

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.
NMNM130854

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 Contact: ARICKA EASTERLING
E-Mail: aeasterling@cimarex.com

8. Lease Name and Well No.
COTTONBERRY 20 FEDERAL 3H

3. Address CIMAREX ENERGY CO 202 S CHEYENNE AVE, SUITE 3100
TULSA, OK 74103 Phone No. (include area code)
Ph: 918-560-7060

9. API Well No.
30-015-43454

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 17 T25S R27E Mer
At surface SWSE 161FSL 2225FEL
At top prod interval reported below Sec 17 T25S R27E Mer
SWSE 161FSL 2225FEL
At total depth Sec 20 T25S R27E Mer
SWSE 330FSL 1968FEL

10. Field and Pool or Exploratory
WC-015-S252715A; BONE SPR

11. Sec., T., R., M., or Block and Survey
or Area Sec 17 T25S R27E Mer

12. County or Parish
EDDY
13. State
NM

14. Date Spudded
12/01/2015
15. Date T.D. Reached
12/11/2015
16. Date Completed
 D & A Ready to Prod.
02/03/2016

17. Elevations (DF, KB, RT, GL)*
3135 GL

18. Total Depth: MD 12324
TVD 7471
19. Plug Back T.D.: MD 6747
TVD
20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
N/A

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 J55	48.0		455		520		0	211
12.250	9.625 J55	36.0		1986		730		0	278
8.500	5.500 L80	17.0		12324		2225		0	160

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	6747	6747						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7685	12295	7685 TO 12295	0.460	450	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7685 TO 12295	FRAC WITH 4,166,569 GAL FRAC FLUID & 6,414,032 # SAND.

NEW OIL CONSERVATION
ARTESIA DISTRICT
MAY 09 2016

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
02/03/2016	02/08/2016	24	→	178.0	559.0	1339.0	46.2		GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
24	730	150.0	→	17	197	1366	3140	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	
			→						

ACCEPTED FOR RECORD

MAY - 4 2016
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #332964 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Reclamation Due: 8/3/2016

Accepted for record - NMOCD

08

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	2050	2970	WATER	SALADO	1230
CHERRY CANYON	2970	4000	WATER	CASTILLE	1790
BRUSHY CANYON	4000	5520	WATER OIL AND GAS	BELL CANYON	2050
BONE SPRING	5520	7460	WATER OIL AND GAS	CHERRY CANYON	2970
				BRUSHY CANYON	4000
				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 #332964 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by DINAH NEGRETE on 05/04/2016 ()

Name (please print) ARICKA EASTERLING Title REGULATORY ANALYST

Signature (Electronic Submission) Date 03/07/2016

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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