

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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

CONFIDENTIALITY REQUESTED
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 Add Wolfcamp Lateral

2 Name of Operator
Cimarex Energy Co. of Colorado

3 Address
600 N. Marienfeld St., Ste. 600; Midland, TX 79701

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

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

At surface 1250 FSL & 760 FEL

At top prod interval reported below 1250 FSL & 760 FEL

At total depth 1555/5' & 2611 FSL & 605 FSL

RECEIVED
JUL 15 2011
NMOCD ARTESIA

96890
SAGE DRAW, WVC, EAST (545)

10 Field and Pool, or Field/Lottery

11 Sec, T, R, M, on Block and
Survey or Area
22-25S-26E

12 County or Parish
Eddy

13 State
NM

14 Date Spudded
09.20.08

15 Date T.D Reached
12.07.08

16 Date Completed
☐ D & A ☒ Ready to Prod

17 Elevations (DF, RKB, RT, GL)*
3289' GL

18. Total Depth. MD 13468'
Pilot Hole 10161' TVD 9450'

19 Plug Back TD MD 13365'
Pilot Hole 9383' TVD 9450'

20. Depth Bridge Plug Set

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

22 Was well cored? ☒ No ☐ Yes (Submit analysis)

Was DST run? ☒ No ☐ Yes (Submit report)

Directional Survey ☐ No ☒ Yes (Submit copy)

Sonic Array, Borehole Plot, DLL MG, DSN SGR

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
17 1/2"	13 3/4" H-40	48	0'	255'		287 sx class C		0'	
12 1/4"	9 5/8" J-55	40	0'	1785'		560 sx class C		0'	
8 3/4"	7" P-110	26	0'	10160'		1200 sx class H		0'	
6 1/2"	4 1/2" P-110	11.6	9150'	13388'		414 sx class H		8650' est.	

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 7/8"	9101'	9094'						

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) Wolfcamp	9150'	13388'	Please see attachment			
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
	Please see attachment

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
01.18.10	01.23.10	24	→	28	4752	970	56.1	0.995	Flowing
Choke Size	Tbg Press Flwg	Csg Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio		Well Status
20/64	SI 3100 SI 2650	1550	→				169,714	Producing	

ACCEPTED FOR RECORD

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		→						

MAY 5 2010
s/ Myles Kristof
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

K2

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
				Top Salt	1031'
				Base Salt	1633'
				Delaware	1834'
				Cherry Canyon	2816'
				Bone Spring	5366'
				Wolfcamp	8568'

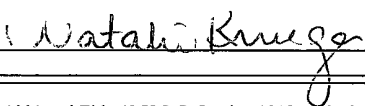
32. Additional remarks (include plugging procedure):

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. Liner Drawing, Frac Job, Deviation/well path

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

Signature  Date April 19, 2010

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

Acid, Fracture, Treatment, Cement Squeeze, etc. Attachment
Cottonwood Draw 22 Federal Com 1
 22-25S-26E
 Eddy County, NM

Depth Interval	Amount and Type of Material Used
Stage 1 13134-13350'	Pumped 1000 gal 15% HCL acid & 4000 gal 6% HCL-1.5% HF acid. Frac 13134-13350' with 436699 gals SW, 24347# 100 mesh white sand, 151817# 30/50# white sand.
Stage 2 12749-13052'	Pump 1000 gal 15% HCL acid & 4000 gal 6% HCL-1.5% HF acid. Frac 12749-13052' with 567476 gals SW, 38419# 100 mesh white sand, 244989# 30/50# white sand.
Stage 3 12349-12652'	Pump 1000 gal 15% HCL acid & 4000 gal 6% HCL-1.5% HF acid. Frac 12349-12652' with 873281 gal SW, 30417# 100 mesh white sand, 429257# 30/50# white sand.
Stage 4 11949-12252'	Pump 1000 gal 15% HCL acid & 4000 gal 6% HCL-1.5% HF acid. Frac 11949-12252' with 461476 gal SW, 50230# 100 mesh white sand, 148196# 30/50# white sand.
Stage 5 11461-11839'	Pump 1000 gal 15% HCL acid & 4000 gal 6% HCL-1.5% HF acid. Frac 11461-11839' with 769809 gal SW, 52159# 100 mesh white sand, 244725# 30/50# white sand.
Stage 6 11136-11364'	Pump 1000 gal 15% HCL acid & 4000 gal 6% HCL-1.5% HF acid. Frac 11136-11364' with 632331 gal SW, 25553# 100 mesh white sand, 292519# 30/50# white sand.
Stage 7 10880-11070'	Pump 1000 gal 15% HCL acid & 4000 gal 6% HCL-1.5% HF acid. Frac 10880-111070' with 317548 gal SW, 26833# 100 mesh white sand, 108030# 30/50# white sand.
Stage 8 10641-10835'	Pump 1000gal 15% HCL acid & 4000 gal of 6% HCL-1.5% HF acid. Frac 10641-10841' with 629756 gal SW, 39790# 100 mesh white sand, 317108# 30/50# white sand.
Stage 9 10061-10439'	Pump 1000 gal 15% HCL acid & 4000 gal 6% HCL-1.5% HF acid. Frac 10061-10439' with 681662 gal SW, 37332# 100 mesh white sand, 458125# of 30/50# white sand.
Stage 10 9550'-9938'	Pump 4000 gal 15% HCL acid & 4000 gal 6% HCL-1.5% HF acid. Frac 9550-9938' with 882965 gal SW, 68052# 100 mesh white sand, 506497# 30/50# white sand.