

Davy Jones 1

Details of the Negative Test for Bridge Plugs

(Step 34 of the DJ1 Summary Completion Procedure)

7-February-2014

1. Monitor well for any signs of flow and/or pressure. Make up a retrievable service packer on 2 $\frac{7}{8}$ " workstring. Trip in hole (TIH) with workstring and service packer to near the top of the cement plug at 15,790 ft.
2. Set the service packer at 15,600 ft.
3. Pressure up the workstring to 1,000 psi and monitor for 15 mins for pressure in the workstring-casing annulus.
4. Pick up (PU) workstring and open the ports above the service packer.
5. Pump 8.3 bbls of water down the 2 $\frac{7}{8}$ " workstring for 1,000 psi differential pressure; differential pressure assumes 18.3 ppg LTMO mud weight and 8.33 ppg water ($1925 \text{ ft} = 1,000 \text{ psi} / (0.052 * (18.3 - 8.33))$). The capacity of the 2 $\frac{7}{8}$ " workstring is 0.0043 bbl/ft.
6. Slack off to close the port above the service packer. Bleed off the surface pressure on the workstring. Monitor for flow for 1 hour. There will be thermal expansion of the water. Flow from thermal expansion will decrease with time. After a satisfactory negative test, pressure up to 1,000 psi on the workstring.
7. PU and open the ports above the service packer.
8. Reverse out water from workstring with 18.3 ppg LTMO mud.
9. Release the service packer.
10. POOH with the service packer and 2 $\frac{7}{8}$ " workstring.
11. Monitor well for any signs of flow and/or pressure.