

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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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. LC-065457			
b. Type of Completion <input 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. JM Gates NCT-1 Federal No. 4			
4. Location of Well (Report Location clearly and in accordance with Federal requirements)* At surface 1000' FNL & 1700' FWL At top prod. interval reported below At total depth						9. API Well No. 30-015-34052 35461			
MAR 27 2008 OCD-ARTESIA						10. Field and Pool, or Exploratory Wildcat Wolfcamp Gas Block River, NW			
						11. Sec., T., R., M., on Block and Survey or Area 30-24S-26E			
12. County or Parish Eddy						13. State NM			
14. Date Spudded 04.25.07		15. Date T.D. Reached 05.19.07		16. Date Completed 12.08.07 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		17. Elevations (DF, RKB, RT, GL)* 3467' GR			
18. Total Depth. MD 12,000' TVD		19. Plug Back TD. MD 9,965' TVD		20. Depth Bridge Plug Set MD 10,000' TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Gamma ray, Porosity, Resistivity, Cement Bond				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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8" H-40	48#	0	308'		440 sx Prem Plus		0' circ	
12 1/4"	9 5/8" K-55	40#	0	2,400'		840 sx IntC/PremPI		0' circ	
8 3/4"	4 1/2" P-110	11.6#	0	12,000'	7,650'	900 sx IntC/PBSH		3070' CBL	
						1510 sx IntH			
						Remediated w/ 460 sx IntC		0' CBL	
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"	8,100'	8,100'							
25. Producing Intervals				26. Perforation Record					
Formation		Top	Bottom	Perforated Interval		Size	No Holes	Perf. Status	
A) Morrow		11,002'	11,638'	11508'-11547'		0.42"	139	SI w/ CBP @ 10000' w/ 35' cmt	
B) Wolfcamp		8,309'	9,867'	9740'-9750'		0.42"	60	Flowing	
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc									
Depth Interval		Amount and Type of Material							
11508'-11547'		100,000 gal 65Q Water Frac CMHPG w/ 97500# Versaprop							
9740'-9750'		1000 gal 7 1/2% NeFe Acid & 7% KCl flush							
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
12.08.07	01.04.08	24	→	0	402	0	NA	1.115	Flowing
Choke Size	Tbg Press Flwg	Csg Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
open	SI 280	900	→					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)

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	1,396'
				Bone Spring	5,249'
				Bone Spring 1st SS	6,200'
				Bone Spring 2nd SS	7,521'
				Bone Spring 3rd SS	8,009'
				Wolfcamp	8,309'
				Cisco-Canyon	9,868'
				Strawn	10,172'
				Atoka	10,422'
				Morrow	11,002'
				Lower Morrow	11,639'

32. Additional remarks (include plugging procedure):

Remediation of production casing cement

06-07-07 Tied on to 4½" x 9¾" and pressure 4½" casing to 2000 psi. Loaded 9¾" with 2 bbls fresh water and caught pressure. EIR with 10 bbls fresh water at 2 BPM with 890 psi. Pumped 150 sacks Interfill C - SBM (14210) with 0.125 lbm Poly-E-Flake (65 bbls cement slurry). Second stage 310 sacks Interfill C (135 bbls slurry).

06-13-07 Ran CBL - TOC 0.'

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 Analyst

Signature Natalie Krueger Date March 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., FORTS, NM 86240

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 30-015-34052-1	Pool Code 97693	Pool Name W. Black River, West Camp, NW
Property Code	Property Name J.M. GATES NCT-1 FEDERAL	Well Number 4
GRID No. 162683	Operator Name Cimarex Energy Co. of Colorado	Elevation 3467'

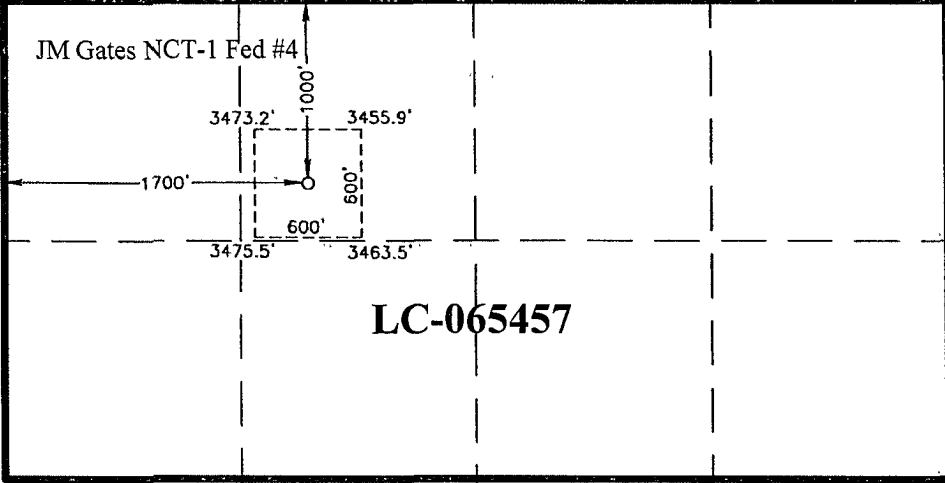
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	30	24-S	26-E		1000	NORTH	1700	WEST	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 320	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>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief</p> <p><u>Zeno Farris</u> Signature</p> <p>Zeno Farris Printed Name</p> <p>Mgr Operations Admin Title</p> <p>03-25-08 Date</p>
<p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=433803.9 N X=499522.3 E</p> <p>LAT.=32°11'33.52" N LONG.=104°20'05.56" W</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 18, 2005</p> <p>Date Surveyed Signature & Seal of Professional Surveyor GARY G. EIDSON DEL 05.14.0269 Certificate No. GARY EIDSON 12841</p>

OPERATOR
WELL/LEASE
COUNTY

CIMAREX ENERGY CO.
J M GATES FED. NCI-4
EDDY

080-0052

STATE OF NEW MEXICO
DEVIATION REPORT

258	1.00
557	1.00
742	2.00
960	3.00
1,202	3.00
1,404	4.00
1,487	4.00
1,710	2.00
1,875	1.00
1,997	1.00
2,400	1.75
2,553	1.00
2,922	1.00
3,375	1.00
3,965	1.00
4,483	1.00
4,884	1.00
5,388	1.00
5,872	1.00
6,501	1.00
7,044	1.00
7,519	1.00
7,931	2.00
8,182	2.00
8,530	1.00
8,895	1.00
9,449	1.00
9,700	1.00
10,206	1.00
10,607	1.00
10,993	1.00
11,444	1.00
11,876	2.00
12,000	2.00

BY: 

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on
June 11, 2007, by Steve
Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.


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

