

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5.5-05

TECHNICAL SPECIFICATIONS

5-1/2" OD Drill Pipe, S-135, 5-1/2" FH. VAM EIS 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. VAM EIS	
Material grade				130 ksi	
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	1 516 600		1 122 600	
	kN	6 746		4 994	
Torsional yield tooljoint	lbf-ft	103 130		84 950	
	kNm	139,8		115,2	
Make up torque (Max.)	lbf-ft	58 800		48 400	
	kNm	79,7		65,6	

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio		1,13		1,44	
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		25,3		
	kg/mtr		37,7		
Approx weight each joint	lbs		798		
	kg		362		
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		31,5		
	mtr.		9,6		

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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<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-5121-EIS	444	OWS-2000 to OWS-2443