

NMOC D

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NIMNM43562

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 OF** Contact: **HOPE KNAULS**  
 Email: **hknaults@cimarex.com**

3. Address **600 NORTH MARIENFELD STREET, SUITE 600** 3a. Phone No. (include area code) \_\_\_\_\_  
**MIDLAND, TX 79701** Ph: **918.295.1763**

8. Lease Name and Well No. **CASCADE 29 FEDERAL 5H**  
 9. API Well No. **30-025-41243-00-S1**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\* **FEB 13 2015**  
 At surface **NWNW 330FNL 500FWL**  
 At top prod interval reported below **Sec 29 T25S R32E Mer NMP NWNW 330FNL 580FWL**  
 At total depth **SWSW 330FSL 1187FWL** **RECEIVED**

10. Field and Pool, or Exploratory **WC-025 G08 S253235G Lower BS**  
 11. Sec., T., R., M., or Block and Survey or Area **Sec 29 T25S R33E Mer NMP**  
 12. County or Parish **LEA** 13. State **NM**

14. Date Spudded **06/14/2014** 15. Date T.D. Reached **07/05/2014** 16. Date Completed **12/23/2014**  
 D & A  Ready to Prod.

17. Elevations (DF, KB, RT, GL)\* **3422 GL**

18. Total Depth: MD **14373** TVD **9874** 19. Plug Back T.D.: MD **14285** TVD \_\_\_\_\_ 20. Depth Bridge Plug Set: MD **TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) **3422 GL**

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	13.000 J-55	48.0		1046		945			435
12.250	9.625 J-55	48.0		4900		1525			388
8.500	5.500 L-80	20.0		14373		2355		2075	

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	8950	8950						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING LOWER	9870	14260	9870 TO 14260	0.000	576	OPEN (97903) Lower BS
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
9870 TO 14260	7135538 GAL FLUID; 6833930 #SAND

ACCEPTED FOR RECORD

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

28. Production - Interval A **FEB 12 2015**

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/23/2014	01/11/2014	24	→	358.0	424.0	832.0	49.5		<i>Handwritten Signature</i> GAS-LIFT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
24/64	110	750.0	→	358	424	832	1184	POW	

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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 #288315 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

*Reclamation Date: 6/23/2015*

FEB 18 2015

*m*

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
BONE SPRING DELAWARE	4938 4965	15311 8938	SANDSTONE, SHALE, LIMESTONE, O&W SANDSTONE; WATER	RUSTLER TOP OF SALT DELAWARE BONE SPRING	995 1330 4905 9045

32. Additional remarks (include plugging procedure):  
Please hold all paperwork 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 #288315 Verified by the BLM Well Information System.  
For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs  
Committed to AFMSS for processing by LINDA JIMENEZ on 01/21/2015 (15LJ0557SE)**

Name (please print) HOPE KNAULS Title REGULATORY TECH

Signature \_\_\_\_\_ (Electronic Submission) Date 01/16/2015

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.

**\*\* REVISED \*\* REVISED \*\***