YATES DETROLEUM CORPORATION

Yates Petroleum Corporatio

105 SOUTH 4th STREET ARTESIA, NEW MEXICO 88210

Patriot "AIZ" #11
660' FNL and 1980' FWL
Sec. 21-19S-25E
Eddy County, New Mexico

HYDRAULICALLY OPERATED B.O.P.

J" rominal

adjustable choke

choke

adjustable cloke

typical choke manifold assemby for 14 rated working pressure service-surface installation

to pit and/or mud/gas separator

blead line to pit

minal

THE FOLLOWING CONSTITUES THE MINIMUM BLOWOUT PREVENTER REQUIREMENTS FOR 3000 PSI WP SYSTEMS

 All preventers to be hydraulically operated with secondary manual controls installed prior to drilling out from under casing.

blowout, preventer

outlet

2. Choke outlet to be a minimum of 3" diameter.

BT.TUD

255 200

VALVE

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RATED 3000 LBS

2". KILL

九圆

CHECK

CASINGHEAD OR BRADENHEAD

- 3. Kill line to be of all steel construction of 3" minimum diameter.
- 4. All connections from operating manifolds to preventers to be all steel. Hole or tube to be a minimum of one inch in diameter.
- 5. The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate the B.O.P.'s.
- 6. All connections to and from preventer to have a pressure rating equivalent to that of the B.O.P.'s.
- 7. Inside blowout preventer to be available on rig floor.
- Operating controls to be located a safe distance from the rig floor.
- 9. Hole must be kept filled on trips below intermediate casing.