

TIMBER/SHARP DRILLING

B.O.P. Equipment Intended for use on Rig # 23

Well To Be drilled for Timber/Sharp Drilling, Inc.

' All B.O.P equipment is H2S Trim '

' All Accumulators are Kookey Type-80 : Dual Power Electric/Air '

' Choke Manifold: * See sheet 2

4" Valves : Cameron F/FC, Shaffer DB Hydraulic

2" Check Valve: Cameron Type R

2" Valves : Cameron or Shaffer

Annular: Shaffer Type: Spherical

Annular PSI: 3000

(If Shaffer: Spherical , If Hydril: Type GK)

BOP Type LWS 2 Gate

(If Shaffer: LWS or SL, If Cameron: Type U)

BOP Size: 11 " - 5000 PSI

Rotating Head Type Smith

Rot-Head Furnished By Timber/Sharp

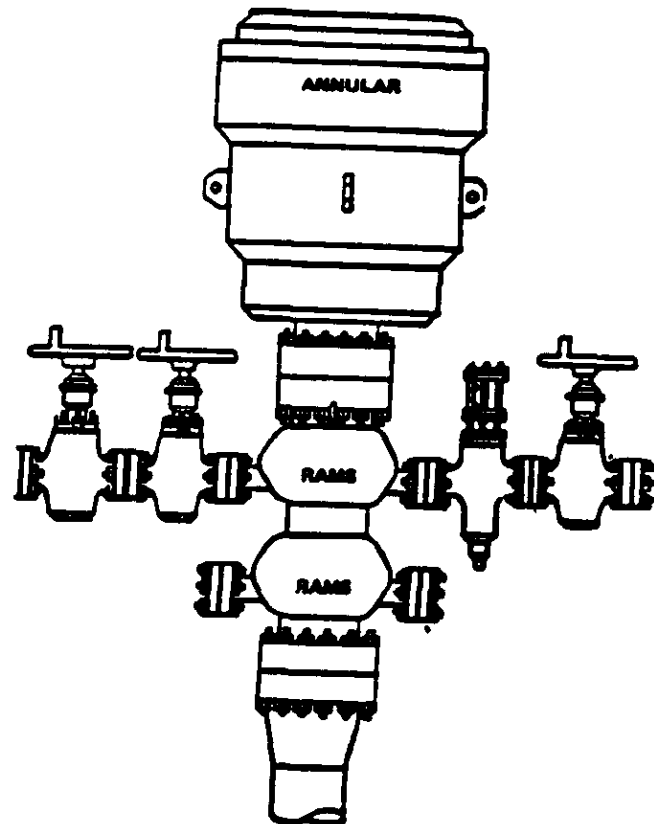
Rams in top gate: Blinds

Rams in bottom: 4 1/2" pipe

Side Outlets used:

Bottom X Top

4" Valves on Tee



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'All Valves (H2S)'

Choke Manifold:

Pressure Rating 3,000 or 5,000 (as Req.)

1 - 4" Valves (2 if Required)

4 - 2" Valves

2 - 2" Adjustable Chokes

Valve Types Used:

Cameron - F or FC

Shaffer - B Floseal

WKM - type 2

Chokes - Cameron H2 or TC unbolt

