

97346, 00692-01935

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

NOV 15 2010

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

NMOCD-ARTESIA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Lease Serial No.
NMNM15007

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
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			7. Unit or CA Agreement Name and No.		
2. Name of Operator CIMAREX ENERGY CO. OF COLORADO Contact: NATALIE E KRUEGER Email: nkrueger@cimarex.com			8. Lease Name and Well No. GLENWOOD 28 FEDERAL COM 004		
3. Address 600 N. MARIENFELD ST., STE. 600 MIDLAND, TX 79701			9. API Well No. 30-015-36327		
3a. Phone No. (include area code) Ph: 432-620-1936					
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NENE 760FNL 960FEL 32.89781 N Lat, 104.07437 W Lon At top prod interval reported below NENE 760FNL 960FEL 32.89781 N Lat, 104.07437 W Lon At total depth NENE 760FNL 960FEL 32.89781 N Lat, 104.07437 W Lon			10. Field and Pool, or Exploratory ABO/WOLFCAMP		
			11. Sec., T., R., M., or Block and Survey or Area Sec 28 T16S R29E Mer NMP		
			12. County or Parish EDDY		13. State NM
14. Date Spudded 05/19/2008		15. Date T.D. Reached 06/21/2008	16. Date Completed <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod. 01/01/2009		17. Elevations (DF, KB, RT, GL)* 3642 GL
18. Total Depth: MD 9830 TVD		19. Plug Back T.D.: MD 9395 TVD		20. Depth Bridge Plug Set: MD 9430 TVD	
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 analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)		

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
11.000	8.625 J55	32.0	0	2647		1060		0	
14.750	11.750 H40	42.0	0	4326		400		0	
7.875	5.500 P110	17.0	0	9830		1425		2400	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	7959							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	7802	7809	7802 TO 7808	0.420	28	OPEN
B) ABO	7104	7138	7104 TO 7138	0.420	136	OPEN
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7802 TO 7808	12 BBL 2% SLICKWATER, 179 BBL GELLED STALIVE 15% HCL ACID
7104 TO 7138	2500 GAL 15% NEFE

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	Production Method
01/01/2009	01/24/2009	24	→	0.0	0.0	0.0	42.9	1.27	FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 150 SI	Csg. Press. 45.0	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
OPEN							0	PGW	

28a. 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
01/01/2009	09/16/2010	24	→	3.0	3.0	17.0	42.9	1.27	FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 150 SI	Csg. Press. 45.0	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
OPEN							1000	PGW	

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #97346 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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.)
CAPTURED

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
				YATES SAN ANDRES GLORIETA TUBB ABO SHALE WOLFCAMP STRAWN	940 2455 3875 5170 5895 7228 9480

32. Additional remarks (include plugging procedure):
DHC Allocation:

Wolfcamp 0% oil 0% gas
Abo 100% oil 100% gas

02-03-09 Well was shut in. Uneconomical to produce.

DHC Authority under DHC-4135.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #97346 Verified by the BLM Well Information System.
For CIMAREX ENERGY CO. OF COLORADO, sent to the Carlsbad**

Name (please print) NATALIE E KRUEGER

Title REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 11/12/2010

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Additional data for transaction #97346 that would not fit on the form

32. Additional remarks, continued

1625 N. French Dr., Hobbs, NM 88240

DISTRICT II

1501 W. Grand Avenue, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Artec, 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 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 30-015-36327		Pool Code	Pool Name Wolfcamp Wildcat (Oil)
Property Code 37023	Property Name GLENWOOD "28" FEDERAL COM		Well Number 4
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO		Elevation 3642'

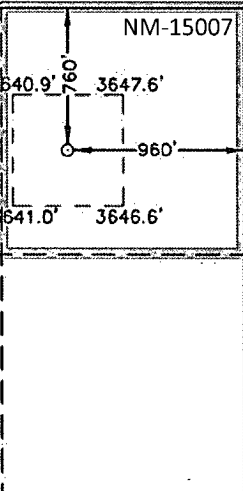
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	28	16 S	29 E		760	NORTH	960	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	Joint or Infill	Consolidation Code	Order No.						
40			DHC 4135						

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><u>SURFACE LOCATION</u> Lat - N32°53'52.10" Long - W104°04'27.74" NMSPCE- N 690459.760 E 620820.601 (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><i>Natalie Krueger</i> 11/12/2010 Signature Date</p> <p>Natalie Krueger Printed Name</p>
		<p></p>	<p></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>MARCH 24, 2008 Date Surveyed</p> <p>Gary L. Jones Signature & Seal Professional Surveyor</p> <p>7977 Certificate No. Gary L. Jones</p> <p>BASIN SURVEYS</p>

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 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2005

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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-36327	Pool Code 97197	Pool Name County Line Tank; Abo
Property Code 37023	Property Name GLENWOOD "28" FEDERAL COM	Well Number 4
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3642'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	28	16 S	29 E		760	NORTH	960	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 40	Joint or Infill	Consolidation Code	Order No. DHC 4135
-----------------------	-----------------	--------------------	-----------------------

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>SURFACE LOCATION Lat - N32°53'52.10" 3640.9' Long - W104°04'27.74" 3647.6' NMSPCE - N 690459.760 E 620820.601 (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><i>Natalie Krueger</i> 11/12/2010 Signature Date</p> <p>Natalie Krueger 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>MARCH 24, 2008 Date Surveyed</p> <p>GARY L. JONES Signature & Seal Professional Surveyor</p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS</p>