

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

COPY

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		5. Lease Serial No. NM-4314							
b. Type of Completion: <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input checked="" type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff Resvr. Other <u>DHC-3883 Bone Spring &amp; Wolfcamp</u>		6. If Indian, Allottee or Tribe Name							
2. Name of Operator Cimarex Energy Co of Colorado		7. Unit or CA Agreement Name and No							
3. Address PO Box 140907; Irving, TX 75014		8. Lease Name and Well No Pipeline Deep 5 Federal No 3							
3a. Phone No (include area code) 972-443-6489		9. API Well No. 30-025-37196							
4. Location of Well (Report Location clearly and in accordance with Federal requirements) At surface 1650' FNL & 1340' FEL At top prod interval reported below 1650' FNL & 1340' FEL At total depth 1650' FNL & 1340' FEL		10. Field and Pool, or Exploratory E-K, Bone Spring & La Rica; Wolfcamp							
14. Date Spudded 11 12.05		11. Sec, T, R, M, on Block and Survey or Area 5-19S-34E							
15. Date T D Reached 12.25 05		12. County or Parish Eddy							
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		13. State NM							
18. Total Depth MD 13742' TVD		17. Elevations (DF, RKB, RT, GL)* 3869' GR							
19. Plug Back TD MD 13100' TVD		20. Depth Bridge Plug Set. MD 13135' TVD							
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  Previously submitted for Morrow completion		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 checked="" type="checkbox"/> No <input 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
17-1/2"	13-3/8" H-40	48	0	432'	NA	410 sx Prem Plus	14 8 ppg	0'	
12-1/4"	9-5/8" J-55	40	0	3518'	NA	1200 sx C/Prem Plus C	11 9 ppg	0'	
8-3/4"	5-1/2" P-110	17	0	13742'	9828'	2155 sx Int H, Sup H, Prem H	11 9 ppg	1250'	
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"	9736'								
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status			
A) Wolfcamp	10708'	12186'	11361'-11378'	3-1/8"	51	Producing			
B) Bone Spring	7845'	10707'	9692'-9925'	3-3/8"	84	Producing			
C)			13158'-13550'				CIBP @ 13135' w 35' cement		
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc									
Depth Interval	Amount and Type of Material								
11361'-11378'	4000 gal 15% NeFe acid w/ 45 RCNBs								
9911'-9925'	1500 gal 15% NeFe acid w/ 40 RCNBs								
9692'-9735'	800 gal 15% NeFe acid w/ 20 RCNBs								
9692'-9735'	1396 bbl Medallion 3000 fluid and 81000# Versaprop 18/40 and 20210# Super DC 16/30								
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 19.07	03.19.07	24	→	10	3	10			swab test
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→				300	Pumping as of 04-19-07	
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
04.19.07	04.20.07	24	→	65	69	99			swab test
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→				1061	Pumping as of 04-19-07	

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

2A Quail Ridge Morrow North (Gas)  
KOS

## 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.*)

Vented till 05-05-07, then 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
				Yates	3240
				7 Rivers	3760
				Queen	4479
				Capitan	5108
				Cherry Canyon	5321
				Brushy Canyon	6371
				Bone Spring	7845
				FBSS	9134
				SBSS	9688
				TBSS	10519
				Wolfcamp	10708
				Strawn	12187
				Atoka	12474
				Morrow Clastics	13084
				Lower Morrow	13450
				Barnett	13566

32. Additional remarks (include plugging procedure):

DHC-3883 for La Rica; Wolfcamp (37316) and E-K; Bone Spring (21650) approved 05-07-07.

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: C-102s for each producing zone

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 Reg Analyst I

Signature *Natalie Krueger* Date May 11, 2007

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