

PROCESS DEVELOPMENT & CONTROL LLC

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**REPACKING PROCEDURES FOR HIGH TEMPERATURE PACKING WITH OXIDATION
INHIBITOR 2”- 24” VALVE SIZES**

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ENGINEERING INSTRUCTION BULLETIN

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TITLE: REPACKING PROCEDURES FOR PDC HIGH TEMPERATURE PACKING
WITH OXIDATION INHIBITOR 2" THRU 24" VALVE SIZES

- 10.24.1 REMOVE PACKING NUT USING A COUNTER-CLOCKWISE ROTATION (SEE NOTE 1, BELOW). SLIDE PACKING NUT BACK TO GIVE ADEQUATE CLEARANCE.
- 10.24.2 REMOVE ALL RINGS OF PACKING (SEE DIAGRAM 1) WITH FLEXIBLE PACKING PICK (SEE NOTE 1, BELOW).
- 10.24.3 THOROUGHLY CLEAN OUT PACKING GLAND HOLE AND REMOVE ALL RESIDUE.
- 10.24.4 REPACK VALVE STACKING ONE END RING, THREE MIDDLE RINGS AND FINALLY THE SECOND END RING. PACKING RING END CUTS MUST BE STAGGERED 90 DEGREES APART. STACKING ORDER MUST BE FOLLOWED FOR PROPER PACKING PERFORMANCE. (SEE NOTE 2, BELOW).
- 10.24.5 REPLACE PACKING NUT BY HAND TIGHTENING (CLOCKWISE). ONCE THE PACKING NUT IS HAND TIGHT, USE THE PACKING WRENCH TO TIGHTEN PACKING NUT AN ADDITIONAL $\frac{1}{2}$ TURN. THIS ADDITIONAL $\frac{1}{2}$ TURN PAST HAND TIGHT, SEATS THE RINGS OF PACKING (SEE NOTE 3, BELOW). **CAUTION: DO NOT OVER-TIGHTEN PACKING NUT.**

NOTES:

1. A SPECIAL PDC REPACKING TOOL KIT CONSISTING OF A PACKING NUT WRENCH AND A FLEXIBLE PICK IS AVAILABLE FROM THE FACTORY. EMPLOYMENT OF THIS KIT WILL GREATLY FACILITATE THE REPACKING PROCEDURE AND ITS PURCHASE IS RECOMMENDED.
2. EACH REPACKING SET CONSISTS OF (5) FIVE RINGS; (2) TWO END RINGS AND (3) THREE MIDDLE RINGS WITH PASSIVE OXIDATION INHIBITOR. DO NOT USE MORE RINGS THAN RECOMMENDED.
3. IT MAY BE NECESSARY TO READJUST THE PACKING NUT WHEN THE SYSTEM IS STARTED UP. IF IT IS NECESSARY TO ADJUST THE PACKING NUT, TIGHTEN $\frac{1}{4}$ TURN. OPERATE FOR 15 MINUTES. IF LEAKAGE PERSISTS AFTER 15 MINUTES CONTINUE TO TIGHTEN $\frac{1}{4}$ TURN AND OPERATE FOR 15 MINUTES. (REPEAT THIS PROCESS UNTIL LEAKAGE STOPS). **CAUTION: DO NOT OVER-TIGHTEN PACKING NUT.**

DIAGRAM 1

