

NM OIL CONSERVATION
ARTESIA DISTRICT

MAR 17 2015

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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 FEDERAL 11H

3. Address **202 S. CHEYENNE, SUITE 1000
TULSA, OK 74103**

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

9. API Well No.
30-015-41849

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **Sec 13 T25S R26E Mer
NENW 360FNL 1750FWL**
 At top prod interval reported below **Sec 13 T25S R26E Mer
NENW 360FNL 1750FWL**
 At total depth **Sec 12 T25S R26E Mer
NENW 333FNL 2128FWL**

10. Field and Pool, or Exploratory
COTTONWOOD DRAW; BS

11. Sec., T., R., M., or Block and Survey
or Area **Sec 13 T25S R26E Mer**

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
09/10/2014

15. Date T.D. Reached
10/12/2014

16. Date Completed
 D & A Ready to Prod.
12/02/2014

17. Elevations (DF, KB, RT, GL)*
3276 GL

18. Total Depth: MD **12347**
TVD **7175**

19. Plug Back T.D.: MD **12334**
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	425		500		0	208
12.250	9.625 J55	36.0	0	1886		870		0	212
8.500	5.500 L80	17.0	0	12347		2490		1550	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	6548	6548						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7782	12318	7782 TO 12318	0.540	360	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
7782 TO 12318	FRAC WITH 3,527,229 GAL TOTAL FLUID & 5,012,467 # 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
12/02/2014	12/11/2014	24	→	746.0	1228.0	1213.0	45.5		GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
30/64	700 SI	550.0	→	746	1228	1213	1646	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 #295066 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

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	1988	2821	WATER	SALADO	1183
CHERRY CANYON	3035	3690	WATER	CASTILLE	1732
BONE SPRING	5532	6143	WATER & GAS	BELL CANYON	1932
BONE SPRING	6947	7205	WATER, GAS, OIL	CHERRY CANYON	2957
				BRUSHY CANYON	4017
				BONE SPRING	5413

32. Additional remarks (include plugging procedure):
Logs were sent to Carlsbad 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 #295066 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 03/16/2015

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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