

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. 202 S. Cheyenne Ave, Ste 1000 Tulsa, OK 74103		² OGRID Number 215099	³ Reason for Filing Code/ Effective Date NW-4-3-18
⁴ API Number 30 - 025-43303	WC-025- G-08 S203205N Upper WC		⁶ Pool Code 98065
⁷ Property Code 316338	⁸ Property Name Hallertau 5 Federal	⁹ Well Number 9H	

II. ¹⁰ 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	1762	West	Lea

¹¹ 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	1269	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				

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 9/27/18	²² Ready Date 4/3/18	²³ TD 16590/11875'	²⁴ PBDT 16575/11875'	²⁵ Perforations 12122/16550'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
14.75	10.075	1180	1000/TOC-0'		
9.875	7.625	11980	2639/TOC-0'		
6.75	5.5	11312	0/TOC-0'		
6.75	5.0	16590	700/TOC-11312'		
	2.375 - 2.875	11183			

V. Well Test Data:

³¹ Date New Oil 4/3/18	³² Gas Delivery Date 4/5/18	³³ Test Date 4/22/18	³⁴ Test Length 24	³⁵ Tbg. Pressure 2300	³⁶ Csg. Pressure 2900
³⁷ Choke Size 29/64	³⁸ Oil 602	³⁹ Water 2310	⁴⁰ Gas 1589	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: *5-22-18*

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

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 9H
2. Name of Operator CIMAREX ENERGY COMPANY Contact: PATRICIA HOLLAND E-Mail: pholland@cimarex.com		9. API Well No. 30-025-43303
3a. Address 202 S CHEYENNE AVE STE 1000 TULSA, OK 74103	3b. Phone No. (include area code) Ph: 918-560-7081	10. Field and Pool or Exploratory Area WOLFCAMP
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T26S R32E SWSW 318FSL 1762FWL		11. County or Parish, State LEA COUNTY, NM

HOBBS OCD
 RECEIVED
 MAY 17 2018

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.

9/27/2017 Spud Well
 9/27/2017 TD 14 3/4" Surface Hole @ 1180?
 9/28/2017 Ran 10 3/4" 45.50#, J-55 BTC casing @ 1180?
 Mix & Pump Lead cmt: 680 sxs of Halcem C, 13.5 ppg, 1.73 yld. Tail cmt: 320 sxs of Halcem C, 14.8 ppg, 1.33 yld. 324 sxs of cmt to surface. WOC 22+ hrs.
 9/29/2017 Test CSG TO 1500 psi for 30 Min. Good Test
 10/12/2017 TD 9 7/8" Hole @ 11980?
 10/13/2017 Ran 7 5/8" 29.7# L-80 LTC casing @ 11980?
 10/14/2017 Top of DV tool set @ 4372?
 1st Stage Cement Job: Mix and Pump Lead cmt: 930 sxs of NeoCem 10.5 ppg 3.5 yld. Tail cmt: 249 sxs, 14.5 ppg, 1.24 yield. Patch Hutching on location during stage 1 cement.
 2nd Stage Cement Job: Mix and Pump cmt: 1460 sxs of EconoCem HLC, 12.9 ppg, 1.88 yield. Circ 657

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

**Electronic Submission #411019 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY, sent to the Hobbs**

Name (Printed/Typed) PATRICIA HOLLAND	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 04/10/2018

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

... department or agency of the United

(Instructions on page 2)

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

Additional data for EC transaction #411019 that would not fit on the form

32. Additional remarks, continued

sxs of cmt to surface. WOC 24+ hrs

10/15/2017 Test csg to 1500 psi for 30 Min. Good Test

12/30/2017 TD Well @ 16590?

12/31/2017 Ran 5? 18# HCP- 110 BTC Csg @ 16590?

1/1/2018 Mix and Pump Tail Cmt: 700 sks Versacem H, 14.5 ppg, 1.24 yld. Circulated no cmt to surface. WOC.

1/2/2018 Rig Released

• **Additional data for EC transaction #420064 that would not fit on the form**

32. Additional remarks, continued

3-22-18 - Flowback Well

3-23 to 3-24-18 - SI pending packer assembly installation

3-25-18 - 3-27-18 - RIH w/packer, 2 7/8" tubing, & GLV's

4-3-18 - Turn to production

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

HOBBS OCD
MAY 17 2018
RECEIVED

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM0392082A

1a. 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 COMPANY** Contact: **PATRICIA HOLLAND**
E-Mail: **pholland@cimarex.com**

8. Lease Name and Well No.
HALLERTAU 5 FEDERAL 9H

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

9. API Well No.
30-025-43303

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **SWSW 318FSL 1762FWL 32.065814 N Lat, 103.700100 W Lon**
 At top prod interval reported below **SWSW 318FSL 1762FWL 32.065814 N Lat, 103.700100 W Lon**
 At total depth **NWNW 331FNL 1269FWL 32.078677 N Lat, 103.701777 W Lon**

10. Field and Pool, or Exploratory
WC025G08S263205N UP WC
 11. Sec., T., R., M., or Block and Survey or Area **Sec 5 T26S R32E Mer**
 12. County or Parish **LEA** 13. State **NM**

14. Date Spudded **09/27/2017** 15. Date T.D. Reached **12/30/2017** 16. Date Completed
 D & A Ready to Prod.
03/22/2018

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

18. Total Depth: MD **16590** TVD **11875** 19. Plug Back T.D.: MD **16575** TVD **11875** 20. Depth Bridge Plug Set: MD **MD** TVD **TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL; 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	10.075 J-55	45.5	0	1180		1000		0	
6.750	5.500 HCP-110	23.0	0	11312				0	
9.875	7.625 L-80	29.7	0	11980	4372	2639		0	
6.750	5.000 HCP-110	18.0	11312	16590		700		11312	

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	11038	11038						

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	12122	16550	12122 TO 16550	0.380	700	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
12122 TO 16550	FRAC W/9,780,506#S SAND AND 7,586,967 BBLs 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
04/03/2018	04/22/2018	24	→	602.0	1589.0	2310.0	54.4		GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
29/64	SI 2300	2900.0	→	602	1589	2310	2639	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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

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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 #420115 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY, sent to the Hobbs**

Name (please print) PATRICIA HOLLAND Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 05/15/2018

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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