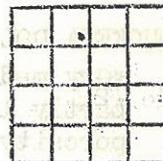


WELL LOG BUREAU--KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

Company- W. G. BRUNS
Farm- Dahlsten No. 2

SEC. 25 T. 15 R. 4W
CN/2 SE NE NW
330' fr. EL. 560' fr SL of
NE 1/4 NW 1/4
County Saline
KANSAS

Total Depth. 3422
Comm. 8-15-51 Comp. 8-24-51
Shot or Treated.
Contractor. Honaker Drilling Co.
Issued. 3-19-55



CASING:
8 5/8" 320'
5 1/2" 3419 1/2' cem.

Elevation. 1298 D.F.

Production. 75 BO / trace water

Figures indicate Bottom of Formations.

NO LOG

GEOLOGICAL REPORT

Tops: R.B.
Mississippi lime 2892
Kinderhook shale 3190
Misener Sand 3324
Hunton 3328
Maquoketa shale 3345
Maquoketa dolomite 3419

The #2 Dahlsten was drilled with rotary tools to 3422 T.D. 10-ft samples were saved from 2800 to 3300', & 5-ft samples from 3300' to T.D.. 1-ft drlg time was recorded from 2800' to T.D. All samples were examined w/microscope & drlg 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 measurements are based on the top of the Rotary Bushing.

Formation tops & Notable zones
(*Denotes oil staining)

Depth below
Surface

"MISSISSIPPI LIME"

2892 (-1592)

White coarsely xyln to chalky tight lime; some wht tra nslucent chert w/traces slightly pin-point porosity

2992-96

Gry to buff fine to med. xyln dolomite w/fair to good porosity

2896-2911

Crn to wht coarsley xyln crinoidal lime, traces dolo. w/slight to fair porosity

2911-19

Buff med. xyln dolomite w/good vugular porosity

2919-39

Ditto, & some lgt gry finely succrose dolo. w/fair to good vug.por.

2939-48

Gry to drk fry finely xyln argillaceous glauconitic dolo., tight to possibly slightly porous; gry devitrified chert

2948-69

Wht devitrified to tripolitic chert, occasional traces very slight pin-point porosity

3025-56

Buff finely succrose dolo., trace fair vugular porosity

3056-59

Wht & lgt gry fossiliferous tight chert; some buff finely succrose dolomite, possible very slight porosity

3072-77

Wht & lgt gry chert, some devitrified to tripolitic w/occasional traces very slight pin-point porosity; crn to lgt gry finely succrose dolomite with traces slight porosity

3080-3104

*?? Finely succrose to dense siliceous impure dolomite with scattered slight porosity & drk brown stain; some drk brown hard mineralized shale & gry tight chert w/external brown stain associated w/the dolo.

(Note; Stain does not appear to be oil stain; probably is mineral coloration or stain from something spilled on samples during or before drying)

3112-15

KINDERHOOK SHALE

3190 (-1890)

MISENER SAND

Wht med. to coarse grained pyritic & phosphatic sand, some w/possible slight porosity

3324 (-2024)

3324-28

HUNTON

Gry to brown med. granular dolo. w/brown carbonaceous partings, tight to very slightly porous

3328 (-2028)

3328-33

Wht & crn-wht med. to coarsely xyln dolo. w/good vugular porosity; wht opaque chert, traces slight to fair porosity

3333-41

(Over)

W. G. BRUNS
 No. 2 Dahlsten
 25-15-14W
 CN/2 SE NE NW

WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY
 Wichita, Kansas
 508 East Winlock

Depths below
 Surface

(continued)

Lgt gry & buff med. xynl dolomite, part tight, part w/fair to good vugular porosity; some greenish-gry med. xynl tight dolo., lgt gry & blue-gry mottled chert

3341-45

MAQUOKETA SHALE

3345 (-2045)

MAQUOKETA DOLOMITE

3419 (-2119)

*Gry med. xynl slightly glauconitic dolo. & lgt gry fossiliferous partly leached chert, considerable amount of each w/fair to good porosity & fair to good shows free oil

3419-22

Circ. 1 1/2 hrs 3422 T.D.

DRILL STEM TEST. 3420-3422, open 45 mins. strong blow throughout test: Rec. 163' oil, sltly mud cut & 2' muddy salt water: 15-min.

BHP 960#.

5 1/2" casing cemented @ 3419 1/2 (-2119 1/2)

TOTAL DEPTH

3322 (-2122)

(The following table contains mirrored text from the reverse side of the page, which is bleed-through from the original document. The text is largely illegible due to the quality of the scan and the nature of the bleed-through.)

Depth Interval	Description
3322 (-2122)	TOTAL DEPTH
3322-3323	MAQUOKETA DOLOMITE
3323-3324	MAQUOKETA SHALE
3324-3325	MAQUOKETA DOLOMITE
3325-3326	MAQUOKETA SHALE
3326-3327	MAQUOKETA DOLOMITE
3327-3328	MAQUOKETA SHALE
3328-3329	MAQUOKETA DOLOMITE
3329-3330	MAQUOKETA SHALE
3330-3331	MAQUOKETA DOLOMITE
3331-3332	MAQUOKETA SHALE
3332-3333	MAQUOKETA DOLOMITE
3333-3334	MAQUOKETA SHALE
3334-3335	MAQUOKETA DOLOMITE
3335-3336	MAQUOKETA SHALE
3336-3337	MAQUOKETA DOLOMITE
3337-3338	MAQUOKETA SHALE
3338-3339	MAQUOKETA DOLOMITE
3339-3340	MAQUOKETA SHALE
3340-3341	MAQUOKETA DOLOMITE
3341-3342	MAQUOKETA SHALE
3342-3343	MAQUOKETA DOLOMITE
3343-3344	MAQUOKETA SHALE
3344-3345	MAQUOKETA DOLOMITE
3345-3346	MAQUOKETA SHALE
3346-3347	MAQUOKETA DOLOMITE
3347-3348	MAQUOKETA SHALE
3348-3349	MAQUOKETA DOLOMITE
3349-3350	MAQUOKETA SHALE
3350-3351	MAQUOKETA DOLOMITE
3351-3352	MAQUOKETA SHALE
3352-3353	MAQUOKETA DOLOMITE
3353-3354	MAQUOKETA SHALE
3354-3355	MAQUOKETA DOLOMITE
3355-3356	MAQUOKETA SHALE
3356-3357	MAQUOKETA DOLOMITE
3357-3358	MAQUOKETA SHALE
3358-3359	MAQUOKETA DOLOMITE
3359-3360	MAQUOKETA SHALE
3360-3361	MAQUOKETA DOLOMITE
3361-3362	MAQUOKETA SHALE
3362-3363	MAQUOKETA DOLOMITE
3363-3364	MAQUOKETA SHALE
3364-3365	MAQUOKETA DOLOMITE
3365-3366	MAQUOKETA SHALE
3366-3367	MAQUOKETA DOLOMITE
3367-3368	MAQUOKETA SHALE
3368-3369	MAQUOKETA DOLOMITE
3369-3370	MAQUOKETA SHALE
3370-3371	MAQUOKETA DOLOMITE
3371-3372	MAQUOKETA SHALE
3372-3373	MAQUOKETA DOLOMITE
3373-3374	MAQUOKETA SHALE
3374-3375	MAQUOKETA DOLOMITE
3375-3376	MAQUOKETA SHALE
3376-3377	MAQUOKETA DOLOMITE
3377-3378	MAQUOKETA SHALE
3378-3379	MAQUOKETA DOLOMITE
3379-3380	MAQUOKETA SHALE
3380-3381	MAQUOKETA DOLOMITE
3381-3382	MAQUOKETA SHALE
3382-3383	MAQUOKETA DOLOMITE
3383-3384	MAQUOKETA SHALE
3384-3385	MAQUOKETA DOLOMITE
3385-3386	MAQUOKETA SHALE
3386-3387	MAQUOKETA DOLOMITE
3387-3388	MAQUOKETA SHALE
3388-3389	MAQUOKETA DOLOMITE
3389-3390	MAQUOKETA SHALE
3390-3391	MAQUOKETA DOLOMITE
3391-3392	MAQUOKETA SHALE
3392-3393	MAQUOKETA DOLOMITE
3393-3394	MAQUOKETA SHALE
3394-3395	MAQUOKETA DOLOMITE
3395-3396	MAQUOKETA SHALE
3396-3397	MAQUOKETA DOLOMITE
3397-3398	MAQUOKETA SHALE
3398-3399	MAQUOKETA DOLOMITE
3399-3400	MAQUOKETA SHALE