Form 3160-5
(November 1994)

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

5. Lease Serial No.
LC-060524

6. If Indian, Allottee or Tribe Name

RECEIVED
MAR 31 2010
NMOCD ARTESIA

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

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
Vega 9 Federal No. 3

2. Name of Operator
Cimarex Energy Co. of Colorado

9. API Well No.
30-015-36713

3a. Address
600 N. Marienfeld St., Ste. 600; Midland, TX 79701

3b. Phone No. *(include area code)*
432-571-7800

10. Field and Pool, or Exploratory Area
Loco Hills; Glorieta-Yeso

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1650 FNL & 900 FWL
9-17S-30E

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			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Subsequent Report	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[X] Other Perform bradenhead squeeze
	[ ] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
[ ] Final Abandonment Notice	[ ] Convert to Injection	[ ] Plug Back	[ ] 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 recomplete 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.) Cement job packed off during production casing cement job. TOC 1900' by CBL. Request following p

1. Pressure up on wellhead to 2,500 psi to hold casing slips in place.
2. Hook up cementing lines to annulus valve on wellhead.
3. Test lines to 3000 psi.
4. Open valves and fill annulus. Establish injection rate.
   Previous rate was 1.5 bpm at 1000 psi.
5. Mix and pump 200 sx of class C cement + adds into annulus
   this will be about 70 bbls of 12.9 ppg cement.
6. Shut annulus valve.
7. Rig down and move out.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Name *(Printed/Typed)*	Title
Zeno Farris	Manager Operations Administration
Signature: Zeno Farris	Date: March 18, 2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED
MAR 23 2010
/s/ Chris Walls
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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.

DD 4-1-10

(Instructions on reverse)

Vega 9 Federal 3
30-015-36713
Cimarex Co of Colorado
March 23, 2010
Conditions of Approval

1. **At final plugging the casing must be perforated for the Yates/base of salt/intermediate shoe plug and an attempt to squeeze into the annulus must be made, unless a cement bond log is done in the meantime showing a good bond.**

2. **If an injection rate cannot be established the operator must submit an alternative remedial plan.**

3. **If the entire slurry volume is not injected down the annulus a cement bond log will be required.**

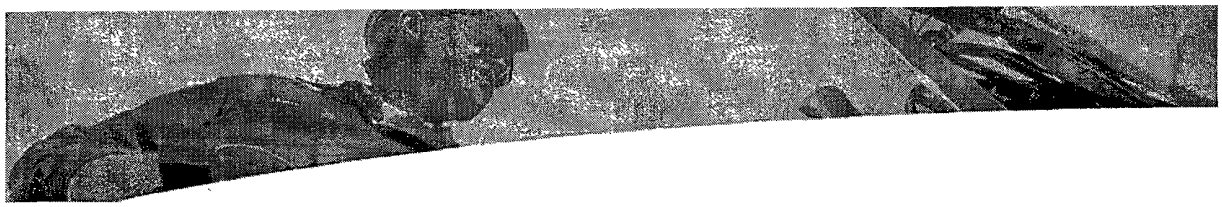
4. **Surface disturbance beyond the existing pad must have prior approval.**

5. **Closed loop system required.**

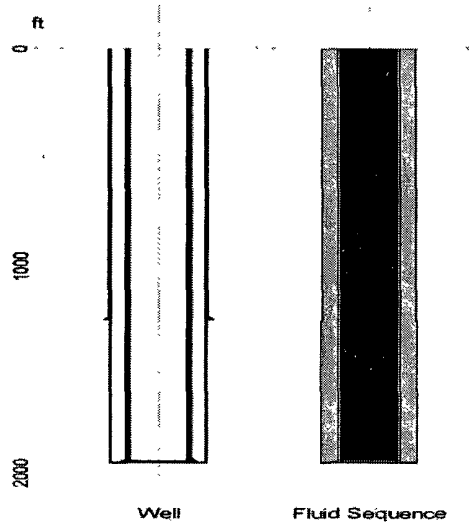
6. **Operator to have H2S monitoring equipment on location as H2S has been reported from wells in the area.**

7. **Subsequent sundry required.**

CRW 032310



WELL DATA



IMPORTANT
The well data shown on this page is based on information available when this treatment program was prepared This data must be confirmed on location with the wellsite supervisor prior to the treatment Any changes in the well data need to be reviewed for their impact on the treatment design

Well Data	
Job Type :	Casing Cementing
Total Depth (Measured) :	1900.0 ft
True Vertical Depth (TVD) :	1900.0 ft
BHST (Tubular Bottom Static Temperature) :	96 degF
BHCT (Tubular Bottom Circulating Temperature) :	88 degF

Open Hole		
Mean Diameter without Excess	**Bottom Depth**	**Annular Excess**
7.875 in	1900.0 ft	25.0 %

Previous Casing					
OD	**Weight**	**Grade**	**Thread**	**Inner Capacity**	**Bottom Depth**
8 5/8 in	24.0 lb/ft	J-55	STC	0.36 ft3/ft	1250.0 ft

Casing					
OD	**Weight**	**Grade**	**Thread**	**Inner Capacity**	**Bottom Depth**
5 1/2 in	17.0 lb/ft	K-55	BTC	0.13 ft3/ft	1900.0 ft

Annular Capacity (without Excess) : Casing Bottom / Open Hole : 0.17 ft3/ft
Annular Capacity (without Excess) : Previous Casing Bottom / Casing : 0.19 ft3/ft

Fluid Placement			
Fluid Name	**Volume gal**	**Density lb/gal**	**Top of Fluid ft**
Fresh Water	840	8.34	0.0
Cement Slurry	2854	12.40	0.0
Fresh Water	1855	8.34	0.0

Total Liquid Volume : 5549 gal

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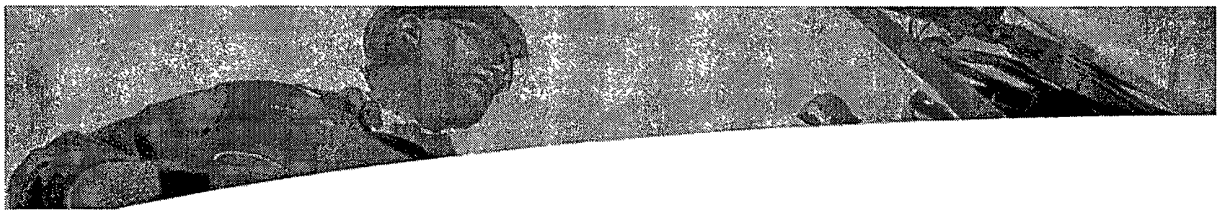

FLUID SYSTEMS

Fresh Water			
System	Water		
Density	8.34 lb/gal		
Total volume	2695 gal		
Additives	**Code**	**Description**	**Concentration**

Cement Slurry (169 sacks, 89 lb per sack of Blend) 35/65 Poz/C+5%D44(BWOW)+10%D20+0.2%D46+0.125PPSD130+1%D112+1PPSD42			
System	Conventional		
Density	12.40 lb/gal		
Yield	2.26 ft3/sk		
Mixed Water	12.726 gal/sk		
Mixed Fluid	12.726 gal/sk		
Total volume	2854 gal		
Expected Thickening Time	70 Bc at 05:39 hr:mn		
Additives	**Code**	**Description**	**Concentration**
	D044	NaCl	5.0 % BWOW
	D020	Extender	10.0 % BWOB
	D046	Anti Foam	0.2 % BWOB
	D130	Lost Circulation Control Agent	0.125 lb/sk
	D112	Fluid loss	1.0 % BWOB
	D042	Extender	1 lb/sk
	D903	Cement	61 lb/sk
	D132	Extender	28 lb/sk

Some of the chemicals specified in this program may have toxic properties. All personnel should be familiar with the inherent dangers and appropriate safeguards to prevent accidental injury. Use of the chemicals may be governed by certain laws and regulations and should only be used in accordance with such. Please refer to the MSDS sheets for the recommended safety precautions and required minimum personal protective equipment.

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