

Details of work

The lease or equivalent sand member of the Simpson formation was topped at 9344 feet in Canyon No. 6. The section from 9348 feet to 9381 feet was cored in three intervals as described below:

The section from 9348 feet to 9352 feet was cored with a Hughes type "J" core barrel. The recovery amounted to two feet of gray firm porous medium sand, which was slightly shaly in top foot. There was scattered oil staining in the top foot but the lower foot was uniformly oil stained or saturated.

The section from 9352 feet to 9356 feet was cored with a Hughes type "J" core barrel. The recovery amounted to four feet of gray firm rather porous medium sand which was well saturated with oil.

The section from 9356 feet to 9381 feet was cored with a Christensen diamond core barrel. The recovery amounted to 25 feet with the top 7-1/2 feet being a gray variably fine to medium sand with fair oil stain except in basal two feet which was shaly and barren; the middle 13 feet was a green shale; and basal 4-1/2 feet was a green shaly sand which was barren of oil staining.

The above information has been previously reported on forms number 9-331a.

A drill stem test was taken on January 26, 1948, at approximately 7:00 P.M. with a total depth of 9381 feet. The Halliburton 8" packer was set at 9348 feet and a 1300 foot water blanket was run in the bottom of the drill pipe. The Halliburton tool was open a total of two hours with an attempted 15 minute build-up pressure. There was a 5/8" sub-surface choke and a one inch surface choke employed during the test. Gas at the daily rate of 24,970 cubic feet was measured at the surface thirty-five minutes after the tester was opened. The water blanket appeared at the surface in one hour, oil was observed in one hour and fifteen minutes, and it was allowed to flow into the pits for fifteen minutes prior to testing the well in a tank. Then it flowed 42 barrels of 42 degree API gravity oil in thirty minutes and the gas measured at the daily rate of 828,380 cubic feet during the test. Recovered 2700 feet of oil in the 4-1/2 inch drill pipe. The flowing pressure during the test was 2,370 psi. In an attempt to obtain the build-up pressure, the packer was unseated; consequently, the build-up pressure was not measured.