

to 600# and closed Hydril and opened rams.

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

---

TESTING: Hydril with valve same as before.

Test #5 Pressured to 1400# with leak to flange between Hydril and pipe rams bop. Tightened.

Test #6 Repeated test. Pressured to 3000# with same leak. Pressure recorder chart ran over-time on this test. Tightened.

START CHART #2

Test #7 Repeated test. Pressured to 3000# with slight loss of pressure; repressured to 3000# with loss of approximately 200# during first sixteen minutes then leveling out for remaining two minutes of test.

NO VISIBLE LEAK. PRESSURE LEVELING OUT TOWARDS APPROXIMATELY 2800#.

---

No delay was observed to operation of blowout control equipment at the conclusion of testing. Closures were made using closing unit pump only to the observed pressure of 2500# for test to ram type bops and 1000# for test to Hydril. Accumulators were pressured to 2500# at end of test. Control valves operated as indicated on closing unit manifold at end of test. Bop extentions were hooked up - rig drilling. 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.

ODESSA, TEXAS

Test made by Billie Brogden *Billie Brogden*