

NM OR CONSERVATION

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ARTESIA DISTRICT

JAN 22 2015

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM0554773

1a. Type of Well Oil Well Gas Well Dry Other
b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other _____

RECEIVED

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator **CIMAREX ENERGY COMPANY OF** Contact: **ARICKA EASTERLING**
Email: **aeasterling@cimarex.com**

8. Lease Name and Well No.
HACKBERRY 23 FEDERAL COM 2H

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.
30-015-42093-00-S1

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

At surface **NWSW 2280FSL 180FEL 32.384145 N Lat, 103.560064 W Lon**
Sec 24 T19S R30E Mer NMP
At top prod interval reported below **NWSW 2280FSL 180FEL**
Sec 22 T19S R30E Mer NMP
At total depth **NWSW 1955FSL 352FWL**

10. Field and Pool, or Exploratory
HACKBERRY

11. Sec., T., R., M., or Block and Survey
or Area **Sec 24 T19S R30E Mer NMP**

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
04/19/2014

15. Date T.D. Reached
05/16/2014

16. Date Completed
 D & A Ready to Prod.
06/22/2014

17. Elevations (DF, KB, RT, GL)*
3252 GL

18. Total Depth: **MD 18640
TVD 8378**

19. Plug Back T.D.: **MD 18568
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
26.000	20.000 J55	94.0	0	328		928		0	
17.500	13.375 J55	54.0	0	1928		1350		0	
12.250	9.625 J55	40.0	0	3612	2005	1100		0	
8.500	5.500 P110	17.0	0	18640		3765		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)
2.875	7872							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	8760	18555	8760 TO 18555	0.540	864	OPEN - BONE SPRING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
8760 TO 18555	FRAC WITH 4,339,986 GAL TOTAL FLUID & 5,937,685 # SAND.

ACCEPTED FOR RECORD
JAN 17 2015
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE
ELECTRIC PUMP SUB-SURFACE

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
06/23/2014	06/28/2014	24	→	750.0	934.0	1217.0	36.9		
Choke Size	Tbg. Press. Flwg	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
26/64	S1 360	130.0	→	750	934	1217	1245	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 #256012 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED **

Accepted for record
11/6/15
NMOCB
DECLARATION
DUE 12-22-14

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
DELAWARE BONE SPRING	3370 6262	6262 18844	SANDSTONE; WATER SNDSTNE,SHL,LMSTN: OIL & WATER	RUSTLER TOP SALT DELAWARE BONE SPRING	280 580 3370 6262

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 #256012 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 10/27/2014 (15DMH0023SE)**

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.