

Dewey Lee #1
VDMR #151
Miller #51
API #45-105-19766-00-03
A-62-LE

OPERATOR: H & R Oil Company
FARM: Dewey Lee
WELL NUMBER: #1
LOCATION: Lee County, Rose Hill Field, Rose Hill Quadrangle
LAT:
LONG:
ELEVATION: 1440'
TOTAL DEPTH: 2156'
DRILLING COMMENCED: 1947
WELL COMPLETED: 1947
RESULT: Oil Well, Now plugged and abandoned.

PARTIAL GEOLOGIC LOG

<u>INTERVAL</u>	<u>DESCRIPTION</u>
0-200	No samples available
200-450	Not examined
450-460	Limestone, med. dk. gray, fn. xln, very argillaceous w/ slight greenish tint
460-470	No sample (reported oil show 460')
470-480	Limestone, m. dk. gray and m. brn. gray, fn. xln, Impure, argillaceous, micaceous, w/ shale, dk. greenish-gray, micaceous, soft (20%) rare slickensides
480-500	No sample available
500-510	Shale, dk. grayish-green, micaceous (@60%) and limestone, m. dk. gray to med. brown, fn. xln, argillaceous
510-520	Limestone, m. gray- m. gy-brown, fn xln, argillaceous w/ minor creme-white, dense crystalline calcite w/ @ 10% shale as above
520-530	Shale, dk. greenish-gray & dk. gray & dk. reddish-brown, micaceous, slickensided (@75%); Limestone as above (@25%)
530-540	Predominately shale as above, mostly reddish-brown & dk. greenish-gray varieties
540-550	Shales and argillaceous limestone, as above, @75% shales

<u>INTERVAL</u>	<u>DESCRIPTION</u>
550-560	No samples available
560-570	Shales, mudstone and argillaceous limestone, green-greenish-gray dominant, w/ lesser amounts of dk. red-brown; limestone m. dk. gray, fn-v. fn xln
570-600	No samples available
600-610	Siltstone, green, v. fn. grained, micaceous, muddy, minor reddish-brown silty shale and minor very argillaceous limestone, m. gray, fn. xln.
610-620	As above, less limestone; mostly green & reddish-brown siltstone/mudstone
620-700	No samples available
700-850	Not examined - Samples may be missing
850-950	No samples available
950-1200	Not examined - Samples may be missing
1200-1300	No samples - Miller & Fuller (1954) report Top of Trenton @ 1256'
1300-1480	Not examined - Samples may be missing
1480-1504	No Samples available
1504-1512	Limestone, med. brown & med. brown-gray & creme, v. fn. xln to fn. xln w/ minor xln. calcite; Shale, dk. gray, (@10%) Oil Pay Reported 1502' (Miller & Fuller, 1954)
1512-1517	Limestone, med. brown & creme to lt. brown, w/ minor dk. brownish-gray, all fine to very fine xln w/ some creme being chalky; minor xln. calcite; minor shale, dark gray
1517-? (1522?)	Limestone, as above, predominately light-colored (med. brown to creme)
1522 (?) - 1749	Not examined
1749-1761	Limestone, dk. gray to m. brn-gray to white, mostly fn. to v. fn. xln, though some white is coarse to v. coarse xln calcite; @ 20% dk. gray limy shale; rare fossil fragments, probably brachiopods

<u>INTERVAL</u>	<u>DESCRIPTION</u>
1761-1775	Limestone, as above, w/ (@10%) minor shale; most creme-colored limestone is chalky; minor slickensides
1775-1785	Limestone, dk. gray, v. fn. xln, argillaceous to shaly; w/ @ 30% limestone, creme to lt. gray, fine xln to fine granular/chalky
1785-1796	Limestone, dk. gray to white, v. fn. xln argillaceous to grainy, minor fossil fragments and shale dk. gray, slightly limy (@40%); Trace Bentonite, pale green, micaceous, w/ small bronze flakes
1796-1810	Limestone, m. dk. gray - dk. gray, fn. xln, (some med xln) argillaceous, grainy appearance; minor amts. of white to m. lt. gy-brown fn to very coarse xln limestone; minor white calcite; trace slickensides, fossil fragments
1810-1818	Limestone, as above, some very argillaceous, virtually limy shale; fairly abundant slickensides trace amts pale greenish-gray micaceous limy bentonite - w/ very small bronze mica flakes
1818-1827	As above, including trace bentonite
1827-1834	Limestone m. dk. gray argillaceous as above, Limestone, m. gy-brown, fn. to med. xln, fairly dense (30%); (10%) white crystalline or grainy/chalky limestone (60%) w/ fossil fragments, minor calcarenite
1834-1842	Limestone; m. dk. gray, argillaceous, fn. xln, grainy (40%); Limestone, m. gy-brown, fn. xln., fairly dense (30%); Limestone, lt. gray-white, Lt. gy. brown, fine to med xln. to grainy; trace m. dk. bluish-gray chert
1842-1858	Limestone, m. dk. gray, fn. xln, grainy, argillaceous (75%); Limestone, m. gy. brown-brn. gy.- lt. gy.- white, fn. to med. xln (25%); trace m. dk. bluish-gray chert w/ including dk. grains
1858-1872	Limestone, m. dk. gy-brn to brown, micro xln, dense w/ minor fn. xln (60%); Limestone, m. dk. gray, fn. to v. fn. xln, argillaceous, grainy (35%); Bentonite, pale green speckled w/ bronze mica flakes (5%); minor dk. brown chert, very dense some of the brown limestone has been silicified

INTERVAL

DESCRIPTION

1872-1882	Limestones, brown & gray varieties as above, w/ @5% bentonite
1882-1892	As above, w/ minor slickensides
1892-1900	Limestone, m. dk. brn-gray, fn. xln w/ minor amts brown limestone as above, and limestone, pale greenish gray, fn. xln - v.fn. xln; Bentonite common
1900-2156 T.D.	Not examined

Trace of Pine Mountain Fault: 100 ft. (Miller
& Fuller, 1954)

Top of Sequatchie Formation: Estimated @ 555 ft.

Top of Reedsville Shale : Estimated @ 850 ft.

Top of Trenton Limestone: 1256 ft. (Miller &
Fuller, 1954)

Top of Eggleston Limestone: 1858 ft.

Top of Moccasin Limestone: Estimated @ 2006 ft.

Oil Pay: 1502 ft. in Trenton Limestone

Oil Show: 460 ft.