

Equipment No's: Ref. Enclosed page

Spec. No.: DP-4-02

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		130 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	680 900			539 000
	kN	3 029			2 398
Torsional yield tooljoint	lbf-ft	33 650			28 800
	kNm	45,6			39,0
Make up torque (Max.)	lbf-ft	19 200			16 400
	kNm	26,0			22,2

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio	=> 0.80	0,72		0,93
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-403	486	OWS-500 to OWS-989