

GEOLOGICAL REPORT

Contractor: Damac Drlg. Co.
Commenced: November 16, 1974
Completed: November 23, 1974

SeRoBee & Shaffer #3 Werner
NW NW Section 18-32-9W
Harper County, Kansas

15-077-20287

Gentlemen:

Following is the geological report on the above captioned well. Samples were examined from 3600' to total depth. Measurements were taken from the Kelly Bushing.

Elevation: 1458' K.B.
Surface Pipe: 8 5/8" @ 256 feet with 225 sacks.
Production Pipe: 4 1/2" @ 4341 feet with 150 sacks.
Drillstem Tests: One by Western Testers.
Electric Logs: None

Formation Summary

Heebner	3391 (-1933)
Lansing	3614 (-2156)
Kansas City	3870 (-2412)
Base-Kansas City	4138 (-2680)
Mississippian	4339 (-2881)
Total Depth	4350 (-2892)

Sample Descriptions

Lansing-Kansas City

3614 - 4138 Numerous zones of porosity were found in this series of limestones, no shows were observed.

Mississippian

4339 - 4350 Chert; white, fresh to partly weathered and tripolitic, fair pinpoint and vugular porosity, spotted staining to saturation, fair show of free oil, faint odor

Drillstem Test: 4340 to 4350 feet. Tool open 1/2 hr., shut in 1/2 hr., Open 1 hr., Shut in 1 hr. Gas surfaced in 5 minutes.
Guaged 121,000 CFG/D & declined to 76,000 CFG/D at end of test.
Recovered: 300 feet clean, gassy oil,
150 feet heavily oil cut mud.
Flow Pressures: 62-135 & 156-292 psi.
Bottom Hole Pressure: 1399 - 1388 psi.

Rotary Total Depth 3250 feet. Production pipe was set and cemented at 4341 feet or nine feet off bottom.

Lee Poulsen