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Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 18 2018

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

DISTRICT II-ARTESIA O.C.D.

5. Lease Serial No.
NMNM0441951A

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
 b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☒ Plug Back ☐ Diff. Resvr.
 Other *Completed DHC Order #4802A*

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
CIMAREX ENERGY CO. OF COLORADO
Contact: AMITHY E CRAWFORD
Email: acrawford@cimarex.com

8. Lease Name and Well No.
WHITE CITY 31 FEDERAL 3

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

3a. Phone No. (include area code)
Ph: 432-620-1909

9. API Well No.
30-015-34300

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

At surface 950FNL 1000FWL

At top prod interval reported below 950FNL 1000FWL

At total depth 950FNL 1000FWL

10. Field and Pool, or Exploratory
CISCO CANYON/WOLFCAMP11. Sec., T., R., M., or Block and Survey
or Area Sec 31 T24S R26E Mer12. County or Parish
EDDY13. State
NM

14. Date Spudded
03/11/2006

15. Date T.D. Reached

16. Date Completed
☐ D & A ☒ Ready to Prod.
06/03/2017

17. Elevations (DF, KB, RT, GL)*
3524 GL

18. Total Depth: MD
TVD 12135

19. Plug Back T.D.: MD
TVD 11096

20. Depth Bridge Plug Set: MD
TVD 11317

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
PRODUCTION LOG

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
17.500	13.375 H40	48.0	0	215		210		0	46
12.250	9.625 J55	40.0	0	1940		725		0	35
8.375	5.500 P110	17.0	0	12135		2180		6050	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	8326	8326						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	8456	9927	8456 TO 9927	0.420	236	OPEN C2
B) CISCO CANYON	9947	10170	9947 TO 10170	0.420	59	OPEN C1
C)			11368 TO 11829			MORROW ABANDONED
D)						CEBPC 11317

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

Depth Interval	Amount and Type of Material
8456 TO 9927	1448168 GAL SLICKWATER AND 1934492 LBS SAND
9947 TO 10170	407906 GAL SLICKWATER AND 1934492 LBS 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
06/03/2017	06/09/2017	24	→	120.0	1650.0	1661.0			GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
34	SI 1100		→	120	1650	1661		PGW	

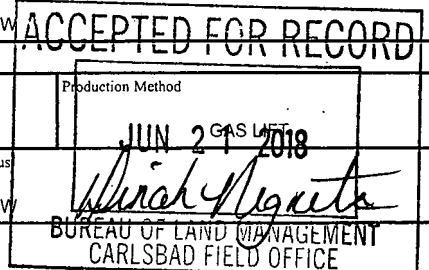
28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
06/03/2017	06/09/2017	24	→	5.0	69.0	69.0			GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
34	SI 1100		→	5	69	69		PGW	

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

ELECTRONIC SUBMISSION #423803 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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



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 CISCO CANYON STRAWN	5275 8337 9937 10246			BONE SPRING WOLFCAMP CISCO CANYON STRAWN	5275 8337 9937 10246

32. Additional remarks (include plugging procedure):

CIBP set at 11317' with 25sks. TOC 11096
Cml Retainer at 10264' Squeeze perfs @ 10270' with 395 sks cement.
Pkr set at 8128'. Squeeze perfs @ 8356' with 395 sks cement.

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 #423803 Verified by the BLM Well Information System.
For CIMAREX ENERGY CO. OF COLORADO, sent to the Carlsbad

Name (please print) AMITHY E CRAWFORDTitle REGULATORY ANALYSTSignature (Electronic Submission)Date 06/13/2018

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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