

T. G. WRIGHT *X*
Consulting Geologist

530 FOURTH FINANCIAL CENTER
WICHITA, KANSAS 67202-2282
November 15, 1984

23-32-2E

P1
Val

GEOLOGICAL WELL REPORT

NCRA #1 WENRICH ✓

C SE NE Section 23-T32S-R2E,

Wildcat, Sumner County, KS

Contractor: Range Drilling Co., Inc.,

Rig #2

Spud: Nov. 8, 1984

8 5/8" Casing @ 308' (set earlier)

Completed as a dry hole: Nov. 13, 1984

Total Depth: 3250 (Rotary & E Log)

National Cooperative Refinery Association
1580 Lincoln Street, Suite 410
Denver, CO 80203

Gentlemen:

Listed below are the pertinent geologic tops, and an evaluation of the porosities encountered. No drill stem tests were taken, but the hole was logged electrically before abandonment. This data included herein.

I arrived at the location at a depth of 2500'. Mr. Paul Gerlach had witnessed the drilling of the Stalnaker Sand section before my arrival. Samples were examined from 1500 - 3250TD.

Enclosed herewith is a copy of the plotted drilling time log which also includes lithology, tops, tests and other pertinent data.

ELECTRIC LOG TOPS

ELEVATION	1168 KB
STALNAKER SAND	2260 (-1092)
2260-2384	Sandstone, gray to clear, fine grained, mostly calcareous, some argillaceous. Good porosity, no show.
HOGSHOOTER LIME	2652 (-1484)
LAYTON "A" SAND	2666 (-1498)
2666-2671	Sandstone, very fine, white and tan, very calcareous, very poor porosity. No show, no odor.

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LAYTON "B" ZONE	2682 (-1514)
2682-2694	Sandstone, fine, light gray to white clustered, soft, friable, calcareous, poor porosity, no show, no odor.
KANSAS CITY	2694 (-1526)
CHEROKEE SHALE	3090 (-1922)
BARTLESVILLE SAND	3158 (-1990)
3158-3162	Sandstone, medium grained, clustered, clean, calcareous. Poor porosity, no show.
PENNSYLVANIAN CONGLOMERATE	3184 (-2016)
MISSISSIPPIAN CHERT	3204 (-2036)
MISSISSIPPIAN LIMESTONE	3234 (-2066)
TOTAL DEPTH	3250 Rotary & E. Log

Conclusions and Recommendations

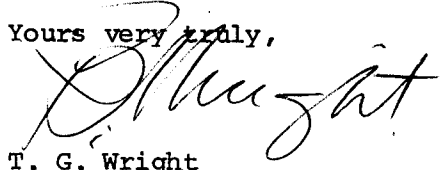
Structurally the subject test appears normal with relation to other holes in the area, being structurally lower than the producing area to the west and northwest which is faulted on the east side and the #1 Wenrich is located on the down-thrown side.

The Layton Sand section is not sufficiently developed to expect hydrocarbon trapping and is somewhat lower structurally than a relatively recent dry hole drilled, cased and tested in C N/2 N/2 NW/4 Sec. 25-32S-2E and yielded only water in the Layton.

The Bartlesville Sand is very poorly developed, another potential producing horizon with production to the east in this area.

As no "shows of oil" were observed, it was recommended that this well be plugged as a dry hole.

Yours very truly,


T. G. Wright

TGW:wlf

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