



Pipeline Performance™

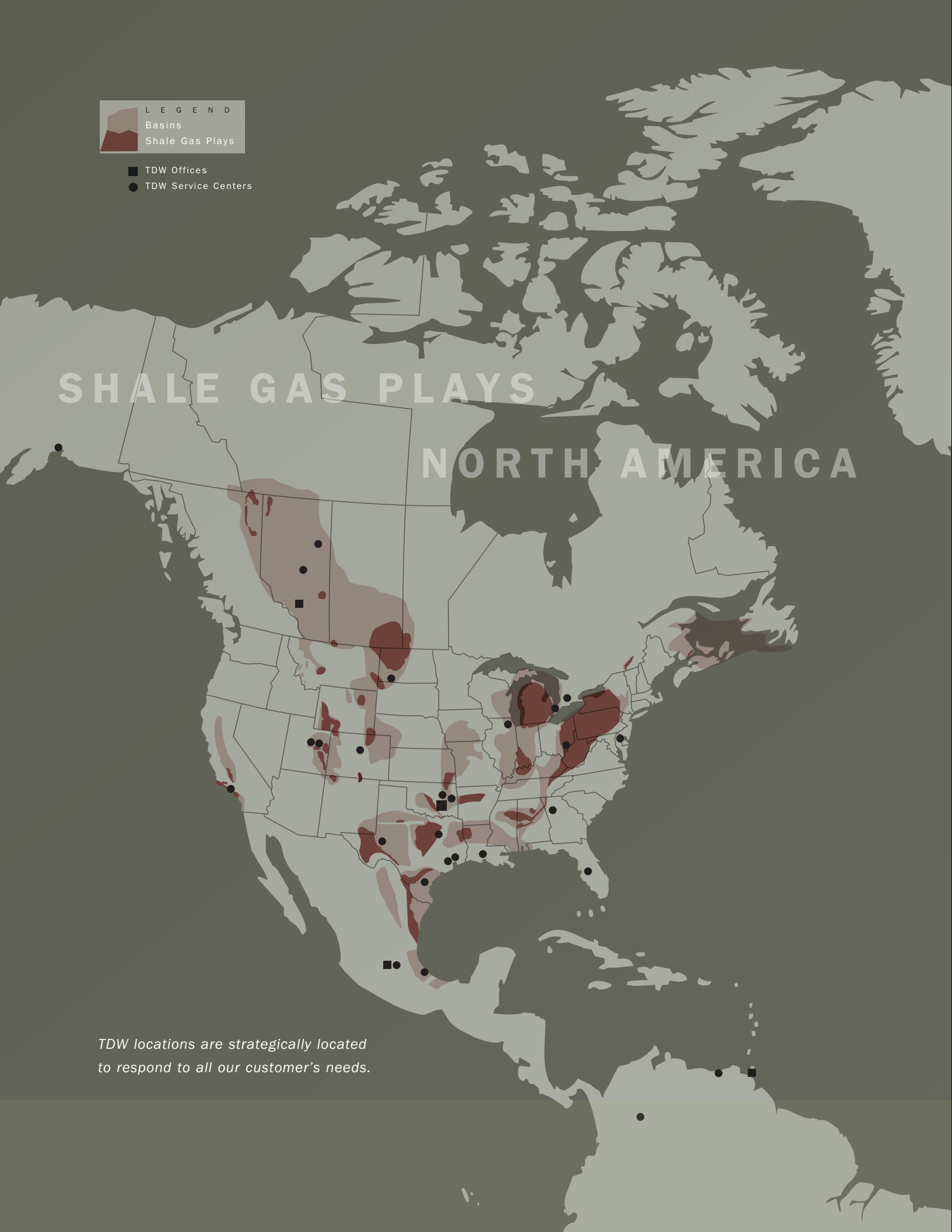


LEGEND

- Basins
- Shale Gas Plays

- TDW Offices
- TDW Service Centers

SHALE GAS PLAYS NORTH AMERICA



TDW locations are strategically located to respond to all our customer's needs.

Pipeline Assessment Services

For making lines *piggable*, understanding operating conditions or establishing an effective pigging program

Launchers

Pig launcher automated for multiple launches and the ability to run pigs, spheres or corrosion inspection tool

Pipeline Fittings

Tie-in services using Type III, or full-encirclement fittings and hot tapping and welding services

Process Equipment

For catching liquids and filtering solids

Receivers

Pig/sphere receivers for catching multiple pigs and spheres

Geometry Inspections

Services to prove line is free of major obstructions

Closures

Proven safe and easy-to-operate

Non-Destructive Examinations & Repairs

In-ditch verification of pipeline defects and repairs using composite wrap, steel sleeves or cut-out and replace

Pipeline Pigs

To clean and remove liquids

Spherical Pigs

To remove liquids

Pig Tracking & Locating

Comprehensive and reliable service

Corrosion Inspections

To prove pipeline integrity

Hot Tapping & Plugging

Future tie-ins, featuring TDW tapping and STOPPLE® fittings

PIG-SIG® Passage Indicators

To confirm pig passage

Pigging Services

Cleaning services to prepare line for inspection, increase flow and reduce corrosion, and to assure line is pigged effectively and reduce manpower requirements

Hydrostatic Testing

Services to prove line is leak-free and will hold pressure



www.tdwilliamson.com

T.D. Williamson, Inc.

North & South America: 918-447-5100

Europe/Africa/Middle East: 32-67-28-36-11

Asia/Pacific: 65-6364-8520

Offshore Services: 832-448-7200



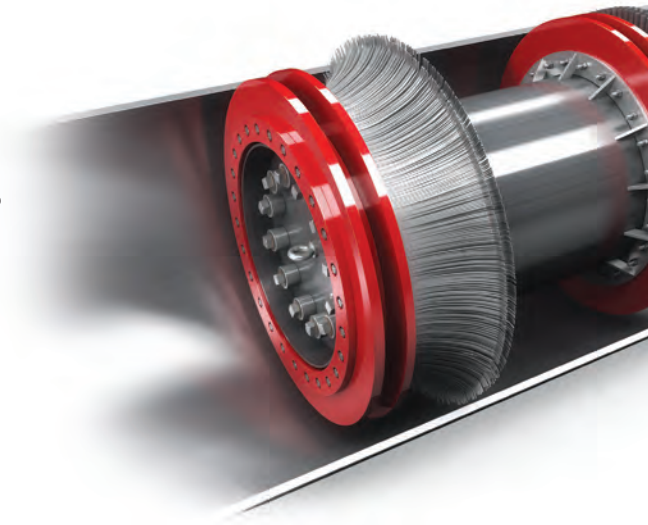
TDW Gathering System Solutions

In keeping with the latest advances in piping maintenance and repair technologies, our broad spectrum service capabilities and fully engineered, state-of-the-art equipment are continually refined and supported through firsthand field experience and problem solving expertise.

Pigging Products & Services

Increase Throughput / Mitigate Corrosion

- Pigs (spherical, cleaning, batching, displacement)
- Closures (D-500 / D-2000)
- Pig Launchers and Receivers (complete systems with automation)
- Pig Indicators (intrusive and non-intrusive)
- Pig Tracking Equipment
- Hydro-testing (new construction or integrity testing)
- Drying
- Cleaning (mechanical and chemical)
- Liquid Displacement
- Pig Tracking and Locating
- Anomaly Stationing
- Above Ground Marker (AGM) Placement and Retrieval
- Rental Pig Traps, Separation and Filtration Units



Pigging Products

Integrity Inspection Services



Closures



Pig Launchers and Receivers



Line Intervention & Repair Services

Repair and Rehabilitate Damaged Pipe

- Hot Tapping (tie-ins)
- Plugging
- Composite Wrap Products and Installations
- Steel Sleeve Products and Installations
- In-Service Welding
- Fittings (tie-ins or plugging)
- Double-Hub Fittings

Assessment Services

Prove Pipeline Integrity

- Inline Inspections (MFL, Spiral MFL and Mapping)
- Geometry Inspections
- Non-Destructive Examination (NDE) and Repair Services
- Pipeline Operation Assessments

Pre-Commissioning & De-Commissioning Services

Extend Pipeline Life / Reduce Operating Cost

- Pre-Cleaning
- Line Fill
- Hydrostatic Testing
- Dewatering
- Drying
- Geometry Inspections
- Line Cleaning and Displacement



Type III and Full-Encirclement Fittings



KALIPER® 360 Technology



Hydrostatic Testing Services



Non-Destructive Examinations



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