8-54

STATE Kansas

COMPANY Helmerich & Payne

COUNTY Sumner

FARM Detrich

WELL NO. 1

BLOCK

SURVEY

SEC. 11

T. 34 R. 4W

TOTAL DEPTH 4782'

Nw-Nw-NE

COMMENCED

COMPLETED

REMARKS

ALTITUDE 1209

PRODUCTION D&A

CASING RECORD

DST 4454-80/1hr.
H F Mdy slt. wtr.
BHP 1611#.
DST 4739-44/2hrs.
320' slt. wtr.

SHOT QUARTS BETWEEN

FORM 186 - In stock and for sale by Ross-Martin Co., Tulsa

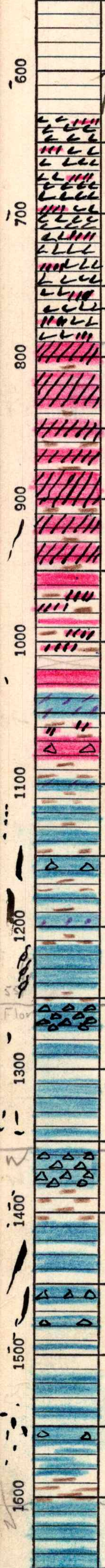
100 RBS

200

300

400

500



Samples Start @ 630'

halite casts in gray
anhydritic shale

90 **BASE SALT 790'**

gray anhydrite
interbedded with
red & gray shale

bf f xln selenitic dolo
r + g anhy sh.
" bf f xln dolo.

SKIP: 1010-20
bf to brn f xln silty dolo
gry bf f xln mottled dolo. ls
gry bf f xln dolo sl △y

gry bf f xln foss dolo ls
gry bf f xln foss
"
gry f xln foss sl △y
gry bf f foss
gry bf f gran dolo. ls

gry bf f xln foss tinely
oolicastic por. ls.

FLORENCE 1255

55 gry dull opq fusulinid △ in
gry f foss ls
gry bf f xln ls

"
crm gry bf f foss

gry fd foss **WREFORD**
55 gry bf f foss △y **1355**

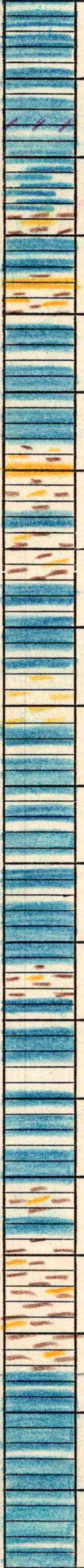
gry bf fd
crm gry fd foss
gry fd foss △y
gry fd foss sl △y
lt gry f foss

crm gry f foss por ls.
gry f foss

LTW FUSUL ZONE 1530

50 crm gry f foss ls - fusulinid
sl △y shaley in part

03 lt gry fd **NEVA 1603**
wh dse
crm gry fd



gry bt fd
gry fd foss

1700

crm gry f foss por ls
crm gry fd foss. por. & dolomitic in part
gry bt fd foss – fusulinids
shaley in part

r + g sh – gry fg subc micac sst

1800

gry fd foss
bt to brn fd
gry fg subc micac sst.
w/ r + g sh

gry bt fd

gry bt f foss

1900

crm gry fd foss
r + g sdy sh
gry fg subc micac sst.
"
gry bt fd foss

2000

"
bt to brn fd foss
"
"
gry sdy sh

2100

gry bt f foss
crm gry bt ff foss
gry bt fd foss
gry bt fd

2200

bt to brn fd foss
gry bt f foss

r + g sdy sh
gry bt f foss

2300

crm gry fd foss

gry f foss
"
gry bt fd foss

2400

r + g sdy sh
gry bt f

r + g sl sdy sh

2500

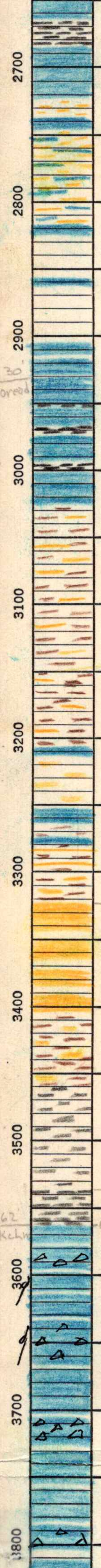
TOPEKA 2525

25
Top
25 bt to brn fd foss
crm lt gry fd foss

gry fd foss

2600

gry bt f foss
gry bt fd



dkgry to blksh
gry bf f foss

gry gritty micac sh
gry bf fd foss
gry sdy & limey sh-

bf to brn fd
gry micac sh
gry fd foss
gry micac sh.

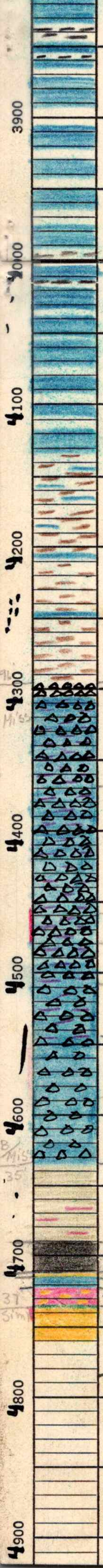
brn fd
bf to brn fd
crm f foss
dkgry sh
crm gry f foss
dkgry to blk sh
bf to brn f foss
dkgry to blk sh
crm f foss por ls-
r + g sh - sdy in part

gry bf f foss
gry sdy micac sh
gry brn f foss
"
gry fg subc micac sst
w/ r + g sh-
gry f to med gr subc
micac sst - shaley
in part-

r + g sl sdy sh-
dk gry sh-

dk gry to blk sh- **KC 3562**
gry bf f foss
crm gry fd foss sl oay
crm f foss sl oolic por.
gry bf fd
crm gry fd sl oay scat
oolic por.
crm gry bf fd foss

gry bf fd oay
gry bf fd
"
gry bf to brn fd sl oay
bf fd



dk gry to blk sh.

" bf to brn fd
brn fd foss

gry bf fd foss

crm gry bf fd foss

lt gry dse

gry bf fd

lt gry dse
dk gry sh

tan dse

dk gry to blk sh
bf to brn fd foss

gry bf fd

gry bf fd foss

gry fd

tan dsc

gry bf fd

r+g sh limey in streaks

bf to brn fd

gry fd

Miss 4296

-96 wh gry opq to sub opq residual △

gry bf f gran △y dolo. ls.

ls. is dse to med xln in part

spots blk stn in △.

ls t as above but less △y

gry bf f to med xln sl △y dolo. ls. sl. glauconitic.

ls. is c o xln in part

KHK. SH. 4635
CHATTANOOGA SH 4690
MISENER 4711

-35 green greenish-gray shale - dolomitic & spore bearing in part

-90 brownish-blk blocky spore

VIOLA 4713

11
13 gry med to co q subrnd phosphatic sst.
22 gry mott. co xln. ls.

SM 4722

-35- bf f to med xln sl sdy dolo.
grnsh or wh f to med gr. subr to rnd frosted sst. por. & spots faint stn. at top

Sple TD 4760'

T. D. 4782'