MUD PROGRAM

JAMES E WELL NOS. 11, 12, 13, & 14

4 500′ - 7700′	3700′ - 4500′	4 75′ - 3700′	Surf - 475'	DEPTH
8.5-9.0 ppg	8.3-9.5 ppg	10.0 ppg	8.3-9.0 ppg	MUD WEIGHT
32-38 sec/1000 cc	28-36 sec/1000 cc	29-32 sec/1000 cc	28-36 sec/1000 cc	VISCOSITY
15 cc or less	1	į	-	FLUID LOSS
ı	•	Saturated	•	CL PPM
 1	•	ı	ı	% SOLIDS
Gel/Drispac Plus		Native Solids	Native Solids	ADDITIVES

reserve Remarks: Use DBX dripped into flowline 10-15' upstream from lower end if extra settling of solids is desired while circulating the

The Mud Engineer shall include on each test report the materials used for the previous 24 hr. period. Twice weekly mail copies of the test reports to:

A. C. Sewell 4001 Penbrook Odessa, Texas 79762

Send two copies of the Well Recap (Final Cost & Engineering Summaries) to A. C. Sewell at the above address.

FIELD PRACTICES AND STANUARDS

ALTERNATIVE 2

ALTERNATIVE 1 ANNULAR PREVENTER

- 1. BELL NIPPLE 2. FLOW LINE
- 1. FILL-UP LINE
- 4. 2" FE PRESSURE OPERATED CHOKE LINE VALVE
- 5. 2" FE GATE VALVE 6. 2" FE CHOKE LINE TO MANIFOLD
- 7. 2" FE GATE VALVES
- 8. 2" FE KILL LINE
- 9. DRILLING SPOOL
- 10. 2" SE OR FE GATE VALVE WITH NEEDLE VALVE
- 11. CASING HEAD HOUSING

NOTE: THE DRILLING SPOOL MAY BE LOCATED BELOW BOTH SETS OF RAMS IF A DOUBLE PREVENTER IS USED AND IT DOES NOT HAVE SUITABLE OUTLETS BETWEEN RAMS

Figure 7-9. Standard Hydraulic Blowout Preventer Assembly (2 M or 3 M Working Pressure) Alternative 1

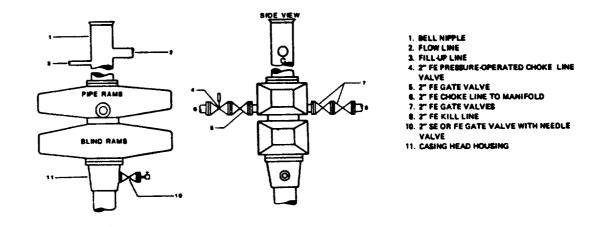


Figure 7-10. Standard Hydraulic Blowout Preventer Assembly (2 M or 3 M Working Pressure) Alternative 3 (without Drilling Spool)

Well Control 4 January/83