

PRODUCT IMPROVEMENT BULLETIN # 24

PRODUCT: HR5100, HR6100 & HR6140 Injectors

REFERENCE: Loadcell Weight Readout Oscillations

Hydra Rig NOV is aware of HR6100 weight gauges showing oscillating readouts when running 2 3/8" tubing or larger in some cases. A solution has been found that improves the oscillation of the readout with only minor changes to equipment setup. In addition to the solution below, the following conditions must also be met: proper loadcell adjustment, tubing guide alignment, coiled tubing line pull and injector guying.

Solution: Install the new tubing guide roller position label (CB363757) covering the holes as shown in figure 1 below on the hold down box closest to the injector. Follow the roller position installation on the label to allow the tubing to move freely up and down due to the curves in the coiled tubing.

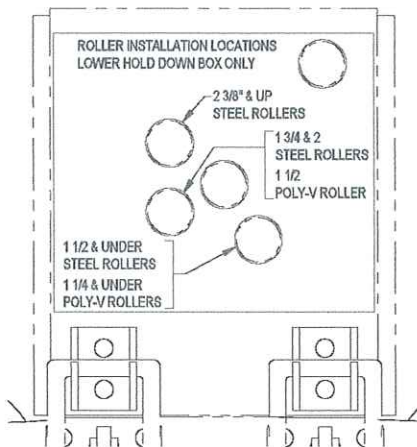


Figure 1 Roller Locations

Hydra Rig will supply this new label to you free of charge. To claim your new label please fill out the form below and fax it to 817-985 5282, or scan and email it to Richard.Russell@nov.com or Steve.Dawson@nov.com.

Approved by:	Drawings Included:	PIB Number: 24
		Date: August 8, 2017
		Page 1 of 2

Injector order number _____ (*found on injector ID plate*)


Hubometer reading _____

Ship to address

Contact name _____

Contact phone number _____

Contact email address _____

Approved by:	Drawings Included:	PIB Number: 24
		Date: August 8, 2017
		Page 2 of 2