

LYNX PETROLEUM CONSULTANTS, INC.
H₂S PRECAUTIONS

I. HYDROGEN SULFIDE TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing operations on this well:

1. The hazards and characteristics of hydrogen sulfide (H₂S).
2. The proper use and maintenance of personal protective equipment and life support systems.
3. The proper use of H₂S 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 H₂S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.

II. H₂S SAFETY EQUIPMENT AND SYSTEMS

1. Well Control Equipment :
 - A. A 5000 psig WP Blowout preventer with blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit will be furnished.
2. H₂S detection and monitoring equipment :
 - A. 2 – portable H₂S monitors positioned on location for best coverage and response. These units have warning lights and audible sirens when H₂S levels of 20 ppm are reached.
3. Visual warning systems :

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- A. A wind direction indicator will be in place on the pulling unit doghouse.
- 4. Mud program :
 - A. The working fluid for this recompletion will be 2% KCL treated fresh water.
- 5. Metallurgy :
 - A. Tubing, wellhead, and blowout preventers shall be suitable for H₂S service.
 - B. All elastomers used for packing and seals shall be H₂S trim.
- 6. Communication :
 - A. Communications in company vehicles are provided by cellular telephones.
Cell1: 575-390-9063 Cell2: 575-390-9065
 - B. Land line (telephone) communications at Hobbs office.
Phone: 575-392-6950
 - C: Emergency Numbers
911
Carlsbad Sheriff's Dept.: 575-887-1888
Carlsbad Hospital: 575-887-4100
Carlsbad Fire Dept.: 575-885-3125
Maljamar Fire Dept.: 575-676-4100
Lea County Sheriff's Dept: 575-396-3611
Hobbs Hospital: 575-492-5000
New Mexico State Police: 575-392-5588
- 8. Well testing :
 - A. No drill stem tests are being contemplated during this operation.