

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-4-03

TECHNICAL SPECIFICATIONS

4" OD Heavy-Weight Drill Pipe, 1340, NC-40 Vam Eis Conn's.

New

Premium

80% Remaining Body Wall

DESCRIPTION

Type AISI-1340, 25.05#
 Range 2
 Conventional=welded T-J. / Integral=Monoblock Conventional

TUBE DATA

Material grade		AISI-1340 (55 ksi)			
Internal plastic coating		NA			
Tube body OD x ID	inch	4,000	2,563	3,713	2,563
Wall thickness, nominal	inch	0,719		0,575	
Cross Sectional Area	inch ²	7,409		5,668	
Polar Sectional Modulus	inch ³	10,450		7,766	
Tensile yield pipe	lbf	407 500		311 700	
	kN	1 813		1 387	
Torsional yield pipe	lbf-ft	27 640		20 540	
	kNm	37,5		27,8	
80% Torsional Yield	lbf-ft	22 112		16 432	
	kNm	30,0		22,3	

CONNECTIONS DATA

Connection type		NC-40 Vam Eis			
Stress Relief Grooves		NA			
Material grade		AISI-4145H (120 ksi)			
Hardbanding		Arnco-300XT			
OD x ID	inch	4,875	2,563	4,859	2,563
B.S.R.	x : 1	1,69		1,67	
Tensile yield tooljoint	lbf	512 200		497 500	
	kN	2 278		2 213	
Torsional yield tooljoint	lbf-ft	27 080		26 580	
	kNm	36,7		36,0	
Make up torque (Max.)	lbf-ft	15 400		15 200	
	kNm	20,9		20,6	

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio		0,98		1,32
Drift diameter	inch		2,438	
Type of elevator shoulder			18°	
Burst pressure	psi	17 290		15 810
	Mpa	119		109
Collapse pressure	psi	16 210		14 400
	MPa	112		99
Adjusted weight	lbs/ft		29,3	
	kg/mtr		43,6	
Approx weight each joint	lbs		908	
	kg		412	
Capacity	gal/ft		0,269	
	ltr/mtr		3,34	
Open end displacement	gal/ft		0,45	
	ltr/mtr		5,59	
Closed end displacement	gal/ft		0,72	
	ltr/mtr		8,93	
Built In Length (shoulder to shoulder)	ft		31,0	
	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

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String number:	Joints:	Individual serial numbers:			
OWS-HWDP-404-EIS	30	22376	22377	22378	22380
		22387	22391	22392	22397
		22398	22401	22407	22411
		22414	22419	22422	22423
		22433	22444	22445	22446
		22450	22453	22458	22484
		22492	22494	22495	22498
		22507	22512		