

Well, Reservoir and Facility Management (WRFM) Realize the Limit (RTL) Cycle-I

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Abstract

SEK- GBS1 initiated a Relies the Limit (RtL) approach as part of Well, Reservoir and facility management unit (WRFM) to improve reservoir management and to mitigate the decline in Burgan production. In principle, the plan was to conduct Deepdive technical programs, focused on changing the mindset rather than being a review. The process of carrying out the RtL programme is summarised below in which each WRFM component will be addressed by the stakeholders to build a comprehensive development and action plans. In order to capture main bottlenecks and gaps in the existing WRFM practices, the RtL was designed as per the following key elements/stages: Kick-Off Meeting to align stakeholders Framing Sessions to highlight main areas of concern in SEK for Reservoir, Wells and Facilities Deep Dive Sessions to address these issues and develop solutions Closing Session to bring everything together, set priorities and agree way forward. A Wrap-Up session planned at the end of each stage to cover the following main objectives: Share current status of RTL register and main concerns Agree on the main gaps and bottlenecks for the Deep Dive sessions For the Framing sessions RtL Registers were reviewed, the key messages were: There is a need to focus SEK activities that provide 'Possible Solutions and Mitigations' for all line items. SEK also needs to organise a timeline for all items to make a delivery programme of all the initiatives, split into short, medium and long term. For each subject, more clarity is required to highlight why these issues are a concern. More than 20 integrated workshops conducted with the stakeholders and consultants from Sept -Nov 2020 as per the table below. From the completed workshops 160 Gaps were identified, subdivided as per the Pie chart into Reservoir, Wells, facilities and data management. Out of 160 gaps 64% were classified as high impact and need mitigation plans. Followed by 30% as mid.The preliminary gaps were captured in the RtL register for Deepdive assessment on each. In the Deep Dive Sessions, additional focus was put on: Flag root causes for the identified concerns, issues or opportunities Assess possible solutions and timing Prepare action plan for each solution Assign accountable action party and support teams Identify what if any management support is required Agree on the impact and likelihood This resulted in detailed action plans for possible solutions for the major initiatives that were required to resolve the concerns, issues or opportunities.