

CONFIDENTIAL

Form 3160-4
(August 2007)

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.
NMNM14124

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.
MARQUARDT 1 FEDERAL 14H

3. Address **202 S. CHEYENNE, SUITE 1000
TULSA, OK 74103** 3a. Phone No. (include area code)
Ph: **918-560-7060**

9. API Well No.
30-015-41808

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

10. Field and Pool, or Exploratory
COTTON DRAW; BS
 11. Sec., T., R., M., or Block and Survey
or Area **Sec 1 T25N R26E Mer**
 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 **7121** 20. Depth Bridge Plug Set: MD **11714** TVD **7121**

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

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

26. Perforation Record

Depth Interval	Amount and Type of Material
7033 TO 11646	FRAC WITH 3,453,240-GAL TOTAL FLUID & 4,596,461 SAND.

NM OIL CONSERVATION
ARTESIA DISTRICT
AUG 07 2014

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

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 SUB-SURFACE

RECEIVED

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
			→						

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
			→						

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

ELECTRONIC SUBMISSION #255882 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

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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 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, sent to the Carlsbad

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.

** ORIGINAL **