#### Please read this entire page. It concerns all 7%" & 9%" Vented Thru-tubing Bridge Plugs

Whenever running a 7%" or 9%" Neo vented metal petal thru-tubing bridge plug (NeoT-TBP) it is essential that WL operators be aware of the following:

Whenever running a 7%" or 9%" Neo vented T-TBP at service temperatures below 235° F, the metal petal basket can be destroyed if two much cmt slurry weight is placed atop the basket. The following operations are recommended when service temperatures are below 275° F.

When plugging-back in 7%" or 9%" csg using a vented T-TBP and WL dump bailing operations, the first dumped batch of cmt slurry must protect the metal petal basket. It must develop strength and bond to the csg before a second cmt slurry batch can be placed atop the first cmt slurry batch. It is mandatory that the first cmt dump run must be set and capable of supporting the weight of subsequent cmt slurry dump runs.

- 1. The 1<sup>st</sup> dump run should be 1-2 gallons of ceramic bridging aggregate or 20/40 mesh sand. Dump the aggregate/sand from 5 10 ft above the top of the vented T-TBP.
- 2. Locate the bottom of the cmt slurry bailer 3 ft above the metal petal basket and dump 3-5 gallons of 17 ppg NeoSuperSlurry atop the aggregate/sand,
- 3. If you do not accelerate the strength development and bonding of your cmt slurry to csg you must wait on cement <u>before GIH with a 2<sup>nd</sup> NeoSuperSlurry cmt dump run</u> as follows:
  - a. WOC 5 hrs if the temp at the basket is above 275° F, or
  - b. WOC 6 hrs if the temp at the basket is between 251°-275° F, or
  - c. WOC 7 hrs if the temp at the basket is between 226°-250° F, or
  - d. WOC 8 hrs if the temp at the basket is between 215°-225° F, or
  - e. WOC 9 hrs if the temp at the basket is between 201°-214° F, or
  - f. WOC 10 hrs if the temp at the basket is between 176°-200° F, or
  - g. WOC 15 hrs if the temp at the basket is between 161°-175° F, or
  - h. WOC 20 hrs if the temp at the basket is between 70°-160° F.

NeoProducts recommends that WL companies always load out with multiple Neo Accelerator Modifier Packs (P/N 0101-225-017) whenever dumping cmt slurry at service temperatures below 225° F.

- 4. If you accelerate the strength development of your cmt slurry, Neo Accelerator Modifier Packs can reduce WOC times by ~2-6 hrs, for example:
  - i. WOC 6 hrs if the temp at the basket is between 215°-225° F, or
  - ii. WOC 7 hrs if the temp at the basket is between 200°-214° F, or
  - iii. WOC 8 hrs if the temp at the basket is between 175°-199° F, or
  - iv. WOC 10 hrs if the temp at the basket is between 161°-174° F, or
  - v. WOC 12 hrs if the temp at the basket is between 150°-160° F, or
  - vi. WOC 15 hrs if the temp at the basket is between 70°-149° F.

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#### Please read this entire page. It concerns all Size #1 Vented Thru-tubing Bridge Plugs

Whenever running a Size #1 Neo vented metal petal thru-tubing bridge plug (NeoT-TBP for use in casing sizes ranging from 2-3/8" thru 4") it is essential that WL operators be aware of the following:

- 1. The 1<sup>st</sup> dump run should be 0.5-1 gallon of ceramic bridging aggregate or 20/40 mesh sand. Dump the aggregate/sand from 5 10 ft above the top of the vented T-TBP.
- 2. Locate the bottom of the cmt slurry bailer 1 ft above the top of the vented T-TBP and dump 1-2 ft of 17 ppg NeoSuperSlurry atop the aggregate/sand,
- 3. If you do not accelerate the strength development and bonding of your cmt slurry to csg you must wait on cement <u>before GIH with a 2<sup>nd</sup> NeoSuperSlurry cmt dump run</u> as follows:
  - a. WOC 5 hrs if the temp at the basket is above 275° F, or
  - b. WOC 6 hrs if the temp at the basket is between 251°-275° F, or
  - c. WOC 7 hrs if the temp at the basket is between 226°-250° F, or
  - d. WOC 8 hrs if the temp at the basket is between 215°-225° F, or
  - e. WOC 9 hrs if the temp at the basket is between 201°-214° F, or
  - f. WOC 10 hrs if the temp at the basket is between 176°-200° F, or
  - g. WOC 15 hrs if the temp at the basket is between 161°-175° F, or
  - h. WOC 20 hrs if the temp at the basket is between 70°-160° F.

NeoProducts recommends that WL companies always load out with multiple Neo Accelerator Modifier Packs whenever dumping cmt slurry at service temperatures below 225° F.

- 4. If you accelerate the strength development of your cmt slurry, Neo Accelerator Modifier Packs can reduce WOC times by ~2-6 hrs, for example:
  - i. WOC 6 hrs if the temp at the basket is between 215°-225° F, or
  - ii. WOC 7 hrs if the temp at the basket is between 200°-214° F, or
  - iii. WOC 8 hrs if the temp at the basket is between 175°-199° F, or
  - iv. WOC 10 hrs if the temp at the basket is between 161°-174° F, or
  - v. WOC 12 hrs if the temp at the basket is between 150°-160° F, or
  - vi. WOC 15 hrs if the temp at the basket is between 70°-149° F.

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### NeoPushTool (NeoPT) Run-In Procedures

Document #: DRI-0178-0169

#### **NeoProducts Metal-Pedal-Platform Thru-Tubing Bridge Plug**

#### **NeoT-TBP**

# Run & Set in Csg and Wellbore Brine Generic Run-in Procedures

#### **Recommended Operations to Maintain Static Wellbore Conditions**

The operations below were strictly followed for many decades of high success rate Thru-tubing Plug-back Operations. Many WL operators are unaware of or have chosen to not perform these critical operations. Maintaining static wellbore conditions during Thru-Tubing Plug-back Operations is critical.

These are recommended procedures that will maintain a relatively static shut-in tubing pressure (SITP) and overall wellbore pressure when making multiple wireline (WL) & Slickline (SL) runs in and out of the well

- 1. Perform the lubricator pressure test using the appropriate water solution e.g., fresh water, brackish water, or weighted brine.
  - a. Use a 25% glycol/water solution if there is gas below the Master Valve (MV).
  - b. The pressure test should be at least 250 psi above the SITP.
- 2. Once the lubricator pressure test is finished, reduce the lubricator pressure to be 50-100 psig above the SITP
- 3. Slowly crack open the MV and allow pressure equalization. Record the lubricator/wellhead SITP.
- 4. Descend into the well.
- 5. Monitor, record and adjust the wellhead pressure throughout descent and ascent operations. This must be done during every RIH until the plug is pressure tested.
  - a. Record the SITP before and after opening the MV on every RIH. Call this the recent SITP.
  - b. Maintain a constant wellhead pressure equal to the recent SITP ± 50 psig for that RIH.
    - i. Wellhead pressure can increase due to descending line displacement while RIH, bleed off wellhead pressure at the surface to maintain recent SITP  $\pm$  50 psig,
    - ii. Wellhead pressure can decrease due to ascending line displacement while coming out of the hole (COOH). Pump 25% glycol water solution into the wellhead to maintain the recent SITP  $\pm$  50 psig,
- 6. Perform a pressure test when and as instructed.

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#### **Due Diligence**

Thru-tubing plug-back operations can have a high success rate if the following principals are practiced:

- Read these recommended procedures prior to handling and running the plug.
- Use NeoSuperSlurry Cement Kits to achieve the desired long-term hydraulic isolation in the wellbore.
- If the plug is to be run in a sour/corrosive environment, special preparations and/or a specially designed plug may be necessary. Contact NeoProducts for more details.
- Set the plug at the desired depth.
- Locate the bottom of the first bailer run approximately 5 ft above the top of the plug and dump
   1-2 gallons of ceramic aggregate from that location.
- Locate the bottom of the 2nd bailer run approximately 3 4 ft above the bailer stop and dump 3-5 gallons of cmt slurry atop the ceramic aggregate.
- WOC until the slurry is set (approximately 5 6 hrs) before dumping the second run of cement slurry. For Size #1, 7-5/8", & 9-5/8" NeoT-TBPs, please refer to the first two pages or also Appendix A at the end of this document for special notes on dumping cement atop these NeoT-TBP sizes.
- <u>Locate the bottom of the 3<sup>rd</sup> bailer run approximately 1-2 ft above the previously dumped cement and dump 4-5 gallons of cmt slurry.</u>
- WOC an additional 3 hrs before GIH to make the remaining dump runs for the desired overall cmt plug length. This will allow the cement slurry to support all subsequent runs of cement.
- There is no sliding vent port that needs to get closed on the NeoT-TBPs, not including the 9-5/8" NeoT-TBPs. The 9-5/8" NeoT-TBPs do have the sliding vent port that does need to get closed.
- Wait a minimum of 18-24 hours after the last dump bailer run <u>before pressure testing the cement plug.</u>

The following well information and contingency preparations should be reviewed and recorded. Fill in the information below before running the **Neo**T-TBP in the well. Determine the following depths and write them in their space below;

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a.	the depth from the bottom of the plug to the top of the nearest perforations below the set plug
b.	the approximate depth from the CCL on the toolstring to the nearest casing collar
	below the CCL
C.	the approximate depth from the bottom of the plug to the next casing collar below
	the plug
d.	the approximate depth from the top of the plug to the bottom of the nearest existing
	perforations above the plug
e.	the approximate depth from the top of the plug to the bottom of the future nearest
	perforations above the plug

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#### PRE-PROJECT PREPARATION FOR A THRU-TUBING PLUG-BACK OPERATION

1. Locate the NeoPushTool (NeoPT, P/N: 0178-169-001) and NeoThru-TubingBridgePlug (NeoT-TBP) and place them on a clean, flat surface in order to thread the NeoPT to the NeoT-TBP. [see Figures 1 & 2]

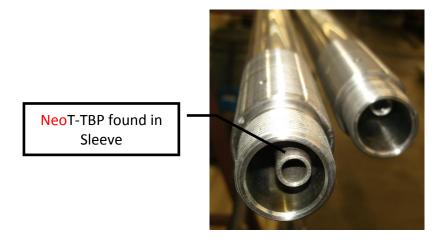


Figure 1: NeoPT Ready to be Attached to NeoT-TBP



Figure 2: Top Threaded End of NeoT-TBP Sleeve

2. Proceed to inserting the NeoPT into the top threaded end of the NeoT-TBP Sleeve. Note: Make sure the NeoT-TBP, found inside the NeoT-TBP Sleeve, goes through the center of the NeoPT. [see Figures 3, 4, & 5]



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Figure 3: NeoT-TBP found inside the NeoT-TBP Sleeve (this center tubing must go through the center of the NeoPT when inserting the NeoPT into the NeoT-TBP Sleeve)

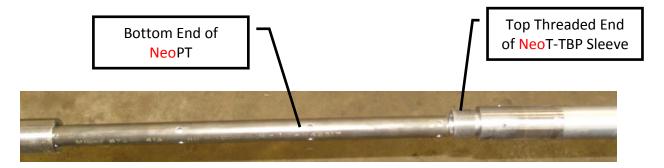


Figure 4: NeoPT being inserted into the NeoT-TBP Sleeve



Figure 5: NeoPT being inserted into the NeoT-TBP Sleeve

3. Thread the NeoPT onto the NeoT-TBP Sleeve until shouldered up. [see Figure 6]

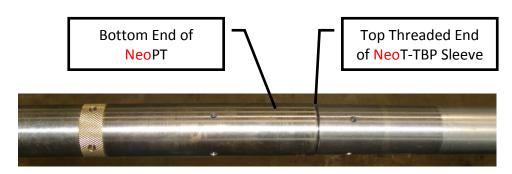


Figure 6: NeoPT Threaded onto the NeoT-TBP Sleeve

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4. Now that the NeoPT has been threaded onto the NeoT-TBP Sleeve, you can proceed to preparing the tools to RIH.

#### **SAFETY NOTICE**

Preparation and use of equipment must be performed in accordance with all applicable county, state, and federal requirements. All operations must comply with the safety requirements of the operating company, the on-site operating authority, and all involved service companies. Personnel handling explosives must be qualified in accordance with all applicable county, state, and federal requirements. Contact the on-site operations supervisor authority for advice if any problems arise or if service personnel encounter potentially unsafe circumstances.

Please confirm that the NeoT-TBP you are using is the correct size for your casing size. There is a label on the PVC tube that the NeoT-TBP is shipped in that shows the size and serial number of the NeoT-TBP.

The NeoT-TBP comes shipped as a vented plug. If you would like to make your NeoT-TBP a non-vented plug, simply thread the 1/4" NPT Pipe Plug that is supplied with your NeoT-TBP into the thread found on the bottom of the plug on the bull nose.

The following recommendations will help to achieve a successful plug-back. Although some of these recommendations might not be feasible, it is important that the Project Engineer be aware of their importance.

- a. If the well has a column of fluid to the surface and a positive shut-in tubing pressure, monitor and record the SITP before opening the Tree Master Valve prior to every run in the well. Successful plug-back projects require stable pressure maintenance at the plug setting depth throughout the plug-back project.
- b. Wells with a gas cap are much less sensitive to pressure maintenance during plug-back operations. A positive shut-in tubing pressure with a gas cap is common and not a serious concern.

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c. Determine if one of the following deleterious elements is present at the plug setting depth:

- oil - natural gas - scale

- condensate - paraffin - salt deposits

Contact NeoProducts for consultation if any one of these damaging elements is present near the plug setting depth. Their presence can reduce or eliminate the bond between cement and casing. Oil and condensate will retard cement to the point where it takes weeks to set. When oil and/or condensate is present at the plug setting depth, dump 11 ppg NeoCasingCleaner to displace the hydrocarbon and remove the oil coating from the csg.

- d. If the well is on gas lift, bleed all pressure off the casing and tubing. If possible, pump brine into the well. Allow the well to stabilize for at least 24 hours prior to running the plug.
- e. Generally, it takes days for a wellbore to achieve pseudo-equilibrium. Fluid entering the wellbore and gas "percolating" into the wellbore can induce channels in a cement plug. Therefore, shut the well in and allow it to stabilize for at least 24 hours prior to running the plug. This will help to minimize the fluid and gas movement during plug-back operations.
- f. Run a stiff full length drift down to the plug setting depth. The drift should have the same runin diameter and length as the dump bailer tool string.

#### **RECOMMENDED PLUG-BACK OPERATIONS**

- 1. Inspect the wellhead upon arrival at the wellsite. Record the SITP. KEEP THE SITP PRESSURE STATIC UNTIL THE ENTIRE PLUG-BACK PROJECT IS COMPLETED. Pressure up the lubricator using brine or glycol/water to the SIP prior to opening the swab valve. Do this on every run.
- 2. Make a dummy gauge run. Include thermometers to measure the temperature at plug setting depth. Identify and record the top of fluid level. POOH.
- 3. Make up the NeoPT and NeoT-TBP with a CCL and make sure all connections are properly tightened per standard procedure.

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- 4. Whenever the well deviation at the plug setting depth is greater than 35° run one or two bow spring centralizers at the bottom of the NeoT-TBP Setting Sleeve.
- 5. Regardless of deviation always run one or two bow spring centralizers and a minimum of 150 pounds of weight bars above 7-5/8" and 9-5/8" NeoT-TBPs.

Note: If using a Bow Spring Centralizer, carefully thread the centralizer onto the NeoT-TBP as stated below.

Ensure that the NeoT-TBP will not rotate inside the setting sleeve, resulting in the shear screw shearing prematurely. Clamp onto the bull plug that protrudes out of the bottom of the setting sleeve to make sure the plug will not rotate inside of the setting sleeve. Clamping onto the bull plug will not exert any force onto the shear screw while attaching the Bow Spring Centralizer.

- 6. Run the NeoT-TBP in the hole. Once you are at depth, carefully tie in with casing collars. Locate the NeoT-TBP below the setting depth and slowly pull up, then;
  - a. Locate the bottom end of the NeoT-TBP at the depth that is one foot below the location where you want the cmt plug to begin,
  - b. Send power down the line and deploy the NeoT-TBP. The bottom end of the plug will extend one foot out the end of the Setting Sleeve. The top of the Metal-Pedal-Platform (the MPP) is now located at the point where you want the cmt plug to begin,
  - c. Slowly pull the toolstring up 20 ft and stop,
  - d. Slowly descend until the Setting Sleeve reaches the Bailer Stop Barrier, the wgt indicator and/or the collar indicator will show the secession of descent, (slack off 50-100 pounds onto the Bailer Stop Barrier) (If setting a Size #1, 7-5/8", or 9-5/8" NeoT-TBP, do not descend onto the NeoBailerStop at this step. Continue pulling up the toolstring to surface)
  - e. pick up to pick-up wgt, log off and determine/confirm the depth of the Bailer Stop Barrier, the bottom of the cmt plug will be 1'-2' below the Bailer Stop Barrier.
  - f. POOH.

**NOTE:** If a MPP T-TBP is run in the wellbore and not deployed for whatever reason, do not re-run this plug. Run a back-up plug and return the original plug to NeoProducts for disposal.

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#### Do not slack off weight again throughout the remainder of the project.

7. Make up the dump bailer system to dump bridging material. Strap the entire CCL/bailer assembly to be certain that you can accurately locate the bottom of the bailer approximately 5-10 feet above the top of the plug. GIH with enough bridging material to fill 1-2 feet of casing volume. (If dumping bridging material on a Size #1, 7-5/8", or 9-5/8" NeoT-TBP, refer to Appendix A) Locate the bailer 5-10 feet above the top of the plug and dump the bridging material. POOH.

# The Bailer Stop Barrier on 5 ½" and smaller NeoMPP T-TBPs is located 18" below the vent valve.

- 8. Make up the dump bailer to dump the cement slurry. Strap the entire CCL/bailer assembly.
  - a. Fill the bailer with NeoSuperSlurry, a 17 ppg expanding High Shear Bond cement slurry, and GIH,
  - b. Reduce the rate of descent to 15 fpm (9,000 fph) once the bottom of the bailer is within 10 feet of the Vent Valve,
  - c. Descend until the bailer is 1'-2' above the **Neo**BailerStop.
  - d. Dump the slurry,
  - e. Wait 1 minute, pick up 5 feet. Wait 1 minute, then
  - f. POOH.

WOC until the slurry is set (approximately 5 - 6 hrs) before dumping the second run of cement slurry.

REFER TO <u>APPENDIX A</u> FOR SPECIAL NOTES ON DUMPING CEMENT ATOP THE Size #1, 7-5/8", & 9-5/8" NeoT-TBP.

For 7-5/8" & 9-5/8" NeoT-TBPs, once this initial slurry is set, proceed to tagging the plug by slowly descending onto the bailer stop or cement slurry. Slack off 50 pounds to ensure that the plug is at the desired location.

- 9. Redress the dump bailer.
  - a. Fill the bailer with NeoSuperSlurry, and GIH.
  - b. Reduce the rate of descent to 15 fpm (9,000 fph) once the bottom of the bailer is with 10 feet of the Vent Valve.
  - c. Descend until the bailer bottom is 1 2 feet above the top of cmt,
  - d. Dump the slurry.
  - e. Wait 1 minute, then, pick up 5 feet. Wait a minute, then
  - f. POOH.

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- 10. For vented NeoT-TBPs, repeat bailer runs until the cmt is within 12 inches to 18 inches of the vent valve. For non-vented NeoT-TBPs, there is no need to worry about the vent port and you can continue dumping cement.
- 11. For vented NeoT-TBPs, the initial cmt plug is now in place. Wait at least 8 hours after the last dump bailer run before dumping the remaining recommended cement slurry.
- 12. Make up the dump bailer system needed to dump the remainder of the cement plug.
- 13. Fill the bailer with cmt. GIH, locate the bottom of the bailer 1 3 feet above the top of cmt. Dump the slurry. Dump as much NeoSuperSlurry as needed to achieve the desired plug length.
- 14. <u>Maintain static well conditions in the well. Wait at least 18-24 hours after the last bailer</u> run before producing the well or performing a pressure test.

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#### **Appendix A:**

#### Please read this entire page. It concerns all 7%" & 9%" Vented Thru-tubing Bridge Plugs

Whenever running a 75%" or 95%" Neo vented metal petal thru-tubing bridge plug (NeoT-TBP) it is essential that WL operators be aware of the following:

Whenever running a 7%" or 9%" Neo vented T-TBP at service temperatures below 235° F, the metal petal basket can be destroyed if two much cmt slurry weight is placed atop the basket. The following operations are recommended when service temperatures are below 275° F.

When plugging-back in 7%" or 9%" csg using a vented T-TBP and WL dump bailing operations, the first dumped batch of cmt slurry must protect the metal petal basket. It must develop strength and bond to the csg before a second cmt slurry batch can be placed atop the first cmt slurry batch. It is mandatory that the first cmt dump run must be set and capable of supporting the weight of subsequent cmt slurry dump runs.

- 1. The 1<sup>st</sup> dump run should be 1-2 gallons of ceramic bridging aggregate or 20/40 mesh sand. Dump the aggregate/sand from 5 10 ft above the top of the vented T-TBP.
- 2. Locate the bottom of the cmt slurry bailer 3 ft above the metal petal basket and dump 3-5 gallons of 17 ppg NeoSuperSlurry atop the aggregate/sand,
- 3. If you do not accelerate the strength development and bonding of your cmt slurry to csg you must wait on cement before GIH with a 2<sup>nd</sup> NeoSuperSlurry cmt dump run as follows:
  - a. WOC 5 hrs if the temp at the basket is above 275° F, or
  - b. WOC 6 hrs if the temp at the basket is between 251°-275° F, or
  - c. WOC 7 hrs if the temp at the basket is between 226°-250° F, or
  - d. WOC 8 hrs if the temp at the basket is between 215°-225° F, or
  - e. WOC 9 hrs if the temp at the basket is between 201°-214° F, or
  - f. WOC 10 hrs if the temp at the basket is between 176°-200° F, or
  - g. WOC 15 hrs if the temp at the basket is between 161°-175° F, or
  - h. WOC 20 hrs if the temp at the basket is between 70°-160° F.

NeoProducts recommends that WL companies always load out with multiple Neo Accelerator Modifier Packs (P/N 0101-225-017) whenever dumping cmt slurry at service temperatures below 225° F.

- 4. If you accelerate the strength development of your cmt slurry, Neo Accelerator Modifier Packs can reduce WOC times by ~2-6 hrs, for example:
  - vii. WOC 6 hrs if the temp at the basket is between 215°-225° F, or
  - viii. WOC 7 hrs if the temp at the basket is between 200°-214° F, or
  - ix. WOC 8 hrs if the temp at the basket is between 175°-199° F, or
  - x. WOC 10 hrs if the temp at the basket is between 161°-174° F, or
  - xi. WOC 12 hrs if the temp at the basket is between 150°-160° F, or
  - xii. WOC 15 hrs if the temp at the basket is between 70°-149° F.

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#### Please read this entire page. It concerns all Size #1 Vented Thru-tubing Bridge Plugs

Whenever running a Size #1 Neo vented metal petal thru-tubing bridge plug (NeoT-TBP for use in casing sizes ranging from 2-3/8" thru 4") it is essential that WL operators be aware of the following:

- 5. The 1<sup>st</sup> dump run should be 0.5-1 gallon of ceramic bridging aggregate or 20/40 mesh sand. Dump the aggregate/sand from 5 10 ft above the top of the vented T-TBP.
- 6. Locate the bottom of the cmt slurry bailer 1 ft above the top of the vented T-TBP and dump 1-2 ft of 17 ppg NeoSuperSlurry atop the aggregate/sand,
- 7. If you do not accelerate the strength development and bonding of your cmt slurry to csg you must wait on cement <u>before GIH with a 2<sup>nd</sup> NeoSuperSlurry cmt dump run</u> as follows:
  - a. WOC 5 hrs if the temp at the basket is above 275° F, or
  - b. WOC 6 hrs if the temp at the basket is between 251°-275° F, or
  - c. WOC 7 hrs if the temp at the basket is between 226°-250° F, or
  - d. WOC 8 hrs if the temp at the basket is between 215°-225° F, or
  - e. WOC 9 hrs if the temp at the basket is between 201°-214° F, or
  - f. WOC 10 hrs if the temp at the basket is between 176°-200° F, or
  - g. WOC 15 hrs if the temp at the basket is between 161°-175° F, or
  - h. WOC 20 hrs if the temp at the basket is between 70°-160° F.

NeoProducts recommends that WL companies always load out with multiple Neo Accelerator Modifier Packs whenever dumping cmt slurry at service temperatures below 225° F.

- 8. If you accelerate the strength development of your cmt slurry, Neo Accelerator Modifier Packs can reduce WOC times by ~2-6 hrs, for example:
  - xiii. WOC 6 hrs if the temp at the basket is between 215°-225° F, or
  - xiv. WOC 7 hrs if the temp at the basket is between 200°-214° F, or
  - xv. WOC 8 hrs if the temp at the basket is between 175°-199° F, or
  - xvi. WOC 10 hrs if the temp at the basket is between 161°-174° F, or
  - xvii. WOC 12 hrs if the temp at the basket is between 150°-160° F, or
  - xviii. WOC 15 hrs if the temp at the basket is between 70°-149° F.

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#### Top of Metal Petal Platform TOC Initial Cement Plug ${\sf NeoT-TBP}$ Dimensions (Vented & Non-Vented\*) (6 ft 1.5in.) (14 ft-8in) (14 ft-8in) Sleeve. In order to accurately place the Metal-Petal-Plarform you must position the bottom of the plug 1 ft below the depth where you want the bottom of your cmt plug. Fire the release tool and the top of the Metal-Petal-Platform will be at the desired depth. The top of \* Non-vented NeoT-TBPs have the same dimensions as the Vented NeoT-TBPs shown above, and they are available off the shelf 73 1/2" 176" The NeoT-TBP is placed in a spring loaded Setting Sleeve. When the plug is deployed it slides 12" - 18" out the bottom of the Setting \*\* NeoProducts makes custom length and custom casing diameter NeoT-TBPs (contact NeoProducts for more information) Recommended Initial Cmt Plug Plug Dimensions (10 ft-1.5in) 10 ft-1.5in) 121.5" 121.5" 21" Where to Position the NeoT-TBP to Accurately Place the Bottom of the Initial Cmt Plug N/A 19" 19" В NeoProducts Vented Thru-Tubing Bridge Plug 34 1/4" 30" 30" V 1 %" Run-In Diameter 1 %" Run-In Diameter 1 %" Run-In Diameter 0163-450-700-001-52 1 ¾" Run-In Diameter 0163-238-400-001-51 0175-450-700-001-52 0175-763-001 (NeoT-TBP) P/N he Metal-Petal-Platform establishes the bottom of the cmt plug. (this is a NeoWideRange T-TBP) (this is a NeoWideRange T-TBP) API Csg Wgt Range Sets in this all weights all weights all weights API Csg Size - 4" NeoT-TBP 4 1/2" - 7" 1 3/8" 2 3%"

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NeoProducts Vented Thru-Tubing Bridge Plug

(NeoT-TBP)

В

A

P/N

API Csg Wgt Range Sets in this

NeoT-TBP API Csg Size

Plug Dimensions

Initial Cmt Plug Recommended

# Set Down Range 95" -110" 180" (15 ft)

(1 ft-6 in)

55"

35.75"

2 1/8" Run-In Diameter

0213-963-001

all weights

..% 6

2" Run-In Diameter

0200-963-001

rou want the bottom of your cmt plug. Fire the release tool and the top of the Metal-Petal-Platform will be at the desired depth. The rhe NeoT-TBP is placed in a spring loaded Setting Sleeve. When the plug is deployed it slides 12" - 18" out the bottom of the Setting sleeve. In order to accurately place the Metal-Petal-Platform you must position the bottom of the plug 1 ft below the depth where op of the Metal-Petal-Platform establishes the bottom of the cmt plug.

Where to Position the NeoT-TBP to Accurately Place the Bottom of the Initial Cmt Plug

2 1/4" Run-In Diameter

0225-963-001

\* Non-vented NeoT-TBPs have the same dimensions as the Vented NeoT-TBPs shown above, and they are available off the shel

\*\* NeoProducts makes custom length and custom casing diameter NeoT-TBPs (contact NeoProducts for more information)

\*\*\* 9-5/8" NeoT-TBPs will have the Sliding Vent System (no Tortuous Path). The sliding vent is located ~ 1" above Dimension C.

\*\*\* There should only be approxximately 4.5-6 gallons of initial cement placed atop the basket. This cement must cure before adding any additional cement weight on the plug. See special 9-5/8" notes from NeoProducts.

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# Top of Metal Petal Platform Recommended TOC Initial Cement Plug Short NeoT-TBP Dimensions (Vented & Non-Vented\*) (6 ft 1.5in.) (8 ft 4.5in.) (8 ft 4.5in.) (10 ft 10in. order to accurately place the Metal-Petal-Platform you must position the bottom of the plug 1 ft below the depth where you want the bottom of 100 ½" 100 1/2" 73 1/2" 130" The NeoT-TBP is placed in a spring loaded Setting Sleeve. When the plug is deployed it slides 12" - 18" out the bottom of the Setting Sleeve. In Recommended Initial Cmt Plug Plug Dimensions (1 ft-6 in) \*\*\* 18"

42"

18"

31"

1 %" Run-In Diameter 0175-450-700-005-52

(this is a NeoWideRange T-TBP)

all weights

- 7"

4 1/2"

Ν

34 ¾"

0163-238-400-005-51

1 %" Run-In Diameter 0163-450-700-005-52

(this is a NeoWideRange T-TBP)

all weights

- 4"

2 3/8"

8

٧

P/N

API Csg Wgt Range Sets in this

API Csg Size

NeoT-TBP

NeoProducts Vented Thru-Tubing Bridge Plug

(NeoT-TBP)

42"

18"

31"

1 %" Run-In Diameter

all weights

7 %"

0175-763-005

1 ¾" Run-In Diameter 2" Run-In Diameter 0213-963-005

0200-963-005

1 ¾" Run-In Diameter

0163-763-005

...89

30"

2 %" Run-In Diameter

all weights

..%6

0225-963-005

ie release tool and the top of the Metal-Petal-Platform will be at the desired depth. The top of the Metal-Petal-Platform	he cmt plug.	Non-vented NeoT-TBPs have the same dimensions as the Vented NeoT-TBPs shown above
ire the release tool and the top of	bottom of the cmt plug.	* Non-vented NeoT-TB
your cmt plug. Fire the	establishes the b	

Where to Position the NeoT-TBP to Accurately Place the Bottom of the Initial Cmt Plug

2 ¼" Run-In Diameter

\*\* NeoProducts makes custom length and custom casing diameter NeoT-TBPs (contact NeoProducts for more information)

\*\*\* There should only be approxximately 4.5-6 gallons of initial cement placed atop the basket. This cement must cure before adding any additional cement weight on the plug. See special 9-5/8" notes from NeoProducts

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