

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.
NMNM127894

1a. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other _____

2. Name of Operator **CIMAREX ENERGY COMPANY** Contact: **ARICKA EASTERLING**
E-Mail: aeasterling@cimarex.com

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

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface **NWNE 330FNL 2055FEL**
At top prod interval reported below **NWNE 330FNL 2055FEL**
At total depth **SWSE 359FSL 2043FEL** *Ko*

6. If Indian, Allottee or Tribe Name _____

7. Unit or CA Agreement Name and No. _____

8. Lease Name and Well No.
DIAMONDTAIL 23 FEDERAL 5H

9. API Well No. **30-025-40771**

10. Field and Pool, or Exploratory
DIAMONDTAIL, BONE SPRING

11. Sec., T., R., M., or Block and Survey
or Area **Sec 23 T23S R32E Mer**

12. County or Parish **LEA** 13. State **NM**

14. Date Spudded **01/23/2015** 15. Date T.D. Reached **02/09/2014** 16. Date Completed
 D & A R **02/12/2015** **RECEIVED**

17. Elevations (DF, KB, RT, GL)*
3724 GL

18. Total Depth: **MD 13970** 19. Plug Back T.D.: **MD 13967** 20. Depth Bridge Plug Set: **MD**
TVD 9701 **TVD** **TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
N/A

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		1340		1050			289
12.250	9.625 J55	40.0		4920		1400			262
8.500	5.500 P110	17.0		13970		1850		1550	0
5.500	3.500 L80	13.0	9015	12500		175		9030	

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	9010	8998						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) AVALON	9875	12445	9875 TO 12445	0.420	384	OPEN
B) AVALON	12566	13940	12566 TO 13940	0.290	342	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
9875 TO 12445	FRAC WITH 3,977,574 GAL FRAC FLUID & 3,981,950 # SAND.
12566 TO 13940	FRAC WITH 2,382,748 GAL FRAC FLUID & 2,321,807 # 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
02/12/2015	02/23/2015	24	→	508.0	1090.0	1151.0	44.2		GAS LIFT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
18	680	670.0	→	508	1090	1151	2146	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 #298249 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

APR 21 2015

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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.)
CAPTURED

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	4980	5835	WATER	RUSTLER	1208
CHERRY CANYON	5835	7180	WATER	TOP OF SALT	1346
BONE SPRING	8750	9975	WATER, OIL, GAS	DELAWARE	4925
				BONE SPRING	8824

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 #298249 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY, sent to the Hobbs

Name (please print) ARICKA EASTERLING Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 04/15/2015

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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