

### **1. Well Control Equipment**

- (a) Double ram BOP with a properly sized closing unit and pipe rams to accommodate all pipe sizes in use.**
- (b) A choke manifold with a minimum of one remote choke.**

**Note: BOP's will be in place prior to drilling out surface casing.**

### **2. H2S Detection And Monitoring Equipment**

- (a) Three (3) H2S detection monitors will be placed in service at the location. One monitor will be placed near the bell nipple on the rig floor; one will be placed at the rig substructure; and, one will be at the working mud pits or shale shaker. This monitoring system will have warning lights and audible alarms that will alert personnel when H2S levels reach 20 ppm.**
- (b) One (1) Sensidyne Pump with the appropriate detection tubes will also be available to perform spot checks for H2S concentrations in any remote or isolated areas.**

### **3. Protective Equipment For Essential Personnel**

**Protective equipment will consist of the following:**

- (a) Four (4) - five minute escape packs located at strategic points around the rig.**
- (b) Four (4) - thirty minute rescue packs to be located at the designated briefing areas.**
- (c) Breathing air cascade manifold system complete with 10 - 300 cubic feet air cylinders with four hose line work units.**

### **4. Visual Warning System**

**Visual warning system will consist of the following:**

- (a) Two wind direction indicators.**
- (b) One condition / warning sign which will be posted on the road providing direct access to the location. The sign will contain lettering of sufficient size to be readable at a reasonable distance from the**