

Test #12 Pressured to 1200# with leak to flange between valve next to stack and chokeline and leak to flange between tee and chokeline. Tightened.

Test #13 Repeated test. Pressured to 5000# with slight loss of pressure; repressured to 5000# with loss of approximately 100# during first nine minutes then leveling out for remaining four minutes of test. NO VISIBLE LEAK. PRESSURE LEVELING OUT TOWARDS APPROXIMATELY 4900#.

TESTING: Check valve off stack on kill line, outlet valve off choke-manifold cross, and outside wing valves off manifold cross with pipe rams closed - pressure applied as before.

Test #14 Pressured to 5000# with loss of approximately 100# during first seven minutes then leveling out for remaining two minutes of test. NO VISIBLE LEAK. PRESSURE LEVELING OUT TOWARDS APPROXIMATELY 4900#.

A delay was observed to operation of blowout control equipment at the conclusion of testing - closing unit not operating properly due to inadequate air supply (to be serviced as needed). Closures were made using closing unit pump only to the observed pressure of 2500# for test to ram type bops and 1400# for test to Hydril. Accumulators depleted 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 upper kelly cock, to the lower kelly cock, or to the drill pipe safety valve.

YELLOW JACKET TOOLS AND SERVICES, INC.

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Test made by Billie Brogden *Billie Brogden*