

TESTING: Upper Kelly Cock with pressure applied at bottom of kelly.

Test #21 Pressured to 5000# with loss of pressure; repressured to 5000# with loss of approximately 100# during first nine minutes then leveling out for remaining three minutes of test.

NO VISIBLE LEAK. PRESSURE LEVELING OUT TOWARDS APPROXIMATELY 4900#.

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TESTING: Drill Pipe Safety Valve (Dart) - loose on rig floor.

Test #22 Pressured to 4400# with leak to test sub. No test.

Test #23 Repeated test. Pressured to 5000# with loss of approximately 200# during first seven minutes then leveling out for remaining three minutes of test.

NO VISIBLE LEAK. PRESSURE LEVELING OUT TOWARDS APPROXIMATELY 4800#.

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A delay was observed to operation of blowout control equipment at the conclusion of testing - control valve to pipe rams bop not operating properly (corrected as needed). Closures were made using both closing unit pump and accumulators to the observed pressure of 1500# for test to ram type bops and 1000# for test to Hydril. Accumulators were pressured to 1500# at end of test. Control valves operated as indicated on closing unit manifold at end of test. Bop extentions were not hooked up - rig nippling up. No test desired to top of casing using packer, nor to the lower kelly cock.

YELLOW JACKET TOOLS AND SERVICES, INC.

ODESSA, TEXAS

Test made by Roscoe Maxwell *Roscoe Maxwell*