



SERVICE STUDY: HEAT TREATMENT

Tex-Isle developed proprietary steel grade to meet the performance requirements of horizontal drilling for 5.5" 20# production casing



EXECUTIVE SUMMARY:

When tasked with delivering a high-performance product, our engineering team worked with our operations group to develop a reliable, cost-effective solution for our customers. By working with our steel providers on specific chemistries and dimensional tolerances, Tex-Isle was able to guarantee above API specifications for collapse, tension, and burst ratings. Our operations group's tight production control during heat treatment ensures a "first time right" of ~98% on this grade.

Performance Standard	API Specification	Tex-Isle Specification	How Achieved
	P110	P110 EHC	
Collapse Rating	11,100 psi	13,150 psi	<ul style="list-style-type: none"> Proprietary chemistry Maximize average wall thickness Minimize eccentricity and ovality Strict control during austenitizing and tempering
Tension Rating	641,000 lbs	729,000 lbs	
Burst Rating	12,630 psi	14,360 psi	

