

Equipment No's: Ref. Enclosed page

Spec. No.:

DP-6.625-02

### TECHNICAL SPECIFICATIONS

#### 6-5/8" OD Drill Pipe, S-135, 6-5/8" FH. Conn's.

New

Premium

80% Remaining Body Wall

#### DESCRIPTION

Type

IEU, 27.70 #

Range

2

Conventional=welded T-J. / Integral=Monoblock

Conventional

#### TUBE DATA

|                          |                   |         |       |         |       |
|--------------------------|-------------------|---------|-------|---------|-------|
| Material grade           |                   | S-135   |       |         |       |
| Internal plastic coating |                   | TC-2000 |       |         |       |
| Tube body OD x ID        | inch              | 6,625   | 5,901 | 6,480   | 5,901 |
| Wall thickness, nominal  | inch              | 0,362   |       | 0,290   |       |
| Cross Sectional Area     | inch <sup>2</sup> | 7,123   |       | 5,632   |       |
| Polar Sectional Modulus  | inch <sup>3</sup> | 21,156  |       | 16,691  |       |
| Tensile yield pipe       | lbf               | 961 600 |       | 760 400 |       |
|                          | kN                | 4 277   |       | 3 382   |       |
| Torsional yield pipe     | lbf-ft            | 137 300 |       | 108 300 |       |
|                          | kNm               | 186,2   |       | 146,8   |       |
| 80% Torsional Yield      | lbf-ft            | 109 840 |       | 86 640  |       |
|                          | kNm               | 148,9   |       | 117,5   |       |

#### CONNECTIONS DATA

|                           |        |              |       |           |       |
|---------------------------|--------|--------------|-------|-----------|-------|
| Connection type           |        | 6-5/8" FH.   |       |           |       |
| Material grade            |        | 120 ksi      |       |           |       |
| Hardbanding               |        | TCS-Titanium |       |           |       |
| OD x ID                   | inch   | 8,250        | 4,500 | 8,000     | 4,500 |
| B.S.R.                    | x : 1  | 2,16         |       | 1,87      |       |
| Tensile yield tooljoint   | lbf    | 1 871 200    |       | 1 697 500 |       |
|                           | kN     | 8 324        |       | 7 551     |       |
| Torsional yield tooljoint | lbf-ft | 97 600       |       | 86 200    |       |
|                           | kNm    | 132,3        |       | 116,9     |       |
| Make up torque (Max.)     | lbf-ft | 58 600       |       | 52 700    |       |
|                           | kNm    | 79,5         |       | 71,5      |       |

#### OPERATIONAL DATA

|                                        |         |        |         |        |  |
|----------------------------------------|---------|--------|---------|--------|--|
| Tool-joint/Drill-pipe torsional ratio  | => 0.80 | 0,71   |         | 0,90   |  |
| Drift diameter                         | inch    |        | 4,375   |        |  |
| Type of elevator shoulder              |         |        | 18°     |        |  |
| Burst pressure                         | psi     | 12 900 |         | 11 800 |  |
|                                        | Mpa     | 89     |         | 81     |  |
| Collapse pressure                      | psi     | 7 800  |         | 3 400  |  |
|                                        | MPa     | 54     |         | 23     |  |
| Adjusted weight                        | lbs/ft  |        | 33,65   |        |  |
|                                        | kg/mtr  |        | 50,1    |        |  |
| Approx weight each joint               | lbs     |        | 1 083,5 |        |  |
|                                        | kg      |        | 491,5   |        |  |
| Capacity                               | gal/ft  |        | 1,37    |        |  |
|                                        | ltr/mtr |        | 17,01   |        |  |
| Open end displacement                  | gal/ft  |        | 0,51    |        |  |
|                                        | ltr/mtr |        | 6,33    |        |  |
| Closed end displacement                | gal/ft  |        | 1,88    |        |  |
|                                        | ltr/mtr |        | 23,35   |        |  |
| Built In Length (shoulder to shoulder) | ft      |        | 32,2    |        |  |
|                                        | mtr.    |        | 9,8     |        |  |

Calculated using nominal OD &amp; ID. Safety &amp; 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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| <i>String number:</i> | <i>Joints:</i> | <i>Individual serial numbers:</i> |
|-----------------------|----------------|-----------------------------------|
| OWS-DP-6584           | 319            | OWS-100 to OWS-418                |