

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5-05

5" OD Drill Pipe, S-135, NC-50 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 Standard			
Material grade		120ksi			
Hardbanding		TCS TI / Arnco-300XT			
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	1 249 800			1 158 300
	kN	5 559			5 152
Torsional yield tooljoint	lbf-ft	51 700			47 300
	kNm	70,1			64,1
Make up torque (Max.)	lbf-ft	31 000			28 400
	kNm	42,0			38,5

OPERATION DATA

Tool joint/Drill pipe torsional ratio		0,96			1,23
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			1 010	
	kg			458	
Capacity	gal/ft			0,72	
	ltr/mtr			9,0	
Open end displacement	gal/ft			0,35	
	ltr/mtr			4,33	
Closed end displacement	gal/ft			1,07	
	ltr/mtr			13,34	
Built In Length (shoulder to shoulder)	ft			44,50	
	mtr.			13,6	

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 !

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-501	273	VIS-001 to VIS-274
OWS-DP-502	311	OWS-001 to OWS-311