

OCD-ARTESIA

Form 3160-5  
(April 2004)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

## 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 ☐ Other2 Name of Operator  
ENCORE OPERATING, L.P.3a Address  
777 MAIN STREET, STE. 1400 FT. WORTH, TX. 761023b Phone No. (include area code)  
817-877-9955

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

SHL: 450' FSL & 1875' FEL SEC. 6 T24S-R26E  
BHL: 700' FSL & 1800' FEL SEC. 6 T24S-R26E

APR 08 2008

OCD-ARTESIA

5 Lease Serial No  
NM-152956 If Indian, Allottee or Tribe Name  
N/A7 If Unit or CA/Agreement, Name and/or No  
N/A8 Well Name and No  
CK "6" FEDERAL #19 API Well No  
30-015-3600010 Field and Pool, or Exploratory, Area  
CARLSBAD MORROW-SOUTH11 County or Parish State  
EDDY CO., 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 checked="" 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 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 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 recomplection 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.)

ENCORE OPERATING, L.P. RESPECTFULLY REQUEST APPROVAL FOR CHANGE IN CASING PLAN.

Due to significant mud losses on trips and while drilling the decision has been made to run a second intermediate string of 7" casing in this well to 10,218 feet. The second intermediate string will consist of 7", 26.0 ppf., HCP-110 LTC. The burst of the 7" casing without a safety factor (SF) is 9,950 psi and 7,800 psi collapse with a 1.15 SF the burst is 8,652 psi and with a 1.125 SF the collapse is 6,933 psi. Cement will be circulated back to surface in two stages.

PLEASE SEE ATTACHED 7" CASING PLAN.

APPROVED

MAR 31 2008

JAMES A. AMOS  
SUPERVISOR-EPS14 I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Ann Burdette Wiley

Title REGULATORY MANAGER

Signature

Date

03/29/2008

## 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

Title 18 USC Section 1001 and Title 43 USC Section 1212 make 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 page 2)

Accepted for record - NMOCB

**ENCORE OPERATING, L.P.**  
**CK "6" FEDERAL # 1**  
**EDDY CO., NM**  
**SUNDRY ATTACHMENT**

**Date:** March 28 7, 2008  
**Subject:** Cement Design for the CK 6 Federal #1 Seven Inch Casing

**Stage 1:**

Spacer: 500 gals Mud Clean II @ 11.0 ppg  
Lead: 360 sacks (50:50) Poz (Fly Ash): Class H Cement + 5 lbs/sack LCM-1 + 10% bwoc bentonite + 0.7% bwoc FL-52A + 0.125 lbs/sack Cello Flake + 5% bwow Sodium Chloride +134.7% freshwater mixed at 2.46 cf/sack and 11.8 ppg.

Compressive Strength

12 hrs @ 157°F (psi)	175
24 hrs @ 157°F (psi)	350
48 hrs @ 157°F (psi)	500
72 hrs @ 157°F (psi)	780

Tail: 55 sacks (15:61:11) Poz (Fly Ash): Premium Plus C Cement:CSE-2 + 5% bwow Sodium Chloride + 5 lbs/sack LCM-1 + 0.6% bwoc FL-25 + 0.5% bwoc BA-10A + 0.6% bwoc FL-52A + 74.9% freshwater mixed at 1.64 cf/sack and 13.2 ppg.

Compressive Strength

12 hrs @ 157°F (psi)	600
24 hrs @ 157°F (psi)	1200
48 hrs @ 157°F (psi)	1800
72 hrs @ 157°F (psi)	2500

***Stage tool and external casing packer @ 6,000'***

**Stage 2:**

Spacer: 20 bbls FW  
Lead: 605 sacks (50:50) Poz (Fly Ash): Premium Plus C Cement + 5 lbs/sack LCM-1 + 10% bwoc bentonite + 0.6% bwoc FL-52A + 0.125 lbs/sack Cello Flake + 5% bwow Sodium Chloride +134.7% freshwater mixed at 2.46 cf/sack and 11.8 ppg.

**Page 2**  
**CK 6 Federal #1**  
**Cement Program**

Compressive Strength

8 hrs @ 126°F (psi)	125
24 hrs @ 126°F (psi)	250
48 hrs @ 126°F (psi)	550
72 hrs @ 126°F (psi)	700

Tail: 75 sacks Premium Plus C Cement + 0.2% bwow R-3 + 56.1 % freshwater.  
Mixed at 14.8 ppg and 1.33 cf/sack.

Compressive Strength

8 hrs @ 126°F (psi)	1255
24 hrs @ 126°F (psi)	1700
48 hrs @ 126°F (psi)	2400
72 hrs @ 126°F (psi)	3200

All cement will be tested for thickening time.