

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-4-03

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

New

Premium

80% remaining Body Wall

DESCRIPTION

Type
Range
Conventional=welded T-J. / Integral=Monoblock

IU, 14.0 # H₂S

2

Conventional

TUBE DATA

Material grade		XD-105			
Internal plastic coating		Arnco-300XT			
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		25 480	
	kNm	44,2		34,5	
80% Torsional Yield	lbf-ft	26 080		20 384	
	kNm	35,4		27,6	

CONNECTION DATA

Connection type		XT-39			
Material grade		105 ksi			
Hardbanding		TK-34P			
OD x ID	inch	4,875	2,563	4,652	2,563
B.S.R.	x : 1	NA		NA	
Tensile yield tooljoint	lbf	680 900		508 200	
	kN	2 839		2 261	
Torsional yield tooljoint	lbf-ft	32 400		26 300	
	kNm	43,9		35,7	
Make up torque (Max.)	lbf-ft	19 400		15 800	
	kNm	26,3		21,4	

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio	=> 0.80	0,99		1,27	
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			16,38	
	kg/mtr			24,4	
Approx weight each joint	lbs			518	
	kg			235	
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			31,64	
	mtr.			9,64	

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 !

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-8507	641	OWS-1000 to OWS-1640