# DrillPlan automation features enhance well planning at PRI Operating

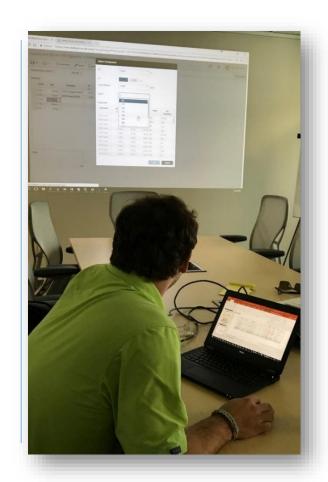
Mitchell Sims Operations Geologist PRI Operating



**September 13–15** Le Palais des Congrès de Paris

## Agenda

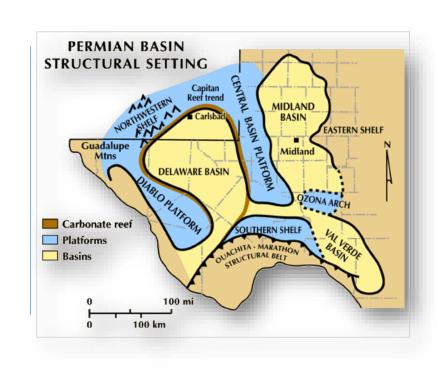
- PRI Operating profile
- Current well planning flow & challenges
- Our DrillPlan experience
- Conclusions





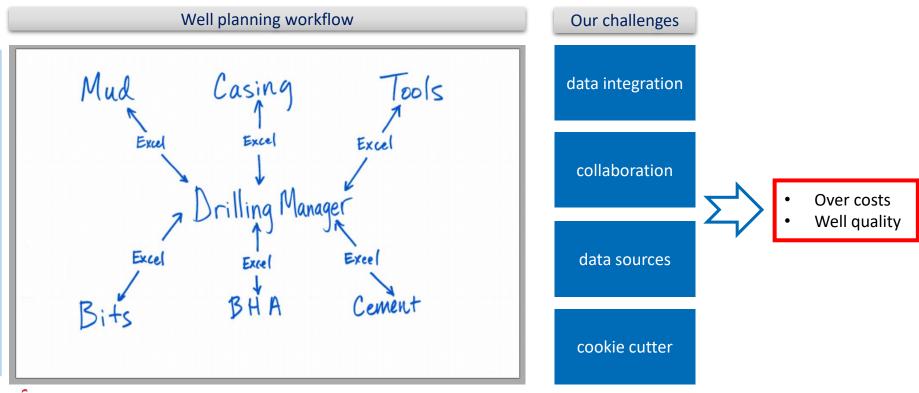
### Company Profile

- Privately held E&P company based in Midland, Texas
- Operating approximately 35,000 acres
- Currently running a two-rig program
- One dedicated frac crew
- Current production 12,500 BOE/day
- Drilling horizontal wells in the Bone Spring and Wolfcamp formations in the Delaware Basin





### Current Well Planning: Flow & Challenges





#### Cloud-Based Ease-of-Access

- Ready to be used No installation or set up time is required
- No additional hardware investment is necessary to start planning in DrillPlan
- Rapid personalized templates created for our specific well planning needs:
  - Well planning workflow
  - Drilling program
  - Well schematics, BHAs, etc.

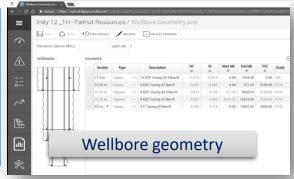


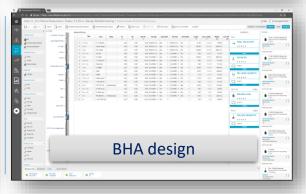


### Very Easy to Utilize



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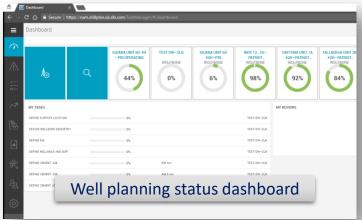


- One-day training was sufficient to learn how to run DrillPlan
  - First well was planned in 4 days, subsequent wells (6) were planned in 1 day each
- Well planning workflows powered by intuitive processes with well defined dependencies and easy data ingestion (risks, BHA, etc.)
- With DrillPlan a complex process, like time estimation, is easily expedited by integrating offset well data

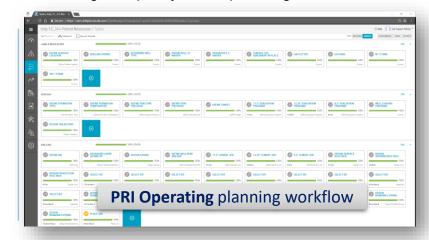


### Simple, Yet Clean Well Planning Process

- Quick well planning status view that improves communication and resources utilization
- Rapid access to any assigned tasks (for doers, and reviewers)
- Activity log is very useful to trace decisions and establish accountability

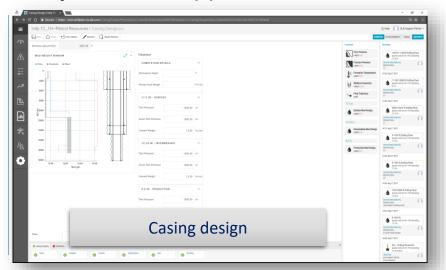


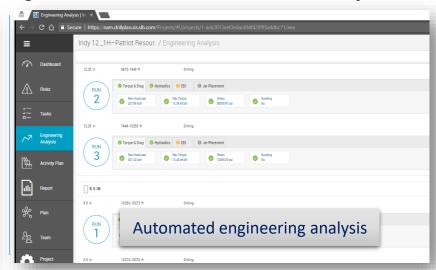
- Adaptable to PRI Operating specific well planning process
- Project management tools enable collaboration and supports decision making
- In short: DrillPlan offers a great/fast interface capable of increasing the quality of our planning efforts





### Systematic Approach to Well Planning Increases Overall Efficiency





#### Automated features in DrillPlan...

- Enhance our "cookie cutting" well planning, while highlighting potential execution issues
- Empower our team to evaluate an ample variety of well scenarios in a fraction of the time spent today
- Help us increase well integrity and focus efforts where they are really needed (operations efficiency)



#### Robust Teamwork Infrastructure



DrillPlan is a step change in well planning by coupling engineering with advanced project management functionalities



**NOVEL APPROACH** 



Task oriented well planning enables responsibility distribution and promotes team interaction



**INCREASE OF PRODUCTIVITY** 



Clarity of duties and deadlines, housed on a central shared workspace



**TEAM ACCOUNTABILITY** 



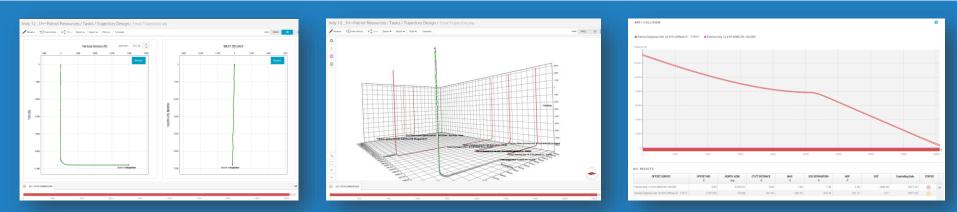
Overall DrillPlan allows for transparency and workflow progress updates



**COMPANY WIDE AWARENESS** 



### Direct Interaction with Service Companies



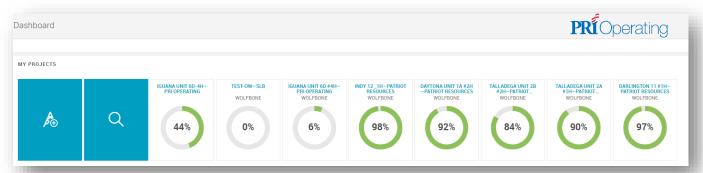
Trajectory design and anti-collision analysis for well Indy 12 \_1H

- Directional company interacted directly in DrillPlan this minimized back and forth iterations and unnecessary revisions
- BHAs and hydraulic design options were also integrated within DrillPlan by service company



### Conclusions from the PRI Operating DrillPlan Experience

- No deployment hurdles
- Adaptable to specific needs
- Automated features expedite our planning efforts while enhancing well integrity
- Time savings through advanced project management tools and direct interaction with service companies
- Re-gain ownership of the well planning process





# Q & A



September 13–15 Le Palais des Congrès de Paris Schlumberger