

# BLM OIL CONSERVATION ARTESIA DISTRICT

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUL 30 2014

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NNNM14124

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 Contact: ARICKA EASTERLING  
CIMAREX ENERGY COMPANY OF ~~CD~~ Mail: aeasterling@cimarex.com

8. Lease Name and Well No.  
MARQUARDT 1 FEDERAL 13

3. Address 600 NORTH MARIENFELD STREET SUITE 600  
MIDLAND, TX 79701

3a. Phone No. (include area code)  
Ph: 918-560-7060

9. API Well No.  
30-015-37382-00-S1

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

At surface SWSE 150FSL 1650FEL

At top prod interval reported below SWSE 150FSL 1650FEL

At total depth NWNE 338FNL 1842FEL

10. Field and Pool, or Exploratory  
BLACK RIVER

11. Sec., T., R., M., or Block and Survey  
or Area Sec 1 T25S R26E Mer NMP

12. County or Parish  
EDDY

13. State  
NM

14. Date Spudded  
11/03/2013

15. Date T.D. Reached  
11/16/2013

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
01/13/2014

17. Elevations (DF, KB, RT, GL)\*  
3272 GL

18. Total Depth: MD 11794  
TVD 7120

19. Plug Back T.D.: MD 11780  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
DSN&DLL

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 J-55	48.0	0	460		500		0	
12.250	9.625 J-55	40.0	0	1970		580		0	
7.875	5.500 P-110	17.0	0	11794		1985		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	6551	6551						

### 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7137	11765	7137 TO 11765	0.540	432	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7137 TO 11765	FRAC WITH 1,916,338- GAL TOTAL FLUID & 3,008,431 # 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
01/16/2014	01/29/2014	24	→	1298.0	2182.069	6.0	44.3		GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
35/64	SI	15.0	→	1298	2182	696	1681	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	
			→						

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

ELECTRONIC SUBMISSION #250527 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

RECLAMATION  
DUE 7-13-14

ACCEPTED FOR RECORD

BUREAU OF LAND MANAGEMENT

CARLSBAD FIELD OFFICE

GAS LIFT

JUL 27 2014

AB  
8/11/14

## 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	2031	2983	SANDSTONE; WATER	SALADO	1302
CHERRY CANYON	3056	3587	SANDSTONE; WATER	CASTILE	1771
BRUSHY CANYON	5115	5437	SANDSTONE; WATER, MINOR OIL	BELL CANYON	1985
BONE SPRING	6885	7585	SANDSTONE; OIL, GAS & WATER	CHERRY CANYON	2989
				BRUSHY CANYON	3950
				BONE SPRING	5436

## 32. Additional remarks (include plugging procedure):

Logs will be sent to the Carlsbad field office via Fed Ex.

## 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 #250527 Verified by the BLM Well Information System.**  
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad  
Committed to AFMSS for processing by DUNCAN WHITLOCK on 06/24/2014 (14DW0106SE)

Name (*please print*) ARICKA EASTERLING

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 06/24/2014

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 \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***