

## TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5.5-01

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

**New**

**Premium**

80% remaining Body Wall

**DESCRIPTION**

Type  
Range  
Conventional=welded T-J. / Integral=Monoblock

IEU, 21.90 #

2

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 <sup>2</sup>	5,828		4,592	
Polar Sectional Modulus	inch <sup>3</sup>	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	

#### CONNECTION DATA

Connection type		5-1/2" FH. Standard			
Material grade		120ksi			
Hardbanding		Arnco-300XT			
OD x ID	inch	7,000	3,500	6,719	3,500
B.S.R.	x : 1	2,25		1,60	
Tensile yield tooljoint	lbf	1 598 000		1 036 000	
	kN	7 108		4 610	
Torsional yield tooljoint	lbf-ft	72 480		46 090	
	kNm	98,3		62,5	
Make up torque (Max.)	lbf-ft	43 500		27 700	
	kNm	59,0		37,6	

#### OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio		0,79	1,01
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	23,6	
	kg/mtr	35,1	
Approx weight each joint	lbs	1 079,7	
	kg	489,7	
Capacity	gal/ft	0,89	
	ltr/mtr	11,08	
Open end displacement	gal/ft	0,36	
	ltr/mtr	4,47	
Closed end displacement	gal/ft	1,25	
	ltr/mtr	15,55	
Built In Length (shoulder to shoulder)	ft	45,75	
	mtr.	13,94	

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 !

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-5121	296	VIS-001 to VIS-269