TESTING: Drill Pipe Safety Value - loose on rig floor. <u>Leak thru drill pipe safety</u> value with no pressure being applied.

TESTING: Blind Rams with all values closed off choke-manifold cross - pressure applied thru guage connection.

- Test #1 Pressured to 1000# with <u>leak thru outlet value off</u> <u>choke-manifold cross</u> and <u>leak to flange between stack</u> <u>and value next to stack on chokeline</u>. Operated value and tightened flange.
- Test #2 Repeated test. Pressured to 3000# with loss of approximately 200# during first twelve minutes then leveling out for remaining two minutes of test. NO VISIBLE LEAK. PRESSURE LEVELING OUT TOWARDS APPROXIMATELY 2800#.

TESTING: Pipe Rams with value closed next to stack on chokeline - pressure applied down drill pipe.

Test #3 Pressured to 200# and released air; repressured to 200# and released air; repressured to 3000# with loss of approximately 100# during first fourteen minutes then leveling out for remaining one minute of test. NO VISIBLE LEAK. PRESSURE LEVELING OUT TOWARDS APPROXIMATELY 2900#.

TESTING: Hydril with value closed next to stack on chokeline.

Test #4 Pressured to 200# and released air; repressured to 200# and released air; repressured to 1500# with <u>leak to Hydril pack</u>-