

**Additional data for EC transaction #298040 that would not fit on the form**

**32. Additional remarks, continued**

2-27-15 RIH w/ 2-3/8" tbg & 5 1/2 packer @ 8810'. GLV @ 1934, 3243, 4158,  
4943,5664,6286,6941,7596,8187,8777

3-3-15 Well Turned to Production

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
APR 23 2015

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMNM0559539	
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	
		7. Unit or CA Agreement Name and No.	
2. Name of Operator CIMAREX ENERGY COMPANY		8. Lease Name and Well No. JAMES 29 FEDERAL 36H	
Contact: HOPE KNAULS E-Mail: hknaults@cimarex.com			
3. Address 202 S. CHEYENNE AVE TULSA, OK 74103		9. API Well No. 30-025-41832	
3a. Phone No. (include area code) Ph: 918-585-1100			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 29 T24S R32E Mer At surface 185FNL 1450FWL At top prod interval reported below Sec 29 T24S R32E Mer At total depth 330FSL 1330FEL		10. Field and Pool, or Exploratory SAND DUNES, BS SOUTH	
		11. Sec., T., R., M., or Block and Survey or Area Sec 29 T24S R32E Mer	
		12. County or Parish LEA	
		13. State NM	
14. Date Spudded 11/10/2014		15. Date T.D. Reached 11/28/2014	
		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 03/03/2015	
17. Elevations (DF, KB, RT, GL)*			
18. Total Depth: MD 13873 TVD 9316		19. Plug Back T.D.: MD 9316 TVD 13870	
20. Depth Bridge Plug Set: MD TVD 13680			
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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375	48.0		1259		1050			391
12.250	9.625	40.0		4750		1430			225
8.500	5.500	20.0		13873		2220		3940	

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	8810	8810						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONESPRING	9130	13845	9130 TO 18373	0.540	836	
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
9130 TO 18373	FRAC W/6735856 SLICKWATER; GALS TOTAL FLUID

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
04/08/2015	04/08/2015	24	→	826.0	1809.0	484.0	45.5		GAS LIFT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
30/64	850	450.0	→	826	1809	484	2190	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. SI	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 #298997 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.)  
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
BELL CANYON	4805	5630	WATER		
CHERRY CANYON	5630	6960	WATER		
BONE SPRING	8600	9784	WATER, OIL, AND GAS		

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

Cimarex Energy Co. Would like to keep all completion paperwork and logs confidential.

## 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 #298997 Verified by the BLM Well Information System.  
For CIMAREX ENERGY COMPANY, sent to the Hobbs**

Name (please print) HOPE KNAULSTitle REGULATORY TECHNICIANSignature (Electronic Submission)Date 04/21/2015

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.

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