

**2. H<sub>2</sub>S Safety Equipment and Systems**

Note: All H<sub>2</sub>S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the Cisco/Canyon zone at 7540'.

**1. Well Control Equipment:**

- A. An annular preventer capable of accommodating all pipe sizes with properly sized closing unit.

**2. Protective Equipment for Personnel:**

- A. Scott Air-Pack Units located on the rig floor and at briefing areas, as indicated on well site diagram.

**3. H<sub>2</sub>S Detection and Monitoring Equipment:**

- A. 2-portable H<sub>2</sub>S monitors positioned on location for best coverage and response. These units have warning lights and audible sirens when H<sub>2</sub>S levels of 200 ppm are reached.

**4. Visual Warning Systems:**

- A. Wind direction indicators as shown on well site diagram.
- B. Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. See Example Attached.

**5. Mud Program:**

- A. The mud program is designed to minimize any H<sub>2</sub>S circulated to the surface. Proper mud weight, safe drilling practices, and the use of H<sub>2</sub>S scavengers will be used to minimize hazards when penetrating H<sub>2</sub>S bearing zones (Cisco/Canyon).