

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-4-03

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

New

Premium

DESCRIPTION

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

80% remaining Body Wall
AISI-1340, 25.05#
2
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 kN		407 500 1 813		311 700 1 387
Torsional yield pipe	lbf-ft kNm		27 640 37,5		20 540 27,8
80% Torsional Yield	lbf-ft kNm		22 112 30,0		16 432 22,3

CONNECTION DATA

Connection type		NC-40 Vam Eis			
Stress Relief Grooves		NA			
Material grade		AISI-4145H (120 ksi)			
Hardbanding		Arnc0-300XT			
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 kN		512 200 2 278		497 500 2 213
Torsional yield tooljoint	lbf-ft kNm		27 080 36,7		26 580 36,0
Make up torque Maximum	lbf-ft kNm		15 400 20,9		15 200 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 Mpa	17 290 119		15 810 109
Collapse pressure	psi MPa	16 210 112		14 400 99
Adjusted weight	lbs/ft kg/mtr		29,3 43,6	
Approx weight each joint	lbs kg		908 412	
Capacity	gal/ft ltr/mtr		0,269 3,34	
Open end displacement	gal/ft ltr/mtr		0,45 5,59	
Closed end displacement	gal/ft ltr/mtr		0,72 8,93	
Built In Length (shoulder to shoulder)	ft mtr		31,0 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 !

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-HWDP-404-EIS	30	OWS- 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