

ENDEAVOR ENERGY RESOURCES, L.P.

Battle Axe Federal Com #2H

API# 30-025-41370

HOBBS OCD

JAN 13 2014

30-025-41370

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Hydrogen Sulfide Plan

- All personnel shall receive proper H₂S training in accordance with Onshore Order III.C.3.a
- Briefing Area: Two perpendicular areas will be designated by signs and readily accessible.
- Required Emergency Equipment
 - Well control equipment:
 - i. Flare line 150' from wellhead to be ignited by a flare gun
 - ii. Choke manifold with a remotely operated choke
 - iii. Mud/Gas Separator
 - Protective equipment for essential personnel:
 - i. Rescue Packs (SCBA) – 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer
 - ii. Emergency Escape Packs – 4 packs shall be stored in the doghouse for emergency evacuation.
 - H₂S detection and Monitoring System:
 - i. The Tool Pusher will have two personal H₂S monitors on location: one for him and another for his designee. All Co Reps will have a personal monitor also.
 - a) These must be certified at least once per month
 - b) Endeavor Safety will coordinate this
 - ii. Rig up Hydrogen Sulfide Package after nipping up the BOP's on surface casing which includes 1 monitor w/ 3 sensor heads located at the:
 - a) BOP
 - b) Rig floor
 - c) Flow line / shale shaker
 - This sensor must be moved by either the rig crew or Safety vendor when we change circulation modes.
 - iii. Escape pack for every crew member (4 or 5) on the rig floor
 - iv. Two briefing areas with two 30 min rescue packs each
 - v. Sign at the location entrance
 - vi. Two wind socks
 - Visual Warning System:
 - i. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
 - ii. A colored condition flag will be on display, reflecting the current condition at the site at the time.
 - iii. Two wind socks will be placed in strategic locations, visible from all angles.
 - Mud Program:
 - i. 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:
 - i. All drill strings, casings, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifolds and lines, and valves shall be suitable for H₂S service.
 - Communication:
 - i. Communication will be via cell phones and land lines where available

JAN 15 2014

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Public Safety:

911 or call the following:

Lea Co Sheriff's Department (Rod Coffman):	(575) 396-3611
Fire Department:	
Carlsbad	(575) 855-3125
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

Endeavor Energy Resources

Endeavor Energy Resources (Midland Office)	(432) 687-1575
Company Drilling Consultant:	
Trailer	(575) 201-8657
Roy Reeser	(575) 201-8656
Robert Soliz	(575) 201-8657
Drilling Manager	
Kelvin Fisher	(432) 634-5621
Drilling Superintendent	
Pat Leech	(432) 634-1456
Big Dog Drilling	
Big Dog (Midland Office)	(432) 561-5271
Tool Pusher	
C.Fischer	(432) 556-3642
Alex Reyna	(432) 557-3344
Safety	
SeCorp -24 hr	(432) 614-2565
Cris Barber	(325) 277-1254

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