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TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page **Spec. No.:** HWDP-3.5-01

3-1/2" OD Heavy-Weight Drill Pipe, 1340, NC-38 Vam Eis Conn's.

New **Premium**
80% remaining Body Wall

DESCRIPTION

Type	AISI-1340, 19.09#
Range	2
Conventional=welded T-J. / Integral=Monoblock	Conventional

TUBE DATA

Material grade		AISI-1340 (55 ksi)			
Internal plastic coating		NA			
Tube body OD x ID	inch	3,500	2,250	3,250	2,250
Wall thickness, nominal	inch	0,625		0,500	
Cross Sectional Area	$inch^2$	5,645		3,542	
Polar Sectional Modulus	$inch^3$	6,981		3,069	
Tensile yield pipe	lbf	310 500		237 600	
	kN	*1 381*		*1 057*	
Torsional yield pipe	lbf-ft	18 460		13 730	
	kNm	*25,0*		*18,6*	
80% Torsional Yield	lbf-ft	14 768		10 984	
	kNm	*20,0*		*14,9*	

CONNECTION DATA

Connection type		NC-38 Vam Eis			
Stress Relief Grooves		NA			
Material grade		AISI-4145M (120 ksi)			
Hardbanding		Arnco-300XT			
OD x ID	inch	4,750	2,250	4,719	2,250
B.S.R.	x : 1	1,92		NA	
Tensile yield tooljoint	lbf	606 800		579 100	
	kN	*2 699*		*2 576*	
Torsional yield tooljoint	lbf-ft	29 560		28 660	
	kNm	*40,1*		*38,9*	
Make up torque Maximum	lbf-ft	16 900		16 300	
	kNm	*22,9*		*22,1*	

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio	=> 0.80	0,46	2,15
Drift diameter	inch	2,125	
Type of elevator shoulder:		18°	
Burst pressure	psi	17 190	15 710
	Mpa	*119*	*108*
Collapse pressure	psi	16 140	14 320
	MPa	*111*	*99*
Adjusted weight	lbs/ft	24,9	
	kg/mtr	*37,1*	
Approx weight each joint	lbs	772	
	kg	*350*	
Capacity	gal/ft	0,208	
	ltr/mtr	*2,58*	
Open end displacement	gal/ft	0,38	
	ltr/mtr	*4,72*	
Closed end displacement	gal/ft	0,59	
	ltr/mtr	*7,30*	
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 !

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String number:	*Joints:*	*Individual serial numbers:*
OWS-HWDP-312-EIS	30	COR-131 to COR-160