

M.M. VALERIUS, GEOLOGIST, EXAMINATION AND VALUATION OF OIL PROPERTIES
V.H. MCNUTT, GEOLOGIST, PETROLEUM AND METALLIC EXAMINATIONS
C.R. FORBES, E.M. COAL AND METAL MINING PROBLEMS
J.C. INGRAM, CHEMIST, CHEMICAL ANALYSES
V.H. HUGHES, E.M. GEOLOGIST, PETROLEUM AND METALLIC EXAMINATIONS
H.T. MANN, E.M. METALLURGY AND TREATMENT OF ORES

VALERIUS, MCNUTT & HUGHES

PETROLEUM AND MINING GEOLOGISTS

OFFICES

TULSA, OKLA. BILLINGS, MONT.

Tulsa, Oklahoma.

March 3, 1917.

Sperry Oil & Gas Company,

Tulsa, Oklahoma.

Attention Mr. Andrews.

Gentlemen:

Log Well #1 Rappard Farm. SE Corner of
North half of NE $\frac{1}{4}$ Section 31 Twp. 14S R. 19E.

From	16 ft.	to	160 ft.	Blue shale.	144
"	160 ft.	to	168 ft.	lime-water.	8
"	168 ft.	to	280 ft.	shale-light.	112
"	280 ft.	to	350 ft.	lime, white.	70
"	350 ft.	to	430 ft.	shale, light.	10
"	430 ft.	to	480 ft.	lime, white.	50
"	480 ft.	to	580 ft.	Dark shale and lime shell, no water.	105
"	580 ft.	to	595 ft.	White shale and 595 ft. 8 $\frac{1}{4}$ casg.	15
"	595 ft.	to	665 ft.	lime.	
"	665 ft.	to	700 ft.	Dark shale.	70
"	700 ft.	to	715 ft.	sandy shale-water-Enough to drill cave.	15
"	715 ft.	to	850 ft.	shale, light (850-6 $\frac{1}{4}$ casg.)	135
"	850 ft.	to	860 ft.	lime, brown.	10
"	860 ft.	to	880 ft.	Broken sand, show of gas, cave.	20
"	880 ft.	to	890 ft.	White shale.	10
"	890 ft.	to	1020 ft.	Lime shells and Dark shale.	130
"	1020 ft.	to	1070 ft.	Light pencil shale (Cave from 1025 to 1060) No Water.	50

Well west of Baldwin, KS

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Fishing job, tools in hole with 100 feet
cavings over them. 1200 feet casing ordered. Shipped
from Chanute today. Will set casing and fish for
tools. They are about 40 feet off first sand in
Cherokee Shales.

We would be pleased to have a copy of your
well record now being drilled ^{near} Centropolis, Kansas.

Very truly yours,

VALERIUS, MCNUTT & HUGHES.

Per M.M. Valerius

get Record of
Crew well
&
send above
Party