

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5-04

TECHNICAL SPECIFICATIONS

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

New

Premium

80% Remaining Body Wall

DESCRIPTION

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

CONNECTIONS DATA

Connection type				NC-50 DSTJ	
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		71 200		66 000
	kNm		96,5		89,5
Make up torque (Max.)	lbf-ft		49 900		46 200
	kNm		67,7		62,6

OPERATIONAL 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		22,9	
	kg/mtr		34,1	
Approx weight each joint	lbs		709	
	kg		321,6	
Capacity	gal/ft		0,72	
	ltr/mtr		8,97	
Open end displacement	gal/ft		0,35	
	ltr/mtr		4,33	
Closed end displacement	gal/ft		1,07	
	ltr/mtr		13,30	
Built In Length (shoulder to shoulder)	ft		31,00	
	mtr.		9,45	

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 !

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ODFJELL WELL SERVICES

A PART OF ODFJELL DRILLING

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-53	481	OWS-2500 - OWS-2981
OWS-DP-513-DSTJ	1200	OWS-3000 - OWS-4291
OWS-DP-515-DSTJ	643	OWS-4500 - OWS-5142

Torque Tension Curve New Class Drill Pipe
API-S135-IEUE 5" x 19.5[#] (9.19^{mm}) NK-DSTJ™ NC50 (OD: 6-5/8" ID: 3-1/4")
with TJ130 Design Factor=1.1

