

**SAMPLE ANALYSIS REPORT**  
**HERNDON DRILLING COMPANY**  
**NW NE SW, SEC. 22-34-3W**  
**# 7 SUBERA**  
**SUMNER COUNTY, KANSAS**  
**BY**  
**GERALD J. KATHOL**

**OWLL**

# TOMLINSON & KATHOL

CONSULTING GEOLOGISTS

413-14 UNION CENTER

PHONE AM 7-3062

WICHITA 2, KANSAS

January 21, 1958

Herndon Drilling Company  
823 South Detroit  
Tulsa, Oklahoma

Subject: Herndon Drlg. # 7 Subera  
NW NE SW, Sec. 22-34-3W  
Sumner County, Kansas

Dear Sir:

The following is a sample analysis report of the above captioned well.

The well was under geological supervision from 4250 to 4350 and from 4700 to 4742 feet, rotary total depth. Samples were examined from 4200 to 4742 feet, rotary total depth.

All tops and zones of porosity are based on kelly bushing measurements.

The following formation tops were determined from sample examination:

Elevation 1195 DF - 1198 RB

Top Mississippian	4287	-3089
Top Viola	4725	-3527
Top Simpson	4731	-3553
5-1/2" Casing	4733	-3535
Rotary Total Depth	4742	-3544

Note: Structurally the # 7 Subera is approximately six (6) feet lower on the Simpson Sand than the Hudson # 1, a flowing well a location to the Northwest.

Zones of porosity and staining:

Mississippian Section:

4290 - 4308 Chert, tripolitic to sharp. Some leached porosity with spotted light stain. Trace of free oil.

Note: In the samples carrying Mississippian Chert and just prior to chert appearance sand clusters were logged. Sand medium grained clear subangular, partly phosphatic. No evidence of staining noted.

Simpson Section:

- 4731 - 4736 Sand, quartzitic brown with dead flaky hydrocarbon. Very sparse and show of oil.
- 4736 - 4742 Sand, medium to large grained, clear with light stain and free oil, good odor. Several clusters of almost white sand. Zone tested by Drill Stem Test # 1.

Drill Stem Test # 1

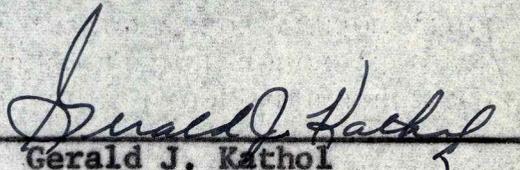
4730 - 4742 Open 1 hour, good blow, gas to surface in 5 minutes, recovered 630 feet oil, 30 feet oil cut mud. IBHP 1395#, FBHP 1355#.

Casing was run to rotary total depth and picked up nine (9) feet and cemented.

Respectfully submitted,

TOMLINSON & KATHOL

By:

  
Gerald J. Kathol