



RED | BARON
**WELL
INTERVENTION
SOLUTIONS**

Customized, Customer-Focused Wellbore Integrity Solutions

Headquartered in Houston, Texas, Wellbore Integrity Solutions was established by industry veterans with **extensive experience** in the wellbore integrity market space and global operating experience in oilfield services, manufacturing, and E&P. Through our strategy of focusing on wellbore integrity, we provide **product and service expertise** to our customers while working collaboratively to **develop solutions** that meet specific customer needs.

Our Mission:

Create a **PEOPLE CENTRIC** company delivering profitability, growth, and a greener future focusing on superior technology, value, and **SERVICE QUALITY** for our customers.



Our Vision:

To be recognized globally, focused on **INNOVATIVE SOLUTIONS** to increase asset value, operational efficiency, and **REDUCE ENVIRONMENTAL RISK** for all our futures.



Our Values:

Well-Being and Environmental Stewardship.

Protect our people and preserve the communities and environments where we work.



Trust and Teamwork. Conduct business with transparency, inclusivity, and trust.

Customer Focus. Strive to exceed customer expectations.

Deliver Results. Drive financial performance for WIS stakeholders and customers.

Enterprising. Open and receptive to creative thinking.



**Highly Productive Tools.
Restoring Wellbore Integrity.**



**Wellbore
Integrity
Solutions** is
ready for all your
well integrity
requirements.



Bi-Mill

Wellbore Departure

The **TrackMaster* Select/OH/OH-C** whipstock systems have the widest array of configuration options on the market today, tailored to specific customer requirements. Each configured option offered is the result of continuous engineering improvements and experience gained over many years. It is an **engineered solution** to provide customers with a stronger, faster, and more **reliable sidetracking system**.

Applications:

Conventional Sidetracks

- Single casing
- Hard formation
- Extended rathole
- Elongated window
- Open hole sidetrack

Advanced Sidetracks

- Heavy wall, high strength casing
- Corrosion resistant alloy casing
- Lowside exit
- Dual and triple casing

Specialized Sidetracks

- Custom multi-lateral junctions
- Flow by access configurations

Features:

- **Mills:** Bi-mill, Tri-mill and Quad-mill configurations
- **Whipstocks:** Unique multi-ramp profile offers rapid cut out and extended full gauge window
- **Anchors:** Hydraulic, mechanical, retrievable packer, permanent packer—all anchors secure the system in the wellbore

WIS TrackMaster Systems

- TrackMaster Select Whipstock
- TrackMaster Open Hole (OH) Whipstock
- TrackMaster Open Hole-Cementing (OH-C) Whipstock

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WELL INTERVENTION Solutions

Fishing

Wellbore Integrity Solutions' (WIS) Red Baron fishing experts have the knowledge, experience, and products for wellbore intervention operations. Conventional cased hole intervention and fishing services are often required to enable wellbore access, including operations such as completion recovery, retrieval of a fish, removal of obstructions, or general cleaning of junk and debris.

WIS' Red Baron product line offers a **comprehensive portfolio** of equipment and draws on more than **40 years of operational experience** to safely and efficiently workover wells with wellbore integrity issues. A global footprint of support bases and experienced personnel deliver customer-focused solutions.

Open and Cased Hole Fishing

- Global population of fishing operational specialists
- Network of workshop facilities to provide a rapid response
- Comprehensive fleet of tools and supporting inventory

Applications:

- Unplanned open hole BHA recovery
- Planned workovers and re-completion
- Casing repair
- Packer milling and retrieval
- Milling and debris removal
- Stuck pipe remediation
- Washover operations
- On-site contingency equipment rental packages

Global Experience, Local Expertise

- Subject matter experts embedded in customer locations
- Experienced rig site personnel
- In-house training and development
- "Wisdom" knowledge management and continuous improvement system

Reverse Circulating Units

Our fleet of highly capable operators and equipment packages can be deployed for workovers, maintenance, and recompletion services.



Reverse Circulating Unit



11. TMC Single-Acting Hydraulic Fishing Jar
12. TMC Bumper Sub
13. Washover Shoes



Heli-Mag

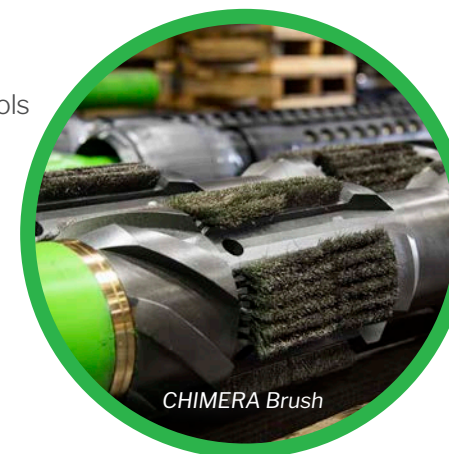
CHIMERA Wellbore Cleanout Tools

The CHIMERA portfolio of wellbore cleanout tools offers efficient solutions for a wide range of applications. The value of a clean wellbore is highly recognized in our industry; the adoption and use of wellbore cleanout tools has demonstrated significant **operational benefits** along with reduced operational risks.

Casing Cleaning

The modular design platform of these tools offer component interchangeability and are easy to maintain. These tools are rugged, non-rotating solutions to ensure thorough cleaning of the casing and tubing internal diameters after drilling out a scale plug.

- **Uni-Blade* Scraper**
- **CHIMERA Brush**



CHIMERA Brush

Debris Management

The Debris Management portfolio includes a range of magnets, filters, and catchers suited to a wide range of applications. The magnets used are "rare earth" type that provide a high carrying load and a strong resistance to demagnetization.

- **Uni-Mag***
- **Heli-Mag***

The Uni-Mag and the Heli-Mag are ideal for steel cutting debris management in milling applications such as sidetracking with the **TrackMaster Select System** or section milling with the **ProMILL*** and **ProMILL Duo* Systems**.

Combo Efficiencies

The CHIMERA portfolio offers numerous combination efficiencies, where multiple features are combined into a single product. This enables trip saving, reduces operational cost, and improves the overall cleaning process.

- **Cerberus***
- **Hybrid Tools**
- **Mag-Jet***
- **Eco-Max***

Wellhead and Riser Cleaning

The **Riser Cleaning Tool** simultaneously brushes and collects debris that resides in the Riser. It is designed to pass through wellhead ID restrictions and is equipped with full coverage brushes to maximize cleaning efficiency. An integral junk basket ensures that debris removal is captured and retained.

Circulation and Jetting

A selection of flow bypass and circulation subs are available as accessories to complete wellbore cleanout operations. Multiple sizes and configuration options can be provided. Contact your local WIS representative for more details.

Well Abandonment and Slot Recovery

WIS' Red Baron comprehensive Plug and Abandonment (P&A) systems bring certainty and rig-time savings to your P&A operations. Our P&A system designs deliver the **most effective**, trip-saving technology in the industry. We focus on creating reliable technology that will enable our customers to complete P&A processes in a single trip, **increase certainty**, and reduce non-productive time (NPT).

Our systems cover the milling and underreaming, casing cutting and pulling, and wellhead retrieval processes. From achieving rock-to-rock zonal isolation to latching onto the wellhead for recovery, our P&A systems support time and money savings across the board.

- **ProMILL*** Section Milling and Underreaming System
- **ProMILL Duo*** Dual Casing Section Mill
- **ProCISE*** Casing Cutting and Recovery System
- **ProLATCH*** Subsea Wellhead Retrieval System
- Milling and Cutting Structures
- Casing Cutting
- Section Milling
- Casing Milling
- Underreaming
- PullMaster Hydraulic Pulling Tool

To round out our P&A solutions we also offer mechanical perforation, FiberLine Intervention, and cleaning and conditioning technologies.

Thru-Tubing (TT) Services

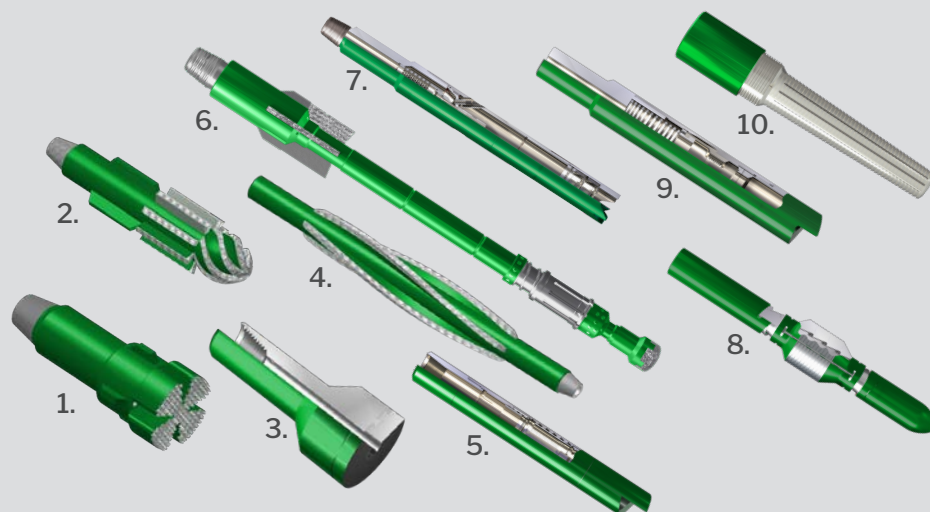
Thru-Tubing fishing and milling is a **complete system** for the removal of obstructions that prevents accessing the wellbore. TT operations involve determining what type of fishing and milling is needed for the project and assessing the condition of the well using a wide range of Red Baron portfolio options.

- TT Fishing and Milling
- Scale Removal and Wellbore Cleanout
- TT TrackMaster System
- Plug Milling
- Under Reaming
- Vibration Tools



Thru-Tubing Unit

Open and Cased Hole Fishing Tools



1. Conebuster Mill 2. Pilot Mill 3. Impression Blocks 4. String Mill 5. External Casing and Tubing Patches 6. Packer Mill 7. Jet Junk Basket 8. Itco-Type Releasing Spear 9. Rotating and Releasing Overshot 10. Taper Tap

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Well Intervention Solutions



For more wellbore intervention information:

wellboreintegrity.com/RedBaron



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DRILCO

**THOMAS
TOOLS**