As can be seen by the relatively few charts which were discussed, it is necessary to have thorough knowledge of the basic tools and their auxiliary assemblies. Also, extreme care should be taken in preparation of the well prior to testing. The instruments used must be the best available both in accuracy and sensitivity. The chart reproductions must be an exact duplication of the original without falsification or retouching. With all the above adhered to, very intelligent study must be made of the charts, the recovery and the entire available data in order to obtain the full value of each drill stem test.

LIMITATIONS OF METHODS OF DRILLING AND TESTING WILDCAT WELLS

by
PARKE A. DICKEY[1]

Abstract

Current drilling methods are not well adapted to the detection and reliable evaluation of oil-producing formations. The very principle of rotary drilling requires the sealing off of permeable horizons, and it is difficult and sometimes impossible to restore their permeability. Electric logs are poor indicators of saturation, and mudloggers are inaccurate and not always reliable. Cores are normally flushed and do not give true values of oil content. Even drill stem tests do not provide a good estimate of the barrels per day a formation will produce. If we are going to the expense of opening a hole into a formation, we ought to be able to get a positive test and not have to rely on interpretations of electric log and core data to tell whether it contains commercial oil. Development of new tools should be directed not solely towards faster, or even cheaper drilling, but towards those methods that result in the best oil wells.

BLACK HILLS FIELD TRIP

by
J. V. HOWELL[2]

Abstract

Mr. Howell's talk included a comparison of a present day field trip to the Black Hills with those of the nineteenth century. Attendance at the Third Annual Field Conference of the Billings Geological Society was approximately 340. Trips in 1853-78 led by F. V. Hayden to the same region usually included from 60-80 men. Many pictures of the recent field trip and old pictures from the days of Hayden were used as illustrations.

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