

19-26S-12W

WAYNE E. WALCHER

Geologist

CENTRAL BUILDING
WICHITA, KANSAS

Sept. 15, 1955

WELL REPORT

John W. Mcknab No. 1 Hoener SW SW SW
19-26-12W, Pratt County, Kansas

Zero-----kelly bushing, 3' above derrick floor
Elev. 1931 " "

OWELL

Heebner	3534	(-1603)
Toronto	3548	
Douglas Fm.	3566	
" Sand	3600-3636	
Brown Lime	3700	(-1769)
Lansing	3725	(-1794)

Sand, light gray, fine-grained, micaceous, moderately porous, no staining.

Stain 3757-3769

Lime, medium cryst., scattered vugs and crevice type porosity, spotted very light stains. No odor nor show free oil.

Stain 3778-3787

Lime, white to cream, chalky sucrose, poor porosity, trace very light spotted stain. No odor.

Soft 3834-3843

Lime, cryst. and vugular porosity, no stain or odor.

Stain 3881-3883

Lime, fair to good oolitic porosity, fair stain and show free oil. No odor.

Soft 3894-3900

Lime, white, sub-oolitic, chalky, poor porosity, trace residual stain.

Stain 3912-3920

Lime, buff, finely sucrose and pin-hole porosity, very light spotted stain. No odor.

Stain 3928-3934

Lime, white, poorly developed finely oolitic porosity, rare pieces show spotted stains. Trace heavy free oil, faint odor.

Soft 3950-3953

Lime, white, chalky and semi-oolitic poor porosity, no stain.

Soft 3970-3973

Lime, white, sucrose-chalky, poor porosity, trace residual stain.

Base K. C. 4046

Mississippian	4131	(-2200)	
	4131-4138		Chert, buff-white, opaque to cloudy-translucent.
Kinderhook	4138	(-2207)	
	4138-4163		Shale, green-gray, smooth, glossy with minor amounts chert and dark gray dense lime.
Viola	4163	(-2232)	
	4163-4171		Chert, gray-white, vitreous, opaque to translucent.
Stain	4171-4212		Chert, semi-tripolitic with stained surfaces and considerable sponge-textured porosity. Wet samples break some free oil and gas.
DST #1	4170-4190		Good blow, open 1½ hours, recovered 950 ⁺ gas in pipe and 100 ⁺ gassy mud, very slightly oil cut. Zero BHP in 20 minutes.
DST #2	4190-4215		Weak to moderate blow, open 1 hour, recovered 120 ⁺ gas cut mud with few oil specks and 30 ⁺ salty water. IF 30#, FF 75#, BHP 900#/20 min.
Simpson	4212	(-2281)	
	4212-4219		Shale, gray-green, clay.
	4219-4227		Sand, fine-grained, shaly and dolomitic, non-porous, no shows.
	4227-4239		Dolomite, yellowish-gray, irregularly cryst., sand studded, non-porous, no stain.
	4239-4242		Shale, green.
Soft	4242-4253		Sand, very fine-grained, well sorted, tight, no odor nor show free oil. Upon drying samples were slightly discolored.
	4253-4318		Shale, green.
Arbuckle	4318	(-2387)	
	4318-4322		Dolomite, tan-gray, very fine cryst. non-porous, no stain.
Stain	4322-4328		Dolomite, light gray, medium-fine cryst., scattered pieces show trace porosity very light stain, no free oil.

	4328-4345	Dolomite, light gray, medium cryst., compact, cherty, interlocking cryst. faces, non-porous.
Stain	4345-4351	Dolomite, buff-gray, in part coarse cryst., only rare pieces show moderate inter-cryst. and vugular porosity, very light stain. No free oil - but taste oil.
	4351-4362	Dolomite, tan, medium-cryst., cherty, non-porous.
Stain	4362-4367	Dolomite, as above but several pieces show some cryst. and vugular porosity, very light spotted stain. No definite odor but oil taste in wet samples. No free oil.
	4367-4380	Dolomite, white, quite cherty, some fair cryst. and vugular porosity in streaks - considerable part barren.
Rotary TD	4380	Ran Schlumberger to 4380 and cemented 5½" casing 4378.

On top of the Lansing at -1794, this test is essentially level with your two Gobin wells and #1 Keller, one-half mile west. It is 6 ft. lower than #2 Keller.

The Arbuckle at -2387 is three feet higher than #2 Keller which is the highest of your four producing wells to the west. It is 16 ft. higher than an ex-producer one-fourth mile south and 28 ft. higher than a dry-hole one-half mile east.

None of the drill stem tests were really favorable. However, since the well is structurally high and some evidence of staining is present in the Arbuckle, it was felt that casing should be run to test.

It is recommended the following zones be tested:

Arbuckle	4345-51 and 4322-28
Viola	4171-4200
Lansing	3881-83

Wayne E. Walcher
Wayne E. Walcher

WEW:bj1

DST #3 4338-4348 Open 1 hour, recovered 30' Gas Cut Mud with Few Oil Spots, BHP 105#/ in 30 Min.