

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

December 13, 1948

Re: No. 1 Griebble  
NE NW 8-7-19W  
Rooks County, Kansas

*Handwritten:*  
2970 - 3460  
Index 14838

Sam Pack & Braden-Greene Drilling Co.  
257 North Ridgewood Drive  
Wichita, Kansas

Gentlemen:

Important geological tops on this well are as follows:

Topeka lime	2930 feet est.	( -946)
Heebner shale	3152 feet	(-1166)
Lansing	3187 feet	(-1203)
Base Kansas City lime	3400 feet	(-1416)
Arbuckle dolomite	3442 feet	(-1458)
Total Depth	3460 feet	(-1476)
Elevation	1984 feet	

The above depths are taken on the rotary bushing and should be reduced two feet to the derrick floor. A finely granular porous lime at 2974 - 78 feet carried no stain. Dead watery stain and a slight odor occurred in wormy porosity at 3118 - 3122 feet.

Fair spotted saturation was found in finely granular, oolitic porosity at 3131 - 35 feet. This is a typical Topeka lime show in the character of the porosity and saturation. It is believed that, in as much as casing is being run on this test, that it would be worth while to perforate this zone before abandonment of the well. No show of oil was found in the Dodge lime in this well.

No shows of oil and gas of commercial significance were found in beds of Lansing-Kansas City age. Slight stain in poor, oolitic porosity occurred at 3230 - 32 feet, and a similar zone at 3246 - 48 feet. Scattered streaks of porosity and spotted stain occurred in the interval from 3264 - 3273 feet in the equivalent of the 90 feet break. A little fair saturation with a slight odor occurred in the 100 foot zone at 3277 - 3283 feet. Some vuggy porosity with only a trace of stain occurred at 3339 - 3342 feet.

Sam Pack & Braden-Greene Drilling Co.

Dec. 13, 1948

No Conglomerate occurred in this well. The Arbuckle dolomite section may be described as follows:

- 3442 - 3445' brown, compact, finely crystalline, pyritic dolomite.
- 3445 - 3450' white and buff finely sucrose, sandy dolomite, and pale green shale with a trace of free oil in the dolomite.
- 3450 - 3451' same, with less shaley and a little free oil wet.
- 3451 - 3452' gray, compact pyritic dolomite.
- 3452 - 3455' medium crystalline, sandy glauconitic dolomite with fair porosity and dark stain -- a little free oil wet and light odor.
- 3455 - 3460' same, with good odor, better porosity, and much free oil wet.

It has been recommended that casing be set 10 feet off bottom on this well to test out the favorable showings found therein.

Yours very truly,



Edward A. Koester  
Petroleum Geologist

EAK:mzm

Time Log

Sam Pack & Braden - Greene Drilling Co., No. 1 Orieble NE NW 8-7-19W, Rooks County, Kansas

From - To	Time	Remarks
2950 - 2960	5-6-5-1-5-1-5-6-6-5	Vis. 36 Wt. 10.3
2970	7-5-5-5-5-6-5-2-3-3	
2980	1-5-1-1-1-1-1-1-3-3	
2990	6-7-10-7-1-7-7-5-1-3	
3000	3-3-1-1-3-1-5-1-5-5	
3000 - 3010	3-3-1-1-1-6-8-8-8-7	
3020	6-6-6-7-8-8-7-7-7-9	
3030	9-9-5-6-6-5-5-5-7-6	Vis. 36 Wt. 10.3
3040	7-7-5-7-8-8-8-10-8-7	
3050	8-6-1-1-5-5-5-5-1-1	Vis. 36 Wt. 10.4
3060	3-1-3-1-1-7-5-6-8-7	
3070	6-5-7-6-1-1-3-3-3-5	
3080	5-7-8-8-8-11-10-7-7-8	
3090	8-8-7-5-6-9-11-10-11-10	
3100	9-5-7-10-11-5-3-3-3-3	
3100 - 3110	2-3-1-1-10-7-7-7-8-7	Trip on Bot. with G.P.M. @ 3105'
3120	7-6-7-6-5-6-5-1-1-1	Vis. 35 Wt. 10.2
3130	1-3-5-5-7-8-9-9-8-7	Odor @ 3130'
3140	7-5-1-5-1-6-8-8-12-7	Odor @ 3135' & 3140'
3150	8-8-8-8-8-6-5-7-8-9	
3160	8-6-5-5-8-8-8-10-8-10	Vis. 36 Wt. 10.2
3170	11-9-7-5-6-6-7-8-5-5	
3180	5-1-1-5-5-7-9-13-10-7	Vis. 35 Wt. 10.4
3190	9-8-12-9-9-7-10-6-1-1	
3200	1-5-1-5-7-7-7-5-5-5	
3200 - 3210	7-5-6-5-5-6-9-6-8-9	
3220	7-8-7-8-8-8-9-10-10-9	Vis. 35 Wt. 10.4
3230	9-10-11-10-9-8-10-10-10-7	Vis. 36 Wt. 10.4
3240	1-1-7-7-8-9-10-10-10-10	
3250	10-10-9-11-12-9-6-8-12-17	Vis. 38 Wt. 10.6
3260	8-6-11-9-10-9-9-9-10	
3270	10-10-5-5-5-5-5-5-1	Trip @ 3263'
3280	5-5-5-10-9-8-7-5-5-5	Odor @ 3275'
3290	1-2-1-8-6-7-7-7-8-10	Vis. 37 Wt. 10.54
3300	6-0-6-8-7-7-8-9-8-7	Correction - 3291 equals 3292 - no time
3300 - 3310	7-0-8-7-5-5-8-6-6-6	
3320	8-6-6-6-7-6-8-7-7-9	Vis. 36 1/2 Wt. 10.5
3330	6-7-5-6-9-9-12-10-12-12	
3340	13-9-8-8-9-7-7-9-6-1	Vis. 36 Wt. 10.4
3350	1-5-8-8-8-9-9-9-11	
3360	10-8-8-7-9-9-9-10-6-10	
3370	10-8-7-11-11-11-12-10-9-9	
3380	8-10-10-11-11-9-8-9-11-11	Vis. 36 Wt. 10.5
3390	9-7-8-10-9-8-10-10-11-12	
3400	9-9-11-11-11-10-10-9-9-9	

<u>From - To</u>	<u>Time</u>	<u>Remarks</u>
3400 - 3410	7-6-4-3-4-4-5-5-5-5	
3420	4-4-6-8-4-4-4-4-6-11	
3430	13-11-13-12-12-11-9-11-9-10	Vis. 37 Wt. 10.7
3440	11-15-10-10-8-8-12-13-10-6	
3450	9-9-7-6-5-2-5-16-18-14	Cir. 1 hr & 47 min. @ 3445'
3460	5-12-9-7-8-3-5-5-5-5	Vis. 38 Wt. 10.6 Circulate @ 3455' Vis. 37 Wt. 10.4 Circulate @ 3460'