

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FEB - 2 2009

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other						6. If Indian, Allottee or Tribe Name					
b. Type of Completion: <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input checked="" 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. Vern 1 Federal No. 1					
3. Address 5215 N. O'Connor Blvd., Ste. 1500; Irving, TX 75039				3a. Phone No. (include area code) 972-401-3111		9. API Well No. 30-015-34109					
4. Location of Well (Report Location clearly and in accordance with Federal requirements)* At surface 1600 FNL & 1200 FEL At top prod. interval reported below At total depth						10. Field and Pool, or Exploratory Chosa Draw; Upper Penn (Strawn)					
14. Date Spudded 07.19.05						15. Date T.D. Reached 09.02.05		16. Date Completed 01.08.09 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 3508' GR	
18. Total Depth MD 12180' TVD		19. Plug Back TD. MD 10370' TVD		20. Depth Bridge Plug Set. 10370'							
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Logs run on initial completion						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 checked="" type="checkbox"/> No <input 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" J-55	54.5#	0'	210'		465 sx		0'			
12 1/2"	9 5/8" N-80	40#	0'	1892'		880 sx		0'			
8 3/4"	5 1/2" P-110	17#	0'	121180'		2890 sx		2000'			
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 3/8"	10243'	10243'									
25. Producing Intervals					26. Perforation Record						
Formation		Top	Bottom	Perforated Interval		Size	No Holes	Perf. Status			
Strawn		10160'	10398'	11190' - 11465' (Morrow)			120	CIBP @ 11092' w/ 35' cmt			
A)				10860' - 10865' (Atoka)			30	CIBP @ 10800' w/ 20' cmt			
B)				10432' - 10436' (Atoka)			24	CIBP @ 10370' w/ 2 sx sand			
C)				10301' - 10321' (Strawn)		0.42	40	open			
D)											
27. Acid, Fracture, Treatment, Cement Squeeze, etc.											
Depth Interval		Amount and Type of Material									
10301' - 10321'		3000 gal 15% HCl & 60% Quality N ₂ , flush w/ 46 BW & N ₂									
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		
01.08.09	01.09.09	24	→	0	44	0		1.252	Flowing		
Choke Size	Tbg Press Flwg	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
16/64	SI 3100	2000	→					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)

ACCEPTED FOR RECORD

JAN 30 2009

WESLEY W. INGRAM
PETROLEUM ENGINEER

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
				Wolfcamp	8,392'
				Cisco-Canyon	9,856'
				Strawn	10,160'
				Atoka	10,398'
				Morrow	10,988'

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 AnalystSignature Natalie Krueger Date January 14, 2009

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.

DISTRICT I
1625 N. FRENCH DR., HOHES, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised JUNE 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-34109	Pool Code	Pool Name Chosa Draw; Upper Penn
Property Code	Property Name VERN 1 FEDERAL	Well Number 1
OGRID No. 162683	Operator Name Cimarex Energy Co. of Colorado	Elevation 3508'

Surface Location

UL or lot No. H	Section 1	Township 25-S	Range 25-E	Lot Idn	Feet from the 1600	North/South line NORTH	Feet from the 1200	East/West line EAST	County EDDY
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Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320.12		Joint or Infill	Consolidation Code	Order No.					

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>LOT 4 LOT 3 LOT 2 LOT 1</p> <p>3528.2' 3514.9'</p> <p>1600'</p> <p>600' 1200'</p> <p>3496.5' 3496.9'</p> <p>Vern 1 Federal No. 1</p> <p>GEODETIC COORDINATES NAD 27 NME Y=422618.2 N X=496636.3 E LAT.=32°09'42.82" N LONG.=104°20'39.13" W</p> <p>NM-112254</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Zeno Farris</i> Signature Zeno Farris Printed Name Mgr Operations Admin Title 01-15-09 Date</p> <p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same are true and correct to the best of my belief.</p> <p>FEBRUARY 26 2005</p> <p>Date Surveyed Signature & Seal of Professional Surveyor <i>Gary E. Edson</i> 05.11.0162 Certificate No. GARY EIDSON 12641</p>
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