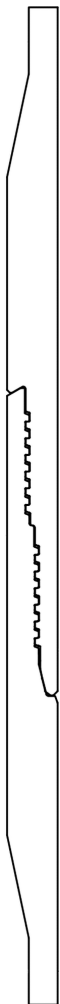


OIL DOG



PIPE RENTALS LP



CONNECTION PERFORMANCE DATA

1 in	2.25 lbs/ft	P110	CS Hydril
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TUBULAR DATA

TUBE O.D.	1.315	in	
TUBE I.D.	0.957	in	
TUBE WALL	0.179	in	80% Safety Factor
DRIFT DIA.	0.848	in	
PIPE BODY CSA	0.639	in ^{2}	
TENSION YLD.	70,300	lbs	56,240
COMPRESSION YLD.	70,300	lbs	56,240
INTERNAL PRESSURE YLD.	26,200	psi	20,960
COLLAPSE PRESSURE YLD.	25,870	psi	20,696
BENDING YLD.	383	°/100ft	
TORSION YLD.	1,699	ft-lb	

CONNECTION DATA

CONNECTION O.D.	1.600	in	
CONNECTION I.D.	0.864	in	
MAKE-UP LOSS	2.220	in	
CONNECTION CSA	0.703	in ^{2}	
STRING LENGTH (1.6 S/F)	18,440	ft	
TENSION YLD.	80,100	lbs	114.00% eff
COMPRESSION YLD.	82,528	lbs	117.00% eff
INTERNAL PRESSURE YLD.	26,200	psi	
COLLAPSE PRESSURE YLD.	25,870	psi	
BENDING YLD.	596	°/100ft	
TORSION YLD.	1,357	ft-lb	
OPERATING TORQUE	1,086	ft-lb	

MAKE-UP TORQUE

MINIMUM MAKE-UP TORQUE	400	ft-lb
OPTIMUM MAKE-UP TORQUE	450	ft-lb
MAXIMUM MAKE-UP TORQUE	500	ft-lb