

LMT100

Level measurement of crude oil collection tank

High accuracy non-intrusive liquid level and interface level detection
K-TEK Level products

Measurement made easy

The Application



The customer is an upstream oil and condensate producer and is interested in a reliable level and interface measurement in his collection vessels.

- Vessel height is 30 ft.
- Ambient Temperature: -40 to 43°C
- Process Temperature: 85o or lower
- Process Pressure: 15 psig

The Problem

The measurement of total level and interface are both critical in remote collection operations. Timing of oil and water collection requires coordination. Untimed shutdowns are unacceptable and too frequent pickups add to expenses. Additionally, having oil in the process water adds to the processing cost and decreases margins. Having water in the oil also impacts processing and causes billing headaches. With thick emulsion layers, GWR is not a option.

The Solution

The LMT100 with a W7 flexible Halar sensor and 316/316L

segmented sensor well with two F51B floats will be an excellent solution. Installation will be easy and the measurement will be reliable. Remember, the measurement is relying on the magnetic fields, not the process conditions. Emulsion layers will not affect the signal.

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