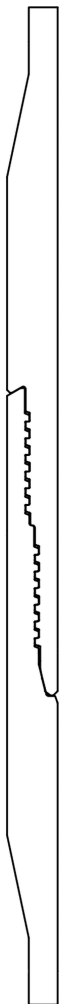


OIL DOG



PIPE RENTALS LP



CONNECTION PERFORMANCE DATA

2 1/16 in 3.25 lbs/ft P110 CS Hydril

TUBULAR DATA

TUBE O.D.	2.063	in	
TUBE I.D.	1.751	in	
TUBE WALL	0.156	in	80% Safety Factor
DRIFT DIA.	1.657	in	
PIPE BODY CSA	0.935	in ^{2}	
TENSION YLD.	102,800	lbs	82,240
COMPRESSION YLD.	102,800	lbs	82,240
INTERNAL PRESSURE YLD.	14,560	psi	11,648
COLLAPSE PRESSURE YLD.	14,600	psi	11,680
BENDING YLD.	244	°/100ft	
TORSION YLD.	4,386	ft-lb	

CONNECTION DATA

CONNECTION O.D.	2.335	in	
CONNECTION I.D.	1.7	in	
S/C DIA.	2.295	in	
MAKE-UP LOSS	2.23	in	
CONNECTION CSA	0.978	in ^{2}	
STRING LENGTH (1.6 S/F)	19,810	ft	
TENSION YLD.	113,100	lbs	110.00% eff
COMPRESSION YLD.	100,082	lbs	97.00% eff
INTERNAL PRESSURE YLD.	14,560	psi	
COLLAPSE PRESSURE YLD.	14,600	psi	
BENDING YLD.	287.1	°/100ft	
TORSION YLD.	2,513	ft-lb	
OPERATING TORQUE	2,010	ft-lb	

MAKE-UP TORQUE

MINIMUM MAKE-UP TORQUE	900	ft-lb
OPTIMUM MAKE-UP TORQUE	1,013	ft-lb
MAXIMUM MAKE-UP TORQUE	1,125	ft-lb