ODFJELL WELL SERVICES
A PART OF ODFJELL DRILLING

Equipment No's: Ref. Enclosed page **Spec. No.:** HWDP-5.5-07

TECHNICAL SPECIFICATIONS

5-1/2" OD Heavy-Weight Drill Pipe, 4145, 5-1/2" FH Conn's.		**New**		**Premium**	
				80% Remaining Body Wall	
DESCRIPTION					
Type		AISI-4145, 47.81#			
Range		2			
Convensional=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.			
Stress Relief Grooves		SRG / BB			
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	2,25		1,60	
Tensile yield tooljoint	lbf	1 294 800		950 200	
	kN	*5 760*		*4 227*	
Torsional yield tooljoint	lbf-ft	58 700		42 260	
	kNm	*79,6*		*57,3*	
Make up torque (Max.)	lbf-ft	37 700		24 000	
	kNm	*51,1*		*32,5*	
OPERATIONAL DATA					
Tool-joint/Drill-pipe torsional ratio		0,41		0,55	
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

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String number:	*Joints:*	*Individual serial numbers:*
OWS-HWDP-5126	22	OWS-187 to OWS-208
OWS-HWDP-51215	26	5469 to 5494