

SAMPLE LOG

DRILL HOLE: Sartin # 13
PROP. OWNER: F. Sartin
DRILL CONTRACTOR: Lamampco
DRILL OPERATOR: Jim Miller
DATE STARTED: 4/10/80
CASING LEFT IN HOLE:

LOC:

LOGGED BY: MRG
ELEV: 844.96
DATE COMPLETED: 4/11/80
TOTAL DEPTH: 302'

- 30 - 40 Limestone, grey and tan, silty and crystalline fossiliferous, trace of pyrite 60%; shale, black, 25%; shale, light grey poorly indurated 15%
- 40 - 50 Limestone light grey to tan, favosities corals present crystalline 100%; U. V. poor show
- 50 - 60 Limestone grey, crystalline, massive favosities coral present 70%; shale, black, silty 30%
- 60 - 70 Siltstone, light grey, trace of pyrite locally micaceous 95%; limestone tan, crystalline 5%
- 70 - 80 Siltstone, light grey, micaceous, locally carbonaceous 95 %; shale, brown well indurated 5%
- 80 - 90 Siltstone to very fine grained sandstone, micaceous and carbonaceous, very calcareous 95%; limestone tan, silty 5%
- 90 - 100 Shale, grey, very silty 80%; siltstone, grey, micaceous locally carbonaceous 20%
- 100 - 110 Shale, grey, silty, locally micaceous and carbonaceous 100%;
- 110 - 120 Shale, grey, silty 95%; shale, brown, well indurated 5%
- 120 - 140 Shale, grey, silty 100%
- 140 - 150 Shale, grey silty 50%; shale, black, silty, trace of pyrite very calcareous 40%; coal fragments 10%
- 150 - 160 Shale, black, silty trace of pyrite, very calcareous, limey 70%; limestone tan, crystalline 15%; shale, grey silty 15%
- 160 - 170 Shale, black, silty, very calcareous, trace of pyrite 75 % shale, light grey, very silty, 20%; limestone tan-brown crystalline 5%
- 170 - 180 Shale, grey, silty 60%; shale black 30%; sandstone, fine grained, grey, calcareous, trace of pyrite crystals 10%
- 180 - 182 Shale, grey, silty carbonaceous, trace of pyrite 100%
- 182- 182 Shale, grey, silty, carbonaceous; sandstone, fine grained, brown, micaceous U. V. - good show 100%

CORE # 1 182-202.2

- 182-184.9 Sandstone, fine grained, brown, micaceous, slightly calcareous throughout carbonaceous laminations $\frac{1}{2}$ " 184.9 interval oozes no oil; no presence of water; broken surfaces dry (perhaps washed free of oil?)
- 184.9-192.7 Shale grey non fissel carbonaceous plant fragment 187.8; carbonaceous lense 191.6; whisps of silt 192.4-192.7; top and bottom contacts regular and horizontal
- 192.7-202.2 Sandstone, fine grained, brown micaceous calcareous throughout increasing toward bottom of interval; shaley sand 194.8-195.1 and 192.7-192.8; shale pebbles 194.0-194.2 $\frac{1}{2}$ " by $\frac{1}{2}$ "; shale rip-up clasts 193.6-194.0 2" by 1"; 195.9-196.1 $\frac{1}{2}$ " by $\frac{1}{4}$ "; 199.7-200 $\frac{1}{4}$ " by $\frac{1}{4}$ "; interlaminated carbonaceous material mica and sand 201-201.5 no oil ooze here; carbonaceous laminations

195.8-196.0 slight oil ooze here, and 200.7-201 no oil ooze here:

core oozes oil in slight amounts 192.7-197.5; first presence of water 193.8; pit show rainbow to slight cover

- 202-- 205 Sandstone, fine grained, brown, micaceous, calcareous 55%; shale, grey, silty, carbonaceous 45%; U. V. - good show
- 205 - 210 Sandstone, fine grained, brown, micaceous locally carbonaceous 80%; siltstone, grey, carbonaceous 20%; U. V. - good show
- 210 - 215 Sandstone, fine grained, black, asphaltic, micaceous slightly calcareous 70%; U. V. - poor show without fluid fair with; coal fragments 25%; Limestone, tan, silty 5%
- 215 - 220 Sandstone fine grained, brown, micaceous, asphaltic and carbonaceous 100%; U. V. - good show
- 220 - 230 Missing not sampled
- 230 - 235 Sandstone, fine grained, black, micaceous, asphaltic 75%; shale, grey, silty 25%; U. V. - poor show
- 235 - 240 Siltstone to very fine grained sandstone, grey, micaceous and carbonaceous 90%; U. V. - no show without fluid, fair with; shale, grey, silty 10%
- 240 - 250 Siltstone to very fine grained sandstone, micaceous and carbonaceous 90%; U. V. - fair show without fluid no mobil oil with fluid; shale, med to dark grey, silty 10%
- 250 - 260 Shale, grey silty 100%
- 260 - 270 Shale, dark grey to black, silty calcareous 75%; shale, greenish poorly indurated, trace of pyrite crystals 15%; shale, light grey, poorly indurated locally carbonaceous 10%
- 270 - 280 Siltstone, greenish local inclusions of light brown sub rounded metal oxides 65%; shale, black, silty 25%; shale, grey 5%; limestone silty, tan 5%
- 280 - 290 Shale black silty 35%; shale greenish, poorly indurated 30%; shale grey, silty 30%; limestone tan silty 5%
- 290 - 302 Siltstone, greenish local inclusions of brown sub rounded metal oxides 1-3mm 70%; shale black silty 20%; limestone tan silty 10%