Front End Planning

Front end planning, broadly speaking. Have you considered these points when planning?

- Have you planned your field architecture to have points where you can easily and effectively take samples if and when your production rates decline
- *specifically where are your sampling points*
- Is your well constructed in such a way where you can technically and physically intervene should you need to do so at a later point in the life cycle
- *will you need to remove tightly restricted hardware such a nipples to be able to run plugs, straddles, etc to perform water shut-off*
- Have you considered how you will intervene if required and what that entails; what are your options *can you perform operations without a rig or riser and is there technology available, and what is it, to allow reach in these ERD wells*
- If #subsea, which XMT do you choose, Vertical XMT or Horizontal XMT
- *have you factored in number of runs entailed (= time/money) each time work has to be done, in both scenarios*
- Have you planned for the <u>#decommissioning</u> cycle upfront taking into consideration how that can effectively be done
- *can operations be done in such a way to minimize exposure, safety, efficiency, cost*