

How Do You Manage Temporary Abandonment?



**All the resources and expertise for your
temporary abandonment applications**



Baker Oil Tools

GT™ LOK-SET® Retrievable Bridge Plug

The GT™ LOK-SET® RBP is a version of the G™ LOK-SET RBP that can be positively tested from above and below. Also, well control can be maintained through the drillpipe while equalizing pressure from below the plug.

Current regulations in certain drilling markets require three containment barriers for temporary abandonment of a well. The GT LOK-SET RBP provides one of those barriers and can be positively tested from both above and below.

Applications

1. Secondary barrier for changeover between drilling and production phases
2. Isolate production for water shut-off
3. Test casing above and below GT plug

Features and Benefits

- Pressure control—pressure equalized from below the plug will be contained in the work-string before the plug is released by utilizing seals in the retrieving head
- Drillpipe connection at bottom of plug for handing drillpipe and downhole instrumentation
- Proven features—contains all the proven features of the G LOK-SET RBP
- Balanced unloading sleeve for easy and safe pressure equalization, and controls fluid flow through the bridge plug while run in
- Opposed dovetail slips prevent movement in either direction and minimize casing damage
- Releasable lock segments hold the tool in the set or unset position
- Right-hand set and release
- Drilling and removal of hard fill with retrieving head before equalizing and retrieving
- Booster sleeve helps maintain element packoff during pressure reversals

GTV™ LOK-SET® Retrievable Bridge Plug

Enhanced Performance Features

1. 8,500 psi above and below
2. V0 qualified for short and long term abandonment
3. Tested to ISO 14310 specifications
4. Utilizes Premier® Packing Element System

The GTV™ design validation testing has been qualified to the V0 acceptance criterion, as defined by the API specification/ISO 14310 14310:2001 (E) standard. In order to meet the test criteria, the tool must be subjected to gas as the testing medium and specified axial load and temperature cycling, all while maintaining an anchor and seal. A zero bubble leak rate across the tool is allowable and is monitored in a graduated cylinder during the hold period of 15 minutes per pressure test (after sufficient time has been allowed for stabilization).



GT™ Retrievable
Bridge Plug

GTV™ Retrievable
Bridge Plug

Solutions for Any Temporary Abandonment Situation

Finding a tool or system for a specific temporary abandonment situation is no longer a burden. Baker Oil Tools is an industry leading supplier of tools and services for temporary well abandonment applications. When flawless execution becomes essential, Baker Oil Tools is ready to provide the equipment you need in a timely manner, along with experienced personnel to reliably deploy any system required. The robust design of our equipment combined with our full portfolio of accessories allows us to provide the right tool for any temporary abandonment application.

Whether you are dealing with a BOP change-out or an emergency evacuation, Baker Oil Tools has you covered. The strategic geographical location of our shops and the availability of our equipment eliminates the need for you to shop around for an abandonment solution. And, most important of all, our tools and world class service are backed up by the high quality standards that Baker Hughes has maintained for years.

ASAP™ Surface Isolation System

Makes Quick Work of Temporary Well Shut-ins, Without Having to Pull the Workstring

Don't waste time and money pulling the workstring to temporarily shut in a well. Baker Oil Tools' new All Service Adaptable Packer (ASAP™) Surface Isolation System provides a quick, one-trip method of disconnecting the running string while safely holding the remaining workstring in the well. The ASAP System combines our best-in-class retrievematic service packer and rotational equalizing sub with a new hydraulic disconnect tool. Now there is no need to pull the workstring prior to emergency rig abandonment or temporary surface isolation.

How the ASAP™ System Works

The ASAP System's superior performance is a result of three key components:

- The hydraulic disconnect tool allows the system to be disconnected from the workstring and left in the wellbore for temporary abandonment; to retrieve the system, the hydraulic disconnect tool is used to reconnect to the workstring and pull the system out of the hole
- The rotational equalizing sub is a valve in the workstring designed for use in plugging and equalizing drillpipe or tubing above the retrievematic service packer
- The retrievematic service packer provides annular pressure containment and serves as the anchoring device to hold the workstring in the well while the running string is disconnected; the retrievematic is the industry's most popular and field-proven stimulation and workover service packer

Applications

1. Storm evacuation
2. Repair and testing of wellhead or BOP
3. Casing evaluation

Features and Benefits

- One-trip multiple, disconnect and reconnect capability saves time and money
- Workstring auto-fill while running in the hole
- Hydraulic disconnect tool releases the retrievematic service packer and rotational equalizing sub leaving the majority of the workstring in the hole
- Retrievematic service packer is the industry's most popular and proven stimulation and service packer



ASAP™ Surface Isolation System

Blue Whale® ISP

The Heavy-Duty, Drillpipe-Conveyed Inflatable Packer Specifically Engineered for the Heavy Demands of Deepwater Environments

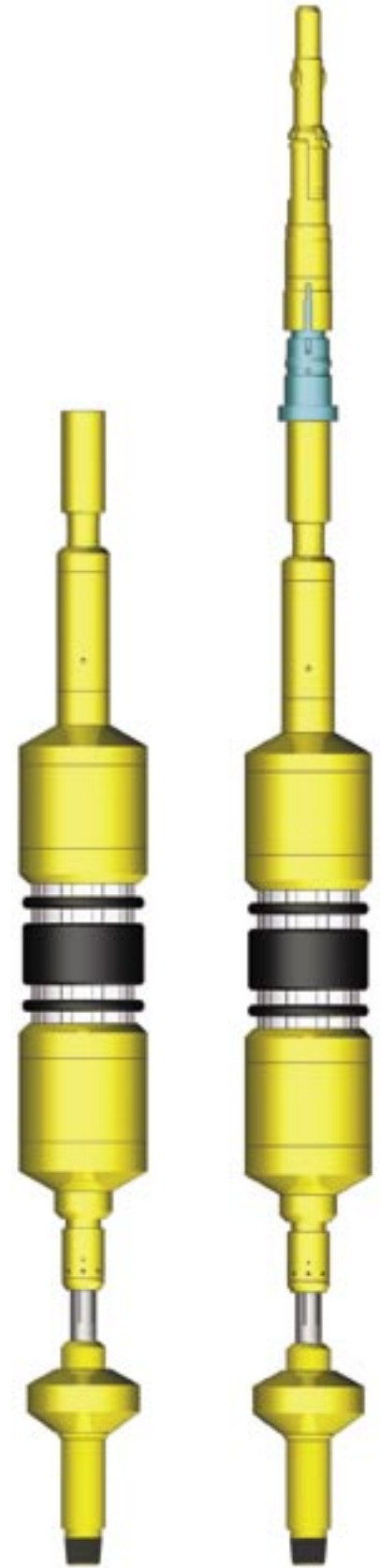
Blue Whale® ISP answers the need for a single tool that will flawlessly seal a wide range of casing and open-hole sizes up to 36 inches in critical, deepwater applications. On deepwater rigs operating offshore, where rig time, space, and transportation are expensive, this unmatched range of capability in a single tool makes Blue Whale ISP an easy decision.

Blue Whale® Cuts Rig Time, Storage Requirements, and Transportation Costs

On a deepwater rig, the Blue Whale ISP can pay for itself quickly. The tool is designed to be handled with standard rig handling tools found offshore including “Iron Rough-neck”-type power tools for making and breaking connections. Because the Blue Whale ISP is so flexible, it reduces the number of special-purpose tools that have to be stored onboard. And it greatly increases the chances that the tool you need in unexpected situations will be there and not in a warehouse hundreds of miles away.

Applications

1. Changeover from drilling riser to production riser with constricted I.D.
2. Evaluation of casing with limited pipe weight
3. Temporary abandonment with restriction on BOP lockdown assembly
4. Isolation of non-API casing



Blue Whale® ISP with
Dual Anchor Element

Blue Whale®
Temporary Bridge Plug

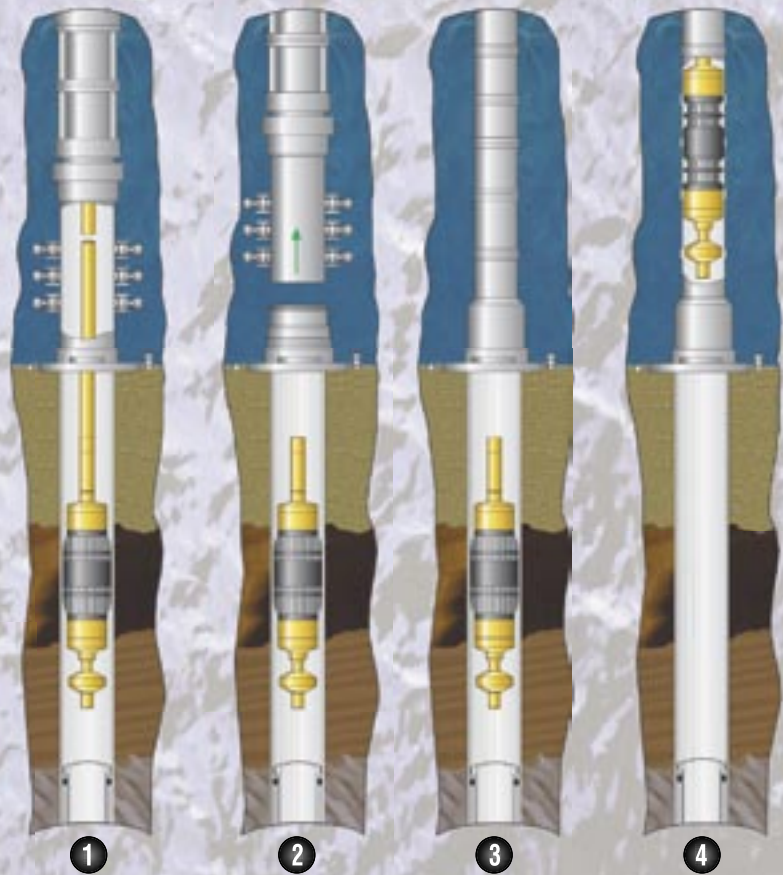
Retrievable Bridge Plug (RBP) in Cased Hole

1 Set RBP, Disconnect

2 Pull Drilling Riser and Sub-Sea BOP

3 Run Production Riser

4 Equalize, Release, and Retrieve RBP



A retrievable bridge plug acting as a secondary barrier below a subsea wellhead restriction in an offshore, pre-drilled well. The well is temporarily abandoned after the completion liner is set. When it is re-entered after the completion platform is brought to location, the plug is removed and the completion run.

Features and Benefits

- Components have much higher tensile and torque strength than ordinary ISP's
- 3-1/2 IF end connections with a minimum 12 in. of tong area simplify rig-up and rig-down on location
- Inflatable element length is 103.25 in. for larger seal area and greater anchoring capabilities
- Through-tubing style poppet valve and Delayed Opening Valve (DOV) are integral to the design to enhance reliability and performance
- Shear-pinned bottom sub and bottom guide prevent the sealing element from "wadding up" when running through tight restrictions and long, horizontal laterals
- Inflation and deflation areas have been maximized to reduce the chance of blockage during deflation
- All metal components of the chassis are NACE-approved for H₂S service

Get the Answer to Your Deepwater Temporary Abandonment Challenges from the World Leader in Tools and Services for Temporary Well Abandonment Applications

The relentless search for new oil and gas deposits, along with progress in oilfield technology, creates new challenges. We have listed only a few of the common temporary abandonment applications for our tools. Contact your Baker Oil tools representative for any temporary abandonment situation you may have, or visit us at www.bakeroiltools.com. We will find the creative solution that best suits your needs.