

AUXILIARY EQUIPMENT TO BE FURNISHED BY CONTRACTOR OR PZL AS CHECKED (X)

ITEM	Furnished By	
	Contr.	Pzl.
Automatic Accumulator and Master Control. See below for details.	X	
Remote set of closing unit controls with 2 stations	X	
Bag Preventer Pressure Regulating Control Valve on remote station	X	
Kelly Cocks: Upper - Make _____ Press. Rating 5000 FULL OPENING Lower - Make _____ Press. Rating _____	X	
Inside Blowout Preventer: Gray/Shaffer _____ PSI WP Drop-In (Hydril) _____ PSI WP		
Full Opening Ball Valve for each size drill pipe in use (Extra Lower Kelly Valves) 5000 PSI WP FULL OPENING	X	
Circulating Head for each type and size of tool joint in use	X	
Ft. of 2 in. steel hose (Chickson) _____ PSI WP		
Blind/Shear Ram		

**ACCUMULATOR AND MASTER CONTROL
SPECIFICATIONS
REQUIREMENTS CHECKED (X) SHALL APPLY**

X	ITEM
X	Accumulator Volume 80 gal., 3000 PSI WP Unit
X	Power for Pumps: Air X Air and Electric
X	Pumps Capacity SUFFICIENT CAPACITY TO RECHARGE COMPLETE UNIT IN 6 MINUTES. Gal/Min at PSI
X	Number of Control Valves Required 3
X	Pressure Regulator Valve to control pressure on bag preventer
X	Control Valves on both Master and Remote Control properly labeled with name of respective function and open and closed clearly marked.
X	Blind Ram control on both Master and Remote Control protected to avoid accidental activation. These control handles are not to be locked in position, however, as this could prevent activation from the remote station.
X	Hydraulic Lines from Accumulator to Hydraulic Device to be 0.9 inch minimum ID and have 5000 psi minimum working pressure.
X	Pressure Gauges showing accumulator pressure, manifold pressure, pressure on bag preventer and air supply pressure on both master and remote control stations.
X	Bottled Nitrogen _____ Bottles _____ ft ³ each at _____ psi manifolded to by-pass accumulator and operate BOP directly.

RECEIVED

OCT 19 1982

C.C.D.
HOBBS OFFICE