

EOG RESOURCES, INC.  
ENDURANCE 25 FED #2

HOBBS OCD

MAR 18 2013

## Hydrogen Sulfide Plan Summary

RECEIVED

- A. All personnel shall receive proper H<sub>2</sub>S training in accordance with Onshore Order III.C.3.a.
- B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.
- C. Required Emergency Equipment:

- Well control equipment
  - a. Flare line 150' from wellhead to be ignited by flare gun.
  - b. Choke manifold with a remotely operated choke.
  - c. Mud/gas separator

- Protective equipment for essential personnel.

Breathing apparatus:

- a. Rescue Packs (SCBA) — 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
- b. Work/Escapes packs — 4 packs shall be stored on the rig floor th sufficient air hose not to restrict work activity.
- c. Emergency Escape Packs — 4 packs shall be stored in the doghouse for emergency evacuation.

Auxiliary Rescue Equipment:

- a. Stretcher
- b. Two OSHA full body harness
- c. 100 ft 5/8 inch OSHA approved rope
- d. 1-20# class ABC fire extinguisher

- H<sub>2</sub>S detection and monitoring equipment:

The stationary detector with three sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 14 ppm. Calibrate a minimum of every 30 days or as needed. The sensors will be placed in the following places: Rig floor / Bell nipple / End of flow line or where well bore fluid is being discharged.

(Gas sample tubes will be stored in the safety trailer)

- Visual warning systems.

- a. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
- b. A colored condition flag will be on display, reflecting the current condition at the site at the time.
- c. Two wind socks will be placed in strategic locations, visible from all angles.

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■ **Mud program:**

The mud program has been designed to minimize the volume of H<sub>2</sub>S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H<sub>2</sub>S bearing zones.

■ **Metallurgy:**

- a. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H<sub>2</sub>S service.
- b. All elastomers used for packing and seals shall be H<sub>2</sub>S trim.

■ **Communication:**

Communication will be via cell phones and land lines where available.

**EOG RESOURCES, INC.  
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**Emergency Assistance Telephone List**

**PUBLIC SAFETY:** **911 or**

Lea County Sheriff's Department (575) 396-3611

Rod Coffman

**Fire Department:**

Carlsbad (575) 885-3125

Artesia (575) 746-5050

**Hospitals:**

Carlsbad (575) 887-4121

Artesia (575) 748-3333

Hobbs (575) 392-1979

Dept. of Public Safety/Carlsbad (575) 748-9718

Highway Department (575) 885-3281

New Mexico Oil Conservation (575) 476-3440

U.S. Dept. of Labor (575) 887-1174

**EOG Resources, Inc.**

EOG / Midland Office (432) 686-3600

**Company Drilling Consultants:**

Danny Kiser Will Henderson Cell (432) 894-3417

Larry King

**Drilling Engineer**

Steve Munsell Office (432) 686-3609

Cell (432) 894-1256

**Operations Manager**

Travis Lain Office (432) 686-3740

Cell (432) 254-3521

**Drilling Superintendents**

Ron Welch Office (432) 686-3695

Cell (432) 386-0592

Barney Thompson Office (432) 686-3678

Cell (432) 254-9056

**Cactus Drilling**

Cactus Drilling Office (580) 799-2752

Cactus 123 Drilling Rig Rig (432) 894-3417

**Tool Pusher:**

Jack Herndon Cell (405) 519-6552

Larry Slife Cell (405) 250-6368

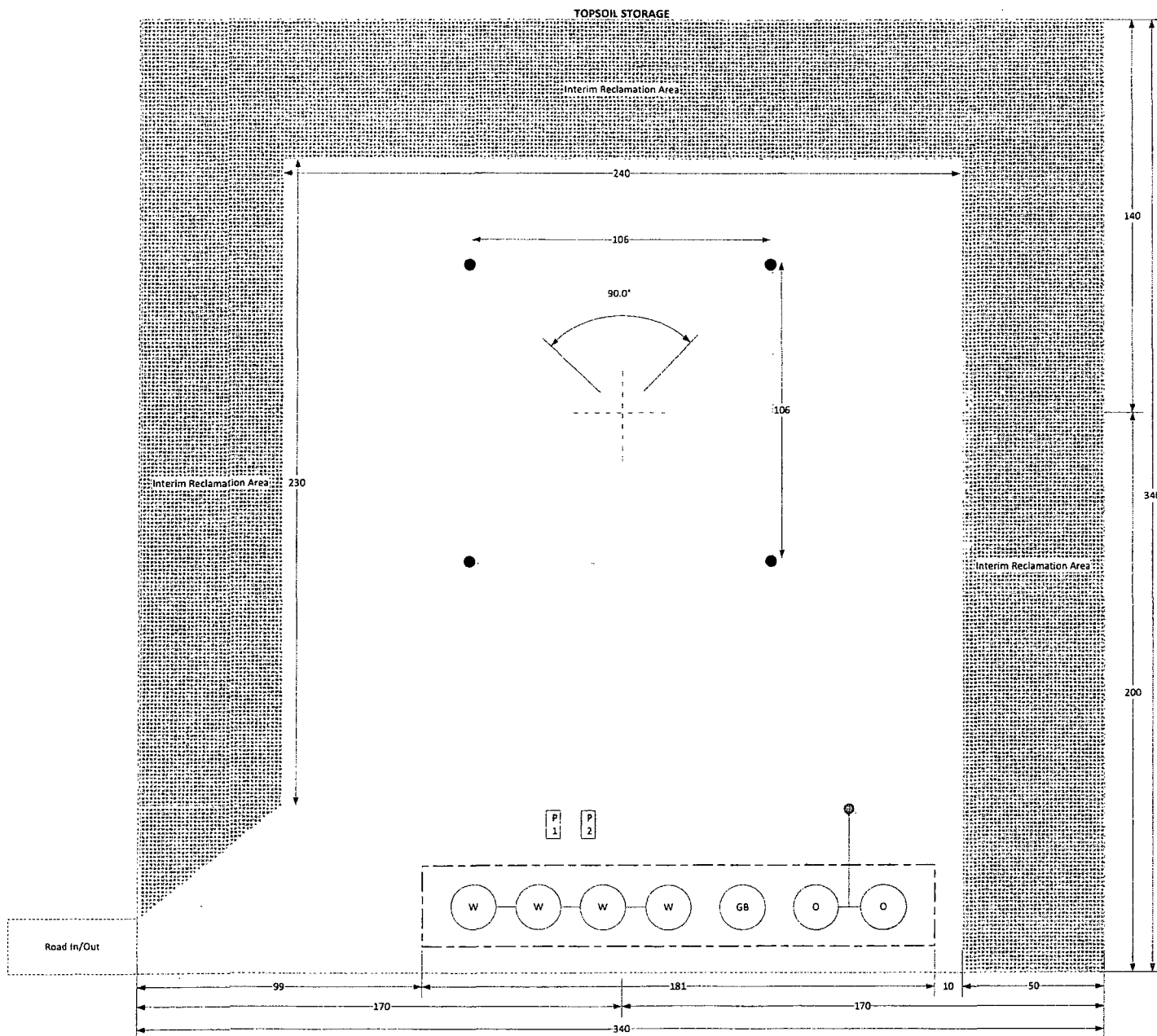
**Safety**

James Fischer (HSE Manager) Office (432) 686-3747

Cell (817) 253-3725

Brian Chandler Cell (806) 777-8814

Terry Maxwell (Consultant) Cell (432) 349-6926



# Legend



500 bbl  
Oil Tank



750 bbl  
Gun Barrel



500 bbl  
Water  
Tank



Injection  
Pump(s)



|   |           |            |
|---|-----------|------------|
| TITLE   |           |            |
| Endurance 25 Fed #2 SWD   |           |            |
| DESCRIPTION   |           |            |
| Proposed Injection facility with planned intermediate reclamation |           |            |
| DRAWN BY  | REVISED   | SCALE      |
| PNH   | 8/08/2012 | 1" = 35 ft |