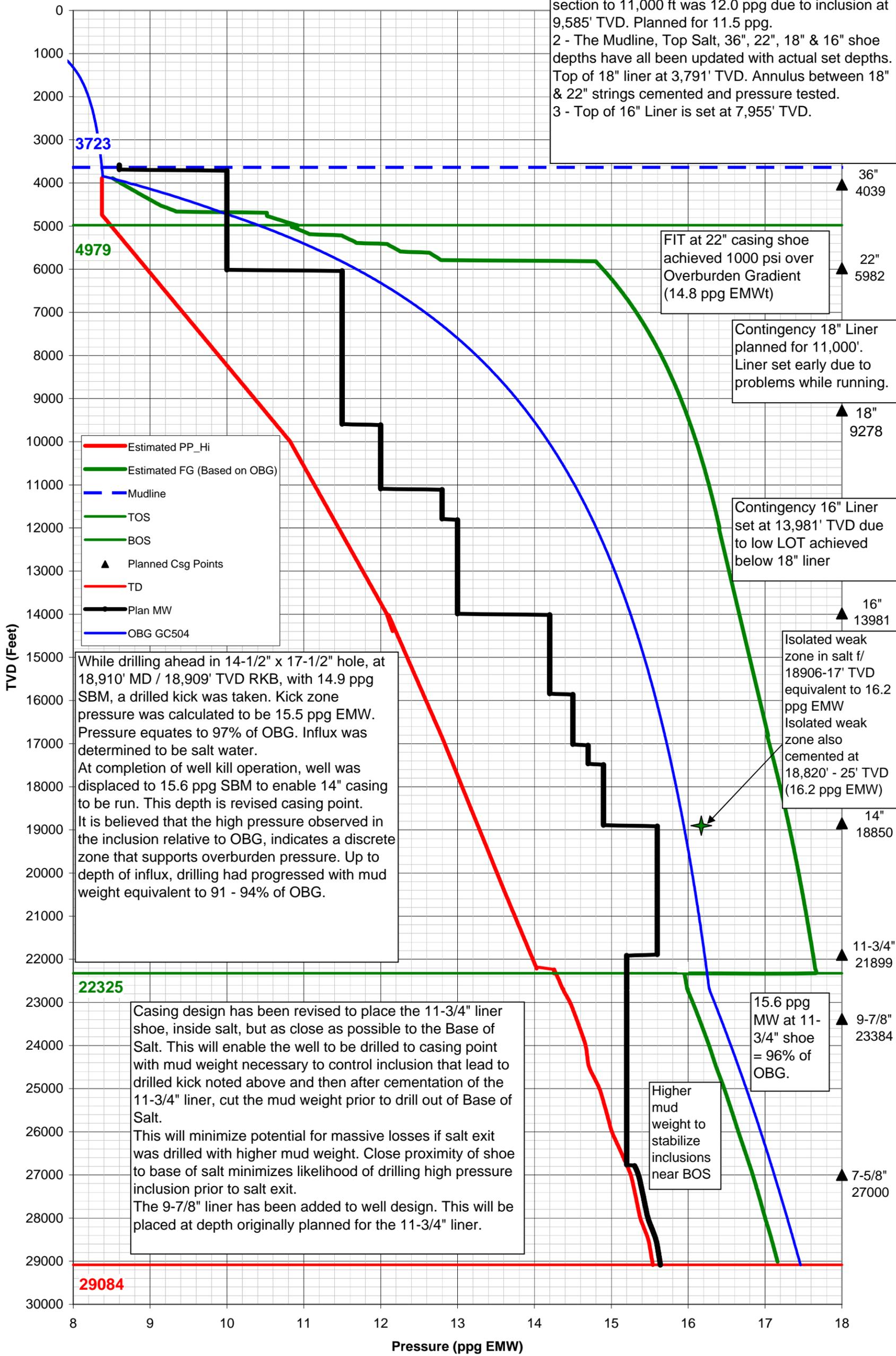


**Kakuna GC 504 ST00 BP01
Predicted PP Profile**

Comments:
 1 - Curve below updated to reflect the addition of 18" shoe as a result of drilling losses to formation +/-220 ft below the 22" shoe. The required MWt to drill 18" section to 11,000 ft was 12.0 ppg due to inclusion at 9,585' TVD. Planned for 11.5 ppg.
 2 - The Mudline, Top Salt, 36", 22", 18" & 16" shoe depths have all been updated with actual set depths. Top of 18" liner at 3,791' TVD. Annulus between 18" & 22" strings cemented and pressure tested.
 3 - Top of 16" Liner is set at 7,955' TVD.



- Estimated PP_Hi
- Estimated FG (Based on OBG)
- Mudline
- TOS
- BOS
- ▲ Planned Csg Points
- TD
- Plan MW
- OBG GC504

While drilling ahead in 14-1/2" x 17-1/2" hole, at 18,910' MD / 18,909' TVD RKB, with 14.9 ppg SBM, a drilled kick was taken. Kick zone pressure was calculated to be 15.5 ppg EMW. Pressure equates to 97% of OBG. Influx was determined to be salt water. At completion of well kill operation, well was displaced to 15.6 ppg SBM to enable 14" casing to be run. This depth is revised casing point. It is believed that the high pressure observed in the inclusion relative to OBG, indicates a discrete zone that supports overburden pressure. Up to depth of influx, drilling had progressed with mud weight equivalent to 91 - 94% of OBG.

Casing design has been revised to place the 11-3/4" liner shoe, inside salt, but as close as possible to the Base of Salt. This will enable the well to be drilled to casing point with mud weight necessary to control inclusion that lead to drilled kick noted above and then after cementation of the 11-3/4" liner, cut the mud weight prior to drill out of Base of Salt. This will minimize potential for massive losses if salt exit was drilled with higher mud weight. Close proximity of shoe to base of salt minimizes likelihood of drilling high pressure inclusion prior to salt exit. The 9-7/8" liner has been added to well design. This will be placed at depth originally planned for the 11-3/4" liner.

FIT at 22" casing shoe achieved 1000 psi over Overburden Gradient (14.8 ppg EMWt)

Contingency 18" Liner planned for 11,000'. Liner set early due to problems while running.

Contingency 16" Liner set at 13,981' TVD due to low LOT achieved below 18" liner

Isolated weak zone in salt f/ 18906-17' TVD equivalent to 16.2 ppg EMW. Isolated weak zone also cemented at 18,820' - 25' TVD (16.2 ppg EMW)

15.6 ppg MW at 11-3/4" shoe = 96% of OBG.

Higher mud weight to stabilize inclusions near BOS

29084

3723

4979

22325