NM OIL CONSERVATION
ARTESIA DISTRICT
APR 19 2018
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Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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 Recompletion C2, C3

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 E-Mail: acrawford@cimarex.com

8. Lease Name and Well No. WHITE CITY 31 FEDERAL 4

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

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

9. API Well No. 30-015-35494, C2 + C3

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

At surface 800FSL 1250FEL

At top prod interval reported below 800FSL 1250FEL

At total depth 800FSL 1250FEL

10. Field and Pool, or Exploratory CISCAMP

11. Sec., T., R., M., or Block and Survey or Area Sec 31 T24S R26E Mer

12. County or Parish EDDY

13. State NM

14. Date Spudded 12/23/2008

15. Date T.D. Reached

16. Date Completed ☐ D & A ☒ Ready to Prod. 08/23/2017

17. Elevations (DF, KB, RT, GL)* 3409 GL

18. Total Depth: MD TVD 12080

19. Plug Back T.D.: MD TVD 10372

20. Depth Bridge Plug Set: MD TVD 10412

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H50	48.0	0	320		540		0	
12.250	9.625 J55	40.0	0	2250		1110		0	
7.875	4.500 N80	11.6	0	12080		2160		5500	

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) C3	WOLFCAMP	8412	9886	8412 TO 9886	0.420	59	OPEN
B) C2	CISCO CANYON	9928	10130	9928 TO 10130	0.420	59	OPEN
C)							
D)				DHC ORDER #4803			

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

Depth Interval	Amount and Type of Material
8412 TO 9886	FRAC WOLFCAMP WITH 343340 GAL SLICKWATER AND 421487 # SAND
9928 TO 10130	FRAC CISCO CANYON WITH 424799 GAL SLICKWATER AND 557221# SAND
10845 TO 11155	SET CIPB WITH 25SKS. ABANDON MORROW > 51 PLUGGED 3/10/2017
10372 TO 10412	SET CIPB WITH 40' CEMENT. ABANDON ATOKA

4/23/18

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
08/23/2017	09/01/2017	24	→	22.0	845.0	406.0			FLOWS FROM WELL
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas:Oil Ratio**	**Well Status**	
48	0	625.0	→	22	845	406		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
08/23/2017	09/01/2017	24	→	10.0	379.0	183.0			FLOWS FROM WELL
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas:Oil Ratio**	**Well Status**	
48	0	625.0	→	10	379	183		PGW	

ACCEPTED FOR RECORD
APR -7 2018
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #408925 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

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 #408925 Verified by the BLM Well Information System.
For CIMAREX ENERGY CO. OF COLORADO, sent to the Carlsbad

Name *(please print)* AMITHY E CRAWFORD Title REGULATORY ANALYST

Signature (Electronic Submission) Date 03/22/2018

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.

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