

# NM OIL CONSERVATION

ARTESIA DISTRICT

NOV 20 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: TERRI STATHEM  
E-Mail: tstathem@cimarex.com

8. Lease Name and Well No.  
MARQUARDT 1 FEDERAL 15H

3. Address 202 S. CHEYENNE AVE, STE 1000  
TULSA, OK 74103

3a. Phone No. (include area code)  
Ph: 432-620-1936

9. API Well No.  
30-015-42471

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

At surface SESW 330FNL 1550FWL

At top prod interval reported below SESW 330FNL 1550FWL

At total depth NENW 200FSL 1878FWL

10. Field and Pool, or Exploratory  
BONE SPRING

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

12. County or Parish  
EDDY 13. State  
NM

14. Date Spudded  
08/19/2015

15. Date T.D. Reached  
08/31/2015

16. Date Completed  
 D & A  Ready to Prod.  
10/19/2015

17. Elevations (DF, KB, RT, GL)\*  
3286 GL

18. Total Depth: MD 11788  
TVD 7165

19. Plug Back T.D.: MD 11785  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
NO LOGS

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	408		517		0	
12.250	9.625 J55	36.0	0	1925		756		0	
8.500	5.500 L80	17.0	0	11488		2032		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	6608	6608						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7130	11760	7130 TO 11760	0.540	525	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7130 TO 11760	98370 BBLs TOTAL FLUID; 647903# 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
10/24/2015	11/02/2015	24	→	778.0	1172.0	1117.0	44.7		GAS LIFT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
29	750	160.0	→	778	1172	1117	1506	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. 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 #324071 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	2002	2819	WATER	BELL CANYON	2002
CHERRY CANYON	2819	3828	WATER	CHERRY CANYON	2819
BRUSHY CANYON	3828	5385	OIL GAS WATER	BRUSHY CANYON	3828
BONE SPRING	5385	8547	OIL GAS WATER	BONE SPRING	5385

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 #324071 Verified by the BLM Well Information System.  
For CIMAREX ENERGY COMPANY, sent to the Carlsbad**

Name (please print) TERRI STATHEM Title MANAGER REGULATORY COMPLIANCE  
Signature \_\_\_\_\_ (Electronic Submission) Date 11/19/2015

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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