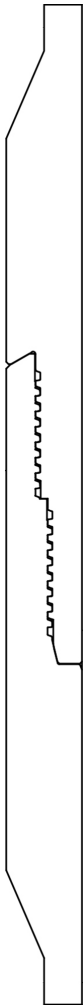


OIL DOG



PIPE RENTALS LP



CONNECTION PERFORMANCE DATA

2 7/8 in 7.90 lbs/ft P110 BEN-HT6

TUBULAR DATA

TUBE O.D.	2.875	in	
TUBE I.D.	2.323	in	
TUBE WALL	0.276	in	80% Safety Factor
DRIFT DIA.	2.229	in	
PIPE BODY CSA	2.254	in ^{2}	
TENSION YLD.	247,900	lbs	
COMPRESSION YLD.	247,900	lbs	198,320
INTERNAL PRESSURE YLD.	18,480	psi	14,784
COLLAPSE PRESSURE YLD.	19,090	psi	15,272
BENDING YLD.	175	°/100ft	
TORSION YLD.	14,160	ft-lb	

CONNECTION DATA

CONNECTION O.D.	3.448	in	
CONNECTION I.D.	2.270	in	
S/C DIA.	3.312	in	
MAKE-UP LOSS	3.050	in	
CONNECTION CSA	2.373	in ^{2}	
STRING LENGTH (1.6 S/F)	19,620	ft	
TENSION YLD.	261,000	lbs	105.00% eff
COMPRESSION YLD.	285,300	lbs	115.00% eff
INTERNAL PRESSURE YLD.	18,480	psi	
COLLAPSE PRESSURE YLD.	19,090	psi	
BENDING YLD.	175.0	°/100ft	
TORSION YLD.	11,240	ft-lb	
OPERATING TORQUE	10,030	ft-lb	

MAKE-UP TORQUE

MINIMUM MAKE-UP TORQUE	3,900	ft-lb
OPTIMUM MAKE-UP TORQUE	5,450	ft-lb
MAXIMUM MAKE-UP TORQUE	7,000	ft-lb