Gas reservoir can be pressurized

For example, the struc- tural reservoir with large dip angle and lithologic reser- voir with thick oil layer; (4) Miscible flooding conditions, such as reservoirs with low miscibility ...

Tight sandstone gas reservoirs are characterized by high water saturation, significant seepage resistance, low single-well productivity, rapid decline, and low gas ...

The Lower Paleozoic gas reservoir in J Gas Field belongs to a large-scale constant-volume gas accumulation, which is now faced with the issue of output decline. To ...

It can be seen from Table 1 that the initial pressure of high temperature gas reservoirs is usually higher than 30 MPa, but the reservoir pressure can decline significantly by ...

This review gathered underground hydrogen storage projects around the world and summarized the advantages and disadvantages of each reservoir type. It is worth mentioning that ...

8.1 Introduction The main source of energy during primary hydrocarbon recovery is the pressure of the reservoir. At any given time in the reservoir, the average reservoir pressure is an ...

An oil and gas reservoir is the oil and gas accumulation in an independent trap with a single pressure system and the unitary gas-oil interface and oil-water interface. In the light of ...

Abstract Utilizing energy storage in depleted oil and gas reservoirs can improve productivity while reducing power costs and is one of the best ways to achieve synergistic development of ...

1 · Depleted oil and gas reservoirs have comprehensive geological information and a large number of pore spaces, which have the potential to be used as compressed air storage. ...

Hydraulic reservoirs can be pressurized through gravity-driven systems, gas pressurization, and hydraulic pumps. Gravity-driven systems use height differences to create ...

Naturally, it has maximum mobility in the porous medium. Some fraction of wet gas condenses at the surface under stock tank conditions. Gas condensate reservoirs are distinguished by the ...

With the proposed semi-analytical equations, the average reservoir pressure and reservoir deliverability can be more accurately estimated. Therefore, the evaluations of OGIP ...

This chapter discusses the gas injection technique. Gas injection is the oldest of the fluid injection processes.

Gas reservoir can be pressurized

The idea of using a gas for the purpose of maintaining reservoir ...

The reservoir pressure and GOR trends for each of the main (first) three drive mechanisms is shown as Figures 3.1 and 3.2. Note particularly that water drive maintains the reservoir ...

The reservoir pressure characteristics and wellbore production performance after the onset of liquid loading have not been systematically investigated. This work introduces a ...

The compressibility of abnormal pressure gas reservoirs is hard to test, and the interpretation is confusing, leading to many misunderstandings in the current understanding of ...

Gas condensate bearing reservoirs are becoming more due to increase in produc-tion depth, pressure, and temperature (Orodu et al., 2012). There are several devel-opment techniques ...

Gas-in-place reserves are frequently predicted using a graphical solution for the gas material balance equation. A special case of this material balance equation, under specific ...

In view of such problems as stratum and wellhead oil pressure slope of "high in the west and low in the east", large pressure difference between the east and the west, ...