

**RECEIVED**

MAY 17 2010

**OCD-ARTESIA**  
**NMOCD ARTESIA**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

RM

**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

2. Name of Operator

Cimarex Energy Co. of Colorado

3a. Address

600 N. Marienfeld St., Ste. 600; Midland, TX 79701

3b. Phone No. (include area code)

432-571-7800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL 330 FSL & 150 FEL

BHL 892 FSL & 974 FEL

25-24S-25E

5. Lease Serial No.

NM-96827

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Ozley 25 Federal No. 1

9. API Well No.

30-015-34684

10. Field and Pool, or Exploratory Area

Walnut Canyon; Upper Penn (Gas)

11. County or Parish, State

Eddy County, NM

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

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-off

☐ Well Integrity

☒ Other Acid/frac Cisco,  
Perf Wolfcamp, and

DHC

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 recompleat 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 recompleat 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 currently completed in Cisco (9990-10170') with a CIBP @ 11010' w/ 35' cement over Morrow perfs @ 11350-11686.' Cimarex proposes to add additional Cisco perfs, stimulate, then perf and stimulate the Wolfcamp for future DHC as shown below and on the attached procedure:

- NDWH, NU 5K BOP. TOOH & LD tbg.
- Acidize and frac Cisco 9990-10170' with 5000 gal acid and 413590 gal SW w/ 50000# 100 mesh & 300000# 30/50 sand. Set CBP @ 9900.'
- Perf Wolfcamp 9391-9471' 3 jsp, 60 holes. Acidize and frac Wolfcamp 9391-9471' w/ 5000 gal acid, 275248 gal SW w/ 30000# 100 mesh & 2000000# 30/50 sand. Set CBP @ 9375.'
- Perf Wolfcamp 9250-9346' 3 jsp, 60 holes. Acidize and frac Wolfcamp 9250-9346' w/ 5000 gal acid, 215446 gal SW w/ 25000# 100 mesh & 150000# 30/50 sand. Set CBP @ 9235.'
- Perf Wolfcamp 9020-9221' 3 jsp, 60 holes. Acidize and frac Wolfcamp 9020-9221' w/ 5000 gal acid, 310127 gal SW w/ 35000# 100 mesh & 250000# 30/50 sand.
- DO CBPs. Flow back. Install tubing and packer. Put on production.

C-107A in progress at NMOCD.

PET Witness

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

Please see attached C-102 and procedure.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Natalie Krueger

Title

Regulatory

Signature

Date

04.16.10

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Date

Office

**APPROVED**

MAY 12 2010  
/s/ Dustin Winkler

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. 1212, make it a crime for any person knowingly and willfully to make 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 page 2)

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

ML

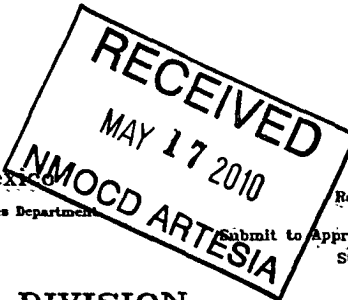
DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II  
811 South First, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Artesia, NM 87410

DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department



Form C-102  
Revised March 17, 1999  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

# OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-34684	Pool Code	Pool Name Chosa Draw; Upper Penn Wildcat
Property Code	Property Name OZLEY "25" FEDERAL	Well Number 1
OGRID No. 162683	Operator Name Cimarex Energy Co. of Colorado	Elevation 3504'

### 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	25	24 S	25 E		330	SOUTH	150	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
P	25	24 S	25 E		892	SOUTH	974	EAST	EDDY

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No. NSL 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>SHL 330' FSL &amp; 150' FEL</p> <p>Penetration Point CC: 644' FSL &amp; 606' FEL</p> <p>BHL 892' FSL &amp; 974' FEL</p> <p>SURFACE LOC. Lot - N32°10'54.8" Long - W104°20'28.9" NMSPC - N 429906.725 (NAD 83) E 538856.667</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Zeno Farris</i> Signature Zeno Farris Printed Name Mgr Operations Admin Title 4/16/2010 Date</p> <p><b>SURVEYOR CERTIFICATION</b></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>DECEMBER 20, 2005 Date Surveyed Signature &amp; Seal of Gary L. Jones Professional Surveyor No. 6085 Gary L. Jones 7977 BASIN SURVEYS</p>
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OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-34684	Pool Code	Pool Name Chosa Draw; Wolfcamp Wildcat
Property Code	Property Name OZLEY "25" FEDERAL	Well Number 1
OGRID No. 162683	Operator Name Cimarex Energy Co. of Colorado	Elevation 3504'

Surface Location

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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	<b>SURVEYOR CERTIFICATION</b> <i>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.</i>  DECEMBER 20, 2005 Date Surveyed Signature & Seal of Gary L. Jones Professional Surveyor No. 6085 7977 No. Gary L. Jones, 7977 BASIN SURVEYS

## **Ozley 25 Federal Com #1 Wolfcamp Recompletion Procedure**

### Well Data:

KB	23' above GL
TD	12250'
PBTD	10125'
Casing	13-3/8" 48# H-40 @ 214'. Cmtd w/ 240 sx. Cmt circ. 9-5/8" 40# J-55 @ 2310'. Cmtd w/ 1000 sx. Cmt circ. 5-1/2" 17# P-110 @ 12245'. Cmtd w/ 1145 sx. TOC @ 8350' by CBL. DV Tool @ 7322'. Cmtd w/ 1030 sx. TOC @ 1650' by CBL.
Perfs	Morrow – P&A (11350' – 11686') Cisco Canyon – (9990' – 10170')

### Procedure:

1. MIRU pulling unit. If necessary, kill well w/ FW. ND WH, NU BOP, TOO H & LD tbg. Change out 5K wellhead for 10K wellhead. ND BOP and RU 10K goat head frac valve and 10K tree saver. RDMO pulling unit.
2. RU Cudd. Acidize and frac Cisco Canyon perfs (9990' – 10170') down 5-1/2" csg w/ 5000 gals acid followed by 413,590 gals slick water containing 50,000# 100 mesh & 300,000# 30/50 sand. Set 10K flow thru composite plug @ 9900'.
3. Perforate Wolfcamp ( 9391' – 9395', 9411' – 9415', 9431' – 9435', 9449' – 9453', 9467' – 9471') 3 JSPF at 120 degree phasing w/ 3-1/8" casing guns. Total of 60 holes. Depth reference log Halliburton Spectral Density Dual Spaced Neutron Log dated June 3, 2006.
4. Acidize and frac Wolfcamp perfs (9391' – 9471') down 5-1/2" csg w/ 5000 gals acid followed by 275,248 gals slick water containing 30,000# 100 mesh & 200,000# 30/50 sand. Set 10K flow thru composite plug @ 9375'.
5. Perforate Wolfcamp (9250' – 9254', 9265' – 9269', 9301' – 9305', 9320' – 9324', 9342' – 9346') 3 JSPF at 120 degree phasing w/ 3-1/8" casing guns. Total of 60 holes. Depth reference log Halliburton Spectral Density Dual Spaced Neutron Log dated June 3, 2006.
6. Acidize and frac Wolfcamp perfs (9250' – 9346') down 5-1/2" csg w/ 5000 gals acid followed by 215,446 gals slick water containing 25,000# 100 mesh & 150,000# 30/50 sand. Set 10K flow thru composite plug @ 9235'.

10. Perforate Wolfcamp (9020' – 9023', 9035' – 9038', 9055' – 9058', 9080' – 9082', 9167' - 9170', 9185' – 9188', 9218' – 9221') 3 JSPF at 120 degree phasing w/ 3-1/8" casing guns. Total of 60 holes. Depth reference log Halliburton Spectral Density Dual Spaced Neutron Log dated June 3, 2006. RD wireline.
11. Acidize and frac Wolfcamp perms (9020' – 9221') down 5-1/2" csg w/ 5000 gals acid followed by 310,127 gals slick water containing 35,000# 100 mesh & 250,000# 30/50 sand. RD Stimulation company.
12. RU 1-3/4" coiled tbg unit. TIH w/ 4-5/8" butterfly mill & extreme downhole motor on 1-3/4" CT and drill out sand and composite plugs @ 9235', 9375', and 9900'. Make a minimum of 2 gel sweeps while drilling out composite plugs. FIH w/ coiled tbg and CO sand to 10950'. TOOH w/ mill, motor, & CT. RD coiled tbg unit.
13. Flow back well until sand production cleans up, the SI well overnight.
14. RU wireline and full 10K lubricator. RIH w/ 4-3/4" GR to 9000'. TIH w/ 10K pkr w/ on-off tool, and a pump out plug (pinned for 7500 psi BHP) in place and set @  $\pm$  8970'. RD wireline and full lubricator.
15. ND goat head and NU BOP. TIH w/ on-off tool, tbg and gas lift valves as per recommendation testing tubing below slips to 8000 psi. Tag pkr and PU 1 jt. RU PT and establish circ w/ FW. Pickle tbg w/ 500 gals 15% HCl and reverse out acid. Circ hole until good clean wtr is left in annulus (annulus volume = 164 bbls). FIH w/ tbg and latch on to pkr. ND BOP, NU WH. RD pulling unit.
16. RU PT & pressure up to 4000 psig to pump out plug. Put well on production.

Cimarex Energy Co. of Colorado  
NM-96827: Ozley 25 Federal #1  
API: 30-015-34684  
Eddy County, New Mexico

RE: Plug back and Recomplete NOI – Conditions of Approval

**Contact the appropriate BLM office at least 24 hours prior to the commencing of any recompletion operations. For wells in Eddy County, call 575-361-2822.**

There is to be no surface disturbance beyond the existing pad. A closed loop system is to be used. H2S monitoring and protection equipment is to be on site.

5M BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.

Before perforating the Delaware, the plug back shall be corrected as follows:

1. Drill/mill out existing CIBP at 11010'. Set new CIBP at 11300'.
2. Pump 30sx of Class H cement, with the TOC at 11070' or shallower.

This will meet regulation for plugging back the perfs, while also covering the top of the Morrow.

Approval from the state for DHC of the Cisco and the Wolfcamp must be approved before CBP can be removed.

Reminder: Before and after wellbore schematics should be submitted with plug back sundries.

Submit subsequent report with current wellbore schematic and completion report once work is completed.

DHW 050310