CONNECTION DATA SHEET

1" 1.80 lbs/ft CS Hydril	N-80	L-80	T-95	P-110
TUBULAR DATA				
Tube O.D. (in.)	1.315	1.315	1.315	1.315
Tube I.D. (in.)	1.049	1.049	1.049	1.049
Grade	N-80	L-80	T-95	P-110
Wall (in.)	0.133	0.133	0.133	0.133
Drift Dia. (in.)	0.955	0.955	0.955	0.955
Pipe Body CSA (in. squared)	0.494	0.494	0.494	0.494
Yld. In Tension (lbs.)	40,000	40,000	47,000	54,000
Internal Pressure Yld. (psi)	14,160	14,160	16,815	19,470
Collapse Pressure Yld. (psi)	14,550	14,550	17,270	20,000
Tube Compression Yld. (lbs.)	40,000	40,000	47,000	54,000
Torsion Yld. (ft.-lbs.)	1,022	1,022	1,214	1,405
Bending Yld. (deg./100ft.)	279	279	331	383
CONNECTION DATA				
Connection O.D. (in.)	1.552	1.552	1.552	1.552
Connection I.D. (in.)	0.970	0.970	0.970	0.970
S/C Dia. (in.)	1.525	1.525	1.525	1.525
Make-Up Loss (in.)	2.220	2.220	2.220	2.220
Conn. CSA (in. squared)	0.549	0.549	0.549	0.549
Tension Efficency (%)	117	117	117	117
String Length (1.6 SF) (ft.)	13,890	13,890	16,320	18,750
Conn. Int. Yld. (psi.)	14,160	14,160	16,815	19,470
Conn. Collapse Yld. (psi.)	14,550	14,550	17,270	20,000
Conn. Compression (psi.)	37,922	37,922	45,032	52,143
Conn. Torsion Yld. (lbs.)	610	610	725	839
Conn. Bending Yld (deg./100ft.)	350	350	415.6	481.3
Operating Torque (ft-lbs)	488	488	580	671
RECOMMENDED MAKE-UP TORQUE (FT-LBS)				
Mininum Make-Up Torque (ft.-lbs)	400	400	400	400
Optimum Make-Up Torque (ft.-lbs)	450	450	450	450
Maximum Make-Up Torque (ft.-lbs)	500	500	500	500