

# SPOT LOG

DRILL HOLE: Long #5  
 PROP. OWNER: Alvin Long  
 DRILL CONTRACTOR: Carter Land & Cattle, Inc.  
 DRILL OPERATOR: H. Reed  
 DATE STARTED: 5/17/79  
 CASING LEFT IN HOLE: 20' of 7", 299.6' of  
 4"

LOC: NW, NW, Sec. 26, T30S, R21E  
 1155' FWL, 175' FNL  
 LOGGED BY: JWE  
 ELEV: 851' surveyed  
 DATE COMPLETED: 5/26/79  
 TOTAL DEPTH: 303'

Verdigris ls.

- 21 - 41 - Shale (from driller's log)
- 41 - 60 - Limestone " " "
- 60 - 66 - Shale " " "
- 66 - 84 - Limestone " " "
- 84 - 87 1/2 - Shale, black, with pyrite
- 87 1/2 - 98 - Shale, light gray, silty; a little underclay
- 98 - 100 - Shale, light to medium gray 90%; limestone, tan 10%
- 100 - 105 - Shale, medium gray, traces pyrite; underclay 5%
- 105 - 159 - Shale, light gray and underclay 40%
- 159 - 172 - Limestone, dark gray to black or shale, calcareous
- 172 - 174 - Limestone, tan to medium gray
- 174 - 178 - Limestone, brown
- 178 - 180 - Shale, black
- 180 - 181 1/2 - Shale, light gray
- 181 1/2 - 182 1/2 - Coal
- 182 1/4 - 185 - Shale, light gray and light greenish-gray; underclay
- 185 - 188 - Shale, gray; traces tan limestone
- 188 - 192 - Siltstone, light gray
- 192 - 194 - Shale, light gray; very slight oil odor and a little on pit
- C.F.S. @ 194
- 194 - 195 1/2 - Siltstone, light gray; oil odor
- C.F.S. @ 195
- 195 1/2 - 196 - Sandstone, brown; oil odor and oil on pit
- ~~193 1/2 - 194~~ 212.5
- CORE 1 - 196 - 215.5
- 196 - 205.7 - Sandstone, light brown, extremely uniform
- 205.7 - 205.9 - Sandstone, with concentrated shale laminae
- 205.9 - 215.5 - Sandstone, light brown, uniform

303.0