

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**CCD-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**

Month - Year  
MAY 3 2007  
OCD - ARTESIA, NM

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

2. Name of Operator  
Cimarex Energy Co. of Colorado

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)  
690' FNL & 950' FEL  
A-24-17S-29E

5. Lease Serial No.

LC-028784-A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Grayburg Deep Unit No. 18

9. API Well No.

30-015-34905

10. Field and Pool, or Exploratory Area

Bear Grass Draw; Abo

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 _____
	<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 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.)

The Grayburg Deep Unit # 18 is currently shut-in (SICP 35 psi) incapable of producing in the **Bear Grass; Abo (7546'-7670')**.

The well is also perfed in the **Morrow** as follows:

11042'-11056' 6 spf, 84 holes, CIBP @ 11020' w/ 35' cmt

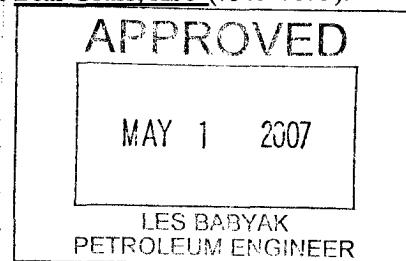
10928'-10944' 6 spf, 96 holes, CIBP @ 10900' w/ 35' cmt

10750'-10758' 6 spf, 48 holes

10678'-10686' 6 spf, 48 holes

The well is also perfed in the **Atoka** as follows:

10568'-10574' 6 spf, 36 holes, CIBP @ 10500' w/ 35' cmt



Cimarex proposes to re-enter, pull out rods and pump, and perf the Wolfcamp (9120'-9154') using a 6 spf TCP system. Frac using 16000 gal 15% Zonal Coverage Acid and 20000 gal Slick Water in 3 stages. Turn back onto production as a Wolfcamp Wildcat oil well. Please see attached recompleat procedure and plat.

Propose to evaluate Wolfcamp completion before squeezing Abo perfs. If recompleat is successful Wolfcamp will be isolated behind packer and Abo will be squeezed off at a later date. Pressure on casing will be monitored and reported daily.

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

Zeno Farris

Signature

*Zeno Farris*

Title

Manager, Operations Administration

Date

April 19, 2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

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.

Office

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)



**RECOMMENDED PROCEDURE  
GRAYBURG DEEP UNIT #18  
EMPIRE FIELD  
EDDY COUNTY, NEW MEXICO**

**Objective:** Establish production by perforating the Wolfcamp formation and stimulating.

**Standard Operating Procedures:**

1. Safety meetings will be conducted every morning and before any large or difficult procedure. **"Safety adds Value to Everything we do."**
2. No alcohol, drugs, firearms, or weapons of any kind are permitted on Cimarex property.
3. Pressure test Wellhead and BOP's to manufacturers recommended pressures after any change.
4. All tubular joints will be lubricated with API approved lubricants for that application.
5. Gauge ring runs will be made before attempting any wireline procedures.

**Procedure:**

1. MIRU well service unit. Bleed off pressure and kill well with 7% KCl water. POH laying down rods and pump. Release TAC and POH with tubing.
2. RU electric line and run Gauge Ring Junk Basket to 9,200'. Assemble TCP, Packer and other downhole tools as per the attached diagram. RIH to approximate depth as per tubing tally. RU electric line GIH with GR/CCL to locate exact position of locator collar. Position BHA so that top shot is at 9,120'. POOH with EL. Set packer and space out with 12,000psi compression. RU EL and run verification GR/CCL after setting packer. POOH and RD EL.
3. ND BOP's and NU Tree. Drop tube to open vent and test packer. Drop bar and fire VANNGUNS.
4. RU frac crew. Fracture stimulate the Wolfcamp using 16,000 gallons 15% Zonal Coverage Acid and 20,000 gallons Slick Water in three stages as per the attached recommendation. RD frac crew. Swab well to recover load and test production.
5. RD well service unit and turn well to sales.

**NOTE:** ABO perforations will be squeezed at a later date if necessary. Monitor pressure on casing and report daily.