

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5-02

TECHNICAL SPECIFICATIONS

5" OD Heavy-Weight Drill Pipe, 1340, NC-50 Conn's.

New

Premium

80% Remaining Body Wall

DESCRIPTION

Type

AISI-1340, 42.49#

Range

2

Conventional=welded T-J. / Integral=Monoblock

Conventional

TUBE DATA

Material grade

AISI-1340 (55 ksi)

Internal plastic coating

TK-34P

Tube body OD x ID

inch

5,000

3,000

4,600

3,000

Wall thickness, nominal

inch

1,000

0,800

Cross Sectional Area

 inch²

12,566

9,550

Polar Sectional Modulus

 inch³

21,363

15,654

Tensile yield pipe

lbf

691 200

525 300

kN

3 075

2 337

Torsional yield pipe

lbf-ft

56 500

41 400

kNm

76,6

56,1

80% Torsional Yield

lbf-ft

45 200

33 120

kNm

61,3

44,9

CONNECTIONS DATA

Connection type

NC-50

Stress Relief Grooves

SRG / BB

Material grade

AISI-4145H (120 ksi)

Hardbanding

Arnco-300XT/TCS-Titanium

OD x ID

inch

6,500

3,000

6,313

3,000

B.S.R.

x : 1

2,10

1,85

Tensile yield tooljoint

lbf

1 243 500

1 158 900

kN

5 531

5 155

Torsional yield tooljoint

lbf-ft

51 200

47 300

kNm

69,4

64,1

Make up torque (Max.)

lbf-ft

34 200

28 400

kNm

46,4

38,5

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio

0,91

1,24

Drift diameter

inch

2,875

Type of elevator shoulder

18°

Burst pressure

psi

19 250

17 600

Mpa

133

121

Collapse pressure

psi

17 600

15 800

MPa

121

109

Adjusted weight

lbs/ft

50,0

kg/mtr

74,4

Approx weight each joint

lbs

1 551

kg

703

Capacity

gal/ft

0,369

ltr/mtr

4,58

Open end displacement

gal/ft

0,78

ltr/mtr

9,69

Closed end displacement

gal/ft

1,15

ltr/mtr

14,27

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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Docs. # 1084663

Frb - 12.12.2014



ODFJELL WELL SERVICES

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<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-HWDP-504	30	OWS-79561 to OWS-79590
OWS-HWDP-505	30	OWS-85597 to OWS-85626
OWS-HWDP-513	21	Between: 95539 to 95887
OWS-HWDP-523	58	Between: 108848 to 110461