

SYSTEM AND METHOD FOR MONITORING A SUBSEA WELL

ABSTRACT

A system for monitoring a subsea well is presented. The system includes the subsea well, where the subsea well includes a production tube, an annulus A co-axial to the production tube and positioned exterior to the production tube, an annulus B co-axial to the annulus A and positioned exterior to the annulus A, and a casing wall disposed between the annulus A and annulus B. Furthermore, the system includes a first sensor disposed on or about the production tube, the annulus A, the casing wall, or combinations thereof and configured to measure a first parameter. The system also includes a controller coupled to the subsea well and configured to analyze the first parameter measured by the first sensor and detect an anomaly in one or more components of the subsea well. Methods and non-transitory computer readable medium configured to perform the method for monitoring a subsea well are also presented.

Figure 1