

3000 lb. WP BOP

RIG #1

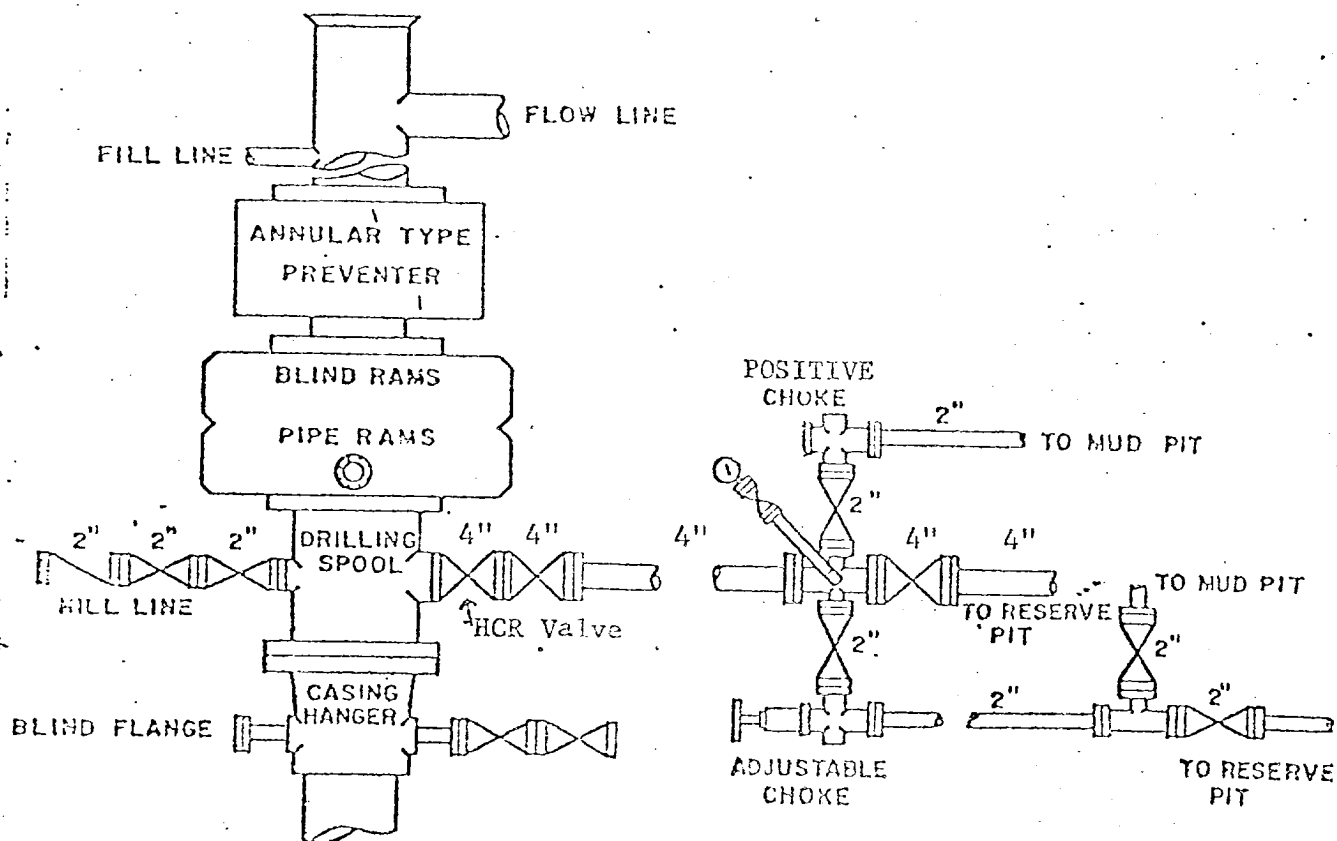
12" Shaffer Type B Hydraulic BOP 3000 PSI

12" CK Hydril 3000 WP

160 Gallon - 7 Station Koomey Accumulator with Remote Control

5000 lb. WP Choke Manifold

10" Type U Cameron 5000 WP, Double BOP



CLEARY PETROLEUM CORPORATION
NEW MEXICO FEDERAL "C" #1
LEA COUNTY, NEW MEXICO

RECOMMENDED DRILLING FLUID PROGRAM

Depth ft	Mud Weight ppg	Viscosity sec/qt	API Filtrate ml			
0' - 470'	8.5-9.0	35-42	NC	Spud with Drilling Gel and Lime maintaining as needed to set 13-3/8 pipe.		
470' - 5600'	8.5-10.0	32-34	NC	Drill out with fresh water letting native viscosity increase to 32 to 34 sec/qt. Around 1600', add 10 ppg brine water for salt stringers. Add and maintain 3% to 5% oil. Use Paper for seepage.		
5600' - 11000'	8.5-8.8	28-30	NC	Drill with fresh water, adding Lime for pH and Paper for seepage. Use Visbestos sweeps for hole cleaning.		
11000' - 14200'	10.0-10.2	30-34	Below 10	Displace with 10.0 ppg brine maintaining pH with Caustic Soda. At 13500', mud up with KCL, Drispac, Starch, and Soda Ash to produce the above properties. Adjust the mud weights and viscosities as hole conditions warrant.		