

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5-03

5" OD Drill Pipe, S-135, NC-50 Vam Eis Conn's.

New

Premium

80% remaining Body Wall

DESCRIPTION

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

IEU, 19.5 #
3
Conventional

TUBE DATA

Material grade	S-135				
Internal plastic coating	TK-34P				
Tube body OD x ID	inch	5,000	4,276	4,855	4,276
Wall thickness, nominal	inch	0,362		0,290	
Cross Sectional Area	inch ²	5,275		4,152	
Polar Sectional Modulus	inch ³	11,415		8,949	
Tensile yield pipe	lbf	712 100		560 600	
	kN	3 168		2 494	
Torsional yield pipe	lbf-ft	74 100		58 100	
	kNm	100,5		78,8	
80% Torsional Yield	lbf-ft	59 280		46 480	
	kNm	80,4		63,0	

CONNECTION DATA

Connection type	NC-50 Vam Eis				
Material grade	130ksi				
Hardbanding	Arnco-300 XT				
OD x ID	inch	6,625	3,250	6,313	3,250
B.S.R.	x : 1	2,43		1,97	
Tensile yield tooljoint	lbf	1 353 900		1 255 500	
	kN	6 022		5 585	
Torsional yield tooljoint	lbf-ft	80 700		76 000	
	kNm	109,4		103,0	
Make up torque Max. (Minimum 38 200)	lbf-ft	46 000		43 300	
	kNm	62,4		58,7	

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio	1,09		1,39		
Drift diameter	inch	3,125			
Type of elevator shoulder:	18°				
Burst pressure	psi	17 100		15 600	
	Mpa	118		108	
Collapse pressure	psi	15 700		10 000	
	MPa	108		69	
Adjusted weight	lbs/ft	22,8			
	kg/mtr	33,9			
Approx weight each joint	lbs	1 030			
	kg	467			
Capacity	gal/ft	0,73			
	ltr/mtr	9,07			
Open end displacement	gal/ft	0,33			
	ltr/mtr	4,10			
Closed end displacement	gal/ft	1,06			
	ltr/mtr	13,16			
Built In Length (shoulder to shoulder)	ft	45,28			
	mtr.	13,80			

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-54	342	35349 - 35696
OWS-DP-55-EIS	113	9636 - 9744 / 23069 - 23127