

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM130854

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
NMNM137097

8. Lease Name and Well No.
COTTONBERRY 20 FEDERAL COM 4H

9. API Well No.
30-015-43658-00-S1

10. Field and Pool, or Exploratory
WC015G02S252715A-BONE SPRING

11. Sec., T., R., M., or Block and Survey
or Area Sec 20 T25S R27E Mer NMP

12. County or Parish
EDDY

13. State
NM

17. Elevations (DF, KB, RT, GL)*
3139 GL

18. Total Depth: MD 11975 TVD 7508

19. Plug Back T.D.: MD 11972 TVD 7508

20. Depth Bridge Plug Set: MD TVD

22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit analysis)
Directional Survey? No Yes (Submit analysis)

1a. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other _____

2. Name of Operator
CIMAREX ENERGY COMPANY OF OK Contact: TERRI STATHEM
Email: tstathem@cimarex.com

3. Address 202 S CHEYENNE AVE SUITE 1000
TULSA, OK 74103.4346

3a. Phone No. (include area code)
Ph: 432-620-1936

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface NENE 330FNL 700FEL
At top prod interval reported below NENE 330FNL 700FEL
At total depth SESE 331FSL 656FEL

14. Date Spudded
02/01/2017

15. Date T.D. Reached
02/18/2017

16. Date Completed
 D & A Ready to Prod.
06/17/2017

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
NONE

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 J-55	48.0	0	435		580	139	0	
12.250	9.625 J-55	36.0	0	1990		730	220	0	
8.500	5.500 L-80	17.0	0	11975		2275	763	0	

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	7022	7022						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7444	11955	7444 TO 11955	0.430	455	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material	ARTESIA DISTRICT
7444 TO 11955	123695 BBLs TOTAL FLUID; 9247657# SAND	AUG 29 2017

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
06/17/2017	07/05/2017	24	→	767.0	1478.0	747.0	48.2		GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
44/64	SI 750	1000.0	→	767	1478	747	1926	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		→						

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

ELECTRONIC SUBMISSION #381564 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

RECLAMATION DUE: DEC 17 2017

DAVID R. GLASS
PETROLEUM ENGINEER

ACCEPTED FOR RECORD
(ORIG SGD) DAVID R. GLASS
AUG 16 2017

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
RUSTLER	0	1230		SALADO	1230
CASTILE	1230	1790		CASTILE	1790
BELL CANYON	2050	2970	WATER	BELL CANYON	2050
CHERRY CANYON	2970	4000	WATER	CHERRY CANYON	2970
BRUSHY CANYON	4000	5520	OIL/GAS/WATER	BRUSHY CANYON	4000
BONE SPRING	7444	11955	OIL/GAS/WATER	BONE SPRING	5520

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 #381564 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 07/24/2017 (17DMH0140SE)

Name (please print) TERRI STATHEM Title MANAGER REGULATORY COMPLIANCE

Signature (Electronic Submission) Date 07/18/2017

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 ****