

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

5. Lease Serial No.  
NNMM14124

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 TEXAS Email: aeasterling@cimarex.com

8. Lease Name and Well No.  
MARQUARDT 1 FEDERAL 14H

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.  
30-015-41808-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface SESE 200FSL 660FEL 32.090830 N Lat, 104.142443 W Lon  
At top prod interval reported below SESE 200FSL 660FEL  
At total depth NENE 341FNL 416FEL

10. Field and Pool, or Exploratory  
WILDCAT

11. Sec., T., R., M., or Block and Survey  
or Area Sec 1 T25N R26E Mer NMP

12. County or Parish  
EDDY 13. State  
NM

14. Date Spudded 04/22/2014 15. Date T.D. Reached 05/08/2014 16. Date Completed  
 D & A  Ready to Prod.  
06/11/2014

17. Elevations (DF, KB, RT, GL)\*  
3268 GL

18. Total Depth: MD 11717 TVD 7121 19. Plug Back T.D.: MD 11714 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 J55	48.0	0	455		500		0	166
12.250	9.625 J55	36.0	0	1997		690		0	292
8.500	5.500 L80	17.0	0	11717		2330		0	351

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	6576	6576						

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7033	11646	7033 TO 11646	0.540	336	OPEN - Bone Springs
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7033 TO 11646	FRAC WITH 3,453,240 GAL TOTAL FLUID & 4,596,461 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
06/16/2014	06/19/2014	24	→	820.0	1486.0	1069.0	32.4		ELECTRIC PUMP SURFACE
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
28/64	S1 740	0.0	→	820	1486	1069	1812	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	
	S1		→						

(See Instructions and spaces for additional data on reverse side)  
ELECTRONIC SUBMISSION #255882 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

RECLAMATION  
DUE 12/19/2014

ACCEPTED FOR RECORD  
NOV 12 2014  
Dinah Regardt  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

CR

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	2036	3000	SANDSTONE; WATER	RUSTLER	0
CHERRY CANYON	3084	3612	SANDSTONE; WATER	TOP SALT	1150
BRUSHY CANYON	5147	5480	SANDSTONE; WATER, MINOR OIL	BASE OF SALT	1832
BONE SPRING	6920	7783	SANDSTONE; OIL, GAS & WATER	BELL CANYON	2036
				CHERRY CANYON	3084
				BRUSHY CANYON	5147
				BONE SPRING	6920

32. Additional remarks (include plugging procedure):  
Logs are being sent via Fed Ex to the Carlsbad field office.

Please hold confidential.

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 #255882 Verified by the BLM Well Information System.**  
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad  
Committed to AFMSS for processing by DINAH NEGRETE on 11/08/2014 (15DCN0024SE).

Name (please print) ARICKA EASTERLING Title REGULATORY ANALYST

Signature (Electronic Submission) Date 08/06/2014

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 \*\***