Analysis of Production and Reservoir Characteristics from the Drunkards Wash Gas Field, Utah; Identification of Parameters Favoring High-Performance Gas Wells.

Abstract

Drunkards Wash field is Utah's largest coalbed gas field, and the field has grown since its discovery in 1992 to become the state's largest gas producer. This work was carried out as part of the Geologic Internship Program of the University of Utah by John C. Naranjo, under the project contact David Tabet via phone at (801) 537-3373, via fax at (801) 537-3400, or via email at davidtabet@utah.gov.

Conclusions

1. The current play was initiated in 1991, when River Gas Corporation with Texaco initially operated the field with River Gas 19-151 Telonis well, a good producer (>). The Ferron Sandstone, sandstone, siltstone, and coal.

2. The scope of our project was to try to answer questions in the following three specific areas:

   1. Analyze production data to determine characteristics of producing wells in the Drunkards Wash field.
   2. Graphically process the production data to identify correlations between production parameters.
   3. Obtain spatial distributions of production data to classify field characteristics and general trends.

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   Parts of the field now have a mature production history covering at least 10 years, allowing analysis of well production characteristics, to help determine key parameters that might identify high-performance well locations in the Drunkards Wash field area.

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