

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. 600 N. Marienfeld Suite 600 Midland TX 79701		<sup>2</sup> OGRID Number 215099
		<sup>3</sup> Reason for Filing Code/ Effective Date ND / 10/12/2018
<sup>4</sup> API Number 30 - 015-44697	<sup>5</sup> Pool Name Purple Sage Wolfcamp	<sup>6</sup> Pool Code 98220
<sup>7</sup> Property Code 317791	<sup>8</sup> Property Name DaVinci 7-18 Federal Com	<sup>9</sup> Well Number 9H

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
Lot 7	6	25S	27E		410'	South	1050'	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
Lot 4	18	25S	27E		330'	South	376'	West	Eddy
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code	<sup>14</sup> Gas Connection Date 10/12/2018	<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/V
21788	Sunoco Inc. R&M PO Box 2039 Tulsa OK	O
226737	DCP Midstream 370 17th St., Ste 2500 Denver CO.	G
<b>NM OIL CONSERVATION ARTESIA DISTRICT</b>		
JAN 24 2019		

IV. Well Completion Data

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<sup>21</sup> Spud Date 5/2/18	<sup>22</sup> Ready Date 10/12/2018	<sup>23</sup> TD 9744' TVD 19984' MD	<sup>24</sup> PBD 19968'	<sup>25</sup> Perforations 10050'-19945'	<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		
17.5"	13.375"	457'	575 sks- TOC 0' - <i>cuc</i>		
12.25"	9.625"	2015'	825 sks- TOC 0' - <i>cuc</i>		
8.75"	7"	9832'	1050 sks- TOC 0' <i>cuc</i>		
6"	4.5"	8165'-19992'	825 sks- TOC Calc 9632'		

V. Well Test Data

<sup>31</sup> Date New Oil 10/12/2018	<sup>32</sup> Gas Delivery Date 10/12/2018	<sup>33</sup> Test Date 10/18/2018	<sup>34</sup> Test Length 24 hours	<sup>35</sup> Tbg. Pressure 0	<sup>36</sup> Csg. Pressure 3244
<sup>37</sup> Choke Size 34	<sup>38</sup> Oil 809	<sup>39</sup> Water 3897	<sup>40</sup> Gas 9941		<sup>41</sup> Test Method Flowing

<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: *[Signature]*  
Printed name: Amy Crawford  
Title: Regulatory Analyst  
E-mail Address: acrawford@cimarex.com  
Date: 1/21/19  
Phone: 432-620-1909

OIL CONSERVATION DIVISION

Approved by: *[Signature]*  
Title: Business Development  
Approval Date: 1-31-2019

Pending BLM approvals will subsequently be reviewed and scanned

**NM OIL CONSERVATION  
ARTESIA DISTRICT**

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JAN 24 2019

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

**RECEIVED**

5. Lease Serial No.  
NMNM92167

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
DAVINCI 7-18 FEDERAL COM 9H

9. API Well No.  
30-015-44697

10. Field and Pool, or Exploratory  
PURPLE SAGE WOLFCAMP

11. Sec., T., R., M., or Block and Survey  
or Area Sec 6 T25S R27E Mer

12. County or Parish  
EDDY

13. State  
NM

17. Elevations (DF, KB, RT, GL)\*  
3279 GL

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. Contact: AMITHY E CRAWFORD  
E-Mail: acrawford@cimarex.com

3. Address 600 N. MARIENFELD SUITE 600  
MIDLAND, TX 79701 3a. Phone No. (include area code)  
Ph: 432-620-1909

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface Sec 6 T25S R27E Mer  
Lot 7 410FSL 1050FVL  
At top prod interval reported below Sec 7 T25S R27E Mer  
Lot 1 335FNL 373FVL  
At total depth Sec 18 T25S R27E Mer  
Lot 4 330FSL 376FVL

14. Date Spudded  
05/02/2018 15. Date T.D. Reached  
07/01/2018 16. Date Completed  
☐ D & A ☒ Ready to Prod.  
10/12/2018

18. Total Depth: MD 19984  
TVD 9744 19. Plug Back T.D.: MD 19968  
TVD 9744 20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
NONE

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 Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	48.0	0	457		575		0	230
12.250	9.625 J55	36.0	0	2015		825		0	298
8.750	7.000 N80	26.0	0	9832		1050		0	334
6.000	4.500 HCP110	13.5	8165	19992		825		9632	

**24. Tubing Record**

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

**25. Producing Intervals**

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	10050	19945	10050 TO 19945	0.400	1269	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
10050 TO 19945	FRAC WITH 24407890 GAL SLICKWATER AND 22870197 LBS 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
10/12/2018	10/18/2018	24	→	809.0	9941.0	3897.0	45.9		FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
34	SI	3244.0	→	809	9941	3897	12288	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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

Pending BLM approvals will  
subsequently be reviewed  
and scanned *1-31-19*

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

ELECTRONIC SUBMISSION #451618 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
SALADO	1178	1837	BARREN	CASTILLE	1837
CASTILLE	1837	2043	BARREN	BELL CANYON	2043
BELL CANYON	2043	3022	OIL GAS WATER	CHERRY CANYON	3022
CHERRY CANYON	3022	5234	OIL GAS WATER	BRUSHY CANYON	4050
BRUSHY CANYON	5234	5545	OIL GAS WATER	BONE SPRING	5545
BONE SPRING	5545	8623	OIL GAS WATER	WOLFCAMP	8623
WOLFCAMP	8623		OIL GAS WATER		

**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 #451618 Verified by the BLM Well Information System.  
For CIMAREX ENERGY CO., sent to the Carlsbad**

Name (please print) AMITHY E CRAWFORD

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 01/23/2019

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 \*\***



Cimarex Energy Co.

600 N. Marienfeld St. ♦ Suite 600 ♦ Midland, TX 79701 ♦ (432) 620-1938 ♦ Fax (432) 620-1940

A subsidiary of Cimarex Energy Co. • A NYSE Listed Company • "XEC"

NM OIL CONSERVATION  
ARTESIA DISTRICT

JAN 24 2019

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January 24<sup>th</sup> 2019

State of New Mexico  
Oil Conservation Division – District 1  
1625 N. French Drive  
Hobbs, NM 88240

Re: Request for Exception to Rule 107J  
Tubingless Completion  
Davinci 7-18 Federal Com 9H  
Eddy County, NM

Dear Sir:

Cimarex Energy Co. respectfully requests an exception to NMOCD Rule 107J, well tubing requirements. Cimarex request a tubingless completions for our Davinci 7-18 Federal Com 9H well to allow for greater flowback after frac stimulation.

Cimarex plans to install production tubing as soon as flow decreases, which should occur within 6 months.

Thank you for your consideration of this request. Please feel free to contact me if you need additional information.

Sincerely,

*Amithy Crawford*  
Amithy Crawford  
Regulatory Analyst  
432-620-1909

**Provide tubing detail or  
request Tubing Exception**  
*refused 1-12-2019*  
*exceptions approved to 4-12-2019*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS IN OIL CONSERVATION**  
**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.  
NMNM92167

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

JAN 24 2019

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8. Well Name and No.  
DAVINCI 7-18 FEDERAL COM 9H9. API Well No.  
30-015-4469710. Field and Pool or Exploratory Area  
PURPLE SAGE WOLFCAMP11. County or Parish, State  
EDDY COUNTY, NM

## 12. CHECK THE 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"/> 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 recompleate 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.

Davinci 7-18 Fed Com 9H  
Completion Ops

8/26/2018 to 9/21/2018- Perforate Wolfcamp from 10050'- 19,945' with 1269 holes, .40. Frac with 24407890 gal slickwater and 22870197 lbs sand.  
9/24/2018- Drill out plugs and tag PBTD at 19968'.  
10/07/2018- Flowback  
10/12/2018- Turn well to Production.  
Will run tubing on a later date.

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

Electronic Submission #451606 verified by the BLM Well Information System  
For CIMAREX ENERGY CO., sent to the Carlsbad

Name (Printed/Typed) AMITHY E CRAWFORD

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 01/23/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Pending BLM approvals will  
subsequently be reviewed  
and scanned  
up  
1-31-19

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

to any department or agency of the United

(Instructions on page 2)

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