

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5.5-02

TECHNICAL SPECIFICATIONS

5-1/2" OD Drill Pipe, S-135, 5-1/2" FH. DSTJ Conn's.

New

Premium

80% Remaining Body Wall

DESCRIPTION

Type IEU, 21.90 #
 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	5,500	4,778	5,355 4,778
Wall thickness, nominal	inch	0,361		0,289
Cross Sectional Area	inch ²	5,828		4,592
Polar Sectional Modulus	inch ³	14,062		11,042
Tensile yield pipe	lbf	786 800		619 900
	kN	3 500		2 757
Torsional yield pipe	lbf-ft	91 280		71 680
	kNm	123,8		97,2
80% Torsional Yield	lbf-ft	73 024		57 344
	kNm	99,0		77,7

CONNECTIONS DATA

Connection type			5-1/2" FH. DSTJ	
Material grade			120ksi	
Hardbanding			Arnco-300XT	
OD x ID	inch	7,000	3,500	6,719 3,500
B.S.R.	x : 1	1,97		1,64
Tensile yield tooljoint	lbf	1 399 900		1 036 300
	kN	6 227		4 610
Torsional yield tooljoint	lbf-ft	81 550		63 100
	kNm	110,6		85,6
Make up torque (Max.)	lbf-ft	57 100		44 200
	kNm	77,4		59,9

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio		0,89		1,14
Drift diameter	inch		3,375	
Type of elevator shoulder			18°	
Burst pressure	psi	15 500		14 200
	Mpa	107		98
Collapse pressure	psi	12 700		7 500
	MPa	88		52
Adjusted weight	lbs/ft		24,9	
	kg/mtr		37,1	
Approx weight each joint	lbs		759,5	
	kg		344,5	
Capacity	gal/ft		0,88	
	ltr/mtr		10,93	
Open end displacement	gal/ft		0,39	
	ltr/mtr		4,84	
Closed end displacement	gal/ft		1,27	
	ltr/mtr		15,77	
Built In Length (shoulder to shoulder)	ft		30,50	
	mtr.		9,30	

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

Values herein is meant as guidelines only. Odfjell will not be held liable for any damage or injuries !

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ODFJELL WELL SERVICES

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<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-5121-DSTJ	473	OS-001 to OS-482
OWS-DP-5122-DSTJ	477	OS-483 to OS-960
OWS-DP-5123-DSTJ	527	OWS-1000 to OWS-1527