

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5.5-10

TECHNICAL SPECIFICATIONS

5-1/2" OD Heavy-Weight Drill Pipe, 4145, 5-1/2" FH DSTJ Conn's.
New
Premium

80% Remaining Body Wall

DESCRIPTION

Type	AISI-4145, 47.81#
Range	2
Conventional=welded T-J. / Integral=Monoblock	Integral

TUBE DATA

Material grade		AISI-4145H (110 ksi)
Internal plastic coating		TK-34P / TC-2000
Tube body OD x ID	inch	5,500 3,500 5,100 3,500
Wall thickness, nominal	inch	1,000 0,800
Cross Sectional Area	inch ²	14,137 10,807
Polar Sectional Modulus	inch ³	27,310 20,269
Tensile yield pipe	lbf	1 555 100 1 188 800
	kN	6 917 5 288
Torsional yield pipe	lbf-ft	144 450 107 210
	kNm	195,8 145,4
80% Torsional Yield	lbf-ft	115 560 85 768
	kNm	156,7 116,3

CONNECTIONS DATA

Connection type		5-1/2" FH. DSTJ
Stress Relief Grooves		NA
Material grade		AISI-4145H (110 ksi)
Hardbanding		Arnco-300XT / TCS Titanium
OD x ID	inch	7,250 3,500 6,719 3,500
B.S.R.	x : 1	2,29 1,64
Tensile yield tooljoint	lbf	1 464 800 950 200
	kN	6 516 4 227
Torsional yield tooljoint	lbf-ft	84 380 57 850
	kNm	114,4 78,4
Make up torque (Max.)	lbf-ft	59 100 40 500
	kNm	80,1 54,9

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio		0,58 0,79
Drift diameter	inch	3,375
Type of elevator shoulder		18°
Burst pressure	psi	35 000 32 000
	Mpa	241 221
Collapse pressure	psi	32 730 29 100
	MPa	226 201
Adjusted weight	lbs/ft	56,85
	kg/mtr	84,6
Approx weight each joint	lbs	1 762
	kg	799
Capacity	gal/ft	0,501
	ltr/mtr	6,22
Open end displacement	gal/ft	0,87
	ltr/mtr	10,80
Closed end displacement	gal/ft	1,37
	ltr/mtr	17,03
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 !

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

Docs. # 1087892

Frb - 12.12.2014.



ODFJELL WELL SERVICES

A PART OF ODFJELL DRILLING

String number:	Joints:	Individual serial numbers:			
OWS-HWDP-51214	28	OWS-5441 to OWS-5468			
OWS-HWDP-51218	24	12862	12880	12883	12897
		14309	14401	14619	14662
		14664	14670	14672	14674
		14676	14679	14685	14689
		14948	14949	14950	14952
		14953	14954	14956	14958
OWS-HWDP-51219	41	OWS-	12427	13355	14397
		14400	14663	14668	14673
		14678	14686	15672	16242
		16297	16300	16304	16314
		16332	16341	16791	17071
		17752	17946	17976	18212
		18303	18602	18603	18605
		18607	18608	18610	18611
		18612	18614	18615	18616
		18652	18654	18655	18666
		18668	18670		