



Tubing Anchor Tension Calculator

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Update yellow cells only

	Imperial	Metric
Tubing OD (inches)	2.875	73.0 mm
Tubing ID (inches)	2.441	62.0 mm
Tubing Type	L80	
Reservoir temp (°F)	260	127 °C
Producing wellhead temp (°F)	120	49 °C
Static wellhead temp (°F)	60	16 °C
Pump Depth (MD-ft)	9007	2745 mMD
Tubing between pump & anchor (MD-ft)	2	
Packer or Anchor Depth (MD-ft)	9009	2746 mMD
Number of Mud Joints (#)	1	
Length of Mud Joints (ft)	32	9.65 m
PIP at Pumped Off (psi)	310	2137 kPa
Annular Casing pressure (psi)	100	689 kPa
Running Tubing pressure (psi)	250	1724 kPa
Overpull Required at Surface (in)	12	0.30 m
Extra load for "pump tap" case (lbs)	0	0 daN
Tension to leave on Tubing Anchor (lbs)	0	0 daN
Surface Pull Required (lbs) with 12" of overpull	82,700	36,388 daN
Tubing Strength (80% of book value)	116,000	51,040 daN
Expected RIH string weight (lbs) (assumed pump depth fluid)	58,559	25,766 daN
Expected RIH string weight (lbs) (assuming well full of water)	51,700	22,748 daN
Required Tension on Tubing Hanger when landed (lbs)	25,000	11,000 daN