

Title (en)
FORMATION TESTING IN MANAGED PRESSURE DRILLING

Title (de)
FORMATIONSTESTS IN EINER VERWALTETEN DRUCKBOHRUNG

Title (fr)
ESSAI DES COUCHES LORS D'UN FORAGE À PRESSION GÉRÉE

Publication
EP 2732130 A1 20140521 (EN)

Application
EP 11869316 A 20110712

Priority
US 2011043750 W 20110712

Abstract (en)
[origin: WO2013009305A1] A method of testing an earth formation can include incrementally opening a choke while drilling into the formation is ceased, thereby reducing pressure in a wellbore, and detecting an influx into the wellbore due to the reducing pressure in the wellbore. Another method of testing an earth formation can include drilling into the formation, with an annulus between a drill string and a wellbore being pressure isolated from atmosphere, then incrementally opening a choke while drilling is ceased, thereby reducing pressure in the wellbore, detecting an influx into the wellbore due to the reducing pressure in the wellbore, and determining approximate formation pore pressure as pressure in the wellbore when the influx is detected. Drilling fluid may or may not flow through the drill string when the influx is detected. A downhole pressure sensor can be used to verify pressure in the wellbore.

IPC 8 full level
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CPC (source: EP US)
E21B 21/08 (2013.01 - EP US); **E21B 21/085** (2020.05 - EP); **E21B 47/06** (2013.01 - EP); **E21B 49/087** (2013.01 - EP US)

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WO 2013009305 A1 20130117; BR 112014000553 A2 20170214; BR 112014000553 B1 20200811; BR 112014000553 B8 20210217; CA 2841125 A1 20130117; CA 2841125 C 20160607; CN 103688020 A 20140326; EP 2732130 A1 20140521; EP 2732130 A4 20150930; EP 2732130 B1 20180502; MX 2014000417 A 20140227; MX 353095 B 20171219; RU 2014104013 A 20150820; RU 2585780 C2 20160610

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