

DOYLE HARTMAN

Oil Operator

500 NORTH MAIN

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Via U.S. Mail

July 2, 1996

United States Department of the Interior
Bureau of Land Management
Carlsbad Resource Area Headquarters
P.O. Box 1778
Carlsbad, New Mexico 88221-1778

Attn: Richard L. Manus

Re: Application for Permit to Drill:
Hobbs Well No. 5
1980' FSL and 1650' FWL (K), Section 18, T-20-S, R-37-E
Lease No. LC-031621-B
Eumont Gas Pool
Lea County, New Mexico.

Dear Mr. Manus:

Reference is made to your letter of July 12, 1996. As you requested, enclosed are six copies each of the following: H₂S Drilling Plan and BOP and Choke Manifold Diagram. If you have any further questions or comments, please do not hesitate to contact us.

Thank you very much,

DOYLE HARTMAN, Oil Operator

A handwritten signature in black ink, appearing to read "Steve Hartman", with a stylized flourish at the end.

Steve Hartman, Engineer

ATTACHMENT TO APPLICATION TO DRILL

**DOYLE HARTMAN
HOBBS NO. 5
1980' FSL & 1650' FWL
SECTION 18, T-20-S, R-37-E
LEA COUNTY, NEW MEXICO**

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

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 area prior to commencing drilling operations on this well:

1. The hazards and characteristics of hydrogen sulfide (H_2S).
2. The proper use and maintenance of personal protective equipment and life support systems.
3. The proper use of H_2S 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_2S 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.
3. The contents and requirements of the H_2S Drilling Operations Plan and the Public Protection Plan.

There will be an initial training session just prior to encountering a known probable H_2S zone (within 3 days or 500 feet) and weekly H_2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H_2S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

II. H_2S Safety Equipment and Systems.

Note: All H_2S 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 H_2S .

1. Well Control Equipment:
 - A. Choke manifold.
 - B. Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
 - C. Auxiliary equipment added as appropriate includes: flare line with electric igniter or continuous pilot, annular preventer, mud-gas separator, rotating head, and flare gun with flares.
2. Protective Equipment for Essential Personnel:
 - A. Mark II Surviveair 30 minute units located in the dog house and at briefing areas, as indicated on well site diagram.

3. H₂S Detection and Monitoring Equipment:
 - A. Two 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.
 - B. One portable SO₂ monitor positioned near flare line.
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 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.