

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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										5. Lease Serial No. NM-0441951-A	
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 PO Box 140907; Irving, TX 75014						3a. Phone No. (include area code) 972-443-6489		8. Lease Name and Well No. White City 31 Federal No. 4		9. API Well No. 30-015-35494	
4. Location of Well (Report Location clearly and in accordance with Federal requirements)* At surface 800' FSL & 1250' FEL At top prod interval reported below At total depth										10. Field and Pool, or Exploratory White City; Penn (GAS)	
<div style="position: relative; height: 100px;"> <div style="position: absolute; top: 0; right: 0; font-size: 2em; font-weight: bold; color: black;">JUL 30 2008</div> <div style="position: absolute; bottom: 0; left: 0; font-size: 1.5em; font-weight: bold; color: black;">OCD-ARTESIA</div> </div>										11. Sec., T, R., M., on Block and Survey or Area 31-24S-26E	
										12. County or Parish Eddy	
14. Date Spudded 02.23.08		15. Date T.D. Reached 03.30.08		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		17. Elevations (DF, RKB, RT, GL)* 3,409' GR					
18. Total Depth MD 12,080' TVD		19. Plug Back TD MD 12,012' TVD		20. Depth Bridge Plug Set MD TVD							
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) TDLD, BHCS, latero						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 3/4" H-40	48	0'	320'		540 sx PP C		0'			
12 1/4"	9 5/8" J-55	40	0'	2,250'		1110 sx IntC		0'			
7 7/8"	4 1/2" N-80	11.6	0'	12,080'		2160 sx IntH & PBSH			CBL 5500' (circulated 165 sx to surface)		
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"	10,372'	10,374'									
25. Producing Intervals						26. Perforation Record					
Formation		Top	Bottom	Perforated Interval		Size	No Holes	Perf. Status			
A) Atoka		10,434'	11,012'	10,462'-10,492'		0.42	90	Producing			
B) Morrow		11,012'	TD	11,217'-11,888'		0.42	162	Producing			
C)											
D)											
27. Acid, Fracture, Treatment, Cement Squeeze, etc.											
Depth Interval		Amount and Type of Material									
10,462'-10,492'		3000 gals 15% HCL NEFE Acid with 320 1.3 SG RCNBS. 116,000 gals 7% KCL Methonol carrying 154,120 # of Versaprop.									
11,217'-11,888'		61,000 gals 7% KCL Methonol carrying 93,500# of Versaprop.									
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		
05.01.08	06.26.08	24	→	3	2507	36	*NA see comments	1.0618	Flowing		
Choke Size	Tbg Press Flwg	Csg. Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
open	SI 650	150	→					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
 JUL 28 2008
 JERRY FANT
 PETROLEUM GEOLOGIST

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
				Delaware	1,616'
				Bone Spring	5,288'
				Bone Spring 1st SS	6,169'
				Bone Spring 1st SS	9,921'
				Bone Spring 1st SS	8,012'
				Wolfcamp	8,342'
				Cisco-Canyon	9,894'
				Strawn	10,193'
				Atoka	10,433'
				Morrow	11,012'

32. Additional remarks (include plugging procedure):

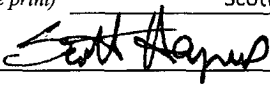
Oil was produced in such small quantities and has not been sold so that no gravity reading is currently available.

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*) Scott Haynes Title Regulatory Analyst

Signature  Date July 25, 2008

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
1025 N. French Dr., Hobbs, 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 87506

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 October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35494	Pool Code 87280	Pool Name White City; Penn (Gas)
Property Code	Property Name WHITE CITY "31" FEDERAL	Well Number 4
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3409'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	31	24 S	26 E		800	SOUTH	1250	EAST	EDDY

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 639.52	Joint or Infill Y	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>White City 31 Fed #3 1000'</p> <p>White City 31 Fed #2 1490'</p> <p>White City 31 Fed #1 1662'</p> <p>White City 31 Fed #4 3420.9', 3409.1', 3412.7', 3399.3', 1250'</p> <p>NM-0441951-A</p> <p>BHL</p> <p>SHL</p> <p>2498'</p> <p>2150'</p> <p>2591'</p> <p>1700'</p> <p>950'</p> <p>Lat - N32°10'07.1" Long - W104°19'39.8" NMSPCE - N 425085.375 E 543081.038 (NAD-83)</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, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p> Signature</p> <p>07-25-07 Date</p> <p>Scott Haynes Printed Name</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 is true and correct to the best of my belief.</p> <p>FEBRUARY 03, 2007 Date Surveyed</p> <p> Signature</p> <p>Professional Surveyor</p> <p>7977</p> <p>W. L. Jones</p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS</p>
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OPERATOR
WELL/LEASE
COUNTY

CIMAREX ENERGY CO.
WHITE CITY 31 FED. 4
EDDY

080-0059

STATE OF NEW MEXICO
DEVIATION REPORT

102	1.00	7,372	3.00
275	0.25	7,499	3.00
509	0.75	7,626	3.50
645	1.00	7,753	3.25
1,045	1.25	7,960	3.25
1,244	2.00	8,093	2.50
1,489	2.00	8,189	2.25
1,682	0.00	8,443	2.25
1,951	1.25	8,930	1.50
2,466	0.25	9,382	1.25
2,960	0.75	9,668	0.75
3,150	1.00	9,922	0.75
3,435	1.00	10,208	1.00
3,626	0.25	10,526	0.75
3,705	0.75	10,770	0.50
3,959	1.00	11,055	0.75
4,215	1.00	11,461	0.75
4,459	0.75	11,787	1.00
4,725	1.00	12,085	1.00
4,980	1.00		
5,159	1.00		
5,454	0.25		
5,646	1.00		
5,925	1.00		
5,987	4.00		
6,169	4.00		
6,261	3.50		
6,388	3.00		
6,547	3.00		
6,705	3.00		
6,864	2.25		
7,118	1.50		

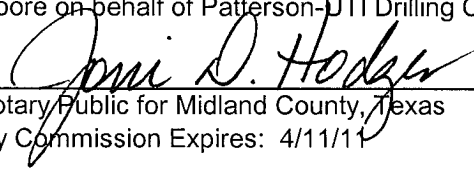
BY: 

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on
Moore on behalf of Patterson-UTL Drilling Company LLC.

April 8, 2008, by Steve


Notary Public for Midland County, Texas
My Commission Expires: 4/11/11

