EDWARD A. KOESTER
PETROLEUM GEOLOGIST
302 ORPHEUM BUILDING
WICHITA, KANSAS

January 10, 1949

Re: No. Campbell
SWc 19-8-19W
Rooks County, Kansas

Sam K. Pack, et al
257 North Ridgewood Drive
Wichita, Kansas

Gentlemen:

Important geological tops on the above well are as follows:

Topeka lime	2996 feet	(-959)
Heebner shale	3214 feet	(-1177)
Lansing - Kansas City lime	3252 feet	(-1215)
Base Kansas City lime	3478 feet	(-1441)
Conglomerate	3512 feet	(-1475)
Arbuckle	3516 feet	(-1479)
Total Depth	3537 feet	(-1500)
Elevation	2037 feet	

There were no commercial shows of oil or gas in this well at any depth, and none of the shows were sufficiently good to warrant a drill stem test. On each of the critical formations this well was regionally unfavorable and lower than most of the dry holes near by. The Arbuckle encountered immediately below the Conglomerate was similar to that found in many near-by wells, and carried spotted saturation similar to them. Porosity, however, was poor. The sandy dolomite found in this well below 3527 feet was tentatively correlated as of Bonneterre age.

Light spotted stain in vuggy porosity occurred at 3234 - 3238 feet in the equivalent of the Dodge lime of the Fairport Field.

Several porous zones in the Lansing-Kansas City sequence were found, and some of these were circulated. These zones occurred at the customary interval, but in each case were relatively poorly developed and impervious. None of them carried free oil in the wet sample, and only the latter one carried an odor. They were found at the following depths:

3252 - 3258 feet
3290 - 3296 feet
3313 - 3317 feet
3335 - 3340 feet

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3344 - 3348 feet
3387 - 3391 feet
3450 - 3452 feet

At 3499 - 3507 feet occurred a sucrose, finely granular dolomitic and calcareous siltstone with a trace of in-points of oil in the wet sample and no odor in the upper three feet. The lower five feet of this siltstone carried no stain and no free oil in the wet sample. This zone apparently correlated with a similar zone found in No. 1 Talley in Sec. 18-8-19W, one mile north of this well, which was reported as a sandstone. It probably also correlates with a Pennsylvanian sandy limestone that is productive in a few wells in the Ray Pool of Phillips County. In this well there was practically no permeability in this zone.

The Conglomerate consisted largely of amber chert which was partly oolitic. It carried a trace of heavy oil.

The Arbuckle dolomite from 3516 - 3527 feet was predominately a granular buff dolomite with some poor spotted stain, light odor, and a little free oil in the wet sample. Below 3521 feet there was less saturation and better porosity. The sandy dolomite commencing at 3527 feet carried no stain. It has been recommended that this well be plugged and abandoned.

Yours very truly,

Edward A. Koester

Edward A. Koester
Petroleum Geologist

EAK:mzm

Campbell #1 SW SW SW of 19-8-19 Rooks County, Kansas
Lease Owner - Sam Pack
Drilling Contractor - Braden & Greene Drilling Company
Test Started - December 27, 1948
Test Completed - January 9, 1949

* *

surface		8	
Clay & Shale		170	
Shale [illegible]		605	
Gray Sand		640	
Shale & Shells		1050	
Sand	1265	[illegible]	
Red Rock & Shale		1395	
Sand		1420	
Sahel & Shells		1540	
Shale		1550	
Anhydrite		1586	
Shale & Shells		1770	
Shale & Shells		2080	
Shale		2130	
Shale & Shells		2455	
Shale & Lime		3035	195' of 8-5/8" surface pipe
Lime & Chert		3105	
Lime & Shale		3155	
Lime & Shale		3205	
Lime		3255	
Lime & Shale		3300	
Lime		3340	
Shale & Sand		3425	
Shale		3510	
Conglomerate		3512	
Arbuckle		3537 TD	

STATE OF KANSAS)
)SS:
COUNTY OF RENO)

I hereby certify that the above information is true and correct to the best of my knowledge.

G. L. Greene

Subscribed and sworn to before me this 10th day of January, 1949.

M. L. Burkett
Notary Public

My Commission Expires: April 2, 1949

Time Log

Sam K. Pack, et al, No. 1 Campbell, SWc 19-8-19W, Rooks County, Kansas

From - To	Time	Remarks
2950 - 2960	5-5-7-7-6-6-9-7-8-6	Vis. 35 Wt. 10.3
2970	6-7-5-4-2-4-4-6-7-6	
2980	5-3-4-4-5-4-5-6-6-5	
2990	6-7-7-7-8-5-5-6-4-5	Vis. 36 Wt. 10.5
3000	5-4-6-5-5-5-6-6-7-6	Vis. 35 Wt. 10.4
3000 - 3010	5-4-6-5-5-6-8-9-6-6	
3020	8-7-7-6-5-5-7-6-7-7	
3030	8-9-6-5-7-7-8-8-5-5	Vis. 36 Wt. 10.5
3040	6-5-6-6-5-2-2-2-3-2	Trip 2 - HM @ 3034'
3050	3-4-6-4-5-6-7-6-7-7	
3060	7-5-5-4-4-4-3-3-4-5	
3070	4-4-3-3-4-4-6-7-7-6	
3080	5-5-2-2-1-2-2-2-3-4	
3090	3-5-7-7-5-4-4-4-4-4	
3100	4-3-2-2-2-3-3-4-4-8	
3100 - 3110	8-6-4-5-6-5-5-5-3-3	
3120	5-5-4-4-7-10-6-7-4-6	Vis. 37 Wt. 10.2
3130	6-7-9-9-7-10-5-5-4-9	Vis. 37 Wt. 10.4
3140	6-8-7-8-5-5-7-10-11-10	
3150	10-9-10-8-9-9-7-8-14-14	
3160	11-14-10-12-6-16-8-8-8-6	Vis. 38 Wt. 10.5 Trip - OWC @ 3156'
3170	7-4-2-1-2-2-2-3-5-6	Rough @ 3162' No odor @ 3169'
3180	5-6-8-9-9-10-8-8-7-8	Vis. 38 Wt. 10.5
3190	10-9-10-6-5-6-6-7-5-6	Vis. 39 Wt. 10.5
3200	6-4-4-3-3-5-6-4-5-5	Vis. 38 Wt. 10.5
3200 - 3210	4-5-6-7-8-8-11-8-12-12	
3220	11-11-12-9-7-6-8-9-11-11	
3230	13-13-11-11-12-8-8-10-9-7	
3240	10-10-7-9-7-5-7-5-11-10	OWC in @ 3156'
3250	14-11-13-11-13-14-7-9-11-11	Vis. 41 Wt. 10.5
3260	10-12-6-9-9-7-6-6-9-8	
3270	6-6-8-8-8-12-9-10-11-12	
3280	9-11-8-9-7-10-12-13-9-15	Vis. 38 Wt. 10.7
3290	11-9-8-10-8-7-6-7-7-7	
3300	6-7-5-7-6-6-10-10-10-12	Vis. 37 Wt. 10.8
3300 - 3310	16-14-9-9-9-8-9-10-11-12	Vis. 37 Wt. 10.7
3320	13-10-10-6-4-4-7-13-11-10	Slightly rough @ 3314'
3330	9-12-12-11-14-13-10-10-13-14	Vis. 38 Wt. 10.7
3340	10-9-14-12-11-1-2-4-6-3	Vis. 37 Wt. 10.7 Circ.: Trip OWC @ 3333'
3350	6-9-8-4-2-2-2-3-5-3	Circ. 1 Hr. & 10 Min. @ 3348' -- No odor

From - To	Time	Remarks
3360	4-4-5-3-3-4-6-6-7-7	Vis. 38 Wt. 10.7
3370	8-7-8-7-8-7-8-9-8-7	
3380	7-7-7-7-5-5-9-7-6-4	Vis. 37 Wt. 10.6
3390	5-4-7-6-7-8-7-4-4-4	Vis. 37 Wt. 10.6
3400	4-6-7-8-11-9-10-10-9-11	
3400 - 3410	9-7-10-9-10-7-7-6-5-7	Vis. 38 Wt. 10.7
3420	12-11-14-10-11-12-13-11-9-10	
3430	12-13-11-9-8-11-9-8-11-13	Vis. 38 Wt. 10.8
3440	10-14-10-12-11-11-11-10-6-9	
3450	10-12-10-12-10-11-7-13-14-10	Vis. 38 Wt. 10.7
3460	6-7-10-11-12-12-12-11-13-14	
3470	14-11-11-13-12-13-10-11-10-11	Vis. 37+ Wt. 10.8
3480	13-13-14-14-15-20-12-15-6-5	
3490	6-7-6-6-7-8-8-9-11-10	
3500	12-13-15-13-16-17-14-12-9-7	
3500 - 3510	5-6-5-6-5-6-5-7-11-10	Cir. 1 hr. & 12 Min. @ 3502'
		Cir. 1 hr. & 13 Min. @ 3506'
3520	14-11-9-7-8-12-5-11-7-10	
3530	8-12-13-11-12-9-10-6-8-9	Vis. 39 Wt. 10.9
3537	7-10-4-13-12-8-9	

Total Depth 3537'