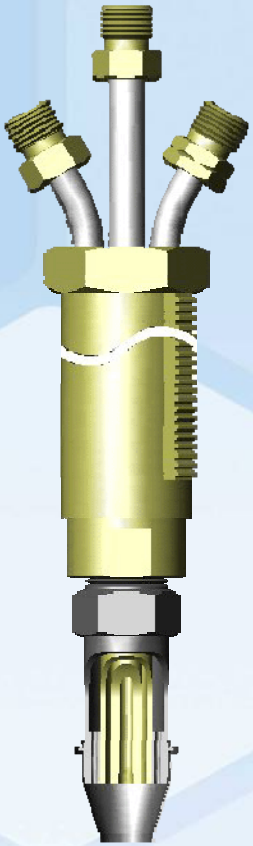
GAS INNOVATIONS

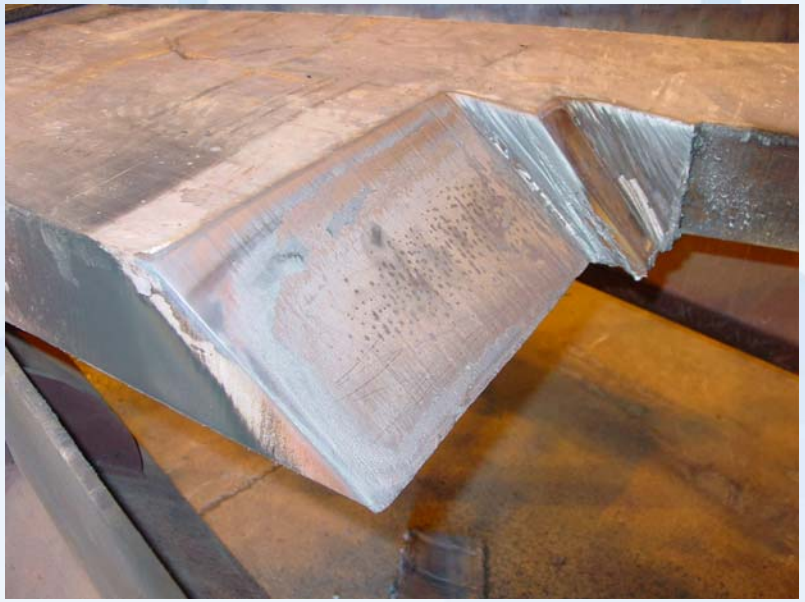
APPROACHING AN OLD INDUSTRY IN A NEW WAY <u>IMPROVING GAS SALES</u>

NEW PROPYLENE BEVEL CUTTING TORCH

BEVEL CUTTING PARAMETERS: Large Steel Fabricator in East Texas. Propylene was 15 psi, preheat oxy was about 20 psi, and cutting oxy was around 95 psi. 4 inch thick plate, the bevel measured 7.25 inches total depth, and travel was about 8 i.p.m. It was beveled COLD.



EM300-2B



REPLACES THE DUAL TIP BEVEL HEAD SET-UP

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Steel Casing Fabricator, New Iberia, LA EM 300 TORCH BEVELING

CASING 72” x 1-3/4” thick PROPYLENE FUEL GAS

They were using a Victor machine torch to bevel. This process took them approximately 35-40 minutes. The EM300-4C did the job in 12 minutes on its first pass. Only using 65 psi oxygen 15 psi Propylene Fuel Gas. What an incredible labor savings!

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EAST TEXAS, drag crane base plate 12” thick

DRAGLINE BASE PLATE – EM300 TORCH PROPYLENE 12” THICK

GAS INNOVATIONS

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EAST TEXAS Pressure Vessel Shop, 5” wall thickness cutting spigot holes on the hillside to a maximum of 10.5” EM Torch 300 tip.

Positioning & Automated Circle Cutting Equipment.

Hole is first pierced using a magnesium cut rod & Oxygen

Finished Cut
No grinding

10.5” SLUG CUT OUT

Test Set-up

5 to 10.5” cut looking down the side wall of the cut

28 FOOT PRESSURE VESSEL – EM300 TORCH USING PROPYLENE