

# SAMPLE LOG

DRILL HOLE: W. Devlin 12  
PROP. OWNER: William Devlin  
DRILL CONTRACTOR: Lamampco  
DRILL OPERATOR: Jim Miller  
DATE STARTED: 10-27-79  
CASING LEFT IN HOLE:

LOC: Sec. 3, T31S, R21E, 660'S of D5,  
1815 FNL, 2475 FWL,  
Labette Co., Kansas  
LOGGED BY: MRG & DRK  
ELEV: 846' surveyed  
DATE COMPLETED: 10/29/79  
TOTAL DEPTH: 310'

- 50 - 60 - Shale, black, organic ?, silty 60%; shale, medium gray, silty, calcareous 20%; limestone, medium gray, fossil fragments and favosites? coral 20%
- 60 - 70 - Shale, black, silty, trace of pyrite 60%; shale, light gray, silty, slightly calcareous, trace of pyrite 20%; limestone, light gray, trace of pyrite, fossil coral (favosites) 20%
- 70 - 80 - Shale, dark gray, locally carbonaceous, slightly calcareous 60%; shale, silty, trace of pyrite 20%; siltstone, light gray, micaceous, locally carbonaceous 20%
- 80 - 90 - Shale, black, silty, slightly calcareous, locally carbonaceous, trace of pyrite 95%; siltstone, light gray, slightly calcareous, trace of pyrite 5%
- 90 - 100 - Shale, gray, slightly calcareous, micaceous, silty 90%; siltstone, light gray, micaceous, trace of pyrite, slightly calcareous 10%
- 100 - 110 - Shale, gray, silty, micaceous, slightly calcareous 90%; siltstone, light gray, micaceous, slightly calcareous 10%
- 110 - 120 - Shale, gray, silty, micaceous, calcareous
- 120 - 130 - Shale, (light-medium) gray, silty, micaceous, calcareous
- 130 - 140 - Shale, gray, silty, micaceous, oscillation ripple marks present, slightly calcareous 99%; limestone, light gray, silty 1%
- 140 - 150 - Shale light to medium gray, silty, micaceous, slightly calcareous 60%; shale, black, silty, highly calcareous, one ripple mark? 35%; limestone, light brown, crystalline, massive 5%
- 150 - 160 - Shale, light gray, silty, slightly calcareous 70%; shale, dark gray to black, silty, highly calcareous, local inclusions of calcite crystals, some zoned by pyrite, shell fragments, local carbonaceous plant fragments 20%; coal fragments 10%
- 160 - 170 - Shale, light to medium gray, calcareous, silty 60%; shale, black, silty, shell fragments, some altered to calcite 30%; limestone, tan to dark gray, silty, locally crystalline 10%
- 170 - 180 - Shale, light gray, silty, slightly calcareous, micaceous, trace of pyrite 50%; shale, black, silty, very slightly calcareous, trace of pyrite 35%; coal fragments 15%
- 180 - 190 - Shale, light gray, locally carbonaceous, silty, trace of pyrite 60%; shale, black, silty, micaceous 25%; siltstone, micaceous, locally carbonaceous 10%; coal fragments 5%
- 190 - 194 - Shale, light gray, silty, some fragments rimed by pyrite, which are rimed by carbonaceous plant material, some local carbonaceous fragments 85%; shale, black, silty, calcareous 10%; sandstone, fine grained, brown, micaceous, locally carbonaceous 5%; U.V. - good show

CORE #1 - 194 - 215.5

- 194 - 210 - Sandstone, fine grained, brown, micaceous; millimeter carbonaceous laminae scattered throughout interval; 1/8" thick shale interval at 199.65 and flattened shale fragments at 199.7; core oozing free oil throughout interval.
- 210 - 215.5 - Sandstone, fine grained, brown to grayish brown, micaceous, locally silty and shaley; shaley intervals: 211 - 211.5 and 212.7 - 212.9 and 214 - 215.5; small shale pebbles at 214.9; micaceous partings common throughout interval and frequently associated with carbonized plant fragments; most of interval appears to be "water wet"
- 220 - 225 - Sandstone, fine grained, brown, micaceous, locally carbonaceous 80%; U.V. - good show; shale, medium to dark gray, silty, calcareous; trace of pyrite 10%; limestone, light to dark gray, silty, locally crystalline 10%
- 225 - 230 - Sandstone, fine grained, brown, micaceous, locally carbonaceous 85%; siltstone, light gray, very micaceous, locally carbonaceous, calcareous 10%; shale, black, silty, calcareous 5%; U.V. - fair show
- 230 - 235 - Sandstone, fine grained, brown, micaceous, locally carbonaceous 75%; shale, gray, silty, micaceous, calcareous 15%; limestone, tan, micaceous 10%; U.V. - good show
- 235 - 240 - Shale, light gray, micaceous, silty 75%; sandstone, fine grained, brown, micaceous, locally carbonaceous 20%; limestone, tan, micaceous, locally carbonaceous 5%
- 240 - 250 - Shale, light gray, silty, locally micaceous and carbonaceous 90%; limestone, tan, micaceous 5%; sandstone, fine grained, light gray, micaceous, locally carbonaceous, slightly calcareous 5%
- 250 - 260 - Shale, medium gray, silty, micaceous, calcareous
- 260 - 270 - Shale, medium gray, silty, micaceous, calcareous 60%; shale, black, silty, slightly calcareous 35%; siltstone, tan, uniform 5%
- 270 - 280 - Shale, dark gray, silty, highly calcareous 60%; shale, light gray, silty, locally carbonaceous plant fossils, some replaced by pyrite
- 280 - 290 - Shale, light gray, silty, locally carbonaceous 70%; shale, black, silty, very calcareous 25%; limestone, tan or light gray, silty, trace of pyrite 5%
- 290 - 300 - Siltstone, light gray, local well-rounded, light brown quartz grains, calcareous 80%; shale, black, silty 20%; coal fragments, partially replaced by pyrite trace
- 300 - 210 - Shale, dark gray, silty, locally carbonaceous 70%; shale, light gray, silty, micaceous, trace of pyrite 15%; siltstone, light gray, local well-rounded, light brown quartz grains, calcareous 15%