

Equipment No's: Ref. Enclosed page

Spec. No.: DP-4-07

TECHNICAL SPECIFICATIONS

4" OD Drill Pipe, CYX-105, XT-39 Conn's.

New

Premium

80% Remaining Body Wall

DESCRIPTION

Type IU, 14.0 #, H₂S
 Range 2
 Conventional=welded T-J. / Integral=Monoblock Conventional

TUBE DATA

Material grade				CYX-105
Internal plastic coating				TK-34P
Tube body OD x ID	inch	4,000	3,340	3,868 3,340
Wall thickness, nominal	inch	0,330		0,264
Cross Sectional Area	inch ²	3,805		2,989
Polar Sectional Modulus	inch ³	6,458		5,046
Tensile yield pipe	lbf	399 500		313 900
	kN	1 777		1 396
Torsional yield pipe	lbf-ft	32 600		25 500
	kNm	44,2		34,6
80% Torsional Yield	lbf-ft	26 080		20 400
	kNm	35,4		27,7

CONNECTIONS DATA

Connection type				XT-39
Material grade				120 ksi
Hardbanding				Armacor-M
OD x ID	inch	4,875	2,563	4,652 2,563
B.S.R.	x : 1	NA		NA
Tensile yield tooljoint	lbf	729 700		580 800
	kN	3 246		2 584
Torsional yield tooljoint	lbf-ft	37 000		30 100
	kNm	50,2		40,8
Make up torque (Max.)	lbf-ft	22 200		18 100
	kNm	30,1		24,5

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio	=> 0.80	1,13		1,45
Drift diameter	inch		2,438	
Type of elevator shoulder			18°	
Burst pressure	psi	15 160		13 860
	Mpa	105		96
Collapse pressure	psi	15 900		11 620
	MPa	110		80
Adjusted weight	lbs/ft		16,4	
	kg/mtr		24,4	
Approx weight each joint	lbs		517	
	kg		234	
Capacity	gal/ft		0,43	
	ltr/mtr		5,34	
Open end displacement	gal/ft		0,25	
	ltr/mtr		3,10	
Closed end displacement	gal/ft		0,68	
	ltr/mtr		8,45	
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 !

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<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-8501	90	OWS-1019 - OWS- 2299



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