

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.*

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

PM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	RECEIVED JUL 6 2010 OCD ARTESIA Phone (not include area code) 432-571-7800
2. Name of Operator Cimarex Energy Co. of Colorado	
3a. Address 600 N. Marienfeld St., Ste. 600; Midland, TX 79701	
4. Location of Well (Footage, Sec., T., R., M, or Survey Description) SHL 1650 FSL & 330 FWL 5-17S-29E BHL 1650 FSL & 330 FEL	

5. Lease Serial No SHL LC-028480-B BHL State
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No Pending
8. Well Name and No Yoshi 5 Federal Com No. 1
9. API Well No 30-015-36852
10. Field and Pool, or Exploratory Area Empire; Glorieta-Yeso
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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Switch to vertical
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Paddock test, change well
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	name

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)

Cimarex proposes to drill the well above as a vertical Paddock instead of a horizontal Paddock. Please see changes below.

Permitted Location
SHL 1650 FSL & 330 FWL
BHL 1650 FSL & 330 FEL
5-17S-29E
Eddy County, NM

Proposed Location
1650 FSL & 330 FWL
5-17S-29E
Eddy County, NM

Set surface and intermediate casing as permitted. Set 5½" 17# P-110 LTC to 6000.' Cement with Lead 550 sx Class H Lite + 6# Salt + 1/4# CF (wt 12.7, yld 1.92) and Tail 200 sx Class H + 2% CaCl₂ (wt 13, yld 1.68). TOC 1150.'

Cimarex also proposes to change the well name to the **Meadowhawk 5 Federal No. 3**.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

Please see attached revised C-102.

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

Natalie Krueger
Signature

Title
Regulatory
Date
March 18, 2010

Approved by *[Signature]* THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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)

APPROVED	
JUN 30 2010	Date
/s/ Dustin Winkler	
BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE	

Cimarex Energy Co. of Colorado
NMLC-028480-B: Yoshi 5 Federal Com #1
API: 30-015-36852
Eddy County, New Mexico

RE: Casing Change – Conditions of Approval

Changes to the approved APD casing and cement program require submitting a sundry and receiving approval prior to work. Failure to obtain approval prior to work will result in an Incident of Non-Compliance being issued.

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

**Possible water or brine flows in the Salado and Artesia groups.
Possible lost circulation in the Grayburg and San Andres formations.**

1. The 11-3/4 inch surface casing shall be set at **approximately 430 feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt)** and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.**
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the 8-5/8 inch intermediate casing is:
☒ Cement to surface. If cement does not circulate see B.1.a, c-d above.

3. The minimum required fill of cement behind the 5-1/2 inch production casing is:

☒ Cement should tie-back at least 200 feet into previous casing string. Operator shall provide method of verification.

4. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

DHW 062910