

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NMNM130854		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator CIMAREX ENERGY COMPANY			Contact: ARICKA EASTERLING E-Mail: aeasterling@cimarex.com		
3. Address CIMAREX ENERGY CO 202 S CHEYENNE AVE, SUITE 1000 TULSA, OK 74103			Phone No. (include area code) Ph: 918-560-7060		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 17 T25S R27E Mer At surface SWSE 161FSL 2225FEL Sec 17 T25S R27E Mer At top prod interval reported below SWSE 161FSL 2225FEL Sec 20 T25S R27E Mer At total depth SWSE 330FSL 1968FEL			8. Lease Name and Well No. COTTONBERRY 20 FEDERAL 3H		
14. Date Spudded 12/01/2015			15. Date T.D. Reached 12/11/2015		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 02/03/2016			9. API Well No. 30-015-43454		
18. Total Depth: MD 12324 TVD 7471			19. Plug Back T.D.: MD 6747 TVD		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool or Exploratory WC-015-S262715A; BONE SPR		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) N/A			11. Sec., T., R., M., or Block and Survey or Area Sec 17 T25S R27E Mer		
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)			12. County or Parish EDDY		
23. Casing and Liner Record (Report all strings set in well)			13. State NM		
17. Elevations (DF, KB, RT, GL)* 3135 GL			17. Elevations (DF, KB, RT, GL)* 3135 GL		

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

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						

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)						

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

28. Production - Interval A									
Date First Produced 02/03/2016	Test Date 02/08/2016	Hours Tested 24	Test Production →	Oil BBL 178.0	Gas MCF 559.0	Water BBL 1339.0	Oil Gravity Corr. API 46.2	Gas Gravity	Production Method GAS LIFT
Choke Size 24	Tbg. Press. Flwg. 730	Csg. Press. 150.0	24 Hr. Rate →	Oil BBL 17	Gas MCF 197	Water BBL 1366	Gas:Oil Ratio 3140	Well Status POW	ACCEPTED FOR RECORD MAY - 4 2016 BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE
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. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

(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

## 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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***