



**TECHNICAL SPECIFICATION FOR NEW
SMF 6.5/8" SPECIAL THICK WALL DRILL PIPE**

<u>SIZE</u>	6.5/8"
TOOL JOINT O/D	8-1/4"
TOOL JOINT I/D	3-1/2"
CONNECTIONS	6.5/8" FH
CENTRAL PART MATERIAL	AISI 1340
TOOL JOINT MATERIAL	AISI 4145H Modified

TOOL JOINT

TENSILE YIELD	2,435,555 LBS
TORSIONAL YIELD	108,536 FT.LBS
MAKE UP TORQUE	65,122 FT.LBS (at 60% of material yield strength)
BENDING STRENGTH RATIO (BSR)	1.776
PIN TOOL JOINT LENGTH	34 IN
BOX TOOL JOINT LENGTH	24 IN

TUBE DATA

CENTRAL UPSET OD	7"
OVERALL LENGTH	31 FT
INSIDE DIAMETER	4-1/2"
TENSILE YIELD	1,206,875 LBS
TORSIONAL YIELD	140,458 FT.LBS
CROSS SECTIONAL AREA	18.567 IN ²
SECTION MODULUS	22.470 IN ³

OPERATIONAL DATA

APPROXIMATE WEIGHT	2,787 LBS PER JOINT
WEIGHT PER FOOT	90 LBS/FT
DISPLACEMENT:	
OPEN END	42.54 GAL PER JOINT
CLOSED END	66.37 GAL PER JOINT
CAPACITY:	23.83 GAL PER JOINT
BURST PRESSURE:	20,849 PSI
COLLAPSE PRESSURE:	17,505 PSI
MINIMUM BENDING RADIUS:	323 FT
MAXIMUM BUILD-UP RATE:	0.177 °/FT

- NOTE 1: ALL CALCULATIONS IN CONFORMITY WITH API RP 7G LATEST EDITION.
 NOTE 2: ALL CONSTRUCTION, FEATURES AND MATERIAL CHARACTERISTICS IN CONFORMITY WITH API SPEC 7.
 NOTE 3: HARD BANDING ON TOOL JOINTS IS ARNCO 200XT (PROUD).