

Equipment No's: Ref. Enclosed page

Spec. No.: DP-4-06

TECHNICAL SPECIFICATIONS

4" OD Drill Pipe, TSS-105, XT-39 Conn's.

New
Premium

80% Remaining Body Wall

DESCRIPTION

Type IU, 14.0 #, H₂S
 Range 2
 Conventional=welded T-J. / Integral=Monoblock 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

CONNECTIONS DATA

Connection type				XT-39	
Material grade				120 ksi	
Hardbanding				Arnc0-300XT	
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 !

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**ODFJELL WELL SERVICES**

A PART OF ODFJELL DRILLING

<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