

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-6.625-01

### TECHNICAL SPECIFICATIONS

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

New

Premium

80% Remaining Body Wall

#### DESCRIPTION

Type AISI-4145H, 74.06#  
 Range 2  
 Conventional=welded T-J. / Integral=Monoblock Integral

#### TUBE DATA

|                          |                   |                      |       |           |       |
|--------------------------|-------------------|----------------------|-------|-----------|-------|
| Material grade           |                   | AISI-4145H (110 ksi) |       |           |       |
| Internal plastic coating |                   | TK-34P / TC-2000     |       |           |       |
| Tube body OD x ID        | inch              | 6,625                | 4,000 | 6,100     | 4,000 |
| Wall thickness, nominal  | inch              | 1,313                |       | 1,050     |       |
| Cross Sectional Area     | inch <sup>2</sup> | 21,905               |       | 16,658    |       |
| Polar Sectional Modulus  | inch <sup>3</sup> | 49,506               |       | 36,327    |       |
| Tensile yield pipe       | lbf               | 2 409 600            |       | 1 832 400 |       |
|                          | kN                | 10 718               |       | 8 151     |       |
| Torsional yield pipe     | lbf-ft            | 261 860              |       | 192 150   |       |
|                          | kNm               | 355,0                |       | 260,5     |       |
| 80% Torsional Yield      | lbf-ft            | 209 488              |       | 153 720   |       |
|                          | kNm               | 284,0                |       | 208,4     |       |

#### CONNECTIONS DATA

|                           |        |                            |       |           |       |
|---------------------------|--------|----------------------------|-------|-----------|-------|
| Connection type           |        | 6-5/8" FH                  |       |           |       |
| Stress Relief Grooves     |        | SRG / BB                   |       |           |       |
| Material grade            |        | AISI-4145H (110 ksi)       |       |           |       |
| Hardbanding               |        | Arnco-300XT / TCS Titanium |       |           |       |
| OD x ID                   | inch   | 8,000                      | 4,000 | 7,750     | 4,000 |
| B.S.R.                    | x : 1  | 1,66                       |       | 1,42      |       |
| Tensile yield tooljoint   | lbf    | 1 556 000                  |       | 1 215 900 |       |
|                           | kN     | 6 921                      |       | 5 409     |       |
| Torsional yield tooljoint | lbf-ft | 80 500                     |       | 62 400    |       |
|                           | kNm    | 109,1                      |       | 84,6      |       |
| Make up torque (Max.)     | lbf-ft | 45 750                     |       | 35 500    |       |
|                           | kNm    | 62,0                       |       | 48,1      |       |

#### OPERATIONAL DATA

|                                        |         |        |       |        |
|----------------------------------------|---------|--------|-------|--------|
| Tool-joint/Drill-pipe torsional ratio  |         | 0,31   |       | 0,42   |
| Drift diameter                         | inch    |        | 3,875 |        |
| Type of elevator shoulder              |         |        | 18°   |        |
| Burst pressure                         | psi     | 38 140 |       | 34 870 |
|                                        | Mpa     | 263    |       | 240    |
| Collapse pressure                      | psi     | 34 950 |       | 31 350 |
|                                        | MPa     | 241    |       | 216    |
| Adjusted weight                        | lbs/ft  |        | 85,5  |        |
|                                        | kg/mtr  |        | 127,2 |        |
| Approx weight each joint               | lbs     |        | 2 651 |        |
|                                        | kg      |        | 1 202 |        |
| Capacity                               | gal/ft  |        | 0,656 |        |
|                                        | ltr/mtr |        | 8,15  |        |
| Open end displacement                  | gal/ft  |        | 1,31  |        |
|                                        | ltr/mtr |        | 16,27 |        |
| Closed end displacement                | gal/ft  |        | 1,97  |        |
|                                        | ltr/mtr |        | 24,42 |        |
| Built In Length (shoulder to shoulder) | ft      |        | 31,0  |        |
|                                        | mtr.    |        | 9,45  |        |

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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# ODFJELL WELL SERVICES

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| <i>String number:</i> | <i>Joints:</i> | <i>Individual serial numbers:</i> |
|-----------------------|----------------|-----------------------------------|
| OWS-HWDP-6581         | 29             | 79531 to 79560                    |
| OWS-HWDP-6582         | 30             | OWS-1 to OWS-30                   |
| OWS-HWDP-6587         | 24             | OWS-31 to OWS-54                  |
| OWS-HWDP-6588         | 30             | OWS-55 to OWS-84                  |
| OWS-HWDP-65810        | 60             | OWS-85 to OWS-144                 |
| OWS-HWDP-65813        | 18             | OWS-250 to OWS-267                |
|                       |                |                                   |