

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-4-06

4" OD Drill Pipe, TSS-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		TSS-105			
Internal plastic coating		TK-34P			
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		25 500	
	kNm	44,2		34,6	
80% Torsional Yield	lbf-ft	26 080		20 400	
	kNm	35,4		27,7	

CONNECTION DATA

Connection type		XT-39			
Material grade		120 ksi			
Hardbanding		Arnco-300XT			
OD x ID	inch	4,875	2,563	4,652	2,563
B.S.R.	x : 1	NA		NA	
Tensile yield tooljoint	lbf	729 700		580 800	
	kN	3 246		2 584	
Torsional yield tooljoint	lbf-ft	37 000		30 100	
	kNm	50,2		40,8	
Make up torque (Max.)	lbf-ft	22 200		18 100	
	kNm	30,1		24,5	

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio	=> 0.80 *	1,13		1,45	
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			16,4	
	kg/mtr			24,4	
Approx weight each joint	lbs			516	
	kg			234	
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			31,5	
	mtr.			9,6	

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-404	17	A-512-157, A512-166, A512-190, A512-221 A512-224, A512-262, A512-318, A512-322 A512-323, A512-373, A512-423, A512-443, A512-465, A512-572, A512-603, A512-674 A512-758.
OWS-DP-405	31	A694-012, A694-023, A694-029, A694-035, A694-054, A694-063, A694-067, A694-083, A694-094, A694-095, A694-148, A694-154, A694-167, A694-190, A694-226, A694-229, A694-230, A694-231, A694-255, A694-266, A694-287, A694-314, A694-321, A694-322, A694-325, A694-332, A694-340, A694-342, A694-348, A694-349, A694-415.
OWS-DP-8502-1	209	100 - 1250
OWS-DP-8508	250	OWS-1660 to OWS-2259
OWS-DP-8509	10	OWS-2260 to OWS-2269
OWS-DP-409	260	OWS-1401 to OWS-1660