Form 3160-4
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT OCD-ARTESIA

FORM APPROVED
OMB NO 1004-0137
Expires March 31, 2007

ENTERED 10-23-09

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5 Lease Serial No: NM-94839

1a Type of Well: [ ] Oil Well [X] Gas Well [ ] Dry [ ] Other
b. Type of Completion: [ ] New Well [ ] Work Over [ ] Deepen [X] Plug Back [X] Diff Resvr
Other Recompleted to Wolfcamp

6 If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.: NMNM-113988

2. Name of Operator: Cimarex Energy Co. of Colorado

8 Lease Name and Well No: Wigeon 23 Federal Com 2

3. Address: 600 N. Marienfeld St., Ste. 600, Midland, Tx 79701

3a. Phone No (include area code): 432-571-7800

9. API Well No: 30-015-33684

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

RECEIVED
OCT 8 2009
NMOCD ARTESIA

At surface: 1350' FNL & 1300' FEL

10 Field and Pool, or Exploratory: Sage Draw; Wolfcamp East

At top prod. interval reported below

11. Sec, T, R, M, on Block and Survey or Area: 23-25S-26E

At total depth

12. County or Parish: Eddy

13 State: NM

14. Date Spudded: 09.15.04

15. Date T D. Reached: 10.17.04

16. Date Completed: 08.22.09 [ ] D & A [X] Ready to Prod

17. Elevations (DF, RKB, RT, GL)*: 3296' GR

18. Total Depth: MD 12345' TVD

19. Plug Back TD: MD 11485' TVD

20 Depth Bridge Plug Set: MD 11520' w/ 35' cmt TVD

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

Logs run on initial completion

22. Was well cored? [X] No [ ] Yes (Submit analysis)
Was DST run? [X] No [ ] Yes (Submit report)
Directional Survey [X] 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 Cementer Depth	No. of Sks & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17½"	13⅜"	54.5	0'	205'		400 sx		0'	
12 1/4"	9⅝"	40	0'	1925'		650sx		0'	
8 3/4"	7"	23	0'	9026'	DV @ 4990'	1025 sx		0'	
6 1/8"	4 1/2"	11.6	0'	12345'		425 sx		TOC 7350'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2⅜"	9447'	9454'						

25. Producing Intervals

	Formation	Top	Bottom
A)	Wolfcamp	9503'	9895'
B)			
C)			
D)			

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status
9827'-9895'	3 spf	75	producing
9695'-9750'	3 spf	48	producing
9503'-9642'	3 spf	60	producing

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

Depth Interval	Amount and Type of Material
9827'-9895'	frac w/6938 gal acid followed w/ 188,888 gals slickwater & 111,159# 30/50 sand.
9695'-9750'	frac w/5736 gal acid followed w/ 174,813 gals slickwater & 110,975# 30/50 sand
9503'-9642'	frac w/5005 gal acid followed w/ 299,938 gals slickwater & 166,589# 30/50 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 BTU	Production Method
08.22.09	09.09.09	24	→	22	338	138	54.1	1.233	Flowing

Choke Size	Tbg. Press Flwg / SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
open	Flwg 340 / SI 1440	540	→				15,363	Producing

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 / SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

ACCEPTED FOR RECORD
OCT 6 2009
/s/ Chris Walls
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

* (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.)*

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
				Base Salt	1,684'
				Delaware	1,886'
				Bone Spring	5,393'
				Wolfcamp	8,604'
				Cisco-Canyon	10,301'
				Strawn	10,601'
				Atoka	10,800'
				Morrow	11,394'

32. Additional remarks (include plugging procedure):

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)* Brett Jennings Title Regulatory Analyst

Signature Brett Jennings Date September 29, 2009

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.