GULF ENGINEERING SERVICES LTD.
DRILL PIPE PERFORMANCE SHEET

Size and Weight:	**5.875” 26.30 ppf 0.415” wall IEU**
Grade:	**S-135**
Range:	**2**
Tool Joint:	**7.000” x 4.250” XT57**

PIPE BODY:

	Nominal 100% RBW	95% RBW	Ultra Class 90% RBW	Premium 80% RBW
OD (in):	5.875	5.834	5.792	5.709
Wall Thickness (in):	0.415	0.394	0.374	0.332
Nominal ID (in):	5.045	5.045	5.045	5.045
Tensile Strength (lbs):	961 001	909 482	858 327	757 114
Torsional Strength (ft-lbs):	117 915	111 476	105 101	92 533
Burst Capacity (psi):	16 688	18 119	17 165	15 258
Collapse Capacity (psi):	14 892	13 540	12 169	9 368

Notes: Body Properties are calculated based on uniform OD and wall thickness. Burst capacity for Nominal (100% RBW) based on 87.5% RBW per API.

CONNECTION: XT57

Tool Joint OD (in):	**7.000**
Tool Joint ID (in):	**4.250**
Connection MYS (ksi):	120
Maximum MUT (ft-lbs):	**56 500**
Tension at Shoulder Separation @ Max MUT (lbs):	Tensile Limited
Tension at Connection Yield @ Max MUT (lbs):	959 500
Minimum MUT (ft-lbs):	**47 200**
Tension at Shoulder Separation @ Min MUT (lbs):	Tensile Limited
Tension at Connection Yield @ Min MUT (lbs):	1 196 200
Tool Joint Torsional Strength (ft-lbs):	94 200
Tool Joint Tensile Strength (lbs):	1 200 500

XT57 is a trademark of NOV Grant-Prideco.
Note: MUT values are based on a friction factor of 1.0. There is no published pressure rating for this connection.

TUBULAR ASSEMBLY:

Adjusted Weight (lbs/ft):	30.88	Fluid Displacement (gal/ft):	0.47
Approximate Length (ft):	32.1	Fluid Displacement (bbls/ft):	0.0112
Box TJ Length (in):	17	Fluid Capacity w/IPC (gal/ft):	0.99
Pin TJ Length (in):	12	Fluid Capacity w/IPC (bbls/ft):	0.0235
Upset Type:	IEU	Fluid Capacity w/o IPC (gal/ft):	0.99
Max Upset OD (in):	6.000	Fluid Capacity w/o IPC (bbls/ft):	0.0236
Drift Size (in):	4.125		

Note: These are OEM values that may vary with actual values due to mill tolerances, IPC tolerances, OEM rounding, and other factors. Pipe is purchased at a guaranteed 95% RBW. IPC is applied to a nominal thickness of 0.009”.

ELEVATOR SHOULDER:

Smooth Edge Height (in):	3/32
Smooth Edge OD (in):	7.188
SE Elevator Shoulder Capacity (lbs):	1 223 100
Nominal TJ OD (in):	7.000
Nominal TJ OD Elevator Shoulder Capacity (lbs):	993 000
Assumed Elevator Bore (in):	6.125

Note: Elevator capacity based on assumed elevator bore, no wear factor, and contact stress of 110 100 psi. An increased elevator shoulder OD increases elevator capacity without affecting make-up torque.