

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5-06

5" OD Drill Pipe, NK-C105S, NC-50 DSTJ Conn's.

New

Premium

80% remaining Body Wall

DESCRIPTION

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

IEU, 19.5 #, H₂S
2
Conventional

TUBE DATA

Material grade	NK-C105S				
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	553 800			436 000
	kN	2 463			1 939
Torsional yield pipe	lbf-ft	57 600			45 200
	kNm	78,1			61,3
80% Torsional Yield	lbf-ft	46 080			36 160
	kNm	62,5			49,0

CONNECTION DATA

Connection type	NC-50 DSTJ				
Material grade	110ksi				
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	1 145 600			1 061 800
	kN	5 096			4 723
Torsional yield tooljoint	lbf-ft	60 300			55 900
	kNm	81,8			75,8
Make up torque (Max.)	lbf-ft	42 200			39 100
	kNm	57,2			53,0

OPERATION DATA

Tool joint/Drill pipe torsional ratio		1,05			1,33
Drift diameter	inch		3,125		
Type of elevator shoulder:			18°		
Burst pressure	psi	13 300			12 200
	Mpa	92			84
Collapse pressure	psi	13 000			8 800
	MPa	90			61
Adjusted weight	lbs/ft		23,5		
	kg/mtr		35,0		
Approx weight each joint	lbs		740,3		
	kg		335,8		
Capacity	gal/ft		0,70		
	ltr/mtr		8,69		
Open end displacement	gal/ft		0,36		
	ltr/mtr		4,47		
Closed end displacement	gal/ft		1,06		
	ltr/mtr		13,16		
Built In Length (shoulder to shoulder)	ft		31,50		
	mtr.		9,60		

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-517	648	OWSG-4000 to OWSG-4010 OWSG-4012 to OWSG-4072 + OWSG-4075 OWSG-4077 to OWSG-4651