

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 AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Cimarex Energy Co. of Colorado 600 N. Marienfeld St. Suite 600 Midland, TX 7901		² OGRID Number 162683
³ Reason for Filing Code/ Effective Date NW/ 04/03/2018		
⁴ API Number 30-025-42666	⁵ Pool Name WC-025 G-08 S263205N; Upper Wolfcamp	⁶ Pool Code 98065
⁷ Property Code 38778	⁸ Property Name Hallertau 5 Federal	⁹ Well Number 8H

II. ¹⁰ Surface Location

UL or lot no. M	Section 5	Township 26S	Range 32E	Lot Idn	Feet from the 491	North/South Line South	Feet from the 358	East/West line West	County Lea
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¹¹ Bottom Hole Location

UL or lot no. D	Section 5	Township 26S	Range 32E	Lot Idn	Feet from the 331	North/South line North	Feet from the 379	East/West line West	County Lea
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 04/03/2018	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
21778	Sunoco R&M PO Box 2039 Tulsa OK 74102	O
36785	DCP Midstream, LP 370 17th St Suite 2500 Denver CO 80202	G

IV. Well Completion Data

²¹ Spud Date 09/27/2017	²² Ready Date 04/03/2018	²³ TD 16,124' / 11843	²⁴ PBDT 16,109'	²⁵ Perforations 12,124'-16,084'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
14-3/4"	10-3/4"	1220'	970 sx Class C		
9-7/8"	7-5/8"	11,955'	1440 sx Class H, 1460 sx Class C		
6-3/4"	5-1/2" 5"	11,255' 16,124'	600 sx Class H		
Tubing	2-7/8"	11,303'			

V. Well Test Data

³¹ Date New Oil 04/11/2018	³² Gas Delivery Date 04/03/2018	³³ Test Date 04/22/2018	³⁴ Test Length 24	³⁵ Tbg. Pressure 2800	³⁶ Csg. Pressure 2350
³⁷ Choke Size 24	³⁸ Oil 551	³⁹ Water 2611	⁴⁰ Gas 1529		⁴¹ Test Method P

⁴² 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:
Fatima Vasquez

Title:
Regulatory Analyst

E-mail Address:
fvasquez@cimarex.com

Date:
05/18/2018

Phone:
(432) 620-1933

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Pending BLM approvals will
subsequently be reviewed
and scanned

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**
*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 page 2****RECEIVED**
MAY 23 2018
HOBBS OCD

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input 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
3a. Address 202 S. CHEYENNE AVE. TULSA, OK 74103		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 432-620-1933		8. Well Name and No. HALLERTAU 5 FEDERAL 8H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T26S R32E SWSW 491FSL 358FWL 32.066250 N Lat, 103.704675 W Lon		9. API Well No. 30-025-42666
		10. Field and Pool or Exploratory Area WC-025 G-08 S263205N
		11. County or Parish, State LEA COUNTY, NM

12. CHECK THE 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"/> 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 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 must 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 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.

Cimarex would like to report the completion ops as follows:

02/02/2018 RIH w/ WL. Log well. TOC @ 6,300'. SI well.
02/05/2018 Test plug/csg to 12,800 psi for 30 minutes. OK. SWI.
02/05/2018 to
03/17/2018 Perf Wolfcamp @ 12,124'-16,084', 700 holes, .38"-.43". Frac w/ 186,389 gals total fluid & 9,389,862# sand.
03/22/2018 DO plugs & CO to PBTD @ 16,109'.
03/26/2018 Flowback.
03/27/2018 SWI.
03/31/2018 TIH w/ 2-7/8" prod tbg, GLV & Pkr & set @ 11,303'.
04/03/2018 Turn well to production.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #420803 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Hobbs	
Name (Printed/Typed) FATIMA VASQUEZ	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 05/19/2018

THIS SPACE FOR FEDERAL OR STATE OFFICIAL

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 _____

Pending BLM approvals will
subsequently be reviewed
and scanned

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and wilfully 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.

(Instructions on page 2)

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

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

HOBBS OCD
MAY 23 2018
RECEIVED5. Lease Serial No.
NMNM0392082A1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
CIMAREX ENERGY CO OF COLORADO
Contact: FATIMA VASQUEZ
Email: fvasquez@cimarex.com8. Lease Name and Well No.
HALLERTAU 5 FEDERAL 8H3. Address 202 S. CHEYENNE AVE. SUITE 1000
TULSA, OK 741033a. Phone No. (include area code)
Ph: 432.620.19339. API Well No.
30-025-42666

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

Sec 5 T26S R32E Mer
At surface SWSW 491FSL 358FWL 32.066250 N Lat, 103.704675 W Lon10. Field and Pool, or Exploratory
WC-025 G-08 S263205N

At top prod interval reported below

Sec 5 T26S R32E Mer
At total depth NWNW 331FNL 379FWL11. Sec., T., R., M., or Block and Survey
or Area Sec 5 T26S R32E Mer12. County or Parish
LEA13. State
NM14. Date Spudded
09/27/201715. Date T.D. Reached
10/30/201716. Date Completed
☐ D & A ☒ Ready to Prod.
04/03/201817. Elevations (DF, KB, RT, GL)*
3271 GL18. Total Depth: MD 16124
TVD 1184319. Plug Back T.D.: MD 16109
TVD 1184320. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
RBL, CNL22. 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
14.750	10.750 J-55	45.5	0	1220		970		0	0
6.750	5.500 HCP-110	23.0	0	11255		600		6300	0
9.875	7.625 L-80	29.7	0	11955		2900		0	0
6.750	5.000 HCP-110	18.0	11255	16124					

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	11303	11303						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	11695		12124 TO 16084	0.430	700	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
12124 TO 16084	186,389 GALS OF TOTAL FLUID & 9,389.862# 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
04/03/2018	04/22/2018	24	→	551.0	1529.0	2611.0	49.4		GAS LIFT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
24	2800	2350.0	→	551	1529	2611	2775	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
			→				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio
			→				

Future extension requests must
be accompanied by Form C-102

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

ELECTRONIC SUBMISSION #420804 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	4455	5411	OIL, GAS	RUSTLER	1019
CHERRY CANYON	5411	6730	OIL, GAS	SALT	1345
BRUSHY CANYON	6730	8451	OIL, GAS	BELL CANYON	4455
BONE SPRING	8451	11695	OIL, GAS	CHERRY CANYON	5411
WOLFCAMP	11695		OIL, GAS	BRUSHY CANYON	6730
				BONE SPRING	8451
				WOLFCAMP	11695

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 #420804 Verified by the BLM Well Information System.
For CIMAREX ENERGY CO OF COLORADO, sent to the Hobbs

Name (please print) FATIMA VASQUEZTitle REGULATORY ANALYSTSignature (Electronic Submission)Date 05/19/2018

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 ****