

## DRILL PIPE PERFORMANCE CHARACTERISTICS SHEET

DRILL PIPE				
B. B. III.			$ \wedge $	<del> </del>
Pipe Size and Weight:	4.5" x 16.6PPf		[2]	<del>i</del>
Pipe Grade:	S 		_     \	6.25" OD
Range:	<del>-</del>			
Tool Joint:	6.1/4" x 2.75" NC46		<u> </u>	T
PIPE		<del>- </del>	}	
Dimensional Data	New	<del>-</del>		
OD (in)	4.500			3.0" ID
Wall thickness (in)	0.337			0.0 15
Minimum wall (%)	95.0			į į
ID (in)	3.826			
Cross sectional area pipe body (in²)	4.407			
Cross sectional area OD (in²)	15.904			
Cross sectional area ID (in²)	11.497			i
Section modulus (in³)	4.271			
Polar section modulus (in³)	8.543			
		_		4.5"OD
Performance Data	New			
Torsional strength (ft-lbs)	55,453			
Tensile strength (lbs)	595,004			
80% Torsional strength (ft-lbs)	44,362			
Burst Pressure capacity (psi)	17,693	31.5		i i
Collapse capacity (psi)	16,769	_		
TOOL JOINT		<del>- </del>		
Dimensional Data	New			3.826" ID
OD (in)	6.250			`
ID (in)	2.750			
Pin tong length (in)	9			i
Box tong length (in)	12			į į
Connection	NC46			
		_		
Performance Data	New	_		į į
Torsional Strength (ft-lbs)	44,871			
Max Recommended Make-up Torque (ft-lbs)	26,923			
Min Recommended Make-up Torque (ft-lbs)	20,192	<b>—</b>		2.75" ID
Tensile strength (lbs)	1,183,908	<b></b>	J	)
Tool joint/Drill pipe torsional ratio (New pipe)	0.81	$\dashv$	★ (	! / }
		$\dashv$		Ki
Drill pipe assembly with NC46 tool joint		<del>- </del>	<u></u> б	
Average length (ft)	31.5	<u> </u>	↓	
Drift size (in)	2.625	$\dashv$	\	<del>     </del>
2 3.23 (11)	5=0	<del>- </del>	/	$\langle   \cdot   \cdot  $
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Note: Tool Joint and Pipe body values were derived as per API RP 7G and DS1 Latest edition. The above values are for refrence only. DPI LLC is not responsible or liable for any loss or damage or injury resulting from the use of above information.