

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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

160-4
JUN 18 2010
RECEIVED
NMCD ARTESIA

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 RC to Cisco Canyon as part of Cisco Canyon/Wolfcamp DHC

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 725 FSL & 1750 FEL

At top prod interval reported below 727 FSL & 1727 FEL

At total depth 1138 FSL & 1693 FEL



5. Lease Serial No.
NM-26103

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
NM-72243

8. Lease Name and Well No.
Federal 13 Com No. 3

9. API Well No.
30-015-3375 33785

10. Field and Pool, or Exploratory
White City; Penn (G) & Sage Draw, Wolfcamp, E

11. Sec, T, R, M, on Block and
Survey or Area
13-25S-26E

12. County or Parish
Eddy

13. State
NM

14. Date Spudded
02.08.05

15. Date T D Reached
03.11.05

16. Date Completed 12.20.09
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
3220' GR

18. Total Depth MD 12232'
TVD 12184'

19. Plug Back TD MD 11055'
TVD 11031'

20. Depth Bridge Plug Set 11100'

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)

Logs run on initial completion

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
17 1/2"	13 3/4" J55	54.5#	0'	222'		225 sx PremPlus		0' circ	
12 1/2"	9 5/8" NS-110	40#	0'	1935'		650 sx IntC/PremPlus		0' circ	
8 1/2"	7" P-110	23#	0'	9015'		1060 sx IntH/SupH/IntC/Prem		0' circ	
6 1/2"	4 1/2" P-110	11.6#	0'	12243'		460 sx PB SupH		5640'	

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 3/8"	9147'	9,147'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) Cisco Canyon	10120'	10310'	10162-10383	3 3/4" guns	201	Open
B) Wolfcamp	8562'	10120'	9213-9730	3 3/4" guns	180	Open
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
10269-10383	6398 gal acid, 4242 gal 6% HCL-1.5% HF acid, 196,217 gal slickwater containing 83829# 30/50 sand and 16047# 100 mesh sand
10162-10241	3780 gal 15% HCL, 4074 gal 6% HCL-1.5% HF, 167832 gal slickwater containing 9400# 100 mesh sand, and 68401# 30/50 sand
9726-9801	1806 gal 15% HCL, 3360 gal 6% 1.5% HF acid, 185522 gal slickwater containing 11910# 100 mesh sand, and 73318# 30/50 sand
9574-9681	2352 gal spearhead 15% HCL, 4494 gal 6% HCL-1.5% HF acid, 210714 gal slickwater containing 15064 100 mesh sand, 100214# 30/50 sand
9213-9528	1890 gal 15% HCL spearhead, 3990 gal 6% HCL-1.5% HF acid, 214,242 gal slickwater, 16745# 100 mesh sand, 84409# 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
12.20.09	01.14.10	24	→	32	399	86	57.1	0.995	Flowing
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL		Water BBL	Gas/Oil Ratio	Well Status	
19/64	SI 1000	1160	→				12469	Producing (DHC with Wolfcamp)	

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
12.20.09	01.14.10	24	→	4	811	233	57.1	0.995	Flowing
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
19/64	SI 1000	1160	→				202750	Producing (DHC with Cisco)	

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

ACCEPTED FOR RECORD
JUN 15 2010
/s/ Chris Walls
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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
				Bone Spring	5,100'
				Wolfcamp	8,562'
				Cisco Canyon	10,120'
				Strawn	10,310'
				Atoka	10,532'
				Morrow	11,190'

32. Additional remarks (include plugging procedure):
DHC Allocation Percentages:

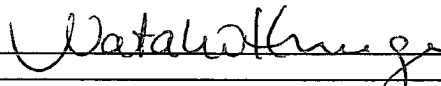
	Oil	Gas	Water
Cisco/Canyon	88%	33%	27%
Wolfcamp	12%	67%	73%

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

Signature  Date May 28, 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