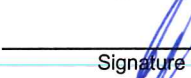


Quality System Manual

Revision Number: 8.0

Section: 21

Exhibit 21.1 Pneumatic Test Procedure and Pressure Test Report

Test Date: Oct 5/23		Job Number: 231054	
Test Number: 231054V2 .3 - Non - Code		Customer: Energera	
Spool Number(s):		Shell - Dwg 231054SHELL	
PROCEDURE:			
Design Pressure: 2 PSIG		Test Pressure: 2 PSIG	
		MDMT: N/A	
Test Medium: Air/Surfactant or Nitrogen/Surfactant		Test Temperature: MDMT + 17°C(30°F)	
Step #	Step Pressure	End - Start = Holding Time	QCI
			3PI
	0-2.2	Oct 4 - To Oct 5/23	
1	Test: 2.2 psi	29 hrs	
2	Design: 2 psi		
NOTE:			
1. System to be inspected by the QCI prior to testing.			
2. The test shall be held for a minimum of 12 hours and documented above by the witnessing QCI and Owner's Inspector.			
3. One pressure gauge must be mounted on the system away from the pressure supply and one must be installed at the test pump.			
4. The QCI is to witness the leak test.			
5. If a leak is detected by witnessing bubbles forming on the system boundary, the leak point shall be marked and then the system shall be depressurized at a controlled rate not greater than the fill rate. Then the leak point shall be repaired, and the test restarted at pressure step #1.			
6. All necessary safety precautions shall be adhered to.			
7. Refer to Section 21.17 to 21.20 for Leak Test Procedure details for Code tests			
ACTUAL TEST RESULTS:			
1-Pressure Gauge No.: N/A		2-Pressure Gauge No.: N/A	
Test PSV: N/A		Test Procedure Volume: N/A	
SIGN OFF:			
This certifies the above statements are correct and the equipment described was free of leaks due to defective welds, joints, fittings, tube/pipe or equipment			
Pneumatic Test Performed By:	FSR Inc.		Oct 5/23 Date
QC Inspector:	FSR Inc.		Oct 5/23 Date
Owner's Representative:			 Date