

Drill The Well On Paper (DWOP)



The Drill Well on Paper (DWOP) exercise is a crucial step in effectively planning a well. The DWOP exercise will analyze each step of the drilling process to generate ideas for improving communication, safety, efficiency and overall performance, ultimately resulting in a reduction in costs. The DWOP requires active participation of stakeholders from the operator, drilling contractor, service contractors and equipment providers. The list of attendees should include, but not be limited to:

Operator

- Drilling manager, if possible
- Drilling superintendent(s)
- Drilling engineer(s)
- Completion engineer
- Drilling supervisor(s)
- Logistics manager
- Geologist, geophysicist, and rock mechanics specialist
- Reservoir engineer
- Production superintendent (if SIMOPS)
- HSE representative(s)

Drilling Contractor

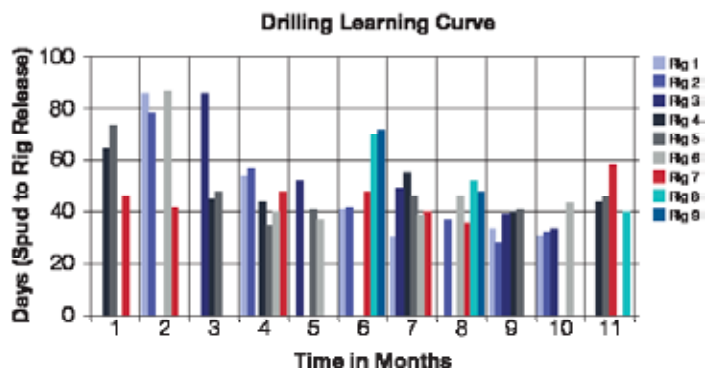
- Rig manager
- Toolpusher(s)
- HSE representative(s)
- Driller(s)
- Subsea engineer(s), (if applicable)

Service Companies / Equipment Providers

- Drilling fluids engineer
- Solids control engineer
- Drilling waste engineer
- Cementing engineer
- Mud logging engineer
- Electric line engineer
- Casing crew and CRT representative
- BOP nipple up representative
- MPD engineer
- Directional engineer
- MWD/LWD//PWD engineer
- Coring engineer
- H₂S engineers
- Testing engineer
- Wellhead representative
- Liner hanger representative
- Bit representative
- Other key stakeholders

The Wild Well facilitator(s) will tailor the agenda to ensure that the client's key concerns are fully addressed. If desired, Wild Well can provide pending availability subject matter experts in addition to the DWOP facilitator(s) to delve deeper into technical areas such as materials, casing design, cementing solutions (CSI Technologies), dynamic kill modeling, plume/dispersion modeling, relief well drilling, emergency response plans and other well control topics.

The Wild Well facilitator team comprises degreed engineers with a wealth of domestic and international drilling experience in all imaginable environments and situations. Each one has a unique background spanning a minimum of 25 years industry activity.



Drilling

There is a growing demand for dedicated personnel to support ongoing client operations through risk identification, mitigation and other proactive efforts.

The technical support activities may include, but are not limited to:

- Drill the Well on Paper (DWOP)
- Well Control focused risk assessments and mitigation recommendations
- Well control equipment specification review
- Well control gap analyses
- Monitoring of daily operations from a well control perspective
- Drilling the reservoir section
- Well control calculations and program reviews with subject matter expert support as required
- Well control event post-reviews

Well Integrity

As the world leader in well control, Wild Well and its subsidiaries have decades of experience dealing with a wide range of well integrity issues. Using the Technical Services approach, our advisors will assist clients in the evaluation of well integrity issues, developing a forward plan to mitigate the causes and/or effects of the diminished integrity. The forward plan could include an initial assessment followed by development of the scope of work and project management of non-rig work and rig work.

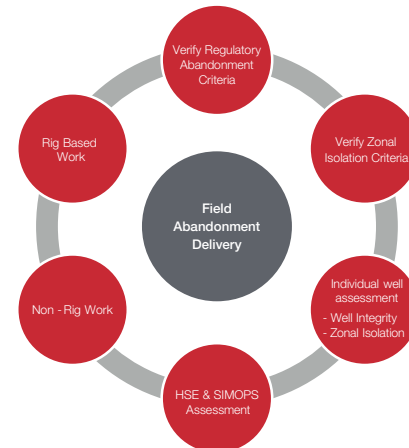
The well integrity investigation shall include, but will not be limited to:

- Gap analysis of current systems
- Review with operator of completion, intervention and production records
- Development with operator of abandonment criteria in event of integrity concerns
- Site inspection, surface equipment (wellheads, trees, etc.) verification, and assessment
- Surface well integrity work scope development to address integrity issues such as leaking valves and flanges as well as a possible program to address annular pressures
- Technical support and, if required, project management support for:
 - Surface well integrity repair
 - Casing/tubing assessment with corrosion and casing inspection logs as warranted

- Other non-rig intervention well integrity programs
- Rig-based well integrity intervention program
- Project coordination for development of a well integrity management system

Workover

Involvement of the Technical Services group may vary depending on the operator's personnel resources in the area, but the initial focus would be office-based technical support and guidance for client-contracted rigs and services. These efforts could also be project managed with resources from the client's current contractor base or other resources as needed.



Field Abandonment

There are many fields around the globe that have reached the end of their economic life. These fields may be shut in or they may be producing at rates below breakeven. Therefore, these depreciating deteriorating assets can present a significant abandonment liability for the operators.



For additional information, please contact:

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