

Title (en)

DETERMINING WATER SALINITY AND WATER-FILLED POROSITY OF A FORMATION

Title (de)

BESTIMMUNG DES SALZGEHALTS DES WASSERS UND WASSERGEFÜLLTEN POROSITÄT EINER FORMATION

Title (fr)

DÉTERMINATION DE LA SALINITÉ DE L'EAU ET DE LA POROSITÉ REMPLIE D'EAU D'UNE FORMATION

Publication

EP 3094819 A1 20161123 (EN)

Application

EP 14883275 A 20140221

Priority

US 2014017738 W 20140221

Abstract (en)

[origin: WO2015126416A1] An illustrative method of determining water-filled porosity of a formation that includes acquiring a downhole temperature, acquiring a total porosity of the formation, acquiring a dielectric measurement of the formation, determining a water salinity based on the temperature, total porosity, and dielectric measurement. The method further includes determining a water-filled porosity of the formation based at least in part on the water salinity.

IPC 8 full level

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CPC (source: EP US)

E21B 47/07 (2020.05 - EP US); **E21B 49/0875** (2020.05 - EP US); **E21B 49/088** (2013.01 - EP US); **E21B 47/04** (2013.01 - US)

Designated contracting state (EPC)

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Designated extension state (EPC)

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