

JAMES E. GUINOTTE

CONSULTING GEOLOGIST
11½ EAST MAIN
P. O. Box 2
CHANUTE, KANSAS 66720

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OFFICE 316-431-4130
RES. 316-431-4028



Mr. Howard Newland
510 North Main Street
Yates Center, Kansas 66783

Re: Newland # 4 Green
SW NW SW Sec. 26-11S-8E
Riley County, Kansas

Gentlemen:

Five (5) foot samples were examined from 1300' to 1430' and ten (10) foot samples from 1430 to 1714 R.T.D.. One foot drilling time was kept and logged from 1300' to 1714'. No open hole logs nor drill stem tests were run on this well. All measurements used in this report are from the Kelly Bushing at an elevation of 1256' above sea level.

Comm. Drlg.: November 7, 1972
Comp. Drlg.: November 10, 1972

ELEVATIONS

1251 Grd. level
1256 K.B.

CONTRACTOR

White & Ellis Drlg. Co.
El Dorado, Kansas

CASING

8 5/8" @ 200' w/100 sax

GEOLOGICAL TOPS

Lansing
Base Kansas City
Cherokee
Pennsylvanian Sand
Pennsylvanian Congl.
Mississippi Chert
Mississippi Lime
R.T.D.

TIME LOG & SAMPLES

1181	(/ 75)
1516	(-260)
1612	(-356)
1636	(-380)
1647	(-391)
1674	(-418)
1690	(-434)
1714	(-458)

POROUS ZONES, STAINING AND TESTS

Penn. Sand

1636 - 1674

Gray to brown fine grained sand laminated with shale, fair to good porosity, slight odor, spotted staining, slight show of free oil in samples. Dull fluorescence.

Penn. Conglomerate

1647 - 1674 Vari-colored chert and shales. Fair porosity in lower part shales, gray, green, and red. Spotted staining in chert. No odor - no fluorescence.

Mississippi Chert

1674 - 1690 White and yellow chert vitreous, slight porosity, vari-colored chert, some tripolitic. No odor, very slight spotted staining.

Mississippi Lime

1690 - 1714 White crystalline lime, interbedded with green and red shale stringers, tight and dense. No odor, no stain, no fluorescence.

R. T. D.

1714 Mississippi line

CONCLUSIONS AND RECOMMENDATIONS

The Newland # 4 Green was nine (9) feet higher on the Base of the Kansas City and the Cherokee than the Newland # 2 Green two locations south. The Pennsylvanian Sand top came in three (3) feet higher on the # 4 Green, but lacked sufficient oil saturation to be commercial. It was recommended that the Newland # 4 Green be plugged and abandoned.

Submitted by,

JAMES E. GUINOTTE
Petroleum Geologist

JEG/gd