



PLUGBUSTER

The Ultimate Completion Bit
Made in Pennsylvania

BIT RUN REPORT

4-5/8" PLUGBUSTER

LOCATION: Western Pennsylvania

DATE: February 5 - 6, 2011

MUD MOTOR APPLICATION: TTS TITAN MOTOR

Feb 5, 2011, 06:00 AM to Feb 6, 2011 06:00 AM

Circulate and rotate down to **Plug #1 of 38**. Tagged 1st plug @ **11:05hrs**. No sand bridges through perf's. Tag 1st plug @ **8349' MD** (Jt 267). **Drill through plug #1 in 12 minutes**. Pump pressure @ 2800 psi at 3 BPM w/ 3.5 BPM return. Return pressure @ 1600psi, string weight up 54,000lbs w/ 3,000 on plug while drilling. Slack off weight 45,000 lbs. Pumped 10bbl gel sweep & Circulate for another 15mins after drill out. Light sand in returns.

Circulate and rotate down to **Plug #2 of 38**. Light sand bridges through perf's. **Drill through plug #2 in 24 minutes**. Pump pressure @ 2800 psi at 3.0 BPM w/ 3.5 BPM return. Return pressure @ 1500psi, string weight up 55,000lbs w/ 3,000 on plug while drilling. Slack off weight 45,000 lbs. Pumped 10bbl gel sweep & Circulate for another 15mins after drill out. Light sand in returns.

Circulate and rotate down to **Plug #3 of 38**. Light sand bridges through perf's. **Drill through plug #3 in 29 minutes**. Pump pressure @ 2600 psi at 3.0 BPM w/ 3.5 BPM return. Return pressure @ 1400psi, string weight up 56,000lbs w/ 3,000 on plug while drilling. Slack off weight 44,000 lbs. Pumped 10bbl gel sweep & Circulate for another 15mins after drill out. Light sand in returns.

Circulate and rotate down to **Plug #4 of 38**. No sand bridges through perf's. **Drill through plug #4 in 21 minutes**. Pump pressure @ 2600 psi at 3.0 BPM w/ 3.5 BPM return. Return pressure @ 1500psi, string weight up 56,000lbs w/ 3,000 on plug while drilling. Slack off weight 44,000 lbs. Pumped 10bbl gel sweep & Circulate for another 15mins after drill out. Light sand and tiny plug parts in returns.

Circulate and rotate down to **Plug #5 of 38**. Light sand bridges through perf's. **Drill through plug #5 in 14 minutes**. Pump pressure @ 2600 psi at 3.0 BPM w/ 3.5 BPM return. Return pressure @ 1500psi, string weight up 62,000lbs w/ 3,000 on plug while drilling. Slack off weight 46,000 lbs. Pumped 10bbl gel sweep & Circulate for another 15mins after drill out. Light sand & small plug parts in returns.

Circulate and rotate down to **Plug #6 of 38**. Light sand bridges through perf's. **Drill through plug #6 in 9 minutes**. Pump pressure @ 2600 psi at 3.0 BPM w/ 3.5 BPM return. Return pressure @ 1550psi, string weight up 56,000lbs w/ 3,000 on plug while drilling. Slack off weight 44,000 lbs. Pumped 10bbl gel sweep & Circulate for another 15mins after drill out. Light sand in returns.

Circulate and rotate down to **Plug #7 of 38**. Light sand bridges through perf's. **Drill through plug #7 in 12 minutes**. Pump pressure @ 2600 psi at 3.0 BPM w/ 3.5 BPM return. Return pressure @ 1300psi, string weight up 56,000lbs w/ 3,000 on plug while drilling. Slack off weight 44,000 lbs. Pumped 10bbl gel sweep & Circulate for another 15mins after drill out. Light sand & small plug parts in returns.

Circulate and rotate down to **Plug #8 of 38**. Light sand bridges through perf's. **Drill through plug #8 in 20 minutes**. Pump pressure @ 2600 psi at 3.0 BPM w/ 3.5 BPM return. Return pressure @ 1450psi, string weight up 56,000lbs w/ 3,000 on plug while drilling. Slack off weight 44,000 lbs. Pumped 10bbl gel sweep & Circulate for another 15mins after drill out. Light sand in returns.

Circulate and rotate down to **Plug #9 of 38**. Light sand bridges through perf's. **Drill through plug #9 in 24 minutes**. Pump pressure @ 2900 psi at 3.0BPM w/ 3.5 BPM return. Return pressure @ 1500psi, string weight up 56,000lbs w/ 3,000 on plug while drilling. Slack off weight 40,000 lbs. Pumped 10bbl gel sweep & Circulate for another 15mins after drill out. Light sand in returns. Circulate BU sweep with 10bbl gel sweep while having safety meeting & shift change.

Circulate and rotate down to **Plug #10 of 38**. Light sand bridge through perfs. **Drill through plug #10 in 13 minutes**. Pump pressure @2800 psi at 3.0BPM w/ 3.5 BPM return. Return pressure @ 1600psi, string weight up 56,000 w/ 3,000 on plug while drilling. Slack off weight 41,000 lbs. Pumped 10bbl gel sweep & circulate for another 15 min after drillout. Light sand in returns.

Circulate and rotate down to **Plug #11 of 38**. Light sand bridges through perfs. **Drill through plug #11 in 10 minutes**. Pump pressure @ 2900 psi at 3.0BPM w/ 3.5BPM return. Return pressure @ 1650psi, string weight up to 55,000 w/ 3,000 on plug while drilling. Slack off weight 41,000. Pumped 10 bbl gel sweep & circulate for another 15 mins after drilling out. Light amount of sand in returns.

Circulate down and rotate to **Plug # 12 of 38**. Light sand bridges through perfs. **Drill through plug #12 in 11 minutes**. Pump pressure @ 2900psi at 3.0BPM w/ 3.4BPM return. Return pressure @ 1650psi, string weight up to 59,000 w/ 3000 on plug while drilling. Slack off weight 39,000. Pumped 10bbl gel sweep & circulate for another 15 mins after drilling out. Light amount of sand returns.

Circulate down and rotate to **Plug #13 of 38**. Light sand bridge through perfs. **Drilled through plug #13 in 19 minutes**. Pump pressure @ 3000psi at 3.0BPM w/ 3.5BPM return. Return pressure @ 1650psi, string weight up to 60,000 w/ 3000 on plug while drilling. Slack off weight 39,000. Pumped 10bbl gel sweep & circulate for another 15 mins after drilling out. Light amount of sand returns.

Circulate down and rotate to **Plug #14 of 38**. Light sand bridge through perfs. **Drilled through plug #14 in 16 minutes**. Pump pressure @ 3000psi at 3.0BPM w/ 3.5BPM return. Return pressure @ 1550psi, string weight up to 60,000 w/ 3000 on plug while drilling. Slack off weight 39,000. Circulate bottoms up with a 10bbl gel sweep after changing out a swab in pump #1.

Circulate down and rotate to **Plug #15 of 38**. **Drilled through plug #15 in 13 minutes**. Pump pressure @ 2800psi @ 3.0BPM w/ 3.5BPM return. Return pressure @ 1550psi, string weight @ 60,000 w/ 3000 on plug while drilling. Slack off weight 43,000. Pumped 10bbl gel sweep & circulate for 15 min after drilling out. Light amount of sand returns.

Circulate down and rotate to **Plug #16 of 38**. Light sand through perfs. **Drilled through plug #16 in 15 minutes**. Pump pressure at 3000psi at 3.0BPM w/ 3.3BPM return. Return pressure @ 1700, string weight @ 60,000 w/ 3000 on plug while drilling. Slack off weight 41,000. Pumped 10bbl gel sweep & circulate for 15 min after drilling out. Light amount of sand in returns.

Circulate down and rotate to **Plug #17 of 38**. **Drilled through plug #17 in 15 minutes**. Pump pressure at 3000psi @ 3.0BPM w/ 3.2BPM return. Return pressure @ 1650psi, string weight @ 60,000 w/ 3000 on the plug while drilling. Slack off weight is 42,000. Pumped 10bbl gel sweep and circulate for 15 minutes after drilling out. Light amount of sand in returns.

Circulate down and rotate to **Plug #18 of 38**. Light sand through perfs. **Drilled through plug #18 in 10 minutes**. Pump pressure at 3100psi at 3.0BPM w/ 3.3BPM return. Return pressure @ 1700, string weight @ 59,000 w/ 3000 on plug while drilling. Slack off weight 42,000. Pumped 10bbl gel sweep & circulate for 15 minutes after drilling out. Light amount of sand in returns.

Circulate down and rotate to **Plug #19 of 38**. Light sand through perfs. **Drilled through plug #19 in 14 minutes**. Pump pressure at 3000psi @ 3.0BPM w/ 3.5BPM return. Return pressure @ 1650, string weight @ 59,000 w/ 3000 on plug while drilling. Slack off weight 38,000. Pumped 10bbl gel sweep & circulate for 15 min after drilling out. Light amount of sand in returns.

Circulate and rotate down to **Plug #20 of 38**. Light sand through perfs. **Drilled through plug #20 in 11 minutes**. Pump pressure at 3200psi @ 3.0BPM w/ 3.4BPM return. Return pressure @ 1650, string weight @ 59,000 w/ 3000 on plug while drilling. Slack off weight is 39,000. Pumped 10bbl gel sweep & circulated for 15 min after drilling out. Light amounts of sand in returns.

Circulate and rotate down to **Plug #21 of 38**. Light sand through perms. T **Drilled through plug #21 in 9 minutes**. Pump pressure at 3200psi @ 3.0BPM w/ 3.4BPM return. Return pressure @ 1700, string weight @ 61,000 w/ 3000 on plug while drilling. Slack off weight is 39,000. Pumped 10bbl gel sweep & circulated for 15 minutes after drillout. Light sand amount in returns.

Feb 6, 2011 06:00 AM to Feb 7, 2011 06:00 AM

Hold safety meeting with day crew. Circulate BU sweep with 10bbls gel while having safety meeting. Double count pipe and confirm depth in hole at shift change.

Circulate and rotate down to **Plug #22 of 38**. Light sand through perms. **Drilled through plug #22 in 10 minutes**. Pump pressure at 3200psi @ 3.0BPM w/ 3.4BPM return. Return pressure @ 1600, string weight @ 62000 w/ 3000 on plug while drilling. Slack off weight is 38000. Pumped 10bbl gel sweep & circulated for 15 minutes after drillout. Light sand & small fiber plug parts in returns..

Circulate and rotate down to **Plug #23 of 38**. Light sand through perms. **Drilled through plug #23 in 28 minutes**. Pump pressure at 3000psi @ 2.8BPM w/ 3.4BPM return. Return pressure @ 1750, string weight @ 61000 w/ 3000 on plug while drilling. Slack off weight is 38000. Pumped 10bbl gel sweep & circulated for 20 minutes after drillout. Light sand & small fiber plug parts in returns..

Circulate and rotate down to **Plug #24 of 38**. Light sand through perms. **Drilled through plug #24 in 25 minutes**. Pump pressure at 3000psi @ 2.8BPM w/ 3.4BPM return. Return pressure @ 1750, string weight @ 66000 w/ 3000 on plug while drilling. Slack off weight is 44000. Pumped 10bbl gel sweep & circulated for 20 minutes after drillout. Light sand & small fiber plug parts in returns..

Circulate and rotate down to **Plug #25 of 38**. Light sand through perms. **Drilled through plug #25 in 37 minutes**. Pump pressure at 2800psi @ 2.6BPM w/ 3.4BPM return. Return pressure @ 1700, string weight @ 66,000 w/ 3000 on plug while drilling. Slack off weight is 28,000. Pumped 10bbl gel sweep & circulated for 20 minutes after drillout. Light sand & small fiber plug parts in returns.

Circulate and rotate down to **Plug #26 of 38**. Light sand through perms. **Drilled through plug #26 in 42 minutes**. Pump pressure at 2800psi @ 2.6BPM w/ 3.4BPM return. Return pressure @ 1750, string weight @ 66,000 w/ 3000 on plug while drilling. Slack off weight is 28,000. Pumped 10bbl gel sweep & circulated for 20 minutes after drillout. Light sand & small fiber plug parts in returns..

Circulate and rotate down to **Plug #27 of 38**. Light sand through perms. **Drilled through plug #27 in 34 minutes**. Pump pressure at 2800psi @ 2.6BPM w/ 3.4BPM return. Return pressure @ 1650, string weight @ 67,000 w/ 3000 on plug while drilling. Slack off weight is 28,000. Pumped 10bbl gel sweep & circulated for 25 minutes after drillout. Light sand & small plug parts in returns..

Circulate and rotate down to **Plug #28 of 38**. Light to med.sand through perfs. **Drilled through plug #28 in 15 minutes**. Pump pressure at 2800psi @ 3.0BPM w/ 3.4BPM return. Return pressure @ 1650, string weight @ 67,000 w/ 3000 on plug while drilling. Slack off weight is 28,000. Pumped 10bbl gel sweep & circulated for 25 minutes after drillout. Light sand in returns. Increased pump rate again to 3BPM and drill out times cut in ½.

Circulate and rotate down to **Plug #29 of 38**. Light sand through perfs. **Drilled through plug #29 in 19 minutes**. Pump pressure at 2800psi @ 3.0BPM w/ 3.4BPM return. Return pressure @ 1650, string weight @ 67,000 w/ 3000 on plug while drilling. Slack off weight is 28,000. Pumped 10bbl gel sweep & circulated for 20 minutes after drillout. Light sand & small fiber plug parts in returns..

Circulate and rotate down to **Plug #30 of 38**. Light sand through perfs. **Drilled through plug #30 in 25 minutes**. Pump pressure at 3000psi @ 3.0BPM w/ 3.4BPM return. Return pressure @ 1650, string weight @ 67,000 w/ 3000 on plug while drilling. Slack off weight is 28,000. Pumped 10bbl gel sweep & circulated for 20 minutes after drillout. Light sand & small fiber plug parts in returns..

Circulate and rotate down to **Plug #31 of 38**. Light sand through perfs. **Drilled through plug #31 in 27 minutes**. Pump pressure at 2800psi @ 3.0BPM w/ 3.3BPM return. Return pressure @ 1700, string weight @ 64,000 000 w/ 3000 on plug while drilling. Slack off weight is 33,000. Pumped 10bbl gel sweep & circulated for 15 minutes after drillout. Light sand & small fiber plug parts in returns.

Circulate and rotate down to **Plug #32 of 38**. Light sand through perfs. **Drilled through plug #32 in 18 minutes**. Pump pressure at 3200psi @ 3.0BPM W/3.3BPM RETURN. Return pressure @ 1700, string weight @ 65,000 w/3000 on plug while drilling. Slack off weight is 33,000. Pumped 10bbl gel sweep & circulated for 20 minutes after drillout. Light sand & small fiber plug parts in returns ..

Circulate and rotate down to **Plug #33 of 38**. Light sand through perfs. **Drilled through plug #33 in 11 minutes**. Pump pressure at 3300psi @ 3.0BPM W/3.3BPM RETURN. Return pressure @ 1700, string weight @ 63,000 w/ 3000 on plug while drilling. Slack off weight is 36,000. Pumped 10bbl gel sweep and circulated for 20 minutes after drillout. Light sand & small fiber plug parts in returns ...

Circulate and rotate down to **Plug #34 of 38**. Light sand through perfs. **Drilled through plug #34 in 16 minutes**. Pump pressure at 3200psi @ 3.0BPM W/3.3BPM return. Return pressure @ 1700, string weight @ 64,000 w/ 3000 on plug while drilling. Slack off weight is 31,000. Pumped 10bbl gel sweep & circulated for 20 minutes after drillout. Light sand & small fiber plug parts in returns ...

Circulate and rotate down to **Plug #35 of 38**. Light sand through perfs. **Drilled through plug #35 in 26 minutes**. Pump pressure at 3200psi @ 3.0BPM w/3.3BPM return. Return pressure at 1700, string weight @ 64,000 w/3000 on plug while drilling. Slack off weight is 36,000. Pumped 10bbl gel sweep & circulated for 20 minutes after drillout. Light sand & small fiber parts in returns

Circulate and rotate down to **Plug #36 of 38**. Light sand through perms. **Drilled through plug #36 in 20 minutes**. Pump pressure at 3300psi @ 3.0BPM W/3.3BPM return. Return pressure @ 1850, string weight @ 65,000 w/3000 on plug while drilling. Slack off weight is 32,000. Pumped 10bbl gel sweep & circulated for (20) minutes after drillout. Light sand & small fiber plug parts in returns.

Circulate and rotate down to **Plug #37 of 38**. Light sand through perms. **Drilled through plug #37 in 18 minutes**. Pump pressure at 3200psi @ 3.0BPM w/ 3.4BPM return. Return pressure @ 1700, string weight @66,000 w/ 3000 on plug while drilling. Slack off weight is 30,000. Pumped 10bbl gel sweep & circulated for 20 minutes after drillout. Light to medium sand & small fiber plug parts in returns..

Circulate and rotate down to **Plug #38 of 38**. Light sand through perms. **Tag 38th plug @ 13905. Drilled through plug #38 in 16 minutes**. Pump pressure at 3200psi @ 3.0BPM w/ 3.4BPM return. Return pressure @ 1700, string weight @66,000 w/ 3000 on plug while drilling. Slack off weight is 31,000. Wash down above PBTB @ 13998' w/ 20 bbl gel sweep for 20 minutes. Start performing 2 bottoms up w/ 248 bbl of fresh water each. Clean returns following circulating bottoms up. Rig down swivel and prepare to POOH.

Total Drilling Time: 12.0 Hours

Average Time Per Plug: 19 Minutes

Torquato.com

