

Equipment No's: Ref. Enclosed page

Spec. No.:

DP-3.5-06

TECHNICAL SPECIFICATIONS

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

New

Premium

80% Remaining Body Wall

DESCRIPTION

Type EU, 15.5 #
 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	3,500	2,602	3,320	2,602
Wall thickness, nominal	inch		0,449		0,359
Cross Sectional Area	inch ²		4,304		3,341
Polar Sectional Modulus	inch ³		5,847		4,477
Tensile yield pipe	lbf		581 000		451 000
	kN		2 584		2 006
Torsional yield pipe	lbf-ft		37 960		29 050
	kNm		51,5		39,4
80% Torsional Yield	lbf-ft		30 370		23 240
	kNm		41,2		31,5

CONNECTIONS DATA

Connection type				NC-38 Vam Eis	
Material grade				120 ksi	
Hardbanding				Arnco-300XT	
OD x ID	inch	5,000	2,438	4,750	2,438
B.S.R.	x : 1		2,54		2,05
Tensile yield tooljoint	lbf		693 700		606 800
	kN		3 086		2 699
Torsional yield tooljoint	lbf-ft		30 570		27 530
	kNm		41,4		37,3
Make up torque (Max.)	lbf-ft		17 400		15 700
	kNm		23,6		21,3

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio	=> 0.80		0,81		1,05
Drift diameter	inch			2,313	
Type of elevator shoulder				18°	
Burst pressure	psi		30 310		27 700
	Mpa		209		191
Collapse pressure	psi		30 190		26 040
	MPa		208		180
Adjusted weight	lbs/ft			16,7	
	kg/mtr			24,8	
Approx weight each joint	lbs			525	
	kg			238	
Capacity	gal/ft			0,273	
	ltr/mtr			3,39	
Open end displacement	gal/ft			0,26	
	ltr/mtr			3,28	
Closed end displacement	gal/ft			0,54	
	ltr/mtr			6,67	
Built In Length (shoulder to shoulder)	ft			31,5	
	mtr.			9,6	

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 !

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

Docs. # 1064559

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-EIS	481	OWS-001 to OWS-482