

### **C. WELL CONTROL EQUIPMENT**

#### **1. Blowout preventers (H2S rated) consisting of:**

- One (1) 13-5/8 in. - 10,000 psi WP Cameron, Type "U" double ram blowout preventer with manual locks, four (4) 4-1/16 in. x 10,000 psi WP flanged outlets and flanged 10,000 psi WP connections top and bottom.
- One (1) 13-5/8 in. - 5,000 psi WP Shafter annular preventer with 13-5/8 in. 5,000 psi WP stud top and 13-5/8 in. 10,000 psi WP flanged bottom.
- One (1) 4-1/16 in. x 10,000 psi WP hydraulic operated BOP kill valve.
- One (1) 4-1/16 in. x 10,000 psi WP manual operated BOP kill valve.
- One (1) 4-1/16 in. x 10,000 psi WP hydraulic operated BOP choke valves.
- One (1) 4-1/16 in. x 10,000 psi WP manual operated BOP choke valves.



**Double Ramp BOP**



**Remote BOP Control Panel**



**Shafter Annular**



**Valves**