

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996



SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

JAN 05 2009

2. Name of Operator
Cimarex Energy Co. of Colorado

OCD-ARTESIA

3a. Address
PO Box 140907; Irving, TX 75014-0907

3b. Phone No. (include area code)
972-401-3111

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
760 FNL & 960 FEL
28-16S-29E

NM-15007

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

Pending

8. Well Name and No.

Glenwood 28 Fed Com No. 4

9. API Well No.

30-015-36327

10. Field and Pool, or Exploratory Area

Strawn Wildcat

11. County or Parish, State

Eddy County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other <u>Plug Strawn, Add Wolfcamp and Abo, DHC</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, included estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Well perfed in Strawn 9506'-9630' with a CIBP @ 9570' w/ 8' cmt. Producing perms @ 9506'-9562' since 07-30-08.

Cimarex proposes to plug the Strawn, add Wolfcamp and Abo, and DHC as shown below:

- POOH w/ rods. NU 5K BOP, release TAC, and POOH w/ tbg.
- Set CIBP @ 9450' and dump 35' cmt. *Set @ 9480 Top Strawn*
- Perf Wolfcamp 7800-06' 4 spf, 60° phasing. RIH w/ 2 1/2" tbg and retrievable packer w/ seating nipple above packer. Set packer @ 7750,' load hole w/ 2% KCl, and test packer to 1000 psi.
 - Acidize 7800-06' w/ 750 gal 15% HCl NeFe acid w/ ball sealers down tubing. Displace w/ 2% KCl water.
 - Flow or swab test test Wolfcamp zone.
- Release packer and POOH standing back tbg. Set RBP @ 7300.' Test plug.
- Perf Abo 7104-38' 4 spf, 60° phasing. RIH w/ 2 1/2" tbg and retrievable packer w/ seating nipple above packer. Set packer @ 7050,' load hole w/ 2% KCl, and test packer to 1000 psi.
 - Acidize 7104-38' w/ 3000 gal 15% HCl NeFe acid w/ ball sealers down tubing. Displace w/ 2% KCl water.
 - Flow or swab test Abo zone.
- Release packer and retrieve RBP. Install production tubing assembly. Well **DHC Wolfcamp and Abo.**

Please see attached procedure and C-102s. DHC authority to be obtained from NMOC.

Subject to OCD Auth.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Natalie Krueger

Signature

Title

Regulatory Analyst

Date

Gerry Guve, Deputy Field Inspector

December 17, 2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

Conditions of Approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, makes 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.

(Instructions on reverse)

ACCEPTED FOR RECORD

DHC NOT APPROVED

APPROVED

Date 21 2008

JAMES A. AMOS
SUPERVISOR EPS



COMPLETION PROCEDURE

Glenwood 28 Fed #4

760' FNL & 760' FEL
Sec 28 – T16S – R29E
Eddy Co., NM

Prepared by: **Ryan Braxton**

12/15/2008

API # 30-015-36327

Note: This well was frac'd 7/9/08: 9,506'-9,630'. The zone was plugged back to 9506-9562'. It has been on pump since 10/16/08. The tbg is as follows: BP, mud anchor, Ecometer gas separator, SN, 8 Jts. Tbg.TAC, & 280 Jts. Of tbg. The rods are as follows: 2 1/2" X 1 3/4" X 30' RHBM) BNC Frac Pump, 1' X1" Lift Sub, 3/4" Shear tool, 20 (1 1/2") C-Bars, 56 7/8" N97 rods, 100 1" N97 rods, 131 1 1/4" Fiber rods, 3 1 1/4" Fiber subs, 1 22' SMPR.

1. MIRU well service unit.
2. POOH and LD rods and pump.
3. NU 7-1/16" 5K dbl ram BOP dressed with blinds on bottom and 2-7/8" pipe rams on top.
4. Release TAC and POOH laying down tbg.
5. RU WLU. GIH with **CIBP** and set at 9450'. Dump 35' cement.
6. Perforate Wolfcamp @ **7800-06'** (4 spf 60 degree phasing). Monitor surface pressure. POOH and RD wireline.
7. RIH with 2-7/8" tubing and Arrowset retrievable packer with seating nipple above the packer. Set packer @ 7750'. Set pkr with 8-10K compression. Load hole with 2% KCL and test packer to 1000 psi.
8. Breakdown formation and acidize w/ 750 gals 15% HCL NFE acid w/ ball sealers down tubing. Pump acid at max rate after hole is loaded. If pumping locks up surge balls and continue with displacement. Displace acid with 2% KCL water.
9. Open well immediately to flowback tank. Flow or swab test zone for fluid influx.
10. Release packer and POOH standing back tbg.
11. MIRU WLU. RIH w/ 5 1/2" **RBP** and set at +/- 7300'. Test plug.

CIMAREX ENERGY
Glenwood 28 Fed #4 Recompletion Procedure

12. Perforate Abo @ **7104-38'** (4 spf 60 degree phasing). Monitor surface pressure. POOH and RD wireline.
13. RIH with 2-7/8" tubing and Arrowset retrievable packer with seating nipple above the packer. Set packer @ 7050'. Set pkr with 8-10K compression. Load hole with 2% KCL and test packer to 1000 psi.
14. Breakdown formation and acidize w/ 3000 gals 15% HCL NFE acid w/ ball sealers down tubing. Pump acid at max rate after hole is loaded. If pumping locks up surge balls and continue with displacement. Displace acid with 2% KCL water.
15. Open well immediately to flowback tank. Flow or swab test zone for fluid influx.
16. Release packer and GIH to retrieve bridge plug.
17. POOH and run tubing and anchor according to production specifications. Return to sales.

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

DISTRICT II

1301 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 97197	Pool Name County Line Tank; Abo
Property Code	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 Pending
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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" 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>Zeno Farris</i> 12-17-08 Signature Date</p> <p>Zeno Farris 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>

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 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 87506

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	Pool Name Wolfcamp Wildcat (Oil)
Property Code	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

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