

## CASING TESTING

### Surface Casing - 20"

1. Before drilling out cement, pressure casing with rig pump to 1500 psig for thirty minutes - 50 psig pressure drop acceptable. Drill cement and shoe; displace fresh water mud with 10# brine.

### Intermediate Casing - 13 3/8"

1. Before drilling shoe pressure casing to 2000 psig for thirty minutes with rig pump - 50 psig pressure drop acceptable.
2. After drilling shoe and five feet of new hole, pressure test to 10.5 ppg fluid equivalent at bottom of hole.

### Intermediate casing - 9 5/8"

1. Before and after drilling D. V. Tool pressure casing with Halliburton pump to 5000 psig for one hour - 50 psig pressure drop acceptable.
2. After drilling shoe and five feet of new hole, pressure test to 14 ppg fluid equivalent at bottom of hole.

### Liner - 7 5/8"

1. Displace mud with 10 ppg brine water.
2. Drill out cement from above and top of liner.
3. Pressure liner with Halliburton pump to 3000 psig for one hour - 50 psig pressure drop acceptable.

### Liner - 4 1/2"

1. Drill out cement from above and top of liner.
2. Pressure liner with Halliburton pump to 3000 psig for one hour - 50 psig pressure drop acceptable.