

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 Other										7 Unit or CA Agreement Name and No	
2 Name of Operator Cimarex Energy Co. of Colorado										8 Lease Name and Well No Irwin 13 Fed. No. 1	
3 Address 600 N. Marienfeld, Ste. 600, Midland, TX 79701					3a Phone No (include area code) 432-571-7800					9 API Well No 30-015-37715	
4 Location of Well (Report Location clearly and in accordance with Federal requirements)*  At surface 1300' FSL & 330' FEL  At top prod interval reported below 1143' FSL & 412' FEL  At total depth 330' FNL & 668' FEL										10 Field and Pool, or Exploratory Hackberry; Bone Spring, NW 297020	
14 Date Spudded 06.19.10		15 Date T D Reached 07.17.10			16 Date Completed ## <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod			17 Elevations (DF, RKB, RT, GL)* Gr 3408'			
18 Total Depth MD 12,350' TVD 8698'		19 Plug Back TD MD TVD			20 Depth Bridge Plug Set MD TVD						
21 Type Electric & Other Mechanical Logs Run (Submit copy of each)  GR/IB/CCL/GR SDL-DLL-MGRD DSN-GR										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		
17-1/2"	13-3/8"H-40	48#	0	500'		520sx Cl C		CIR			
12-1/4"	9-5/8"J-55	40#	0	3187'		415sx Cl C		CIR			
8-3/4"	7" P-110	26#	0	8390'		1275sx Cl H		CIR			
6-1/8"	4-1/2" P-110	11 6	8392'	12,350'		445sx Cl C					
6125 per operator 11/8/10 R6H											
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"	8089'	8025' (sub-pmp)									
25 Producing Intervals										26 Perforation Record	
Formation		Top	Bottom	Perforated Interval		Size	No Holes	Perf Status			
A) 2nd Bone Spring		8600'TVD		8808'-9383'		0.42	40	Open			
B)				9533'-10,108		0.42	40	Open			
C)				10,258'-10,833'		0.42	40	Open			
D)				10983'-11,558'		0.42	40	Open			
27 Acid, Fracture, Treatment, Cement Squeeze, etc											
Depth Interval		Amount and Type of Material									
11,708'-11,558'		Frac w/181,062 gals carrying 202,081# 20/40 White sand. 8808'-9383' - Frac w/140,957 gals carrying 201,135# 20/40 White sand									
10,983'-11,558'		Frac w/145,412 gals carrying 230,933# 20/40 White sand									
10,258'-10,833'		Frac w/147,988 gals carrying 198,616# 20/40 White sand.									
9533'-10,108'		Frac w/147,672 gals carrying 205,643# 20/40 White 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		
09.16.10	09.28.10	24	→	530	890	843	43.3	1.356	Pumping		
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
.31250	300	160	→					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			
			→								

\* (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)	31. Formation (Log) Markers
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	

Formation	Top	Bottom	Descriptions, Contents, etc	Name	Top Meas Depth
				Brushy Canyon Bone Spring 2nd Bone Spring 3rd Bone Spring	6035' 6340' 8672' 8914'

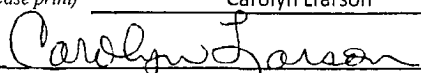
32 Additional remarks (include plugging procedure)  
No. 26 11,708' - 12,285' .42 40 holes

33 Indicate which items have been attached by placing a check in the appropriate boxes

<input checked="" type="checkbox"/> Electrical/Mechanical Logs (1 full set req'd)	<input type="checkbox"/> Geologic Report	<input type="checkbox"/> DST Report	<input checked="" type="checkbox"/> Directional Survey
<input type="checkbox"/> Sundry Notice for plugging and cement verification	<input type="checkbox"/> Core Analysis	<input checked="" type="checkbox"/> Other. Deviation survey	

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) Carolyn Lfaron Title Regulatory Analyst

Signature  Date October 14, 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