

High Frequency Electric Resistance Welded Pipe for

Offshore Application

Synopsis:

Steel pipe is used for offshore applications in the oil and gas industry.

(a) Before welding

(b) At welding

(c) After cutting of
the welded seam

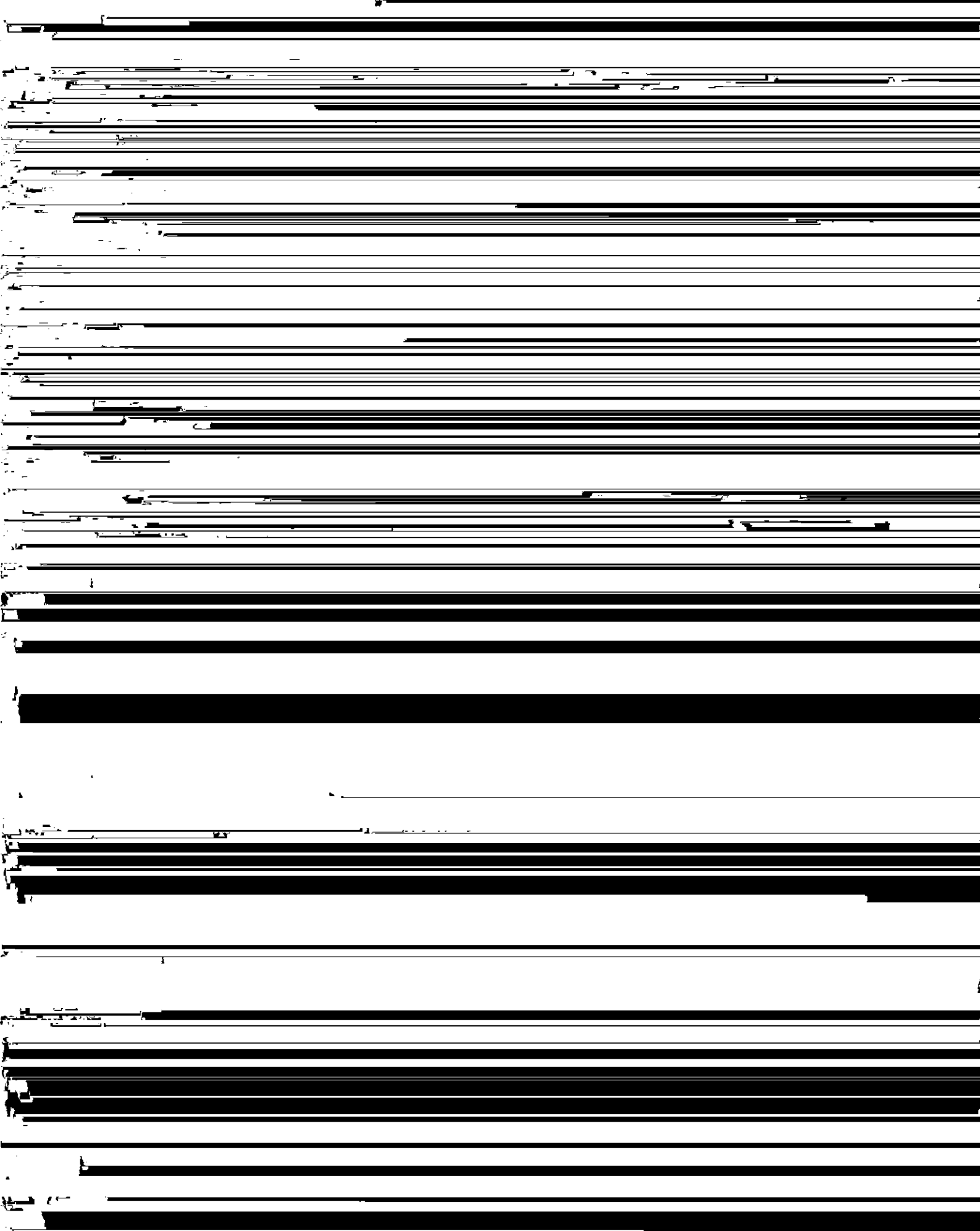
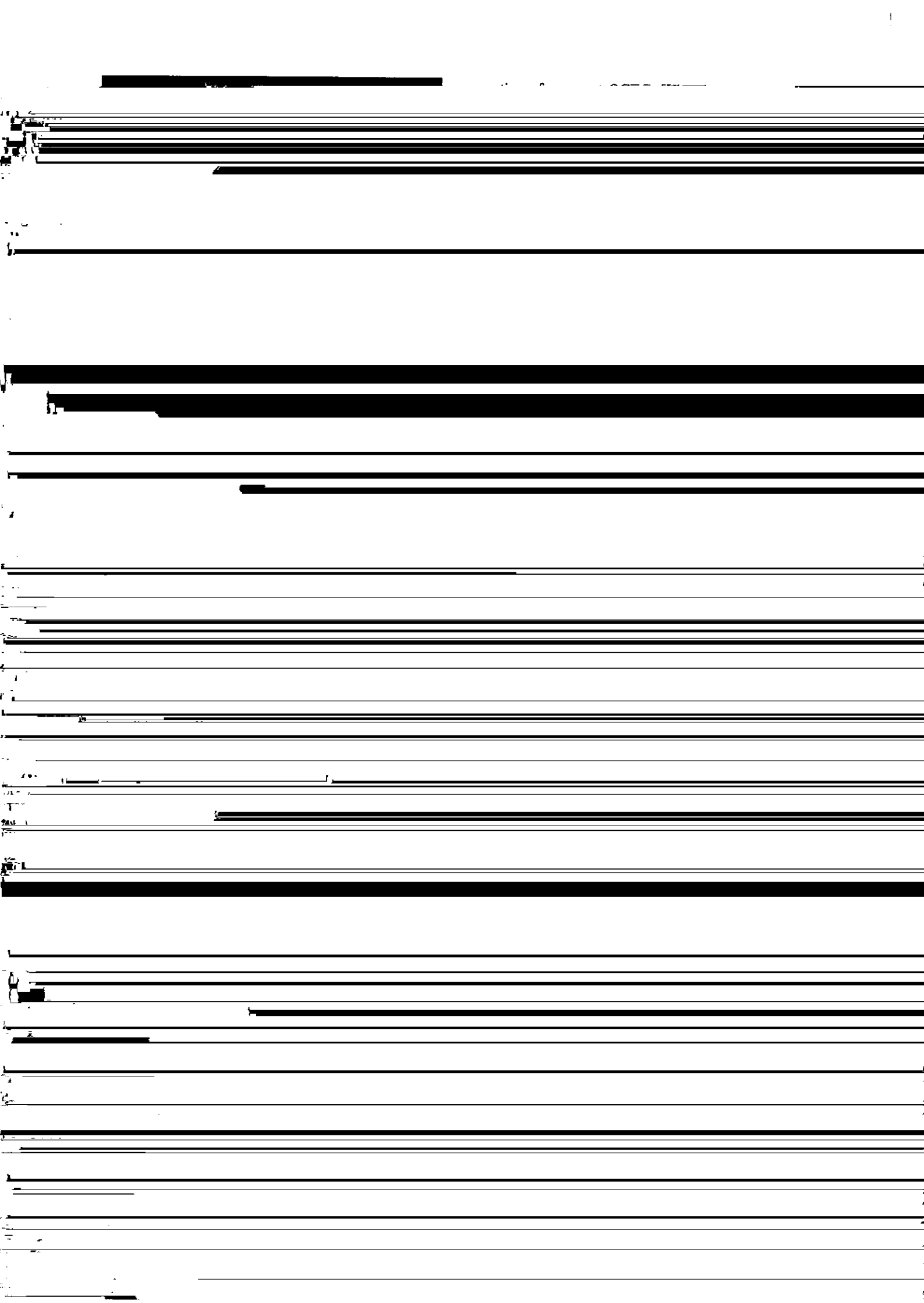


Table 1 Results of corrosion test in actual pipeline

	Crude oil pipe line	Natural gas pipe line	Geothermal steam pipe line
--	---------------------	-----------------------	----------------------------



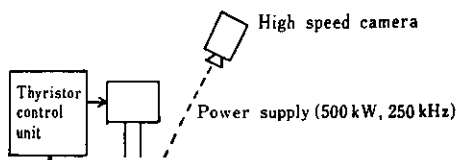


Table 6 Mechanical properties of ERW offshore
linepipe (API 5L X52, 16" x 0.625")

Direction	Location		n	\bar{x}	σ	Acceptance limit
		YS (psi)	28	66145	1340	52000~72000

Table 7 Charpy impact test results of ERW offshore
linepipe (API 5L X52, 16" x 0.625", 32°F,
full size)

Location	Direction	Energy (J)	Shear area*2 (in ²)
----------	-----------	------------	------------------------------------