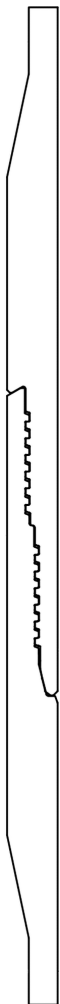


OIL DOG



PIPE RENTALS LP



CONNECTION PERFORMANCE DATA

1 1/2 in	3.64 lbs/ft	P110	CS Hydril
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TUBULAR DATA

TUBE O.D.	1.900	in	
TUBE I.D.	1.500	in	
TUBE WALL	0.200	in	80% Safety Factor
DRIFT DIA.	1.406	in	
PIPE BODY CSA	1.068	in ^{2}	
TENSION YLD.	117,500	lbs	94,000
COMPRESSION YLD.	117,500	lbs	94,000
INTERNAL PRESSURE YLD.	20,260	psi	16,208
COLLAPSE PRESSURE YLD.	20,720	psi	16,576
BENDING YLD.	265	°/100ft	
TORSION YLD.	4,356	ft-lb	

CONNECTION DATA

CONNECTION O.D.	2.162	in	
CONNECTION I.D.	1.440	in	
MAKE-UP LOSS	2.220	in	
CONNECTION CSA	1.034	in ^{2}	
STRING LENGTH (1.6 S/F)	20,090	ft	
TENSION YLD.	117,500	lbs	100.00% eff
COMPRESSION YLD.	115,908	lbs	99.00% eff
INTERNAL PRESSURE YLD.	20,260	psi	
COLLAPSE PRESSURE YLD.	20,720	psi	
BENDING YLD.	313.6	°/100ft	
TORSION YLD.	2,675	ft-lb	
OPERATING TORQUE	2,140	ft-lb	

MAKE-UP TORQUE

MINIMUM MAKE-UP TORQUE	800	ft-lb
OPTIMUM MAKE-UP TORQUE	900	ft-lb
MAXIMUM MAKE-UP TORQUE	1,000	ft-lb