THE PIGGABLE BLIND FLANGE

INTRODUCTION TO THE ISOPIG®

WWW.PIPELINEISOLATION.COM

Copyright © 2018
WHO WE ARE

• Founded in 2015, 3 year old company
• 145 years combined pipeline experience.
• Advanced offshore isolation technology that leaves pipe in superior condition to current hot tap/line stop methods
• True double block seal, bubble tight - used for liquid and gas
• Low-stress; designed to isolate in thin-walled pipe
• Safe Wireless communication protocol
• Highly piggable

Fully compliant member of ISNetworld®
Pipeline Pressure Isolation Group, LLC (#400-237318)
Fun: We encourage each other and make it fun to grow together (including customers and vendors).

Academia: We are a Learning and Teaching organization.

Clarity: We value clarity and use written processes and metrics for that purpose.

Time/True: We are on time and true to our word.

Speed (velocity): We apply a sense of urgency to be ready and to insure meeting deadlines and goals.
If you need to modify or repair a pressurized pipeline
WHAT ARE PIGGABLE ISOLATION PLUGS?

01 Pressure Barrier – Line remains packed and under pressure
02 Bi-Directionally Piggable

03 Stopped with Flow at Location
04 “Set” - Grips and Packer form a seal and keep tool in position

05 “Unset” and Pigged out of the line, or go to the next worksite
ISOPIG® MOST COMMON APPLICATIONS

- Pipeline Repairs
- Valve Repair / Replacements
- Batch repairs over long sections of pipe
- Emergency Stoppages
- Hydrotesting
ISOPIG® IDEA

For the first time the IsoPig® can be used for onshore pipeline and it is:

- Remotely controlled
- Safer for the environment (emissions and excavation footprint)
- Safer for your workers
- Faster (Minimal Excavating)
- Leaves Pipeline in Superior condition compared to traditional methods
IsoPig® isolation technology is extremely reliable due to:

- Fully redundant control and plug modules
- Double-block
- Bubble-tight seal
- Multiple sets on a single charge
- Reduced stress - Increased reliability
HOW DOES ISOPIG® WORK?

Plug Module
- Provides the pressure isolation

Telemetry
- Communicates Commands
- Receives Data
- Monitors Pressures/Temps

Control Module
- Operates the plug
Activation:

- Grips Extend and Engage Pipe
- Packer Extends and Engages Pipe
- True Energized Seal
- More Pressure, More Activation
Pipeline is a isolation "service" - Uses IsoPig® low stress tool
Applications for use include:

• Midline repairs
• Valve repairs / replacements
• Launcher / Receiver Repairs / Replacements (doors, valves, etc)
• Laterals / Proper Barred T's
• Excavation Safety
• Hydrotesting
CONTINUOUS SERVICE DURING REPAIRS

The IsoPig® can allow a repair to take place while keeping customers serviced!
MIDLINE REPAIRS OR VALVE REPAIR / REPLACE INCLUDING BATCH REPAIR

Advantages over Venting Entire Line:
- Avoids Excessive Noise
- Reduces Emissions
- Minimum Gas Loss/Lower Cost
- Improved Public Relations (Nuisance calls eliminated)
LAUNCHER OR RECEIVER VALVE REPAIR / REPLACEMENT
EXCAVATION SAFETY

Steve Kean, President and CEO – Kinder Morgan:
“...I want to emphasize one specific area. That is working on, or around our pipelines... We take notice of, and follow-up on any line hits. That’s because the consequences are potentially so severe, including death or serious injury...”

Allows isolation of work areas prior to dig to achieve higher level of safety.
Minimize catastrophic damage in the event of a line hits:
1) Environmental spills
2) Explosions
LATERALS/PROPER BARRED "T"

- Allows ILI tools to examine welds
- No need to leave a valve
- No coupon or guide bar alignment issue
HYDROTESTING

- No need to cut the line
- No welding on end-caps
- No need to remove end-caps
- No need to weld new pipe
- Progressive Hydrotest potential
For the best isolation tool...

Connect with the Pipeline Pressure Isolation Group today...

The experts in pipeline isolation!!

21233 West FM 529, Cypress, TX 77433-5139
+1 832 674 4096
sales@pipelineisolation.com