

CONOCOPHILLIPS  
PLUG AND ABANDON PROCEDURE  
EVGSAU 3236-002  
LEA COUNTY, NEW MEXICO

A. IMPORTANCE OF SAFETY

Safe operations are of utmost importance at all ConocoPhillips properties and facilities. To further this goal, the ConocoPhillips Supervisor at the location shall request tailgate safety meetings prior to initiation of work and also prior to any critical operations. These tailgate meetings shall be attended by all Company, contract and service personnel then present at the location. All parties shall review proposed upcoming steps, procedures, and potentially hazardous situations. Occurrence of these meetings shall be recorded in the daily reports.

B. WELL CATEGORY

The H<sub>2</sub>S concentration is estimated to be 0 ppm. A gas analysis sample was taken in April 2002. This is a **Category One** well because it is incapable of flowing gas at rates greater than 500 MCFD and the calculated 0 ppm H<sub>2</sub>S ROE is less than 50 ft. Rule 118 does not apply. For a **Category One** well the barrier requirement is **one untested barrier**. A **tested barrier** can be achieved with a visual static fluid column tested for 30 minutes. If a static fluid column cannot be achieved, *standard approval* has been granted from the Permian Basin Business Unit Manager to use a dynamic column of fluid to ND wellhead, NU BOPE. This can be achieved by pumping kill weight fluid into the well until the well is on a vacuum, at which point the pump rate is reduced to ½ a barrel per minute until the BOPE is NU.

H<sub>2</sub>S Concentration 0 ppm  
100 ppm ROE = 0  
500 ppm ROE = 0

C. BOP CLASS AND EXCEPTIONS

The MPSP for this well is estimated to be less than 1000 psig. The calculated 0 ppm H<sub>2</sub>S ROE is not greater than the length of the BOP closing handles. A **Class One Manual BOP** is required. It will consist of a blind ram on bottom and a pipe ram on top. The choke/kill line outlet shall be minimum 2 inches nominal and can be either in the BOP body below the rams or in a spool placed below the rams. The secondary kill outlet on the wellhead shall be fitted with one valve, and a needle valve with adapter and pressure gauge, all rated to wellhead working pressure or greater. **The wellhead shall not be used for primary choke/kill outlet.** For clarifications on BOP equipment, refer to the PPCo Well Control Manual, Second Edition, Revision II, August 1994.

APPROVALS:

Drilling Engineer: Wendy S. Negrey DATE: 12-6-02  
Drilling Manager: Ray Mattles for L. Robinson DATE: 12/9/02  
Drilling Superintendent: [Signature] DATE: 12-6-02  
Operations Manager: \_\_\_\_\_ DATE: \_\_\_\_\_