



**Geologist on well: A. Tobias L**

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**Shakespeare Oil Company, Inc.**

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**Stoecker** WELL No. **1-1**

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**FNL & 340' FWL**

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Twp. **24S** Rge. **23W**

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STATE **K**

**WELL-SITE GEOLOGIC**  
**and**  
**DRILLING REPORT**

**API # 15-083-21941-0000**

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MUD TYPE

1

Chart at bottom of Log

08/05  
Resp

A. To  
Shak

# Basic Lithologies

	Limestone		Shale
	Sandstone		Carbonaceous Shale
	Dolomite		Siltstone
	Chert		Anhydrite

RATE OF PENETRATION  
(Minutes per 10 cm)

**Carbon Show**  
or Residual Show  
Oil Show  
Oil Show  
Oil Show  
**abbreviation**

A graph with a grid background. Two vertical black bars are plotted. The top bar reaches the value 10 on the y-axis, and the bottom bar reaches the value 20.

The figure displays three vertical columns representing boreholes, each with a corresponding gamma-ray curve plotted against depth. The leftmost column shows a pink layer at the top, followed by a white layer with horizontal sedimentary structures. The middle column shows a white layer with horizontal sedimentary structures. The rightmost column shows a white layer with horizontal sedimentary structures. The gamma-ray curves (blue lines) show significant fluctuations, particularly in the upper sections of the boreholes. Numerical values are present on the right side of the plot area.

Layer	Borehole 1 (Thickness)	Borehole 2 (Thickness)	Borehole 3 (Thickness)
Pink Layer	~100	~100	~100
White Layer (Top)	~100	~100	~100
White Layer (Bottom)	~100	~100	~100

Values on the right side:

- Top: 20, 30, 40, 50
- Middle: 3800, 10, 20, 30, 40
- Bottom: C., C.

SFOC  
, mdst., v chlky mtrx.  
y, mdst., v chlky, w/ f-g pp. vug.  $\phi$   
d, mdst-wckst, dnse, w/ vp-no vis  
Hee

Sh, dk gry-blk, carb., fiss. 3863'  
Lst, tan, foss. wckst-pckst. w/ vp-no vis  $\phi$ ,  
hard, dnse  
Sh, gry, grn, brn

ss/pell pckst., mttd, w/ p-

The graph displays water level fluctuations over time, with the y-axis representing the water level in feet (ft) and the x-axis representing time in minutes (min). The vertical scale ranges from 10 to 90 ft, with major grid lines every 10 ft. The horizontal scale ranges from 0 to 4000 min, with major grid lines every 1000 min. The data is plotted as a blue line with a zigzag pattern, representing the water level at various times. A solid black horizontal line is drawn at approximately 60 ft. A red label "CFS" is present near the 80 ft mark.

C.

30

40 CFS

50

Lst, crn grn, mast. pckst. w/  
vug  $\phi$ , chlky, tr. pyr.,  
Sh. grn dk. grn

Lst, lt. tan, foss/sl. ool. pckst.-grnst. w/ f  
interpart. & some pp. vug  $\phi$ , tr. oolicastic  
sl. chlky, 1 pc w/ dk brn-blk spotty st.  
otherwise, NSFOC  
Sh, gry-dk. gry,  
  
Lst, tan, foss/pell. wckst-pckst. w/ p-f interpret  
& p pp. vug  $\phi$ , chlky, tr. pyr., NSFOC

Lst, tan  
 $\phi$ , c  
Lst, lt.

10	interpart C
Lst, lt. tan, mds	Lst, lt. tan, m
20	Sh, blk, dk.
Lst, tan, mds	Lst, tan, mds

	C.	
4200		Lst, tan-brn NSFO
10		Lst, lt. tan,

**Stark**  
4227'

**Hushpum**  
4265'

**B/KC**  
4287'

**Marmat**  
4307'

**MU**  
Vis:  
Wt:  
LC:

**Pawnee**  
4444'  
'Show  
~5% c

**Ft. Scott**  
4483'

**MU**  
Vis:  
Wt:  
LC:

**Cherokee**  
4509'  
Lost pur  
at begin  
period-

**Pipe**  
4595'  
long  
no co

**MU**  
Vis:  
Wt:  
LC:

**Mississippian**  
4576'

**Mississippian**  
4590'

**DST #1**  
4581'-4583'  
30'-30"  
1st Op:  
1st Sl: r  
2nd Op:  
2nd Sl:  
Recover  
Flow Pr:  
SI Pr: 12  
BHT: 12

**RTD 4700' @ 2:58 AM 8/5/2017**

	20 CFS 30 C.	Dol, lt. gry-wht, f-vf xln, vp- phi, v chky, NSFOC
		Dol/Lst, lt. gry-wht, f-vf xln, vp-no vi

A geological log diagram on a grid background. The left side shows a vertical column of lithologies represented by different patterns and colors. The right side has numerical scales for thickness (0-100) and depth (4700-60). A blue line traces the top of the sequence, with a horizontal red line at 4700. Key features include a thick orange layer at the top, followed by alternating light gray and dark gray layers, and a prominent yellow zigzag pattern near the bottom.

tr. st.

Dol/Lst, lt. gry, foss, vfxln, w vp-no vis  $\phi$

Dol, lt. gry, foss, fxln, w p-f interxln  $\phi$ , NS.

Dol, gry, foss, vfxln w vp-no vis  $\phi$

Dol, gry, foss, fxln w vp interxln  $\phi$

Dol, gry, mttld dk, gry, f-m xln w f interxln  $\phi$ , NS

RTD 4700' @ 2:58 AM 8/5/2017

80  
90

