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## **GAS STORAGE WITHOUT CUSHION GAS (IN DEEP TRIASSIC SALT), THE PORTLAND PROJECT, UK**

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### **Abstract**

This paper introduces a new project aiming at the creation of one of the largest natural gas cavern storage facilities in the world within deep Triassic salt without cushion gas. Brine injection or withdrawal will be used to compensate for withdrawal or injection of gas.

The key components of the project will be outlined and some of the benefits of using brine compensation operations for gas storage discussed.

Construction of the facility will commence in the fourth quarter of 2008 with completion scheduled for 2015.

**Key words:** Caverns for Gas Storage, Bedded Salt Deposits, United Kingdom