

SAMPLE LOG

DRILL HOLE: Sartin # 20
PROP. OWNER: F. Sartin
DRILL CONTRACTOR: Lamampco
DRILL OPERATOR: Jim Miller
DATE STARTED: 2/22/80
CASING LEFT IN HOLE:

LOC:

LOGGED BY: MRG
ELEV: 845.45
DATE COMPLETED: 2/25/80
TOTAL DEPTH: 300'

- 30 - 40 Limestone tan, silty and crystalline; favosities coral present, 100%
40 - 50 Shale, black, silty, trace of pyrite 65%; limestone grey to tan silty and crystalline, locally fossiliferous 35%
50 - 60 Limestone grey and tan, silty, and crystalline locally fossiliferous; favosities coral present 100%
60 - 70 Shale, black, trace of pyrite 95%; limestone tan 5%
70 - 80 Siltstone, light grey, trace of pyrite, poorly indurated; shale, black, silty trace of pyrite
80 - 90 Siltstone, light grey, micaceous, carbonaceous trace of pyrite calcareous 80%; limestone grey and tan silty, 20%
90 - 100 Siltstone to very fine grained sandstone, light grey, micaceous and carbonaceous 85%; limestone tan, crystalline 10%; chert, fossil coral present orange 5%
100 - 110 Shale, grey, silty 95%; limestone tan, crystalline fossil coral present 5%; chert orange trace
110 - 120 Shale, grey silty 99%; limestone tan, crystalline 1%
120 - 140 Shale, grey, silty 100%
140 - 150 Shale, grey silty 60%; shale, black, silty, trace of pyrite, very calcareous 35%; limestone tan, crystalline 5%
150 - 160 Shale, grey, silty, very calcareous 55%; coal fragments 45%
160 - 170 Shale, light grey to black, silty calcareous 85%; shale medium grey silty 15%
170 - 180 Shale, light grey, poorly indurated 60%; shale, black, silty calcareous 30%; limestone grey silty 10%
180 - 190 Shale black, very silty, trace of pyrite 85%; siltstone, light grey, locally carbonaceous 15%
190 - 190 Sandstone, fine grained, brown, micaceous and carbonaceous 90%; U. V. - good show; shale, grey silty 10%

CORE # 1 (190-209.4)

- 190 -198.3 Sandstone fine grained, brown, micaceous; clean sand 190-195.9; shale pebbles 195.9-196 1" by $\frac{1}{4}$ "; carbonaceous laminations 198.1-198.3 laminae fine no oil ooze
198.3-199.3 Coal approximate 6" loss here
199.3-209.4 Shale grey; poorly indurated and clayey 199.3-202 approximate 6" loss 199-200; fracture approximate 40° from core axis 201.7; large brown shale pebble 204.8 3" by 1"; shale with horizontal cracks 206.5-209.4
Core oozes no free oil; first water 190.6; pit show poor rainbow only at core point
210 - 220 Shale, grey silty 45% shale, black, silty 40%; limestone tan crystalline, 10%; sandstone, fine grained, brown micaceous 5%; U. V. - fair show without fluid good with
220 - 230 Shale, grey, poorly indurated 60%; shale, black, silty, calcareous 40%

- 230 - 240 Siltstone, grey, locally carbonaceous 50%; shale, grey silty 35%; shale, black, silty 15%; U. V. - poor show without fluid good with
- 240 - 250 Siltstone to very fine grained sandstone, micaceous and carbonaceous 100%; U. V. - poor show without fluid good with
- 250 - 260 Shale, grey silty 80%; siltstone, light grey, locally carbonaceous 20%
- 260 - 270 Shale, black, trace of pyrite 70%; shale grey silty 30%; shale brown, well indurated trace
- 270 - 280 Shale, black, silty 70%; shale, light grey poorly indurated trace of pyrite local inclusions of brown well rounded metal oxides 30%
- 280 - 290 Shale, black, silty 45%; shale grey, poorly indurated 40%; limestone tan, silty 15%
- 290 - 300 Siltstone, light grey, locally calcareous local inclusions of light brown sub rounded metal oxides 1-3mm 95%; shale black 5%