

# Cased Hole Petrophysics in IP

Extract additional insights by incorporating cased and open hole data

Interactive Petrophysics (IP), our market leading subsurface data interpretation package, can be utilized by E&P operators and service companies alike throughout the entire lifecycle of a well thanks to its suite of cased hole log analysis modules.

As the Oil & Gas industry matures, having the ability to monitor the performance and integrity of wells right through their life to abandonment is becoming even more prevalent. Having one software package which handles all data types allows geoscientists to work faster and more efficiently and also reduces costs.

Carrying out interpretation of various cased hole and open hole data types side by side allows our users to extract additional insights of their well which may have otherwise been missed when working in data silos. IP's cased hole suite of tools includes Casing and Cement Evaluation, Production Logging, Pulsed Neutron, Carbon-Oxygen and more...

"No longer do we need separate software packages to analyse open hole and cased hole data. With the introduction of our Casing Inspection and Carbon Oxygen

modules, IP now has a wide range of Cased Hole modules which, together, can be used to interpret all data types throughout the whole lifecycle of the well in one package."

Ross Brackenridge Cased Hole Product Champion



#### Well Diagram Manager

Build Casing Diagrams and add to any logplot or display as cross section or 3D view. Full database of common pipe sizes. Add perforations and downhole hardware. Colour pipe based on any log curve.



## **Production Logging**

Calculate downhole production rates including cumulative and zonal contributions of each reservoir zone. Standard workflow for conventional PL data in vertical or slightly deviated wells. Advanced workflow for PL array tools calculating multi-phase flow profiles in highly deviated or horizontal wells. Includes specific workflows for both MAPS and FSI array tools.









## **Casing Inspection**

Assess the condition of downhole casing or tubing with the Casing Inspection module. The module handles radial data from Multi-finger Caliper and radial/thickness data from Ultrasonic Tools. It can apply a variety of correction to raw data before calculating detailed statistic and grading each section.



#### **Cement Evaluation**

Assess Cement Bond Log data for all the required criteria needed to indicate annular hydraulic isolation. Handles full range of common tool types from basic CBL through to advanced tools such as SLB Isolation Scanner and Baker Hughes Integrity Explorer.



Monitor reservoir water saturation behind casing by analysing data from Pulsed Neutron logs with our range of cased hole formation evaluation modules:

**Sigma Sw Analysis** Use the Sigma Sw Analysis module for stand-alone interpretation in reservoirs with moderate to high water salinity.

Sigma Time Lapse Detect changes in saturation over time by comparing new and old Pulsed Neutron Sigma runs.

## CO Sw Analysis

Calculate water saturation behind casing by combining Carbon Oxygen (CO) data from pulsed neutron tools with Open Hole data and CO response models when your reservoir water salinity is low, mixed or unknown.





# Get in touch



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Updated: 8.October.2022



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