

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5-06

TECHNICAL SPECIFICATIONS

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

New
Premium

80% Remaining Body Wall

DESCRIPTION

Type IEU, 19.5 #, H₂S
 Range 2
 Conventional=welded T-J. / Integral=Monoblock 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

CONNECTIONS DATA

Connection type		NC-50 DSTJ			
Material grade		110ksi			
Hardbanding		Arnc0-300 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

OPERATIONAL 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 !

<http://www.ows.no/Legal-Notice>

Docs. # 1054756

Frb - 11.12.2014



ODFJELL WELL SERVICES

A PART OF ODFJELL DRILLING

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-517	648	OWSG-4000 to OWSG-4010 OWSG-4012 to OWSG-4072 + OWSG-4075 OWSG-4077 to OWSG-4651