EOG RESOURCES, INC. GEM 36 STATE COM #601H

MAK U 1 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/Escape 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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■ 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

Lea County Sheriff's Department Rod Coffman (575) 396-3611 Fire Department: (575) 885-3125 Carlsbad Artesia (575) 885-3125 Artesia (575) 887-4121 Artesia (575) 746-5050 Hospitals: (575) 887-4121 Artesia (575) 748-3333 Hobbs (575) 392-1979 Dept. of Public Safety/Carlsbad (575) 885-3281 New Mexico Oil Conservation (575) 885-3281 New Mexico Oil Conservation (575) 885-3281 U.S. Dept. of Labor (575) 887-1174 EOG Resources, Inc. EOG / Midland EOG / Midland Office (432) 686-3600 Company Drilling Consultants: Cell (817) 980-5507 Drilling Engineer Steve Munsell Office (432) 686-3609 Steve Munsell Office (432) 686-3716 Cell (817) 682-4569 Drilling Manager Cell (817) 682-4569 Prilling Superintendent Jason Fitzgerald Office (432) 848-9029 Drilling Rig Office (432) 848-9029 H&P Drilling Cell (817) 682-5757 H&P Drilling Rig (903) 509-7131 Tool Pusher: Johnathan Cr	PUBLIC SAFETY:		911 or
Fire Department:	Lea County Sheriff's Department		(575) 396-3611
Carlsbad	Rod Coffman		
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Hobbs	Carlsbad		(575) 887-4121
Dept. of Public Safety/Carlsbad	Artesia		(575) 748-3333
Highway Department	Hobbs		(575) 392-1979
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Cell (817) 239-0231		Cell	(817) 239-0251