

Title (en)

Integrated method and system for acid gas-lift and enhanced oil recovery using acid gas background of the invention

Title (de)

Integriertes Verfahren und System für Säuretraggas und erweiterte Ölwiedergewinnung mithilfe von Säuregas

Title (fr)

Procédé intégré et système pour gas-lift acide et récupération d'huile améliorée utilisant le fond de gaz acide de l'invention

Publication

**EP 2233689 A1 20100929 (EN)**

Application

**EP 09156550 A 20090327**

Priority

EP 09156550 A 20090327

Abstract (en)

A method of enhancing crude oil recovery from a crude oil containing formation uses an integrated acid gas injection system, which injects a first fraction of an available volume of acid gas into the formation and a second fraction of the available volume of acid gas as a lift gas into a crude oil production well traversing the formation.

IPC 8 full level

**E21B 43/12** (2006.01); **E21B 43/16** (2006.01)

CPC (source: EP US)

**E21B 43/122** (2013.01 - EP US); **E21B 43/16** (2013.01 - EP US); **E21B 43/164** (2013.01 - EP US)

Citation (applicant)

US 5337828 A 19940816 - JENNINGS JR ALFRED R [US]

Citation (search report)

- [X] WO 2004063310 A2 20040729 - KELLEY TERRY EARL [US]
- [Y] GB 2254634 A 19921014 - BP EXPLORATION OPERATING [GB]
- [X] EP 0144203 A2 19850612 - ZAKIEWICZ BOHDAN M DR
- [A] US 6105672 A 20000822 - DERUYTER CHRISTIAN [FR], et al
- [A] RU 2060378 C1 19960520 - SHEVCHENKO ALEKSANDR K [RU]
- [XY] SORRELL D ET AL: "COILED TUBING CO2 GAS LIFT EVALUATED IN WEST TEXAS", WORLD OIL, GULF PUBLISHING COMPAGNY, HOUSTON, TX, US, vol. 218, no. 1, 1 January 1997 (1997-01-01), pages 65/66,68,70, XP000699340, ISSN: 0043-8790
- [X] MARTINEZ J: "CO2 Gas Lift - Is It Right For You?", SPE MID-CONTINENT OPERATIONS SYMPOSIUM,, no. SPE-52163, 28 March 1999 (1999-03-28), pages 6pp, XP007909531
- [A] LOZADA M A ET AL: "Self-Sufficient System for Continuous Gas Lift in a very Harmful Sour Gas Environment", SPE INTERNATIONAL PETROLEUM CONFERENCE AND EXHIBITION, VILLAHERMOSA, MEXICO, 10-12 FEBRUARY 2002,, no. SPE-74414, 10 February 2002 (2002-02-10), pages 12pp, XP007909532

Cited by

CN114427429A; CN114991723A; CN103429696A; WO2017140629A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2233689 A1 20100929**; US 2010307765 A1 20101209

DOCDB simple family (application)

**EP 09156550 A 20090327**; US 73287510 A 20100326