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T. G. WRIGHT DONATION

1995

November 8, 1971

GEOLOGICAL WELL REPORT

Donald T. Ingling, et al

#1 Touse, SE SE SW Section 20-

T22S, R9W, Reno County,

Wildcat.

Contractor: H-30, Inc.

Spud: October 27, 1971

8 5/8" Surface Casing @ 244'

Completed as dry hole: November 4, 1971

Total Depth: 3775'

Mr. Donald T. Ingling  
615 First National Bank Bldg.  
Wichita, Kansas 67202

Dear Sir:

Listed below are the pertinent geological tops, an evaluation of the porosities encountered below the top of Lansing, and a record of all tests made at the captioned well.

I arrived at the location at a depth of 3410 and witnessed the drilling from that point to T.D. 3775', after having checked the Lansing top the previous evening. Samples were examined from 2950' to T.D. 3775. The hole was not logged electrically before being abandoned.

Enclosed herewith is a copy of the plotted drilling time log from 2900-3775' T.D. which also includes lithology, porous zones, tests and other pertinent data.

SAMPLE TOPS

ELEVATION	1726 KB
HEEBNER	2962 (-1236)
BROWN LIME	3115 (-1389)
LANSING-KANSAS CITY	3140 (-1414)

3192-96 Limestone, tan, fossiliferous, scattered poor porosity with trace of dark oil staining.

3240-50 Limestone, tan, fine to coarsely oolitic, good porosity, no show.

3293-99 Limestone, tan, coarsely oolitic. Good porosity, no show.

3370-74 Limestone, white, fossiliferous, good porosity, no show.

BASAL PENNSYLVANIAN  
CHERTY CONGLOMERATE 3466 (-1740)

3466-79 Chert, amber, vitreous to white and tan tripolitic, well stained with dark oil, some free oil, fair to good porosity, faint odor.

DRILL STEM TEST #1 3460-85,

Tool open 30 minutes, good blow throughout, gas to surface in 14 minutes, too small to measure. Shut in 30 minutes. Tool open 30 minutes, good blow of gas throughout, too small volume to measure, shut in 30 minutes. Recovered 60 feet of frothy gas cut mud, no evidence of water.

IFP 18#, FFP 36#, IBHP 959#/30 mins. FBHP 841#/30 mins.

KINDERHOOK SHALE 3507 (-1781)

MAQUOKETA 3638 (-1912)

VIOLA 3660 (-1934)

No well developed porosities observed and no show of oil or gas.

SIMPSON SHALE 3752 (-2026)

SIMPSON SAND 3757 (-2031)

3757-68 Sandstone, clean, medium coarse, rounded to angular re-crystallized, clustered loosely cemented to tightly lime-cemented. Good porosity, no show of oil or gas.

TOTAL DEPTH: 3775'

### Conclusions and Recommendations

The subject well checked favorably structurally at the top of the Lansing when compared to other tests in the locality. At -1414' on the top of the Lansing this well is higher by as much as 40 feet than any test in the immediate area with the exception of a dry hole along the South line of Section 17, one mile north. In the case this #1 Touse is 13 feet lower. However, this could be expected since the #1 Touse is down the regional dip from the well in Section 17. The favorable structural position was maintained to the top of the Pennsylvanian Conglomerate where we tested a "show of gas". From this point downward the intervals thickened until at the top of the Simpson the #1 Touse checks very normally with dry holes in the area, being 8 feet lower than a dry hole 3/4 mile southwest, 11 feet lower than a dry hole 3/4 mile northwest, 28 feet lower than a dry hole one mile north, and 4 feet higher than a dry hole 1/2 mile east. No shows were observed in a well developed Simpson Sand due to the normal structural position of the test.

No Misener Sand was encountered in this well. It's normal position would have been at the top of the Maquoketa.

The Viola structural relationship to the northeast producing limits of The Peace Creek Pool, slightly more than 1 mile southwest, are favorable structure-wise but the dolomite reservoir of The Peace Creek Pool was not developed, consequently no accumulation of oil. This is probably due to truncation of the Viola "pay" since the #1 Touse had only a total of 92 feet of Viola against a normal 120 - 125 feet of Viola within the Zenith-Peace Creek producing area.

Since all "shows" were tested negatively and considering the normal structure of the test, it was recommended that the well be abandoned as a dry hole.

Yours very truly,

T. G. Wright

TGW:wlr

BIT RECORD

Smith	DTT	(Retip)	245-1350
Smith	S1	(Retip)	1350-1581
Smith	V2	(Retip)	1581-1865
Smith	DGT		1865-2740
Smith	DGT		2740-2926
Reed	FBCT	(Rerun)	2926-3713
Smith	YSL		3713-T.D. 3775

DRILLING PROGRESS

10-27-71	Spud
10-28	246
10-29	1560
10-30	2475
10-31	2926
11-1	3282
11-2	3485
11-3	3631
11-4	3775 T.D. D&A