

V. JEAN TAYLOR
CONSULTING PETROLEUM GEOLOGIST
314 BROWN BUILDING
WICHITA, KANSAS

December 17, 1956

Re: N.C.R.A.
No. 1 Haffner
SE NE NW Section 19, T 9 S, R 27 W
Sheridan County, Kansas

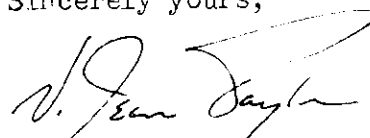
Theodore Gore
400 Brown Building
Wichita, Kansas

Dear Ted:

Enclosed is my sample log for your above named well. Samples were examined from 3650 feet to the total depth. I was present intermittently during the drilling between the interval of 3885 feet to 4020 feet. There were no shows from 3650 feet to 3874 feet, the top of the Toronto limestone. Sample lithology and drill stem test data below 3850 feet are given in the accompanying sample log.

The Lansing datum, called at 3888 (minus 1133) feet, was two feet higher than in the Trans-Era Petroleum Company No. 1 Bell in the SE SE SE of Section 13, T 9 S, R 28 W. The Base of the Kansas City was called at 4108 (minus 1353) feet, 12 feet higher than in the aforementioned Bell well, indicating a ten foot thinning through the Lansing and Kansas City Groups. All shows of live oil staining were drill stem tested. Since none were commercial or indicated potentialities, permission to plug the well was given at 4140 feet, 32 feet below the base of the Kansas City Group. A Schlumberger induction and microlog was run at the total depth.

Sincerely yours,



V. Jean Taylor

VJT:mt

Enclosure

V. JEAN TAYLOR
CONSULTING PETROLEUM GEOLOGIST
314 BROWN BUILDING
WICHITA, KANSAS

N.C.R.A.

No. 1 Haffner

SE NE NW Section 19, T 9 S, R 27 W

Sheridan County, Kansas

Elevation: 2755 Kelly Bushing

- SAMPLE LOG -

HEEBNER 3850 (minus 1095) Schlumberger (minus 1097)

Shale	- Black, carbonaceous.	3850 - 3853
Limestone	- Brown to gray brown, fine crystalline.	3857
Shale	- Red brown and gray.	3874

TORONTO 3874 (minus 1119) Schlumberger (minus 1121)

Limestone	- Light gray, fine crystalline, fossiliferous, with good uniform stain in poor to fair fossil porosity. Much gray opaque chert included.	3874 - 3882
Shale	- Gray and red brown.	3888

LANSING-KANSAS CITY GROUPS Undifferentiated 3888 (minus 1133)
Schlumberger (minus 1137)

Limestone	- Light gray, fine crystalline, very slightly oolitic.	3888 - 3906
Shale	- Gray and red brown.	3913
Limestone	- Light gray, fine crystalline, with much gray to smoky gray chert. Trace of light to dark stain in poor porosity.	3920
Shale	- Red brown and gray.	3922
Limestone	- Light gray, fine crystalline, fossiliferous, with good show of free oil. Good odor in fair pinpoint and vuggy porosity.	3943
Shale	- Red brown and gray.	3945
Limestone	- Cream, fine crystalline.	3948
Shale	- Red brown and gray.	3949
Limestone	- Cream, fine to medium crystalline, mottled, fossiliferous, with trace of spotted stain, fair odor, in slight oolitic to oolitic porosity.	3960
Dolomite	- Light gray, medium to coarse rhombic, limey in part, with good odor, trace of free oil, some porosity with no stain.	3964
Shale	- Gray.	3966
Limestone	- Light gray, fine crystalline, slightly chalky, with occasional light spotted stain in poor intercrystalline porosity.	3999
Shale	- Black, carbonaceous.	4001
Limestone	- Gray brown, fine crystalline.	4007
Shale	- Gray and red brown.	4014

No. 1 Haffner

SE NE NW Section 19, T 9 S, R 27 W

Sheridan County, Kansas

- SAMPLE LOG -

Limestone	- Light gray to cream, fine crystalline, with few isolated vugs with dark stain and gilsonite. Much gray, translucent to opaque chert.	4028
Shale	- Red brown.	4029
Limestone	- Brown, fine crystalline, very fossiliferous (fusulinids).	4031
Shale	- Gray and red brown, with arenaceous streaks.	4038
Limestone	- Cream to gray, fine crystalline, slightly shaley.	4045
Shale	- Gray and red brown.	4054
Limestone	- Light gray, fine crystalline.	4064
Shale	- Gray and red brown.	4074
Limestone	- Light gray, fine crystalline, fossiliferous, with trace of gray chert.	4086
Shale	- Gray.	4098
Limestone	- Cream to buff, brown, fine to dense crystalline.	4108

BASE KANSAS CITY 4108 (minus 1353) Schlumberger (minus 1356)

Shale	- Gray.	4118
Sandstone	- Gray, fine grained, argillaceous, with slight trace of carbonaceous material and gilsonite.	4140

ROTARY TOTAL DEPTH 4140

SCHLUMBERGER TOTAL DEPTH 4143

<u>DST #1</u>	<u>3872 - 3884</u>	Tool open one hour. Recovered 12 feet of mud with occasional spot of oil. 29 minute initial shut-in bottom hole pressure --0 pounds. Flow pressures--0 pounds. 20 minute final shut-in bottom hole pressure--0 pounds.
<u>DST #2</u>	<u>3900 - 3920</u>	Tool open one hour. Recovered 5 feet of mud with specks of oil. Pressures--0 pounds.
<u>DST #3</u>	<u>3924 - 3944</u>	Tool open one and one half hours. Recovered 100 feet of water with a scum of oil. 20 minute initial shut-in bottom hole pressure--1260 pounds. Flow pressures--0 pounds. 20 minute final shut-in bottom hole pressure--890 pounds.
<u>DST #4</u>	<u>3947 - 3970</u>	Tool open one hour. Recovered 815 feet of water. 20 minute shut-in bottom hole pressure--1300 pounds. Final flow pressure--320 pounds.
<u>DST #5</u>	<u>3990 - 4010</u>	Tool open one hour. Recovered 17 feet of mud. Initial shut-in bottom hole pressure--1340 pounds. Flow pressures--0 pounds. Final shut-in bottom hole pressure--1340 pounds.
<u>DST #6</u>	<u>4007 - 4035</u>	Tool open one hour. Recovered 50 feet of muddy water. Initial bottom hole pressure--1120 pounds. Initial flow pressure--15 pounds. Final flow pressure--30 pounds. Final shut-in bottom hole pressure--1090 pounds.