

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires March 31, 2007

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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 Co. of Colorado

3. Address  
PO Box 140907; Irving, TX 75014

3a. Phone No. (include area code)  
972-443-6489

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

At surface 1980 FNL & 660 FWL

At top prod. interval reported below

At total depth

OCT 06 2008  
OCD-ARTESIA

5. Lease Serial No.  
NM-12128

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
Pending

8. Lease Name and Well No.  
Juno 27 Federal Com No. 2

9. API Well No.  
30-015-36114

10. Field and Pool, or Exploratory  
Henshaw; Morrow, Southwest (Gas)

11. Sec., T., R., M., on Block and  
Survey or Area  
27-16S-29E

12. County or Parish Eddy  
13. State NM

14. Date Spudded 02.11.08  
15. Date T D. Reached 03.10.08  
16. Date Completed 04.13.08  
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
3654' GR

18. Total Depth MD 10648' TVD  
19. Plug Back TD 10574' TD  
20. Depth Bridge Plug Set. MD 10300' (RBP w/ 1 sx sand) TVD

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

Nuc, Res, CBL ✓

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17½"	13¾"	48	0'	376'		350 PPHL, PP		0'	
12¼"	9¾"	40	0'	2653'		900 sx IntC, PP		0'	
8¾"	7"	26	0'	10648'		1340 sx IntH, PBSh		190'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2½"	10356'	10341'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) Morrow	10325'	10450'	10406' - 10452'	0.43	255	SI under Sliding Sleeve
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
10406' - 10452'	5000 gal 7½% NeFe, flush w/ 7% KCl
10406' - 10452'	28380 gal 35# Water Frac CMHPG, 3950 gal Methanol, 175.2 tons CO <sub>2</sub> , 97000# Versaprop

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
04.13.08	04.22.08	24	→	11	2225	13	48	1.030	Flow test
Choke Size	Tbg Press Flwg. 920	Csg. Press. 900	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
20/64	SI 2660		→				202,272	Morrow currently SI behind sliding sleeve	

28. 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	
	SI		→						

\* (See instructions and spaces for additional data on page 2)

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.)

Flared

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
				Grayburg	2050'
				San Andres	2500'
				Abo	5950'
				Wolfcamp	7270'
				U. Strawn S.S.	9570'
				Atoka Clastics	9950'
				Morrow Clastics	10325'

32. Additional remarks (include plugging procedure):

Morrow currently SI behind sliding sleeve @ 10043'...RBP was installed on 05-09-08 @ 10300' w/ 1 sx sand above the Morrow so Atoka could be tested. RBP switched out for sliding sleeve on 05-23-08 so Atoka could produce. Currently producing Atoka and will apply to DHC Atoka and Morrow. Morrow only produced 04-13-08 to 04-22-08.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☒ Electrical/Mechanical Logs (1 full set req'd.)
☐ Geologic Report
☐ DST Report
☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
☐ Core Analysis
☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Natalie Krueger
Title Regulatory Analyst
Signature *Natalie Krueger*
Date October 3, 2008

OPERATOR  
WELL/LEASE  
COUNTY

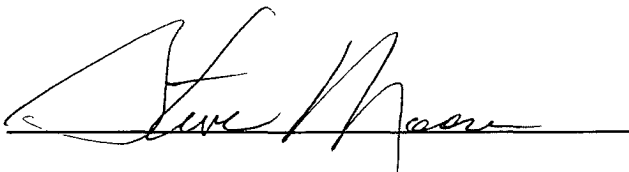
CIMAREX ENERGY CO.  
JUNO 27 FED. 2  
EDDY

075-0062

STATE OF NEW MEXICO  
DEVIATION REPORT

680	0.50
996	1.00
1,494	0.50
1,985	0.75
2,577	1.00
3,011	0.50
3,366	1.25
3,611	1.00
4,100	1.00
4,608	2.00
5,021	2.00
5,785	0.50
6,069	2.50
6,440	1.75
6,510	3.00
6,691	2.00
7,008	1.75
7,169	1.00
7,421	1.75
7,614	1.75
7,867	0.75
8,090	0.25
8,979	0.75
9,377	0.75
9,837	1.00
10,180	1.00
10,648	1.00

BY:

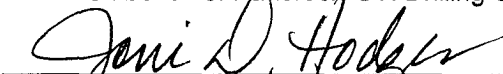


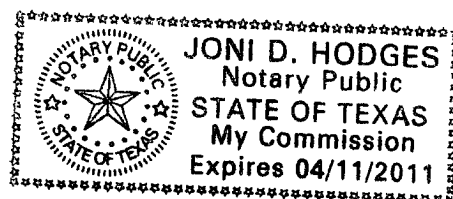
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on  
Moore on behalf of Patterson-UTI Drilling Company LLC.

March 31, 2008, by Steve

  
Notary Public for Midland County, Texas  
My Commission Expires: 4/11/11



## DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

## DISTRICT II

1301 W. Grand Avenue, Artesia, NM 88210

## DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

## DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-36114	Pool Code 97149	Pool Name Henshaw; Morrow, SW (Gas)
Property Code 37001	Property Name JUNO "27" FEDERAL COM	Well Number 2
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3654'

## Surface Location

UL or lot No. E	Section 27	Township 16 S	Range 29 E	Lot Idn	Feet from the 1980	North/South line NORTH	Feet from the 660	East/West line WEST	County EDDY
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## Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320	Joint or Infill	Consolidation Code P	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<b>OPERATOR CERTIFICATION</b>  I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  Signature: <u>Natalie Krueger</u> Date: <u>10-03-08</u>  Printed Name: <u>Natalie Krueger</u>	
	<b>SURVEYOR CERTIFICATION</b>  I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  Date Surveyed: <u>NOVEMBER 3, 2007</u> Signature: <u>[Signature]</u> Professional Surveyor Certificate No. <u>7977</u> Gary L. Jones	

BASIN SURVEYS