

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

AUG 10 2009

No. 2086 - P. 2  
FORM APPROVED  
OMB No. 1004-0135  
Expires July 31, 1998

OCD Artesia

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<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other |  | 5. Lease Serial No.<br>NM-92739                                         |
| 2. Name of Operator<br>Cimarex Energy Co.                                                                                        |  | 6. If Indian, Allottee or Tribe Name                                    |
| 3a. Address<br>5215 N. O'Connor Blvd., Ste. 1500; Irving, TX 75039                                                               |  | 7. If Unit or CAI Agreement, Name and/or No.                            |
| 3b. Phone No. (include area code)<br>972-401-3111                                                                                |  | 8. Well Name and No.<br>Dalton 12 Federal No. 1                         |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>660 FSL & 660 FWL<br>12-22S-22E                        |  | 9. API Well No.<br>30-015-31938                                         |
|                                                                                                                                  |  | 10. Field and Pool, or Exploratory Area<br>Rocky Arroyo; Wolfcamp (Gas) |
|                                                                                                                                  |  | 11. County or Parish, State<br>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 type="checkbox"/> Recomplete to Bone Spring | <input type="checkbox"/> Other          |
|                                                      | <input type="checkbox"/> Change Plans         | <input checked="" type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |                                         |
|                                                      | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back                   | <input type="checkbox"/> Water Disposal            |                                         |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate 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 recompletion 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.)

Cimarex proposes to PA the Dalton 12 Federal # 1 per the following procedure:

1. RU wireline & dump-bail 50' Class H cmt on CIBP @ 9344.'
2. Set CIBP @ 9248' and dump-bail 50' cmt on top.
3. Set CIBP @ 8546' and dump-bail 50' cmt on top.
4. Set CIBP @ 6909' and dump-bail 50' cmt on top.
5. Pump 150' plug from 5185' to 5335'. Filler plug possible Abo plug
6. RIH w/ casing cutters and cut 5 1/2" casing at approx 4500'. RIH w/ tbg and spot 250' tbg stub (approx 75 sx) 50' in and 200' out of 5 1/2" casing. Spot 220' shoe plug (approx 100 sx) @ 9 1/2" shoe @ 2320', half in and half out of 9 1/2" casing.
7. RU wireline and run CBL (from approx 1200') to find TOC in 9 1/2" by 13 1/2". Perf 9 1/2" If necessary @ 1070' (50' below 13 1/2") and squeeze with 100 sx and leave 100' cmt in 9 1/2".
8. Perf 9 1/2" above cement top and circulate cement to surface.
9. Cut 9 1/2" and 13 1/2" casing below ground level and spot 60' cement plug (approx 40 sx) inside 9 1/2".
10. Install dry hole marker.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

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

Name (Printed/Typed)

Zeno Farris

Signature

Zeno Farris

Title

Manager Operations Administration

Date

June 26, 2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

[Signature]

Title

Office

**APPROVED**

**AUG 4 2009**

**BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD 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.

Dalton 12 Federal No. 1

SPUDED 08-28-01

API 30-015-31938

CURRENT CONDITION

N. Krueger

10-24-07

KB:  
CH  
SL: 4223'660' FSL & 660' FWL  
12-225-22E  
Unit M  
Eddy County, NM

Casing Strings:

San Andres 374'

13-3/8" (17-1/2" hole), 48# H-40  
@ 1020' w/ 1350 sx cml  
TOC @ surface - circ9-5/8" (12-1/4" hole), 40# J-55  
@ 2320' w/ 1210 sx cml  
(TOC 2110' Topped off w/ 550 sx)  
TOC @ 400

Glorieta 2320' (per John Similtz)

Wolfcamp 5958'

Cisco 7277'

Strawn 8000'

Atoka 8668'

Morrow 8933'

Int Cag TOC 400'

TOC 4800' by CBL

Perf Wolfcamp 6959'-7220' 2 spf  
Acidized w/ 5000 gal 15% H<sub>2</sub>FePerf Cisco 7340'-7494' 2 spf  
Acidized w/ 1900 gal 15% H<sub>2</sub>FePerf Strawn 8598'-8688' 2 spf  
Acidized w/ 2000 gal 15% H<sub>2</sub>FePerf Morrow 9298'-9308' 4 spf  
Acidized w/ 19 bbls acid, 74 bbls CO<sub>2</sub>

CIBP @ 9344'

Perf Morrow 9366'-9410' 2 spf

5-1/2" (8-1/2", 7-7/8" hole) 17# N-80, J-55  
@ 9600' w/ 1350 sx cml  
TOC @ 4800' (CBL)TD = 9600'  
PBTD = 8546'

# Cimarex Energy Co. of Colorado

**Dalton 12 Federal No. 1**

SPUDED 08-28-01

API 30-015-31938

**CURRENT CONDITION**

N. Krueger

10-24-07

KB.  
CH:  
GL 4223'

660' FSL & 660' FWL  
12-22S-22E  
Unit M  
Eddy County, NM

Casing Strings:

San Andres 371'

Int Csg TOC 400'

13-3/8" (17-1/2" hole), 48# H-40  
@ 1020' w/ 1550 sx cmt  
TOC @ surface - circ

Glorieta 2033'

9-5/8" (12-1/4" hole), 40# J-55  
@ 2320' w/ 1210 sx cmt  
(TOC 2110', Topped off w/ 350 sx)  
TOC @ 400

TOC 4600' by CBL

Wolfcamp 5958'

Perf Wolfcamp 6959'-7220' 2 spf  
Acidized w/ 5000 gal 15% NeFe

Cisco 7277'

CIBP @ 7290'

Perf Cisco 7340'-7494' 2 spf  
Acidized w/ 1900 gal 15% NeFe

Strawn 8000'

CIBP @ 8546' w/ 50' cmt

Atoka 8668'

Perf Strawn 8596'-8668' 2 spf  
Acidized w/ 2000 gal 15% NeFe

Morrow 8933'

CIBP @ 9248' w/ 50' cmt

Perf Morrow 9298'-9306' 4 spf  
Acidized w/ 19 bbls acid, 74 bbls CO2

CIBP @ 9344'

Perf Morrow 9366'-9410' 2 spf

5-1/2" (8-1/2", 7-7/8" hole) 17# N-80, J-55  
@ 9600' w/ 1350 sx cmt  
TOC @ 4600' (CBL)

TD = 9600'  
PBSD = 8546'

Cimarex Energy Co.  
NM-92739: Dalton 12 Federal No. 1  
API: 30-015-31938  
Lea County, New Mexico

RE: Plugging and Abandonment Requirements, Conditions of Approval

1. Tag CIBP at 9344' before bailing cement.
2. OK
3. OK
- 3a. Add CIBP at 7290' and dump bail 50' cmt on top.
4. OK
5. OK
6. WOC and tag both stub plug and csg shoe plug.
7. BLM to view CBL and approve before continuing. Following steps may be modified based on results of the CBL.
8. OK
9. OK
10. OK
11. Submit subsequent report.

See attached standard COA.

DHW 080409

**BUREAU OF LAND MANAGEMENT**  
**Carlsbad Field Office**  
**620 East Greene Street**  
**Carlsbad, New Mexico 88220**  
**575-234-5972**

**Permanent Abandonment of Federal Wells**  
**Conditions of Approval**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

**If you are unable to plug the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.**

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in a cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. **Dry Hole Marker:** All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. **Subsequent Plugging Reporting:** Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.

DHW 071309



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Carlsbad Field Office  
620 E. Greene St.  
Carlsbad, New Mexico 88220-6292  
www.blm.gov/nm



In Reply Refer To: 1310

### Interim Reclamation Procedures

**Reclamation Objective:** Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses.

Interim reclamation consists of minimizing the footprint of disturbance by reclaiming all portions of the well site not needed for production operations. The portions of the cleared well site not needed for operational and safety purposes are recontoured to a final or intermediate contour that blends with the surrounding topography as much as possible. Sufficient level area remains for setup of a workover rig and to park equipment. Topsoil is respread over areas not needed for all-weather operations. Production facilities should be clustered to maximize the opportunity for interim reclamation. In order to inspect and operate the well or complete workover operations, it may be necessary to drive, park, and operate on restored, interim vegetation within the previously disturbed area. This is generally acceptable provided damage is repaired and reclaimed following use.

To reduce final reclamation costs; maintain healthy, biologically active topsoil; and to minimize habitat, visual, and forage loss during the life of the well, all salvaged topsoil should be spread over the area of interim reclamation, rather than stockpiled.

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). Interim reclamation is to be completed within 6 months of well completion.
3. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with interim reclamation as per approved APD or Sundry Notice. If you have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.
4. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
5. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos  
Supervisory Environmental Protection Specialist  
575-234-5909, 575-361-2648 (Cell)

Terry Gregston  
Environmental Protection Specialist  
575-234-5958

Bobby Ballard  
Environmental Protection Specialist  
575-234-2230

Randy Rust  
Environmental Protection Specialist  
575-234-5943

Linda Denniston  
Environmental Protection Specialist  
575-234-5974

Jennifer Van Curen  
Environmental Protection Specialist  
575-234-5905

Justin Frye  
Environmental Protection Specialist  
575-234-5922

Cody Layton  
Natural Resource Specialist  
575-234-5959

Trishia Bad Bear  
Natural Resource Specialist  
575-393-3612

Todd Suter  
Surface Protection Specialist  
575-234-5987

Doug Hoag  
Civil Engineering Technician  
575-234-5979