

Title (en)
OPERATION OF A WELLHEAD COMPRESSOR

Title (de)
BETRIEB EINES BOHRLOCHKOPFVERDICHTERS

Title (fr)
FONCTIONNEMENT DE COMPRESSEUR DE TÊTE DE Puits

Publication
EP 3516228 B1 20210113 (EN)

Application
EP 17783742 A 20170922

Priority
• EP 16190625 A 20160926
• EP 2017074089 W 20170922

Abstract (en)
[origin: WO2018055105A1] A method of operating a wellhead compressor comprises selecting a plurality of operating points of the wellhead compressor, measuring (302) the tubing pressure at the plurality of operating points of the wellhead compressor and determining (304) an efficiency achieved by the wellhead compressor when operating at each of the operating points based on at least the measured tubing pressure at each of the operating points. A production curve is generated of well pressure as a function of flow rate from a combination of measured data and predicted data. An operating point of the wellhead compressor is selected (306) from the production curve based on at least the efficiency of the wellhead compressor at the selected operating point and the wellhead compressor is operated (308) at the selected operating point. The steps of the method (300) are repeated after operating the wellhead compressor at the selected operating point for a predetermined period of time.

IPC 8 full level
F04C 28/02 (2006.01); **F04C 18/14** (2006.01); **F04C 18/16** (2006.01); **F04C 28/08** (2006.01); **F04C 28/12** (2006.01); **F04C 28/24** (2006.01)

CPC (source: EP US)
E21B 34/00 (2013.01 - US); **E21B 41/0042** (2013.01 - US); **E21B 43/00** (2013.01 - US); **E21B 43/12** (2013.01 - US);
E21B 43/121 (2013.01 - EP US); **E21B 43/13** (2020.05 - US); **E21B 47/00** (2013.01 - US); **E21B 47/06** (2013.01 - EP US);
F04C 18/16 (2013.01 - EP US); **F04C 28/02** (2013.01 - EP US); **F04C 28/08** (2013.01 - EP); **F04C 28/12** (2013.01 - EP US);
F04C 28/28 (2013.01 - US); **F04C 2270/185** (2013.01 - US); **F04C 2270/205** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2018055105 A1 20180329; AU 2017329987 A1 20190328; AU 2017329987 B2 20200102; EP 3516228 A1 20190731;
EP 3516228 B1 20210113; PL 3516228 T3 20210802; US 2019249525 A1 20190815

DOCDB simple family (application)
EP 2017074089 W 20170922; AU 2017329987 A 20170922; EP 17783742 A 20170922; PL 17783742 T 20170922;
US 201716333435 A 20170922