

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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									
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										9. API Well No. 30-015-35494									
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		10. Field and Pool, or Exploratory White City; Penn (GAS)					
18. Total Depth. MD 12,080' TVD				19. Plug Back TD. MD 12,012' TVD				20. Depth Bridge Plug Set. MD TVD				11. Sec., T., R., M., on Block and Survey or Area 31-24S-26E		12. County or Parish Eddy		13. State NM			
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		10618		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)

JUL 30 2008
OCD-ARTESIAACCEPTED 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):

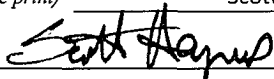
Oil was produced in such small quantities and has not been sold so that no gravity reading is currently available.

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
1625 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 33815	Property Name WHITE CITY "31" FEDERAL	Well Number 4
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3409'

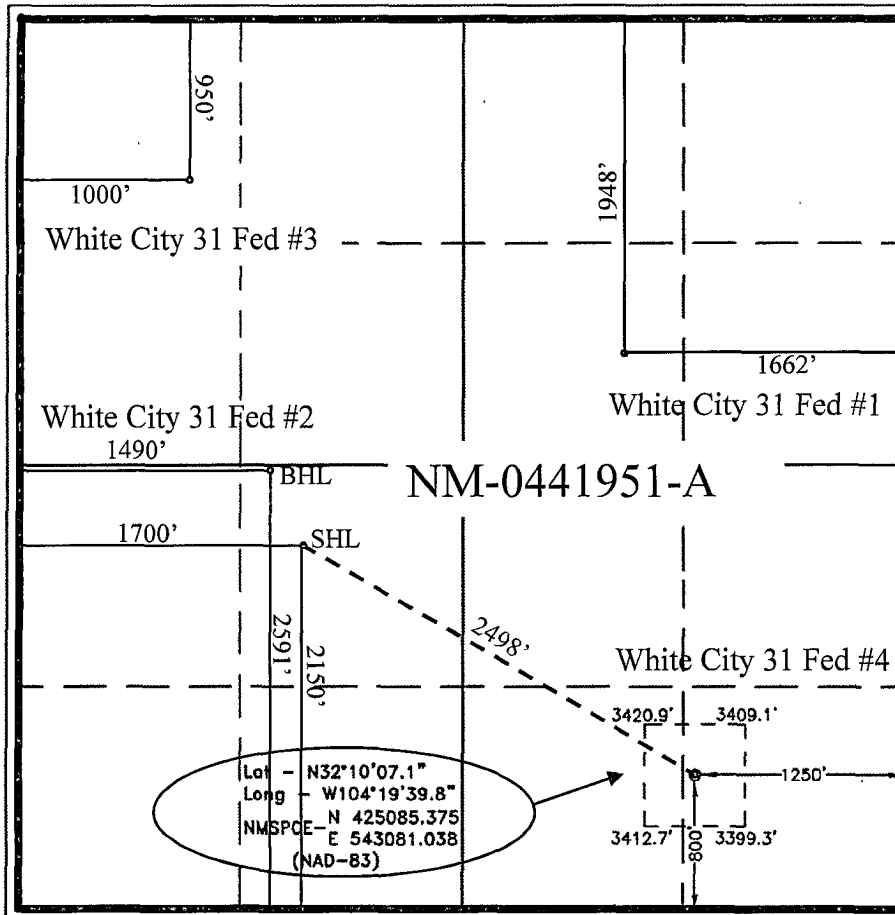
Surface Location

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



OPERATOR CERTIFICATION

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 undivided 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.

Scott Haynes 07-25-07
Signature Date

Scott Haynes
Printed Name

SURVEYOR CERTIFICATION

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.

FEBRUARY 03, 2007

Date Surveyed
Signature of Gary L. Jones
Professional Surveyor
7977

Certificate No. Gary L. Jones 7977

BASIN SURVEYS

OPERATOR CIMAREX ENERGY CO.
WELL/LEASE WHITE CITY 31 FED. 4
COUNTY 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		

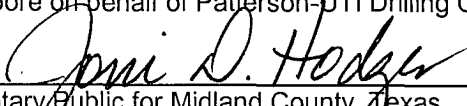
BY: 

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

