

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

¹ Operator name and Address Cimarex Energy Co. 600 N. Marienfeld St. Suite 600 Midland, TX 7901		² OGRID Number 215099
		³ Reason for Filing Code/ Effective Date NW / 04/02/2018
⁴ API Number 30-025-43304	⁵ Pool Name WC-025 G-08 S26355N; Upper Wolfcamp	⁶ Pool Code 98065
⁷ Property Code 316338	⁸ Property Name Hallertau 5 Federal	⁹ Well Number 10H

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II. ¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
N	05	26S	32E		318	South	1782	West	Lea

¹¹Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	05	26S	32E		505	North	1711	West	Lea

¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 04/02/2018	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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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 10/16/2017	²² Ready Date 04/02/2018	²³ TD 16,394' / 11903	²⁴ PBDT 16,379'	²⁵ Perforations 12,312'-16,354'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
14-3/4"	10-3/4"	1209'	1000 sx Class C		
9-7/8"	7-5/8"	12,045'	1030 sx Class H, 1220 sx Class C		
6-3/4"	5-1/2" 5"	14,030' 16,394'	650 sx Class H		
Tubing	2-7/8"	11,340'			

V. Well Test Data

³¹ Date New Oil 04/05/2018	³² Gas Delivery Date 04/02/2018	³³ Test Date 04/06/2018	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 3000	³⁶ Csg. Pressure 2200
³⁷ Choke Size 21	³⁸ Oil 349	³⁹ Water 1821	⁴⁰ Gas 914		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:
04/26/2018

Phone:
(432) 620-1933

OIL CONSERVATION DIVISION	
Approved by:	
Title:	Staff Mgr
Approval Date:	6-7-18
Future extension requests must be accompanied by Form C-102	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

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SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. HALLERTAU 5 FEDERAL 10H
2. Name of Operator CIMAREX ENERGY COMPANY OF CO Contact: FATIMA VASQUEZ E-Mail: fvasquez@cimarex.com		9. API Well No. 30-025-43304-00-X1
3a. Address 202 S CHEYENNE AVE. SUITE 1000 TULSA, OK 74103	3b. Phone No. (include area code) Ph: 432-620-1933	10. Field and Pool or Exploratory Area WC025G08S263205N-UP WOLFCAMP
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T26S R32E SESW 318FSL 1782FWL		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 Production Start-up
	<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 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.

Cimarex would like to report the completion ops as follows:

- 02/03/2018 RIH w/ WL. Log well. TOC @ 7,400'. SI well.
- 02/08/2018 Test plug/csg to 12,800 psi for 30 minutes. OK. SWI.
- 02/25/2018 to
- 03/08/2018 Perf Wolfcamp @ 12,312'-16,354', 700 holes, .38". Frac w/ 190,496 gals total fluid & 9,791,442# sand.
- 03/19/2018 DO plugs.
- 03/20/2018 Continue DO plugs & CO to PBTD @ 16,379'.
- 03/22/2018 Flowback.
- 03/24/2018 SWI.
- 03/28/2018 TIH w/ 2-7/8" prod tbg, GLV & Pkr & set @ 11,340'.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #419358 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 05/10/2018 (18PP1024SE)	
Name (Printed/Typed) FATIMA VASQUEZ	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 05/08/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JONATHON SHEPARD Title PETROELUM ENGINEER	Date 05/10/2018
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 Hobbs

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #419358 that would not fit on the form

32. Additional remarks, continued

03/29/2018 SI well.

04/02/2018 Turn well to production.

WELL COMPLETION OR RECOMPLETION REPORT AND

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5. Lease Serial No. NMNM0392082A

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. HALLERTAU 5 FEDERAL 10H

9. API Well No. 30-025-43304

10. Field and Pool, or Exploratory WC-025 G-08 S263205N

11. Sec., T., R., M., or Block and Survey or Area Sec 5 T26S R32E Mer

12. County or Parish LEA 13. State NM

17. Elevations (DF, KB, RT, GL)* 3273 GL

14. Date Spudded 10/16/2017 15. Date T.D. Reached 12/15/2017 16. Date Completed D & A Ready to Prod. 04/02/2018

18. Total Depth: MD 16394 TVD 11903 19. Plug Back T.D.: MD 16379 TVD 11903 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) RBL, CNL 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 Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
14.750	10.750 J-55	45.5	0	1209		1000		0	0
6.750	5.500 HCP-110	23.0	0	11359		650		7400	0
9.875	7.625 L-80	29.7	0	12045		2250		0	0
6.750	5.000 HCP-110	18.0	11359	16394					

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	11340	11340						

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	11695		12312 TO 16354	0.380	700	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
12312 TO 16354	190,496 GALS OF TOTAL FLUID & 9,791,442# 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
04/05/2018	04/06/2018	24	→	349.0	914.0	1821.0	54.1		GAS LIFT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
21	3000	2200.0	→	349	914	1821	2619	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
			→					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

Future extension requests must be accompanied by Form C-102

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 #419551 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY, sent to the Hobbs**

Name (please print) FATIMA VASQUEZ Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 05/10/2018

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