

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-3.5-06

3-1/2" OD Drill Pipe, S-135, NC-38 Vam Eis Conn's.

New

Premium

80% remaining Body Wall

DESCRIPTION

Type
Range
Conventional=welded T-J. / Integral=Monoblock

EU, 15.5 #
3
Conventional

TUBE DATA

Material grade		S-135			
Internal plastic coating		TK-34P			
Tube body OD x ID	inch	3,500	2,602	3,320	2,602
Wall thickness, nominal	inch	0,449		0,359	
Cross Sectional Area	inch ²	4,304		3,341	
Polar Sectional Modulus	inch ³	5,847		4,477	
Tensile yield pipe	lbf	581 000		451 000	
	kN	2 584		2 006	
Torsional yield pipe	lbf-ft	37 960		29 050	
	kNm	51,5		39,4	
80% Torsional Yield	lbf-ft	30 370		23 240	
	kNm	41,2		31,5	

CONNECTION DATA

Connection type		NC-38 Vam Eis			
Material grade		120 ksi			
Hardbanding		Arnco-300XT			
OD x ID	inch	5,000	2,438	4,750	2,438
B.S.R.	x : 1	2,54		2,05	
Tensile yield tooljoint	lbf	693 700		606 800	
	kN	3 086		2 699	
Torsional yield tooljoint	lbf-ft	30 570		27 530	
	kNm	41,4		37,3	
Make up torque (Max.)	lbf-ft	17 400		15 700	
	kNm	23,6		21,3	

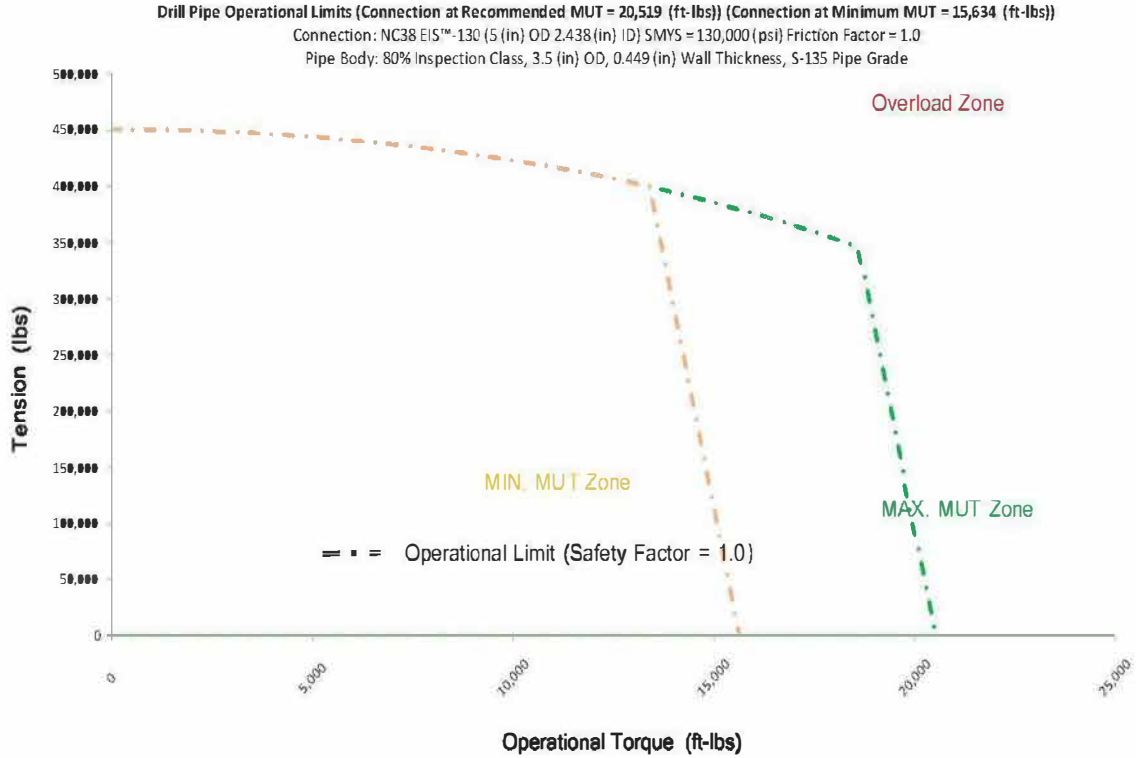
OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio	=> 0.80 *	0,81	1,05
Drift diameter	inch	2,313	
Type of elevator shoulder:		18°	
Burst pressure	psi	30 310	27 700
	Mpa	209	191
Collapse pressure	psi	30 190	26 040
	MPa	208	180
Adjusted weight	lbs/ft	16,7	
	kg/mtr	24,8	
Approx weight each joint	lbs	525	
	kg	238	
Capacity	gal/ft	0,273	
	ltr/mtr	3,39	
Open end displacement	gal/ft	0,26	
	ltr/mtr	3,28	
Closed end displacement	gal/ft	0,54	
	ltr/mtr	6,67	
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 !

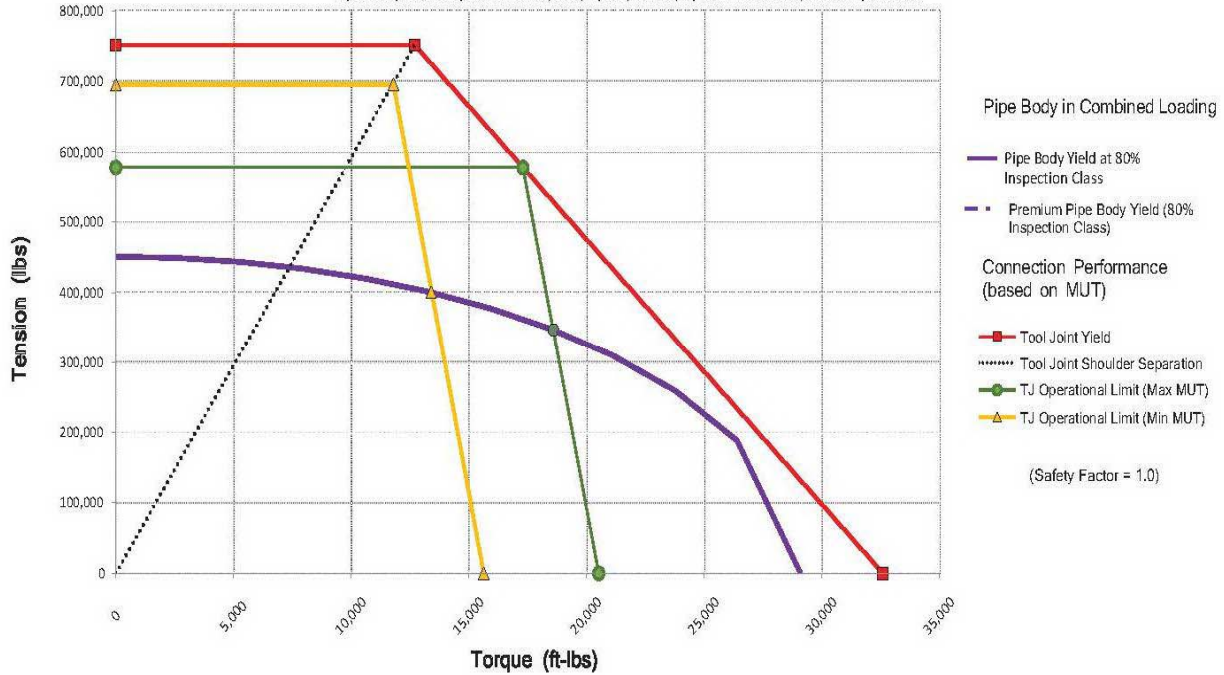
<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-3121-EIS	481	OWS-001 to OWS-482



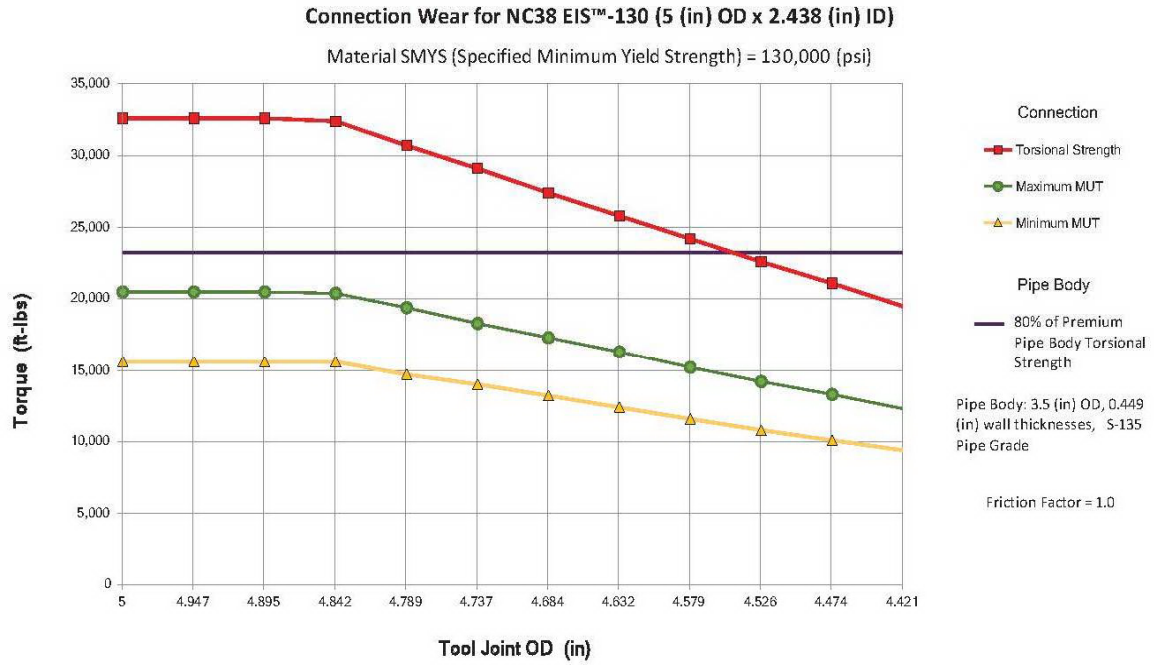
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Torque-Tension Graph

Connection: NC38 EIS™-130 (5 (in) OD 2.438 (in) ID) SMYS = 130,000 (psi) Friction Factor = 1.0
 Pipe Body: 80% Inspection Class, 3.5 (in) OD, 0.449 (in) Wall Thickness, S-135 Pipe Grade



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