

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name							
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr.		7. Unit or CA Agreement Name and No							
2. Name of Operator Cimarex Energy Co. of Colorado		8. Lease Name and Well No. Pintail 23 Federal No. 4							
3. Address 600 N. Marienfeld St., Ste. 600; Midland, TX 79701		9. API Well No. 30-015-36717							
4. Location of Well (Report Location clearly and in accordance with Federal requirements)*  At surface 2600 FSL & 1980 FWL  At top prod. interval reported below 2600 FSL & 1980 FWL  At total depth 402 FSL & 1659 FWL		10. Field and Pool, or Exploratory Cottonwood Draw; Delaware <sup>North</sup> Wildcat							
14. Date Spudded 06.21.09		15. Date T.D. Reached 07.01.09							
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		17. Elevations (DF, RKB, RT, GL)* 3282' GR							
18. Total Depth. MD 5200' TVD 2997'		19. Plug Back TD MD 5200' TVD 2997'							
20. Depth Bridge Plug Set MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Compensated Neutron/Photo Density/Gamma Ray; Dual Laterolog/Micro Laterolog/Gamma Ray							
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey <input type="checkbox"/> No <input checked="" type="checkbox"/> 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
12 1/4"	8 1/2"	24	0'	427'		300 sx Cl C		0'	
7 7/8"	5 1/2"	17	0'	2740'		460 sx Cl C		0'	
4 3/4"	2 1/4"	6.5	2645'	5200'		No cmt, PEAK liner			
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"	2607'								
25. Producing Intervals									
Formation	Top	Bottom	Perforation Interval	Size	No Holes	Perf. Status			
A) Cherry Canyon (Delaware)	2,842'	TD	no perms...frac'd through PEAK liner						
B)									
C)									
D)									
26. Perforation Record									
27. Acid, Fracture, Treatment, Cement Squeeze, etc									
Depth Interval	Amount and Type of Material								
4501-4832'	29.4 bbl 20# linear gel, 18.9 bbl 20# Borate x-linked pad, 84.6 bbl 20# Borate x-link carrying 6056# 16/30 sand								
4167-4501'	128.3 bbl 20# Borate x-linked pad, 283.9 bbl 20# Borate carrying 19,798# 16/30 sand								
3833-4167'	38.9 bbl 20# linear gel, 41.1 bbl 20# Borate xlinked pad, 62.6 bbl 20# Borate x-link carrying 4756# 16/30 sand								
3499-3833'	29 bbl 20# Borate x-linked pad, 75.5 bbl 20# Borate x-link carrying 5583# 16/30 sand								
3165-3499'	21.7 bbl 20# Borate x-linked pad, 49.2 bbl 20# Borate x-link carrying 4418# 16/30 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	Production Method
08.05.09	09.02.09	24	→	53	44	269	45.2	btu 1.0	Pumping
Choke Size	Tbg Press Flwg	Csg. Press.	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
WO	SI 0	80	→				830	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	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)

ACCEPTED FOR RECORD  
OCT 22 2009  
Is/ Chris Walls  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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	1046'
				Base Salt	1667'
				Delaware	1866'
				Cherry Canyon	2842'

32. Additional remarks (include plugging procedure):

07-28-09 Installed rod pump: 25 - 200 - RWAC - 20 - 3 - 00 Eunice pump.

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: PEAK Systems Drawing, Deviation Report, C-102

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 Natalie Krueger Date October 14, 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