

Equipment No's: Ref. Enclosed page

Spec. No.: DP-3.5-03

TECHNICAL SPECIFICATIONS

3-1/2" OD Drill Pipe, S-135, NC-38 Conn's.

New

Premium

80% Remaining Body Wall

DESCRIPTION

Type

EU, 15.5 #

Range

3

Conventional=welded T-J. / Integral=Monoblock

Conventional

TUBE DATA

Material grade				S-135	
Internal plastic coating				TK-34P	
Tube body OD x ID	inch	3,500	2,602	3,320	2,602
Wall thickness, nominal	inch		0,449		0,359
Cross Sectional Area	inch ²		4,304		3,342
Polar Sectional Modulus	inch ³		5,847		4,477
Tensile yield pipe	lbf		581 000		451 100
	kN		2 584		2 007
Torsional yield pipe	lbf-ft		37 960		29 060
	kNm		51,5		39,4
80% Torsional Yield	lbf-ft		30 368		23 248
	kNm		41,2		31,5

CONNECTIONS DATA

Connection type				NC-38 Standard	
Material grade				120 ksi	
Hardbanding				Arnc0-300XT	
OD x ID	inch	5,000	2,438	4,719	2,438
B.S.R.	x : 1		2,54		1,99
Tensile yield tooljoint	lbf		693 700		578 900
	kN		3 086		2 575
Torsional yield tooljoint	lbf-ft		22 200		18 270
	kNm		30,1		24,8
Make up torque (Max.)	lbf-ft		13 000		11 000
	kNm		17,6		14,9

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio	=> 0.80	*	0,58		0,76
Drift diameter	inch			2,313	
Type of elevator shoulder				18°	
Burst pressure	psi		30 300		27 700
	Mpa		209		191
Collapse pressure	psi		30 100		26 000
	MPa		208		179
Adjusted weight	lbs/ft			17,1	
	kg/mtr			25,5	
Approx weight each joint	lbs			771	
	kg			350	
Capacity	gal/ft			0,273	
	ltr/mtr			3,39	
Open end displacement	gal/ft			0,25	
	ltr/mtr			3,10	
Closed end displacement	gal/ft			0,52	
	ltr/mtr			6,50	
Built In Length (shoulder to shoulder)	ft			45,0	
	mtr.			13,7	

Calculated using nominal OD & ID. Safety & Dope friction factor used: 1.0

* API generally recommends a torsional ratio of 0.80 or larger

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. # 1064276

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-3121	268	VIS-001 to VIS-269
OWS-DP-3122	42	14366 to 14407
OWS-DP-3123	151	16000 to 16150