

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

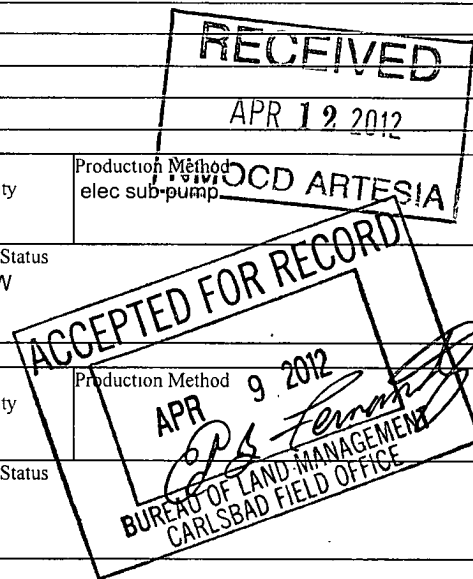
OCD-ARTESIA

FORM APPROVED
OMB NO 1004-0137
Expires October 31, 2014

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 NMNM95630	
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 _____						6 If Indian, Allottee or Tribe Name	
2 Name of Operator Cimarex Energy Co. Contact: Terri Stathem; tstathem@cimarex.com						7 Unit or CA Agreement Name and No	
3 Address 600 N Marienfeld, Ste 600, Midland, Tx 79701				3a Phone No (include area code) 432-620-1936		8 Lease Name and Well No. Cave Lake 13 Federal Com #4	
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NENE 660'FNL & 150' FEL At top prod. interval reported below NENE 725 FNL & 330' FEL At total depth NWNW 1003' FNL 392' FWL						9 API Well No 30015-39593	
14 Date Spudded 11/11/2011		15 Date T D Reached 12/21/2011		16 Date Completed 01/27/2012 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		10 Field and Pool or Exploratory Crow Flat Wolfcamp	
18 Total Depth MD 11378 TVD 6622		19 Plug Back T D MD 11378 TVD		20 Depth Bridge Plug Set MD TVD		11 Sec, T, R, M, on Block and Survey or Area 13 16S 28E	
21 Type Electric & Other Mechanical Logs Run (Submit copy of each)						12 County or Parish Eddy	
						13 State NM	
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)						17 Elevations (DF, RKB, RT, GL)* 3587 GL	
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)
17.5	13.375 J55	48	0	370		440	
8.75	7.000 P110	26	0	6479		1690	
6.125	4.500 P110	11.6	6216	11213		0	NA
24 Tubing Record							
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)
2.875	6159						
25 Producing Intervals				26 Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status	
A) Wolfcamp	6793	11165	11162-11165		port sleeve	Peak Pkr System - Open	
B)			10746-10750		port sleeve	Peak Pkr System - Open	
C)			10255-10259		port sleeve	Peak Pkr System - Open	
D)			9807-9811		port sleeve	Peak Pkr System - Open	
27 Acid, Fracture, Treatment, Cement Squeeze, etc							
Depth Interval		Amount and Type of Material					
11162-11165		172857 gals total fluid; 150000# sd					
10746-10750		161280 gals total fluid; 130000# sd					
10255-10259		179700 gals total fluid; 140000# sd					
9807-9811		181972 gals total fluid; 150000# sd					
28 Production - Interval A							
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API
01/29/12	2/19/12	24	→	175	265	429	39.7
Choke Size	Tbg. Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio
	50	55	→				1514
28a. Production - Interval B							
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API
			→				
Choke Size	Tbg. Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio
			→				

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



See Comments Box 32

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 (Solid, 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 OF SALT	370
				YATES	568
				SEVEN RIVERS	807
				SAN ANDRES	2077
				GLORIETA	3232
				TUBB	4804
				ABO WOLFCAMP	5568 6921

32 Additional remarks (include plugging procedure)

ADDITIONAL PORT SLEEVES:

9231-9235' PEAK PKR SYSTEM - OPEN
 8745-8749' PEAK PKR SYSTEM - OPEN
 8256-8259' PEAK PKR SYSTEM - OPEN
 7723-7727' PEAK PKR SYSTEM - OPEN
 7283-7287' PEAK PKR SYSTEM - OPEN
 6793-6797' PEAK PKR SYSTEM - OPEN

FRAC INFO

180842 GALS TOTAL FLUID; 150000# SD
 151192 GALS TOTAL FLUID; 100000# SD
 178953 GALS TOTAL FLUID; 150000# SD
 171889 GALS TOTAL FLUID; 150000# SD
 177029 GALS TOTAL FLUID; 150000# SD
 176067 GALS TOTAL FLUID; 150000# SD

AMENDED COMPLETION SUBMITTED 02/21/2012. REVISED COMPLETION PER CONVERSATION WITH ED FERNANDEZ.

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) TERRI STATHAM

Title REGULATORY

Signature

Date 04/05/2012

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

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