

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-3.5-01

TECHNICAL SPECIFICATIONS

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

 inch²

5,645

4,320

Polar Sectional Modulus

 inch³

6,981

5,192

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

CONNECTIONS 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

1,86

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 (Max.)

lbf-ft

16 900

16 300

kNm

22,9

22,1

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio

1,60

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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ODFJELL WELL SERVICES

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<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-HWDP-312-EIS	30	COR-131 to COR-160