



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESLA

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No
NM-0560352- LC062085

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 West Shugart 31 Federal Com No. 3	
3.	Address 600 N. Marienfeld St., Ste. 600; Midland, TX 79701				3a. Phone No (include area code) 432-571-7800	9.	API Well No 30-015-37350	
4.	Location of Well (Report Location clearly and in accordance with Federal requirements)					10	Field and Pool, or Exploratory Shugart; Bone Spring, North	
	At surface	660 FNL & 280 FWL				11.	Sec., T., R., M , on Block and Survey or Area 31-18S-31E	
	At top prod. interval reported below	682 FNL & 313 FWL				12	County or Parish Eddy	
	At total depth	808 FNL & 534 FEL				13	State NM	
14	Date Spudded 11.03.09	15. Date T.D. Reached 12.05.09	16. Date Completed 12.25.09	<input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		17	Elevations (DF, RKB, RT, GL)* 3555' GR	

18	Total Depth.	MD	13344'	19. Plug Back TD:	MD	13344'	20	Depth Bridge Plug Set	MD	
	(in horizontal section)	TVD	8780'	(in vertical section)	TVD	8780'			TVD	
21	Type Electric & Other Mechanical Logs Run (Submit copy of each)						22	Was well cored?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes (Submit analysis)
	No logs run							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 Cement Depth	No of Sks. & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17½"	13⅝" H-40	48#	0'	575'		500 sx ExtendacemCZ/HalcemC		0'	
12¼"	9⅝" J-55	40#	0'	3199'		1215 sx Econocem/HalcemC		0'	
8¾"	7" P-110	26#	0'	8470'		965 sx Econocem-HLH/HalcemH		10'	
6⅞"	4½" P-110	11.6# BTC	8354'	9100'		No cmt, PEAK liner			
6⅞"	4½" P-110	11.6# LTC	9100'	13204'		No cmt, PEAK liner			
* horizontal section									

24 Tubing Record								
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
27/8"	8226'							

25	Producing Intervals			26. Perforation Record			
	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	Bone Spring	9109'	13344'	No perms, frac'd through PEAK completion liner			
B)							
C)							
D)							


27	Acid, Fracture, Treatment, Cement Squeeze, etc.	
	Depth Interval	Amount and Type of Material
		<i>Please see attachment</i>

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 <i>btu</i>	Production Method
12.25.09	01.23.10	24	→	198	344	130	38.7	1.254	Pumping
Choke Size	Tbg. Press Flwg 260 SI 50	Csg. Press. 80	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	<div>Well Status</div> <div>Producing</div> <div>ACCEPTED FOR RECORD</div>	
26/64							1.737		

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 SI	Csg Press.	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	<div style="border: 1px solid black; padding: 5px; text-align: center;"> JUN 22 2010 /s/ Chris Walls BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE </div>

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

2) Please Provide Formation Tops



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
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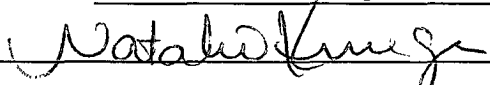
Formation	Top	Bottom	Descriptions, Contents, etc	Name	Top
					Meas. Depth

32. Additional remarks (include plugging procedure)

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 May 28, 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