## Form 3160-4 **OCD-ARTESIA** (April 2004) UNITED STATES DEPARTMENT OF THE INTERIOR FORM APPROVED BUREAU OF LAND MANAGEMENT OMB NO. 1004-0137 Expires March 31, 2007 WELL COMPLETION OR RECOMPLETION REPORT AND LOG Lease Serial No. LC-060524 Type of Well X Oil Well Other If Indian, Allottee or Tribe Name 1a. Gas Well Dry b. Type of Completion: X New Well Work Over Deepen Plug Back Diff. Resvr. Other Unit or CA Agreement Name and No. Name of Operator Cimarex Energy Co. of Colorado Lease Name and Well No. Vega 9 Federal No. 4 API Well No. 3. Address 3a. Phone No. (include area code) 600 N. Marienfeld St., Ste. 400; Midland, TX 79701 30-015-36714 432-571-7800 Location of Well (Report Location clearly and in accordance with Federal requirements)\* Field and Pool, or Exploratory Loco Hills; Glorieta-Yeso At surface 990 FNL & 330 FWL 11. Sec., T., R., M., on Block and Survey or Area At top prod. interval reported below 9-17S-30E 12. County or Parish 13. State NMOCD ARTESIA Eddy NM At total depth 14. 16. Date Completed 17. Elevations (DF, RKB, RT, GL)\* Date Spudded 15. Date T.D. Reached D&A 02.12.10 02.19.10 X Ready to Prod. 3681' GR 56001 18. Total Depth: 19. Plug Back TD: 5454' Depth Bridge Plug Set: X No 22. Was well cored? Yes (Submit analysis) 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Was DST run? X No Yes (Submit report) SDL-DSN-DLL-MGRD-CSNG X No Yes (Submit copy) Directional Survey 23. Casing and Liner Record (Report all strings set in well) Stage Cementer No. of Sks. & Slurry Vol. Hole Size Size/Grade Wt. (#/ft.) Cement Top\* Amount Pulled Top (MD) Bottom (MD) Type of Cement (BBL) Depth 0 14¾ 42 O 444 11% 350 sx C, 29 sx Sacrete, 4 sx Portland 500 sx POZC, C 24 0' U, 11 1277 8% 7% 17 0, 5600 800 sx Litecrete/PVL 0' 5½ Tubing Record Depth Set (MD) Packer Depth (MD) Depth Set (MD) Depth Set (MD) Packer Depth (MD) Size Packer Depth (MD) Size Size 2%' 4464' 25. Producing Intervals Perforation Record Perforated Interval No. Holes Perf. Status Formation Bottom Size Top Blinebry 4800 5250 Blinebry 4800-5250' 0.41 50 Open A) B) Paddock 4400' 4650 Paddock 4400-4650 0.41 45 Open D) <u> ACCIENTEN FON DECOND</u> Acid, Fracture, Treatment, Cement Squeeze, etc Amount and Type of Material Depth Interval 912786 gal slickwater + 30997# 100 mesh sand + 305837# 40/70 white sand 4800-52501 4400-4650 1270580 gal slickwater + 42547# 100 mesh sand + 456760# 40/70 white sand AUG 22 2010 AU OF LAND MANAGEMENT 28. Production - Interval A Date First Test Date Hours Test Oil BBL Gas MCF Water Oil Gravity Corr. API Gas Gravit toametogad field office Produced Tested Production BBL (BTU) 04.06.10 04.11.10 24 15 6 532 37.6 1.370 Pumping Choke Tbg. Press. Csg. Press. 24 Hr. Oil BBL Gas MCF Water Gas/Oil Ratio Well Status Size Flwg. BBL. Rate 250

400

Gas/Oil Ratio

Oil Gravity Corr. API Gas Gravity

Water

BBI.

Water

Gas MCF

Gas MCF

Producing

Well Status

Production Method

390

Production - Interval B

Test Date

Tbg. Press.

Flwg.

80

Hours

Tested

Test

Rate

Csg. Press. 24 Hr.

Production

Oil BBL

Oil BBL

open

Date First

Produced

Choke

Size

28

<sup>\* (</sup>See instructions and spaces for additional data on page 2)

28b.	Prod	Production - Interval C											
Date First		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.	Prod	uction - Inter	val D				reado is introce in a		Was 18 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			AA A	
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	7	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.												
	Forma	ition	Тор	Bottom		Descriptions, Contents, etc.					Name	Top Meas. Depth	
										Glorieta 4321 Blinebry 4892		4321' 4892'	
											Tubb	5703'	
								;				·	
32.	Addi	tional remar	ks (include p	olugging proc	edure):					1441 TO			
	03.1	5.10 Inst	alled 2½" :	x 2" x 24' H	HBC Quini	n Frac pun	np.						
33.	Indic	cate which it	ems have bee	en attached b	y placing a c	heck in the	appropriate	e boxes:			er - a .	· <del></del>	
	=	X Electrical/Mechanical Logs (1 full set req'd.)  Geologic Report  DST									Directional Survey		
Sundry Notice for plugging and cement verification Core Analysis X Other C											clination report		
34.	I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*												
	Name (j	ame (please print) Natalie Krueger					Title			Regulatory			
	Signatu	re	atali	Men	eçe.		Date				August 2, 2010		
Title 18	USC	Section 1001	and Title 43	U.S.C. Section	n 1212 make	it a crime fo	or any nerso	n knowingly an	nd willfully		o any department or agency	of the United	

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.