

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. of Colorado 202 S. Cheyenne Ave, Ste 1000 Tulsa, OK 74103		² OGRID Number 162683
		³ Reason for Filing Code/ Effective Date NW-3-22-18
⁴ API Number 30 - 025-43911	WC-025- G-08 S203205N Upper WC	⁶ Pool Code 98065
⁷ Property Code 38778	⁸ Property Name Hallertau 5 Federal	⁹ Well Number 7H

**HOBBS OCD
MAY 09 2018
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II. Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	North/South Line	Feet from the	East/West line	County
N	5	26S	32E	318	South	1802	West	Lea

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
C	5	26S	32E		331	North	2152	West	Lea

¹² Lse Code F	¹³ Producing Method Code GL	¹⁴ Gas Connection Date 4/5/18	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 Inc. R&M P. O. Box 2039 Tulsa, OK	O
36785	DCP Midstream 370 17 th Street, STE 2500 Denver, CO	G

IV. Well Completion Data

²¹ Spud Date 11/04/17	²² Ready Date 3/22/18	²³ TD 13663/9183'	²⁴ PBTB 16517/11885'	²⁵ Perforations 12215/16532'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement	
14.75		10.075	1089	1000/TOC-0'	
9.875		7.625	11858	2030/TOC-0'	
6.75		5.5	11196	0/TOC-0'	
6.75		5.0	16532	650/TOC-8900'	
		2.375	11183		

11867-11885

V. Well Test Data:

³¹ Date New Oil 4/2/18	³² Gas Delivery Date 4/5/18	³³ Test Date 4/19/18	³⁴ Test Length 24	³⁵ Tbg. Pressure 2200	³⁶ Csg. Pressure 1650
³⁷ Choke Size 64	³⁸ Oil 315	³⁹ Water 2424	⁴⁰ Gas 857		⁴¹ Test Method

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: *Patricia Holland*
Printed name: Patricia Holland
Title: Regulatory Analyst
E-mail Address: pholland@cimarex.com
Date: 4/27/18
Phone: 918-560-7081

OIL CONSERVATION DIVISION
Approved by: *Karen Sharp*
Title: *Staff Mgr*
Approval Date: *5-11-18*

Pending BLM approvals will subsequently be reviewed and scanned

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.

5. Lease Serial No.
NMNM0392082A

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 **MAY 09 2018**

HOBBS OCD

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1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. HALLERTAU 5 FEDERAL 7H
2. Name of Operator CIMAREX ENERGY COMPANY Contact: TERRI STATHEM E-Mail: tstathem@cimarex.com		9. API Well No. 30-025-43911
3a. Address 202 S. CHEYENNE AVE, STE 1000 TULSA, OK 74013	3b. Phone No. (include area code) Ph: 432-620-1936	10. Field and Pool or Exploratory Area WC BONE SPRING
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T26S R32E SESW 318FSL 1802FWL		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 Drilling Operations
	<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.

- 11-04-2017 Spud well.
- 11-05-2017 TD 14-3/4" hole @ 1089'. RIH w/ 10-3/4", 45.5#, J-55 BTC csg & set @ 1089'. Mix & pump Lead: 650 sx, 13.5 ppg, 1.73 yld Class C; tail w /350 sx, 14.8 ppg, 1.33 yld Class C. Circ 396 sx to surface. WOC 12 hours.
- 11-06-2017 Test csg to 1500# for 30 mins. OK.
- 11-20-2017 TD 9-7/8" vertical hole @ 11858'.
- 11-21-2017 RIH w/ 7-5/8", 29.7#, L80 LTC csg & set @ 11858'. DV Tool @ 4330'.
- 11-22-2017 Mix & pump Stage 1: Lead: 660 sx, 10.5 ppg, 3.5 yld Class H, tail w/ 250 sx 14.5 ppg, 1.24 yld Class H. Circ 448 sx to surface.
- 11-23-2017 Mix & pump Stage 2: Lead: 1120 sx, 12.9 ppg, 1.88 yld Class C Cmt. Circ 448 sxs to surface. WOC 12 hrs. Test csg to 1500# for 30 mins. Ok.
- 12-02-2017 TD 6-3/4" hole @ 16532".

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #405340 verified by the BLM Well Information System for CIMAREX ENERGY COMPANY, sent to the Hobbs

Name (Printed/Typed) TERRI STATHEM	Title MANAGER REGULATORY COMPLIANCE
Signature (Electronic Submission)	Date 02/21/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

agency of the United

Additional data for EC transaction #405340 that would not fit on the form

32. Additional remarks, continued

12-03-2017 RIH w/ tampered production csg:
5-1/2", 23#, HCP-110 LTC csg 0-11196'
5", 18#, HCP110, BTC csg 11196 - 16532'
12-04-2017 Mix & pump 650 sx, 14.5 ppg, 1.24 yld Class H cmt.
No cmt to surface. TOC @ 8900'.
12-05-2017 Release rig.

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.

HOBBS OCD
MAY 09 2018
RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on page 2

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 OF COLO Contact: PATRICIA HOLLAND Email: pholland@cimarex.com		6. If Indian, Allottee or Tribe Name
3a. Address 202 S CHEYENNE AVD STE 1000 TULSA, OK 74103	3b. Phone No. (include area code) Ph: 918.560.7081	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T26S R32E NENW 331FNL 2152FWL 32.078689 N Lat, 103.698970 W Lon		8. Well Name and No. HALLERTAU 5 FEDERAL 7H
		9. API Well No. 30-025-43911
		10. Field and Pool or Exploratory Area WOLFCAMP
		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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Hydraulic Fracturing
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> New Construction
	<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
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Drilling Operations

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 recomplate 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.

Completion

2-2-18 Test casing to 12859# for 30 minutes. Ending Pressure: 12650#. Test ok

2-2 to
3-8-18 Perf Wolfcamp @ 12,215' to 16,493'; 700 holes; .38. Frac w/9,778,922#'s sand and 7,567,034 gals total fluid

2-3-18 SI pending drill out

3-20- to
3-22-18 Mill out plugs and CO to PBTD #16,517'. Flowback well

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #413691 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF COLO, sent to the Hobbs

Name (Printed/Typed) PATRICIA HOLLAND	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 05/04/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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 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.

Additional data for EC transaction #413691 that would not fit on the form

32. Additional remarks, continued

3-24-18 SI pending packer installation

3-26 to
3-30-18 RIH w/ packer, 2 7/8" tubing, & GLV's

4-2-18 Turn well to production

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
MAY 09 2018
HOBBS OGD

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS

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 COMPANY OF OK** Contact: PATRICIA HOLLAND
 Email: pholland@cimarex.com

3. Address **202 S CHEYENNE AVE STE 1000 TULSA, OK 74103** 3a. Phone No. (include area code) Ph: **918.560.7081**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **SESW 318FSL 1802FWL 32.065817 N Lat; 103.700000 W Lon**
 At top prod interval reported below **SESW 318FSL 1802FWL 32.065817 N Lat, 103.700000 W Lon**
 At total depth **NENW 331FNL 2152FWL 32.078689 N Lat, 103.698970 W Lon**

14. Date Spudded **11/04/2017** 15. Date T.D. Reached **12/02/2018** 2017 16. Date Completed D & A Ready to Prod. **03/26/2018**

17. Elevations (DF, KB, RT, GL)* **3272 GL**

18. Total Depth: MD **16532** TVD **11885** 19. Plug Back T.D.: MD **16517** TVD **11885** 20. Depth Bridge Plug Set: MD **MD** TVD **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 Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
14.750	10.075 J-55	45.5	0	1089		1000		0	
6.750	5.500 HCP-110	23.0	0	11196				0	
9.875	7.625 L-80	29.7	0	11858	4330	2030		0	
6.750	5.000 HCP-110	23.0	11196	16532		650		8900	

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	11183	11183						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	12215	16532	12215 TO 16532	0.430	700	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
12215 TO 16532	FRAC'D W/9778922 #S SAND AND 7567034 GALS 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
04/05/2018	04/19/2018	24	→	315.0	857.0	2424.0	47.7		GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
23/64	SI	1650.0	→	315	857	2424	2720	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 S	
	SI		→						

(See Instructions and spaces for additional data on reverse side)
 ELECTRONIC SUBMISSION #413633 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
 ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPEP

Pending BLM approvals will subsequently be reviewed and scanned

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	11870	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 #413633 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY OF COLO, sent to the Hobbs**

Name (please print) PATRICIA HOLLAND Title REGULATORY ANALYST

Signature (Electronic Submission) Date 05/04/2018

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.

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