DWS EXCEEDS CUSTOMER TARGETS ON MULTI-WELL PAD

CASE STUDY

CHALLENGE & OBJECTIVE

Our customer saw numerous drilling and fracing delays on their new 11-well (pressure ranging from ~2000psi ~4500psi) pad. These unforeseen issues were putting their planned Turn In Line (TIL) date and financial targets in jeopardy of not being met. DWS' objective was to recover our customer's lost days by safely and efficiently completing this multi-well pad by applying disruptive HCU innovations.

PRE-JOB PLANNING

After several site visits by our field engineers and operations team, we were able to develop a SIMOP strategy unique to this multi-well pad (~20k ft. TMD). This strategy allowed us to safely decrease rig-over times, eliminate on-site logistics issues and optimize our adaptive HCU footprint to prevent any delays. The DWS In-house engineering team applied torque and drag modeling software to create the optimal workstring and BHA design . This critical step ensured we understood where issues could potentially arise in the wellbore during the drill out, and plan accordingly.

RESULTS & CONCLUSION

On the seven low-pressure wells, our SIMOP HCU's averaged 2.21 days per well and 3.40 days on the four high-pressure wells which includes production tubing installs. Based on our customer's initial completion forecast, we saved 6.5 days that translated to over 1/2-million dollars on this multi-well project. Our crews flawlessly executed the project plan with ZERO NPT or HSQE incidents.