



FABRICATION MATERIALS

| PT NO | COMPONENT DESCRIPTION | N.S. (INS) | CLASS | QTY |
|--------------------|--|------------|-------|------|
| PIPE | | | | |
| 1 | PIPE; SEAMLESS; BE; ASME B36.10 API 5L; GR. B OR ASTM A106; GR. B; NACE MR0175; STD | 2 | A | 5.0M |
| FITTINGS | | | | |
| 2 | TEE; EQUAL; SEAMLESS; BW; ASME B16.9 ASTM A234; GR. WPB; NACE MR0175; STDxSTD | 2 x 2 | A | 3 |
| 3 | ELBOW; 90DEG. LR; SEAMLESS; BW; ASME B16.9 ASTM A234; GR. WPB; NACE MR0175; STD | 2 | A | 2 |
| 4 | ELBOW; 45DEG. LR; SEAMLESS; BW; ASME B16.9 ASTM A234; GR. WPB; NACE MR0175; STD | 2 | A | 1 |
| FLANGES | | | | |
| 5 | FLANGE; WN; RF; 150#; ASME B16.5; SMOOTH FINISH RA 3.2 TO 6.3 MICRONS ASTM A105; NACE MR0175; STD | 2 | A | 3 |
| ERECTION MATERIALS | | | | |
| FITTINGS | | | | |
| 6 | SPECTACLE BLIND; RF; 150#; ASME B16.48; SMOOTH FINISH RA 3.2 TO 6.3 MICRONS ASTM A516N; GR. 70; REFER TO DHF-00-P-S-0009; NACE MR0175; | 2 | A | 1 |
| FLANGES | | | | |
| 7 | FLANGE; BLIND; RF; 150#; ASME B16.5; SMOOTH FINISH RA 3.2 TO 6.3 MICRONS ASTM A105; NACE MR0175; | 2 | A | 2 |
| GASKETS | | | | |
| 8 | GASKET; SPIRAL WOUND; 4.4MM THK; 150#; ASME B16.20 WND; SS316; FLR: GRAPHITE; INNER & OUTER GUIDE RINGS: SS316; NACE MR0175 | 2 | A | 4 |
| BOLTS | | | | |
| 9 | 100 STUD BOLT WITH HEAVY HEX. NUTS STUDS: ASTM A193-B7, NUTS: ASTM A194-2H FLUOROCARBON COATED WITH AMERI-COTE OR APPROVED EQUAL | 5/8 | A | 4 |
| 10 | 85 STUD BOLT WITH HEAVY HEX. NUTS STUDS: ASTM A193-B7, NUTS: ASTM A194-2H FLUOROCARBON COATED WITH AMERI-COTE OR APPROVED EQUAL | 5/8 | A | 8 |
| SUPPORTS | | | | |
| 11 | PIPE SHOE - SLOPING LINES PS05-50-A-100 | 2 | - | 1 |
| 12 | PIPE SHOE GUIDE PS07-50-0 | 2 | - | 1 |
| 13 | RIGHT ANGLE SUPPORT PS30-12-09 | 2 | - | 1 |

NOTES:

1. COORDINATE REFERENCE FROM COLUMN B IS N 100,000 & COLUMN 2 IS E 100,000

| | | |
|----------------------------------|------|-------------------------|
| DESIGN PRESS: 1380 | kpag | DESIGN TEMP: 110/-29 °C |
| TEST PRESS: 2940 | kpag | TEST WITH: Water |
| RADIOGRAPHY: 100 | % | STRESS RELIEVE: NO |
| INSULATION SPEC: DHF-00-M-S-0002 | | |
| COATING SPEC: DHF-00-M-S-0003 | | |

STRESS CATEGORY

THIS LINE HAS BEEN STRESS ANALYSED
DO NOT ALTER THE ROUTING/MODIFY THE SUPPORTS
WITHOUT THE PRIOR APPROVAL OF RANHILL WORLEY

P&ID REF: WHP-DH2-R-D-1065 & 1067

| | | | | | |
|-----|----------|-----|---------------------------|---------|-----------|
| CO | 29/05/09 | HAZ | APPROVED FOR CONSTRUCTION | PSV/AH | EM |
| REV | DATE | BY | DESCRIPTION | CHECK'D | WP APPR'D |
| | | | | VSP | APPR'D |
| | | | | DATE | |



DAI HUNG PETROLEUM OPERATING COMPANY
DAI HUNG OIL FIELD DEVELOPMENT PHASE 2



| | |
|-----------------|------------------------|
| CAD File No.: | WHP-DH2-P-D-1059-SCD-5 |
| WP Project No.: | 04211244 |
| Scale: | NTS |

PLANT:

WELLHEAD PLATFORM - DH2

PDMS LINE NO.:

SCD-2"-PL-A-1059-H-40

Drawing No.:

WHP-DH2-P-D-1059-SCD-5

SHEET NO.

5 OF 5

REV.

CO