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2. H2S SAFETY EQUIPMENT AND SYSTEMS

- Note: All H2S 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 first zone containing or reasonably expected to contain H2S.
 - A. Well Control Equipment:
 - 1. Flare line with continuous pilot.
 - 2. Choke manifold with a minimum of one remote choke.
 - 3. Blind rams and pipe rams to accommodate all sizes with properly sized closing unit.
 - 4. Auxiliary equipment to include: annular preventer, mud-gas separator, rotating head and flare gun with flares as needed.
 - B. Protective Equipment for Essential Personnel:
 - Mark II Surviveair 30-minute units located in the dog house and at briefing areas, as indicated on well site diagram.
 - C. H2S Detection and Monitoring Equipment:
 - 1. Two portable H2S monitors positioned and location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 ppm are reached.
 - 2. One portable SO2 monitor positioned near flare line.
 - D. Visual Warning systems:
 - 1. Wind direction indicators as shown on well site diagram.
 - 2. Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used when appropriate. See example attached.