

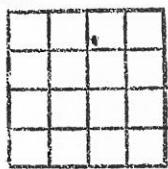
WELL LOG BUREAU--KANSAS GEOLOGICAL SOCIETY

508 East Murdock,

Wichita, Kansas

Company- F. A. OSTENBERG
Farm- Newman

No. 1

SEC. 35 T. 15 R. 4W
Approx. SW NW NE
120' frm WL, 180' frm SL of
NW $\frac{1}{4}$ NE $\frac{1}{4}$ County Saline
KANSASTotal Depth. 3423
Comm. 10-12-51 Comp. 10-22-51
Shot or Treated.
Contractor. Mallard Drilg Co.
Issued. 3-26-55CASING:
8 5/8" 367'
4 1/2" 3420 $\frac{1}{2}$ " cemented

Elevation. 1308 D.F.

Production. I. P. P. 101 BO
79% waterNO. LOG

Figures Indicate Bottom of Formations.

Tops:

Mississippi Lime 2922
Kinderhook shale 3200
Misener sand 3340
Hunton 3343
Maquoketa shale 3358
Maquoketa dolomite 3420

The #1 Newman was drilled with rotary tools to 3423'. T.D.. Ten-foot samples were saved from 2800' to 3300' & five-foot samples from 3300' to T.D. One-foot drilling time was recorded from 2800' to T.D. All samples were examined with a microscope & drilg was observed from approximately 3350' to T.D.

FORMATION TOPS, OIL SHOWINGS & RELATED DATA.

Included below are descriptions of all porous, oil-stained or otherwise significant lithologic zones. All measurement are based on the top of the Rotary Bushing.

Formation Tops & Notable Zones
(*Denotes oil staining)

"MISSISSIPPI LIME" 2922 (-1612)

Wht to rgry & buff med. to fine sucrose dolo, fair to good poro.
in part

2925-37

Lgt gry & wht med. sucrose dolo, slight to fair porosity in part;
streaks wht & gry med. sucrose to coarsely xyln crinoidal tight
lime

2937-47

Lgt gry to buff fine to med. sucrose dolo., fair to good vugular
porosity in part; some orange chert

2947-61

Wht to lgt gry chert, traces w/very slight pinpoint porosity;
strks lgt gry to crm finely sucrose dolomite

3095-3110

Brown med. granular dolo., traces slight to fair vug. porosity

3190-95

KINDERHOOK SHALE

3200 (-1890)

MISENER SAND

3340 (-2030)

Wht very pyritic coarse sand, tight to possible very slgt poro.

3340-43

HUNTON

3343 (-2033)

Gry to tan finely sucrose impure dolomite w/brown carbonaceous
partings, tight to very slightly porous

3343-48

Gry to tan & brown fine to med. xyln dolomite, traces slight
vugular porosity

3348-55

Crm-wht coarsely xyln dolomite, good vugular porosity

3355-58

MAQUOKETA SHALE

3358 (-2048)

MAQUOKETA DOLOMITE

3420 (-2110)

*Gry med. xyln slightly glauconitic dolo., numerous pieced w/fair
to good porosity & shows of free oil; gry fossiliferous chert,
few pieces with fair to good porosity & fair to good shows free
oil.

Circulate 1 hr 3423

3420-23

3423 (-2113)

5 $\frac{1}{2}$ " casing cemented @3420 $\frac{1}{2}$ (-2110 $\frac{1}{2}$)

No oil showings were noted in any of the porous zones logged above the Maquoketa Dolomite.