

JAN 09 2018

Hydrogen Sulfide Plan Summary

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- A. All personnel shall receive proper H₂S 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 with 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

- H₂S 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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HEMLOCK 32 STATE #702H

- **Mud program:**
The mud program has been designed to minimize the volume of H₂S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H₂S bearing zones.
- **Metallurgy:**
All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H₂S service.
- **Communication:**
Communication will be via cell phones and land lines where available.

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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.

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|---------------|-----------------------|
| EOG / Midland | Office (432) 686-3600 |
|---------------|-----------------------|

Company Drilling Consultants:

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|-----------------|---------------------|
| David Dominique | Cell (985) 518-5839 |
| Mike Vann | Cell (817) 980-5507 |

Drilling Engineer

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|---------------|-----------------------|
| Steve Munsell | Office (432) 686-3609 |
| | Cell (432) 894-1256 |

Drilling Manager

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|-----------------|-----------------------|
| Floyd Hernandez | Office (432) 686-3716 |
| | Cell (817) 682-4569 |

Drilling Superintendent

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|------------------|-----------------------|
| Jason Fitzgerald | Office (432) 848-9029 |
| | Cell (318) 347-3916 |

H&P Drilling

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|----------------------|-----------------------|
| H&P Drilling | Office (432) 563-5757 |
| H&P 651 Drilling Rig | Rig (903) 509-7131 |

Tool Pusher:

| | |
|-----------------|---------------------|
| Johnathan Craig | Cell (817) 760-6374 |
| Brad Garrett | |

Safety

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|------------------------------|-----------------------|
| Brian Chandler (HSE Manager) | Office (432) 686-3695 |
| | Cell (817) 239-0251 |