

HDD™ PROVIDES MORE ACCURATE LOG POROSITY OVER HIGH RESOLUTION* WHEN COMPARED TO CORE

CASE HISTORY: Comparison of HDD™ to Core Porosity through the Sparky Heavy Oil Formation, Lloydminster Area, Alberta.

Objective:

Validate HDD™ log porosity values against core porosity to increase the confidence in log derived porosity for reserves calculations and bed boundaries.

Solution:

Compare core porosity values to STANDARD and HDD™ log data.

Benefits:

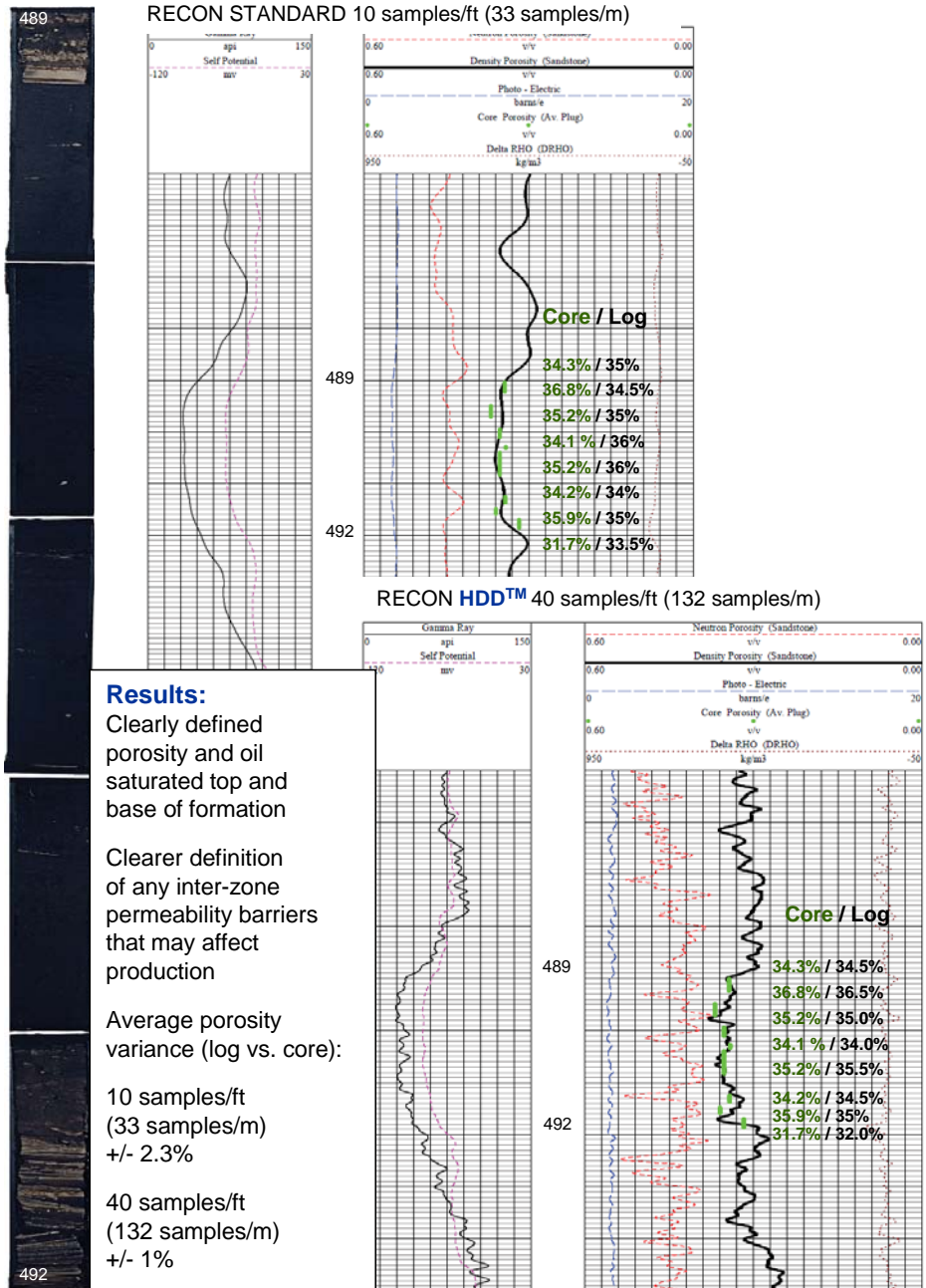
Increased confidence in matrix porosity values acquired with HDD™ logging, resulting in less dependency on cutting core.

Core plug porosity values compare adequately to the log derived STANDARD Density porosities.

Increased confidence with the HDD™ log derived porosity for volumetric calculations, resulting in more accurate reserve assignments.

HDD™ log data was acquired without incident and with minimal impact to rig time.

Allows for more accurate completions, saving time and money.



* 10 samples/ft (33 samples/m), RECON STANDARD Logs, Industry High Resolution