Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs
HOBBS OCD
AUG 06 2018
RECEIVED

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

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 OF CO — Contact: PATRICIA HOLLAND — Mail: pholland@cimarex.com

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

3. Address: 202 S CHEYENNE AVE. SUITE 1000, TULSA, OK 74103

3a. Phone No. (include area code): Ph: 918-560-7081

9. API Well No.: 30-025-43303-00-S1

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 WOLFCAMP

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

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 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
14.750	10.750 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	0.000	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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
29/64	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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

ACCEPTED FOR RECORD
JUL 28 2018
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #420115 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation Due: 09/22/2018

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	TOP OF 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 OF CO, sent to the Hobbs
Committed to AFMSS for processing by DUNCAN WHITLOCK on 05/25/2018 (18DW0188SE)

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 fradulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****