

Equipment No's: Ref. Enclosed page

Spec. No.: DP-4-01

TECHNICAL SPECIFICATIONS

4" OD Drill Pipe, S-135, NC-40 Vam Eis Conn's.

New

Premium

80% Remaining Body Wall

DESCRIPTION

Type IU, 15.70 #
 Range 2
 Conventional=welded T-J. / Integral=Monoblock Conventional

TUBE DATA

Material grade			S-135	
Internal plastic coating			TK-34P	
Tube body OD x ID	inch	4,000	3,240	3,848 3,240
Wall thickness, nominal	inch	0,380		0,304
Cross Sectional Area	inch ²	4,322		3,385
Polar Sectional Modulus	inch ³	7,157		5,564
Tensile yield pipe	lbf	583 400		456 900
	kN	2 595		2 032
Torsional yield pipe	lbf-ft	46 460		36 120
	kNm	63,0		49,0
80% Torsional Yield	lbf-ft	37 168		28 896
	kNm	50,4		39,2

CONNECTIONS DATA

Connection type			NC-40 Vam Eis	
Material grade			120 ksi	
Hardbanding			Arnco-300XT	
OD x ID	inch	5,000	2,563	4,859 2,563
B.S.R.	x : 1	1,90		1,67
Tensile yield tooljoint	lbf	628 500		497 500
	kN	2 796		2 213
Torsional yield tooljoint	lbf-ft	31 070		26 580
	kNm	42,1		36,0
Make up torque (Max.)	lbf-ft	17 700		15 200
	kNm	24,0		20,6

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio	=> 0.80	0,67		0,86
Drift diameter	inch		2,438	
Type of elevator shoulder			18°	
Burst pressure	psi	22 440		20 520
	Mpa	155		141
Collapse pressure	psi	23 210		18 590
	MPa	160		128
Adjusted weight	lbs/ft		17,9	
	kg/mtr		26,6	
Approx weight each joint	lbs		563	
	kg		255	
Capacity	gal/ft		0,410	
	ltr/mtr		5,09	
Open end displacement	gal/ft		0,273	
	ltr/mtr		3,39	
Closed end displacement	gal/ft		0,68	
	ltr/mtr		8,48	
Built In Length (shoulder to shoulder)	ft		31,5	
	mtr.		9,6	

Calculated using nominal OD & ID. Safety & Dope friction factor used: 1.0

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<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-402	470	OWS-001 to OWS-473