

Advanced Multiconductor Jar Activates Two Openhole Coring Runs, Prevents Stuck Logging Tools and Costly Fishing Operation, Minimizes NPT

Objectives

- Conduct openhole wireline logging runs to gather samples and data.
- Perform modular formation dynamics tester (MDT) logging to acquire critical pressure and sample data.
- Execute multiple extra-large rock runs to collect a large volume of sidewall cores.

Our Approach

- As part of the pre-job planning, a thorough sticking risk assessment was conducted while using the ImpactPro™ jar-setting software for jar-setting and impact-force modeling.
- For each wireline run, the appropriate jar setting was determined based on the toolstring weight and available surface pull.
- The advanced multiconductor jar was designed to activate automatically upon encountering a sticking situation or operate with a "time delay" option. This gave the operator the flexibility to either jar immediately when sticking was detected or first use the available wireline pull to free the toolstring before applying additional pull to activate the jar.

Value to Customer

- By preventing stuck toolstrings and the need for fishing operations, the AMJ minimized nonproductive time (NPT) and avoided the loss of logging toolstrings, thereby eliminating lost in hole (LIH) charges for the operator.
- Comprehensive logging data protected critical revenue for the operator by preventing tool losses and eliminating the downtime needed to manufacture replacements.
- The environmental risks typically associated with leaving radioactive sources downhole was mitigated, enhancing overall operational safety and efficiency while safeguarding the environment.



The advanced multiconductor jar is an openhole wireline jar for use in extreme applications that helps prevent stuck toolstrings and expensive fishing operations.

LOCATION

Kingston, GA, United States

WELL TYPE

CCS

HOLE SIZE AND ANGLE

6-1/2 in., 4° deviation

CASING TYPE

Openhole

DEPTH

9,055 ft (2,760 m)

PRODUCTS/SERVICES

- Impact Selector® Advanced Multiconductor Openhole Jar
- ImpactPro Jar Setting Software

