

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM263941a. 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: FATIMA VASQUEZ  
E-Mail: fvasquez@cimarex.com8. Lease Name and Well No.  
VACA DRAW 20-17 FEDERAL 1H3. Address 600 N. MARIENFELD SUITE 600  
MIDLAND, TX 797013a. Phone No. (include area code)  
Ph: 432-620-19339. API Well No.  
30-025-44135-00-S1

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

Sec 20 T25S R33E Mer NMP

At surface SWSW 390FSL 590FWL 32.109901 N Lat, 103.600945 W Lon

Sec 20 T25S R33E Mer NMP

At top prod interval reported below SWSW 487FSL 542FWL 32.110172 N Lat, 103.601097 W Lon

Sec 17 T25S R33E Mer NMP

At total depth NWNW 331FNL 378FWL 32.136951 N Lat, 103.601608 W Lon

10. Field and Pool, or Exploratory  
WC025G09S253309P-UP WOLFCAMP11. Sec., T., R., M., or Block and Survey  
or Area Sec 20 T25S R33E Mer NMP12. County or Parish  
LEA 13. State  
NM14. Date Spudded  
12/23/201715. Date T.D. Reached  
02/18/201816. Date Completed  
☐ D & A ☒ Ready to Prod.  
08/06/201817. Elevations (DF, KB, RT, GL)\*  
3423 GL

18. Total Depth: MD 21966 TVD 12402 19. Plug Back T.D.: MD 21940 TVD 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
3423 GL22. 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	1051		839		0	
6.750	5.500 HCP-110	23.0	0	11701					
9.875	7.625 HCL-80	29.7	35	12544		3690		0	
6.750	5.000 HCP-110	18.0	11701	21960		1750		11970	

## 24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

## 25. Producing Intervals

## 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	12218		12496 TO 21915		1260	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
12496 TO 21915	461,213 BBLS FLUID & 22,508,737# 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
08/06/2018	08/15/2018	24	→	2361.0	2430.0	4658.0	47.8		FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
50	SI	4000.0	→	2361	2430	4658	1029	PO	

## 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		→						

ACCEPTED FOR RECORD

DEC - 8 2018

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #436632 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

Reclamation Due: 2/6/2019

## 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
BONE SPRING WOLFCAMP	9023 12218	11745	SANDSTONE; OIL & GAS SHALE; OIL & GAS	RUSTLER TOP OF SALT	950 1270

## 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 #436632 Verified by the BLM Well Information System.**  
**For CIMAREX ENERGY COMPANY, sent to the Hobbs**  
**Committed to AFMSS for processing by DUNCAN WHITLOCK on 10/10/2018 (19DW0007SE)**

Name (please print) FATIMA VASQUEZTitle REGULATORY ANALYST

Signature \_\_\_\_\_ (Electronic Submission)

Date 09/24/2018

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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***