

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5.5-05

5-1/2" OD Drill Pipe, S-135, 5-1/2" FH. VAM EIS 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 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	

CONNECTION DATA

Connection type		5-1/2" FH. VAM EIS			
Material grade		130ksi			
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 !

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