

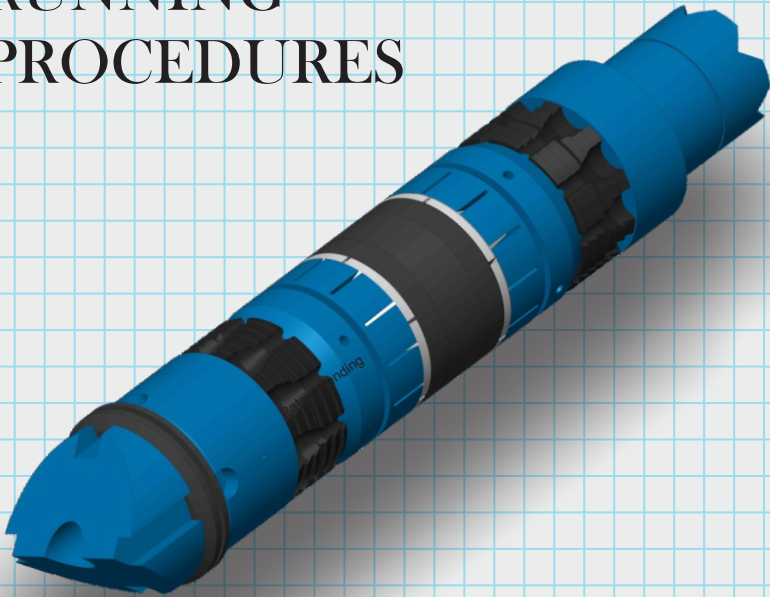
Mustang Series



Ball Drop - Bridge Plug

4-1/2" - 5-1/2" Sizes

RECOMMENDED RUNNING PROCEDURES



Consistently Evolving to Exceed Industry Standards
While Maintaining Quality Service and Equipment.



RECOMMENDED RUNNING PROCEDURE

The following procedure is a recommendation from JayCar, for the **Mustang Series** 4-1/2"-5-1/2" Ball Drop and Bridge Frac Plug. This procedure has been put into action and has been proven to be effective.

EQUALIZATION- Should be done through a one (1) inch line attached from the frac stack to the lubricator. To reach affective equalization, use a gradual increment in pressure.

RUNNING DOWNHOLE - As recommended, the running speed while in the vertical section should not exceed 225 ft per minute and no more than 185 ft per minute through the horizontal.

PUMPING FLUID - As a recommendation the fluid should be gradually introduced of increments of 2 bbl per minute (ex. 2,4,6,8,10,12...etc) while traveling along the vertical region. If used in the horizontal region, pumping should begin approximately 500 ft before the kick-off point (KOP).



INSTALLATION PROCEDURES USING G-TOOL

1. Inspect Frac Plug to ensure all set screws are tight, slips are not protruding anywhere, and the seal is not energized past 4.31" on the 5-1/2" and 3.51" on the 4-1/2".
2. Inspect the wireline setting tool by screwing the setting rod in to make sure it fits properly, making sure there is no play in the threads.
3. Screw rod into Frac Plug until rod is flush against the bottom of the brass nut.
4. Screw rod and frac plug into the wireline setting tool.
5. Back the jam nut on the wireline setting tool back (towards the guns) until it stops turning and use the Frac Plug setting sleeve to measure the appropriate distance necessary for rod placement.
6. Positioning one end of the Frac Plug setting sleeve flush against the load ring on the plug, begin backing the Frac Plug Rod, and plug, out until there is a minimum of two threads between the opposite end of the setting sleeve and the jam nut on the wireline setting tool. **NOTE:** As you are backing the rod out **BE SURE** it is always bottomed out in the plug.
7. At this point place the Frac Plug setting sleeve aside. Place a backup on the wireline setting tool and tighten the jam nut on the Frac Plug Rod. Make **ABSOLUTELY SURE** the jam nut is **TIGHT!** Then tighten the brass set screw on the jam nut.
8. Hold a wrench on the setting rod and back the Frac Plug off the rod, leaving the setting rod sticking out of the end of the wireline setting tool.
9. At this point slide the Frac Plug setting sleeve over the rod and screw it onto the wireline setting tool until it bottoms out against the jam nut.
10. Screw the Frac Plug onto the setting rod until it bottoms out in the brass nut.
11. Place a backup on the Frac Plug and hold in place as you back the setting sleeve up tight against the load ring on the plug.
12. Place a backup on the wireline setting tool and make the jam nut on the setting tool up against the Frac Plug setting sleeve. Tighten the set screw on the setting sleeve. Make **ABSOLUTELY SURE** the jam nut is **TIGHT!** **NOTE:** Once the Frac Plug is bottomed out on the setting rod, everything backs up tight against the frac plug load ring.

NOTE:** Once the plug is on, check everything again to make sure it is all made up and **Tight!** If you have **ANY** doubt, take it back off and put it back on again to make sure.



INSTALLATION PROCEDURES USING BAKER-20

1. Inspect Frac Plug to ensure all set screws are tight, slips are not protruding anywhere, and the seal is not energized past 4.31" on the 5-1/2" and 3.51" on the 4-1/2".
2. Screw Baker 20 adapter mandrel onto the wireline setting tool and tighten the set screw.
3. Screw the setting sleeve onto the wireline setting tool until it bottoms out.
4. Screw the rod into the Frac Plug until it bottoms out in the brass nut.
5. Screw the spring onto the other end of the rod just enough as to make the spring flush with the bottom of the setting rod.
6. Place the setting rod and Frac Plug into the setting sleeve until the two(2) prongs set into the slots on the Baker 20 adapter mandrel.
NOTE: You can see this through the holes in the setting sleeve.
7. Keeping sufficient force on the Frac Plug so the prongs on the spring stay in the slots, you begin tightening the Frac Plug and Rod into the adapter mandrel until load ring on the Frac Plug is tight against the bottom of the setting sleeve. Tighten the screw on the setting sleeve.
8. Use a pipe wrench to hold a backup on the wireline setting tool and make the Frac Plug up tight with another pipe wrench. Check the O.D. of the seal again to ensure it is not over energized.

NOTE:** Once the plug is on, check everything again to ensure it is made up and **TIGHT!** If you have **ANY** doubt, take it back off and put it back on again to make sure.

