

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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

R.W.

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-14124							
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 of Colorado		7 Unit or CA Agreement Name and No							
3 Address 600 N. Marienfeld St., Ste. 600; Midland, TX 79701		8 Lease Name and Well No Marquardt Federal No. 9							
3a Phone No (include area code) 432-571-7800		9 API Well No 30-015-36655							
4 Location of Well (Report Location clearly and in accordance with Federal requirements)* At surface 2640 FSL & 660 FWL At top prod interval reported below 2586 FSL & 659 FWL At total depth 341 FSL & 561 FWL		10 Field and Pool, or Exploratory Sulphate, Delaware, SW ✓ 57845 11 Sec, T, R, M, on Block and Survey or Area 12-25S-26E 12 County or Parish Eddy 13 State NM							
14 Date Spudded 08.14.09		15 Date TD Reached Pilot Hole 08-19-09 Lateral 08-27-09							
16 Date Completed 09.21.09 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		17 Elevations (DF, RKB, RT, GL)* 3321' GR							
18 Total Depth MD 5270' TVD 2093'		19 Plug Back TD MD 5290' TVD 2093'							
20 Depth Bridge Plug Set		21 Type Electric & Other Mechanical Logs Run (Submit copy of each) Borehole profile, Dual Laterolog, Compensated Neutron, Compensated Sonic							
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 1/2"	8 1/2 J-55	24	0'	434'		350 sx CI C		0'	
7 1/2"	5 1/2 J-55	17	0'	2819'		650 sx POZ C, CI C		0'	
7 1/2"	2 1/2 U	2.18	2819'	3494'		No cement			
4 1/2"	2 1/2 UFX	6.3	2682'	3218'		No cement			
4 1/2"	2 1/2 EUE	6.4	3540'	5100'		No cement			
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 1/2"	2606'								
25 Producing Intervals				26 Perforation Record					
Formation		Top	Bottom	Perforated Interval		Size	No Holes	Perf Status	
A) Delaware		3544'	5100'						
B)									
C)									
D)									
27 Acid, Fracture, Treatment, Cement Squeeze, etc									
Depth Interval		Amount and Type of Material							
4744-5100		5034# TG 16/30 Sand, drop 1 1/2" ball							
4350-4744		5806# TG 16/30 Sand							
4191-4549		5219# TG 16/30 Sand, drop 2" ball							
3868-4191		3456# TG 16/30 Sand, drop 2 1/2" ball							
2682-3868		5705# TG 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 (BTU)	Production Method
09.21.09	10.19.09	24	→	36	27	156	43.7	0.995	Pumping
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate →	Oil BBL		Water BBL	Gas/Oil Ratio	Well Status	
open	SI 800	50	→				750	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)

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ACCEPTED FOR RECORD
FEB 21 2010
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
				T. Salt	1192'
				B. Salt	1746'
				Delaware	1952'
				Cherry Canyon	2964'

32 Additional remarks (include plugging procedure)

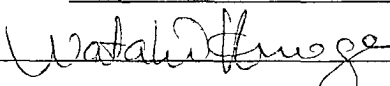
09.20.09 Installed 2" x 2½" x 20' RHBC rod pump.

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:

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 February 9, 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