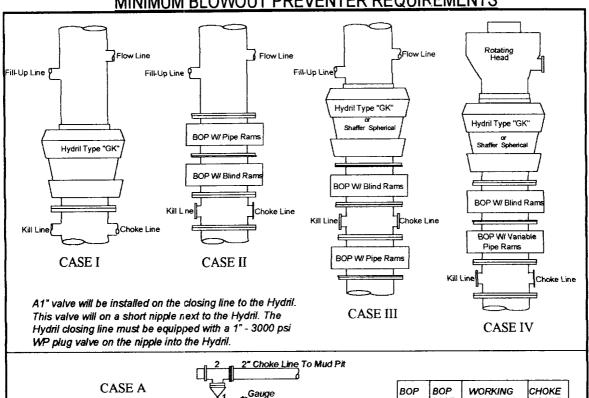
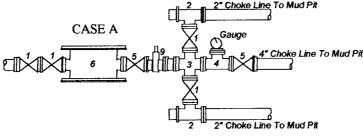
Nagel and Gussman Permian. FALO DURO Well#1



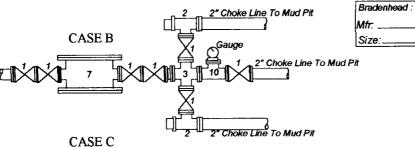




BOP SIZE	BOP CASE	WORKING PRESSURE	CHOKE CASE
13-5-8	111	3 (i(i))	\
11"	IZ.	5000	Α.

*Rotating head required

Туре:



2" Choke Line To Mud Pit

<u>Legend</u>

- 1. 2" flanged all steel valve must be either Cameron "F", Halliburton Low Torque or Shaffer Flo-Seal
- 2. 2" flanged adjustable chokes, min. 1" full opening & equiped with hard trim.
- 3. 4" x 2" flanged steel cross.
- 4. 4" flanged steel tee.
- 5. 4" flanged all steel valve (Type as in no. 1).
 6. Drilling Spool with 2" x 4" flanged outlet.
 7. Drilling Spool with 2" x 2" flanged outlet.

- 8. 2" x 2" flanged steel cross.
- 9. 4" pressure operated gate valve.
- 10. 2" flanged steel tee.

Notes

Choke manifold may be located in any convenient position. Use all steel fittings throughout. Make 90° turns with bull plugged tees only. No field welding will be permitted on any of the components of the choke manifold and related equipment upstream of the chokes. The choke spool and all lines and fittings must be at least equivalent to the test pressure of the preventers required. Independent closing control unit with clearly marked controls to be located on derrick floor near driller's position.

(10-31-96) WTXBOPS.PPT