

3-175-24W

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712 OIL CAPITAL BLDG.  
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AMHURST 7-4474

January 12, 1959

Barnett Oil Company  
411 1st Nat'l Bank Bldg.  
Wichita, Kansas

Re: #1 Stutzman  
NE NE SW 3-17-24  
Ness County, Kansas

**OWLL**

Gentlemen:

The following is my geological report of the above captioned test. I made one trip to the location on December 17 to check the top of the Lansing. I returned to the location December 21. I witnessed the drilling from 4270 to total depth.

Elevation

2451 Kelly Bushing

Formation Tops

<u>Formation</u>	<u>Sample</u>	<u>Log</u>
Heebner	3781 (-1330)	3781 (-1330)
Toronto	3798 (-1347)	3802 (-1351)
Lansing	3823 (-1372)	3824 (-1373)
Base Kansas City	4117 (-1666)	4118 (-1667)
Fort Scott	4823 (-1872)	4324 (-1873)
Weathered Mississippian	4392 (-1945)	4397 (-1946)
Mississippian Chert	4410 (-1959)	4408 (-1957)
Mississippian Dolomite	4436 (-1985)	4437 (-1985)

Samples were examined from 3700 feet to total depth and all samples were examined for fluorescence. The following porous zones noted with all of those below the Kansas City carrying oil staining.

Lansing-Kansas City

3583 - 3590	Fossiliferous to oolitic, No show
3932 - 3946	Oolitic No show
4040 - 4046	Oolitic No show

Fort Scott

4328 - 4333  
Scattered pinpoint and inter-crystalline porosity with light stain and show of free oil

No Cherokee Sand

Mississippian  
4396 - 4436

White-tan tripolitic chert with good porosity, pinpoint-vugular, carried free oil and good saturation, good fluorescence. Also had yellow devitrified chert and and maroon and gray-green shale.

4486 - 4457

Tan finely crystalline dolomite with good pinpoint porosity, no shows.

Drill Stem Test  
#1 4390 - 4416

Open 60" weak blow 3 min. then died. Recovered 10' Rotary mud with few spots oil, BHP #40 in 30 min.

Table I

	Stutzman 3-17-24W	Horchem 2-17-24W	Amstutz 10-17-24W	Vermillion 6-17-24W	Aldrich NE 23-17-25W
Lansing	-1330	-1335	-1346	-1398	(-1310) (-1340)
Mississippian	-1959	-1977	-2014	-2015	(-1906) (-1936)

Conclusions

As can be seen in Table I this test ran slightly higher than the recent dry hole but was considerably lower than the wells in the Aldrich NE pool. The negative results of the drill stem test that covered the entire weathered zone and the top 6 feet of the chert were confirmed by the log. Porosity varied from 18-23% throughout this interval but water saturation was calculated between 65 and 100%.

With the negative drill stem test and the high water saturation from log calculations I recommended that this test be plugged and abandoned. Permission to abandon was obtained from Petro-Atlas, Inc.

Respectfully submitted,

*James G. Gould*  
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