

# **HYDROGEN SULFIDE DRILLING OPERATIONS PLAN**

## **MEWBOURNE OIL COMPANY**

### **I. HYDROGEN SULFIDE TRAINING**

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will have received training from a qualified instructor in the following areas prior to entering the drilling pad on this well:

1. The hazards and characteristics of hydrogen sulfide (H<sub>2</sub>S).
2. The proper use of personal protective equipment and life support systems.
3. The proper use of H<sub>2</sub>S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
4. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

1. The effects of H<sub>2</sub>S on metal components. If high tensile tubular are to be used, personnel will be trained in their special maintenance requirements.
2. Corrective action and shut-in procedures, blowout prevention, and well control procedures when drilling a well.
3. The contents and requirements of the H<sub>2</sub>S Drilling Operations Plan.

There will be an initial training session just prior to encountering a known H<sub>2</sub>S zone. The initial training session shall include a review of the site specific H<sub>2</sub>S Drilling Operations Plan.

### **II. 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 before drilling out from under intermediate casing.

1. Well Control Equipment:
  - A. Flare line with diesel fueled igniter or continuous propane fuel pilot.
  - B. Choke manifold with a minimum of one adjustable choke.
  - C. Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
  - D. Auxiliary equipment to include annular preventor and rotating head.

