

PROCEDURE FOR BLOWOUT AND GAS KICK CONTROL

A. Upon an increase of 5 barrels of mud in the surface pits, the following procedure should be performed:

Driller - Pick up drill string and shut pumps down.

Derrickman - Go to mud pits, measure pit volume with tape, and on pit volume control, and check mud weight. Stand by for Driller's orders.

Motorman - Go to accumulator and standby to close hydril and choke line valve at a signal from the Driller. Then call the Tool Pusher and Company Representative on location.

Lead Tong Man - Go to tumble rod wheels and check the opening of the valves to choke manifold upon signal from Driller.

Back Up Man - Go to choke manifold and stand by for Driller's orders.

B. After the well is shut in, record stand pipe pressure and casing pressure immediately and every 2 minutes until pressures stabilize. Then, begin circulating slowly across choke manifold starting with a casing back pressure equal to the shut in casing pressure + 100 psi. While holding this back pressure, establish a constant pump rate and drill pipe circulating pressure. Maintain this constant circulating rate and constant circulating drill pipe pressure by adjusting back pressure with adjustable choke.

PROCEDURE FOR LOST CIRCULATION CONTROL

In the event a loss of 5 barrels of mud occurs, Driller is to pick up the drill pipe, shut down the mud pump and call the Tool Pusher and Company Representative. The casing annulus should be filled with measured volumes of the proper fluid until fluid level remains constant in hole or until a Company Representative arrives.

PROCEDURE WHILE MAKING TRIPS

While making trips out of the hole, fill up at least every 10 stands and measure volume of mud required for each fillup by pump stroke count and pit level. Watch for swabbing and if observed, shut down and check for flow.

While making trips in the hole, watch the pit level and flowline sensor for proper fluid displacement. If excessive displacement is observed, check for flow. Watch carefully also for loss of returns while going in the hole.

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