

WARRIOR 8

3RD PARTY ARCHER MEMORY VIVID LOGGING USING THE CURRENT WARRIOR

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Abstract

The client, PCTSB, has requested to run the VIVID Logging Tool from Archer Company at the MDPA field to investigate potential leaks in the wells and determine the exact depth of leakage. Archer uses the Warrior Acquisition software to operate their tools, and the proposal is to hold a day session with Archer Company to learn about updates, procedures, and any tips and tricks for utilizing Warrior 8 software. The goal is to ensure that the current Warrior software can program and download data from the VIVID Tool string whilst gaining knowledge on using Warrior 8 effectively. Additionally, the VIVID Tool strings have a unique address that must be adjusted in the Ultrawire Memlog, and there is also a way to edit the .ini file during programming. This knowledge could prove valuable for future asset purchases, helping to integrate new tools using the Warrior 8 software.

Introduction

There was a request from the client, PCTSB to run the VIVID Logging Tool from Archer Company at MDPA field. The wells were suspected of having leaks and the client wants to investigate the exact depth of leakage inside the Wells. Archer Company utilizes the same software to run their tools, Warrior Acquisition, to perform any logging jobs. By having this opportunity, it is proposed to have a day session with Archer Company, to grab any information, knowledge, updates, and procedures in utilizing the Warrior 8 software from the competitor. There might be tips and tricks that can be gained from having a day session with the Field Engineers from the Archer Company. This project objective to have our current Warrior to be capable of programming and downloading the data from VIVID Tool string, at the same time, gather any new tips and tricks in utilizing Warrior 8 software from the Archer Company. The VIVID Tool strings, has a unique address that needs to be changed inside Ultrawire Memlog, accordingly towards the tool itself. Other than this, there was also a way to edit the .ini file inside Memlog that could be seen during the programming of VIVID. Perhaps, in future, if Dimension Bid, were to purchase any new assets, this knowledge could be useful, in terms of utilizing the new assets via Warrior 8 software.

Problem Definition

Our current Warrior 8 cannot be used directly to programme the VIVID Tool string. There were services need to be installed onto the Warrior 8, that have the configuration of the VIVID tools.

These VIVID Tools, has their own definition of “Devices, Sensors, Control, and Tools”. It is impossible to create these from scratch, and it needs to be given by the manufacturer. The installation was also a convoluted process as the Warrior Backup Software was not used. Using the Warrior Backup directly, will create more issues and errors.

Benefit to Dimension Bid and to Client

By studying the process of the integration between VIVID Logging Tool onto Warrior 8 software, any future purchases of assets that uses the similar system could be smoothen. Lesser time could be needed to utilize any future tools. Therefore, the client could benefit from the purchased tools faster, gaining much more effective usage of assets by Dimension Bid. The worst case that could happen is, if Dimension Bid to acquire any new assets, and Warrior 8 software fails to be integrated with Warrior 8, perhaps, much more costs will be spent to acquire other software.

Project Objectives

The objective of this project is to learn about tips and tricks of maximizing usage of Warrior 8 software by ensuring the current Warrior 8 that is installed in the Dimension Bid laptop, is able to programme and download the VIVID Logging Tools within a day.

Project Deliverables

The Field Engineer will produce presentation slides, that explains the overview of integrating the VIVID Logging Tool system onto Warrior 8. In these slides, the tips and tricks of making this a reality, would be written, and these tips and tricks will be a point of knowledge for future references.

Project Time Line

The project will take 2-days maximum, whereby, a day of session with Field Engineer from Archer Company, and another to summarize the findings. The day session with Archer Company, includes, the integration of software, and the bench test of the tools.

Project Resources

The designated laptop of the Field Engineer will be used as a reference to any future laptops.

Project Cost

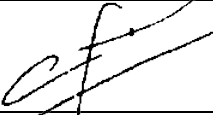


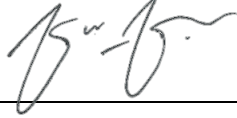
No cost is required.

Project Risks

There are risks of having the integration of Archer Company VIVID Tool string, whereby, the Warrior 8 could be unusable for Dimension Bid Logging Tools. By this, the laptop cannot be used for any logging activities by the Dimension Bid. However, this could be easily, be mitigated, by having uninstalling any new software and system, and re-install the current set of Warrior 8 software. This could also be prevented, by having a warrior backup prior to making any adjustments on the current Warrior 8 software.

Conclusion

The goal of this project is to enhance the current Warrior system to program and download data from the VIVID Tool string and to learn useful techniques from Archer's Field Engineers with zero costs. This knowledge could be valuable in the future if Dimension Bid acquires new assets, ensuring efficient use of the Warrior 8 software.

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