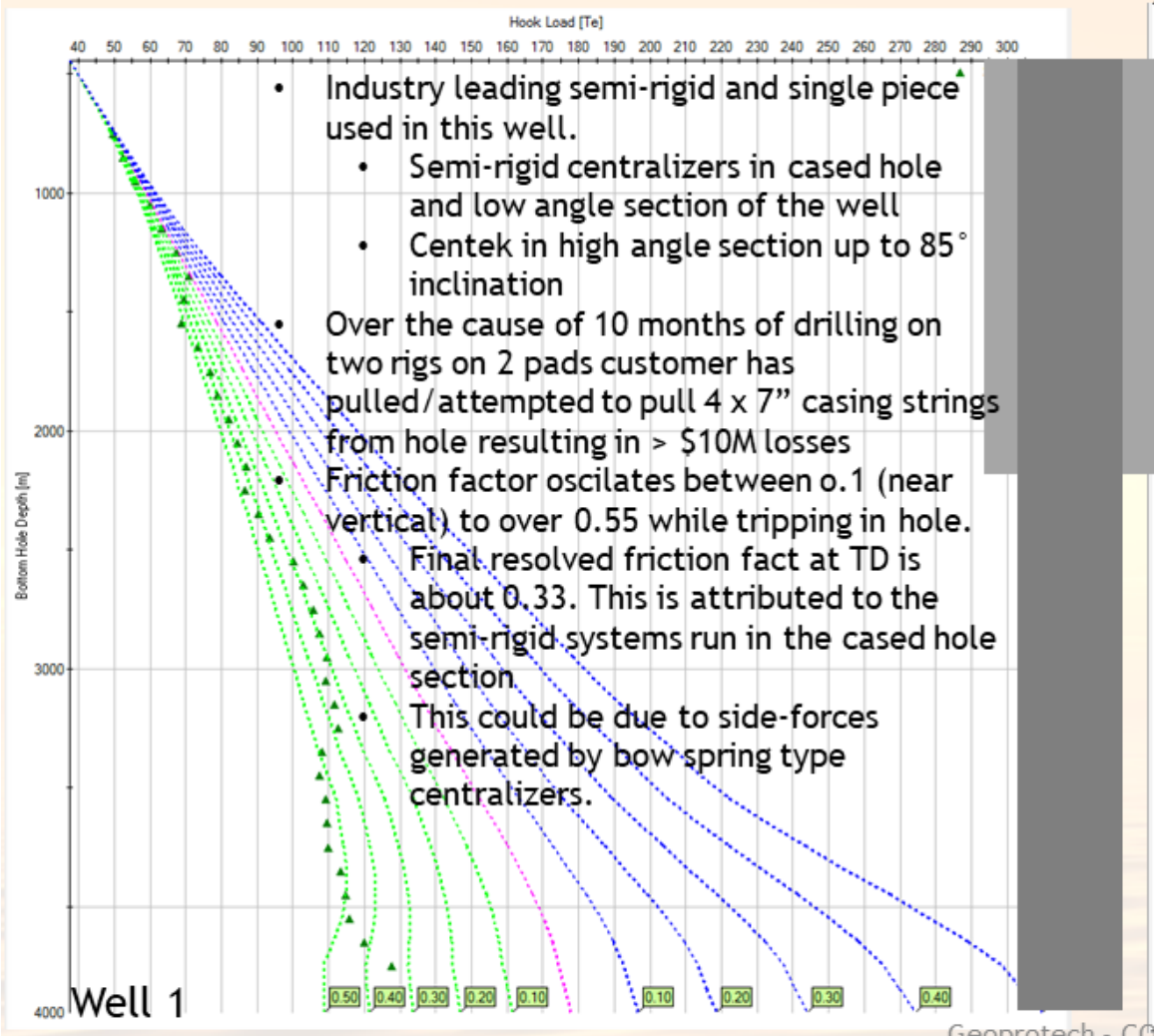
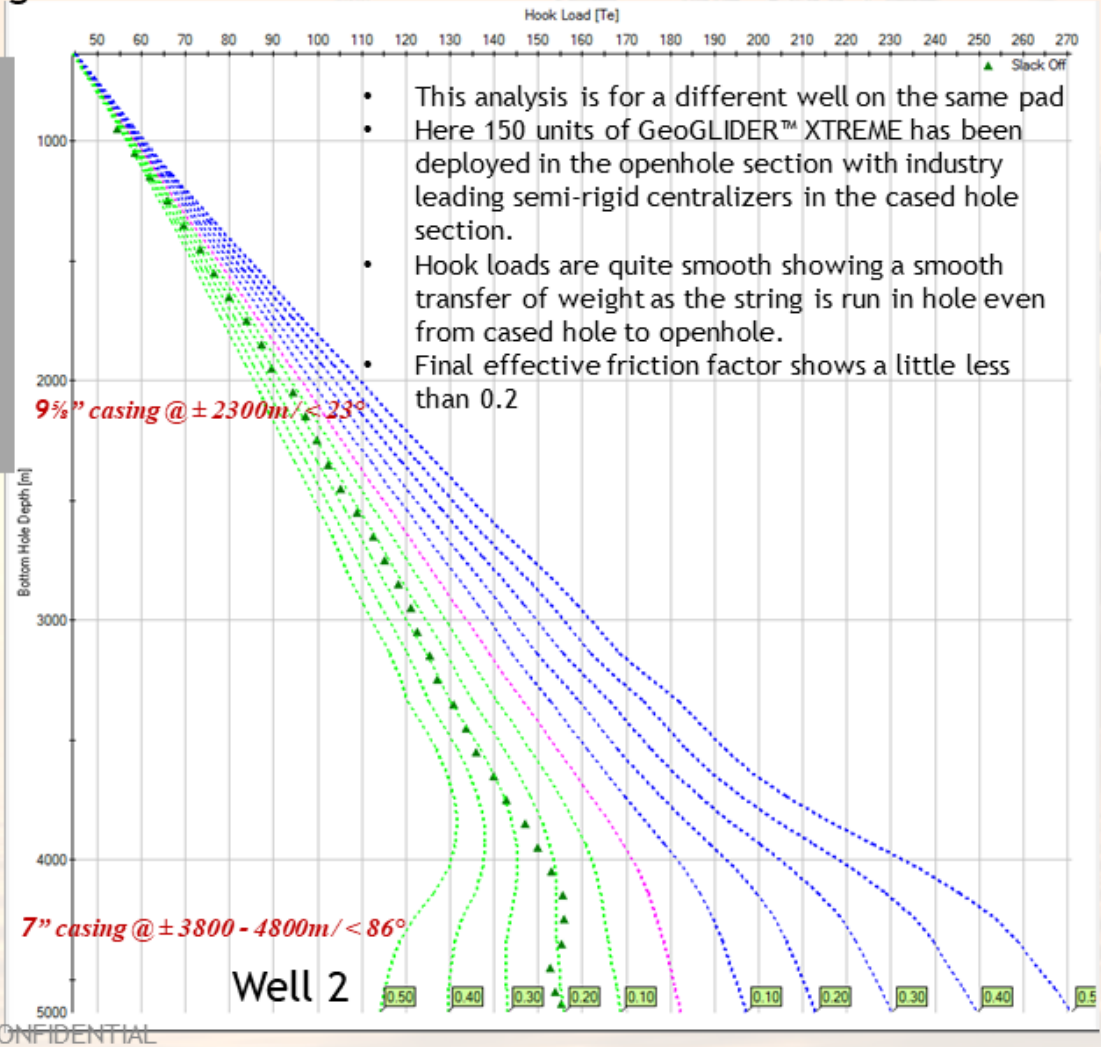
GeoGLIDER™ XTREME Application & Comparison

Well Design



- Industry leading semi-rigid and single piece used in this well.
  - Semi-rigid centralizers in cased hole and low angle section of the well
  - Centek in high angle section up to 85° inclination
- Over the cause of 10 months of drilling on two rigs on 2 pads customer has pulled/attempted to pull 4 x 7" casing strings from hole resulting in > $10M losses
- Friction factor oscilates between o.1 (near vertical) to over 0.55 while tripping in hole.
  - Final resolved friction fact at TD is about 0.33. This is attributed to the semi-rigid systems run in the cased hole section
  - This could be due to side-forces generated by bow spring type centralizers.



- This analysis is for a different well on the same pad
- Here 150 units of GeoGLIDER™ XTREME has been deployed in the openhole section with industry leading semi-rigid centralizers in the cased hole section.
- Hook loads are quite smooth showing a smooth transfer of weight as the string is run in hole even from cased hole to openhole.
- Final effective friction factor shows a little less than 0.2

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