

SAMPLE LOG

DRILL HOLE: Sartin #15
PROP. OWNER: F. Sartin
DRILL CONTRACTOR: Lamampco
DRILL OPERATOR: Jim Miller
DATE STARTED: 3/3/80
CASING LEFT IN HOLE:

LOC:

LOGGED BY: MRG
ELEV: 844.99
DATE COMPLETED: 3/4/80
TOTAL DEPTH: 300'

- 30 - 40 Shale, black, silty, calcareous 50%; limestone grey and tan, silty and crystalline, fossiliferous 50%
- 40 - 50 Limestone tan, crystalline fossiliferous 100%; U. V. - poor show
- 50 - 60 Siltstone, light grey, micaceous, trace of pyrite crystals 100%
- 60 - 70 Siltstone, light grey, micaceous trace of pyrite crystals 100%
- 70 - 80 Siltstone, light grey, micaceous, trace of pyrite crystals 100% U. V. - poor show
- 80 - 90 Siltstone to very fine grained sandstone, micaceous, and carbonaceous trace of pyrite 100%
- 90 - 100 Shale grey silty, carbonaceous 99%; siltstone grey trace
- 100 - 110 Shale, grey silty, carbonaceous 95%; siltstone, light grey micaceous, trace of pyrite crystals 5%
- 110 - 130 Shale, grey, silty 100%
- 130 - 140 Shale, black, calcareous 70%; shale grey 30%
- 140 - 150 Shale, black, limey, locally fossiliferous trace of pyrite 85%; shale light grey silty 15%
- 150 - 160 Shale black, limey, silty, locally fossiliferous 90%; shale light grey silty 10%
- 160 - 170 Siltstone, light grey, trace of pyrite crystals calcareous 85% shale, black, 15%
- 170 - 174 Siltstone, black, 80%; siltstone, light grey micaceous, trace of pyrite crystals 20%

CORE # 1 174-194.2

174-178.2 Core loss (grey clayey shale)?

- 178.2-192.3 Sandstone, brown, fine grained, micaceous, shaley sand
- 178.2-178.4; shale lenses 179.1 1" by 1/8"; 188 2" by 1/2"; carbonaceous laminations 189.1-190.4 approximately horizontal slightly shaley 189.9-190.0; coal pebbles 189.2 2" by 1/4"; carbonaceous laminations 181.9-182.2 approximately 80° from core axis; good oil ooze here; 181.0-181.4 approximately 80 from core axis; slight oil ooze here; 178.9 good oil ooze here; vertical frac extending from 182.8-183.5; possible vertical frac 192.8-193.0; shale pebbles 191.7-192.3 2" by 3/4"; core oozes oil 184.4-189.1; top sand appears to have lost oil during coring process. First presence of water 191.1 pit show rainbow only
- 192.3-194.1 Interlaminated shaley sand, shale and carbonaceous laminations; rip up clasts 192.3-192.5; shale with carbonaceous laminations 192.5-192.8; shaley sand 192.8-193; shale with carbonaceous laminations 193-193.3 and 193.7-193.8; shaley sand 193.3-193.7 and 193.8-194.2

194-- 200 Sandstone, fine grained, brown, micaceous and locally carbonaceous 90%; U. V. - good show; shale, black calcareous 5%; shale, grey, silty 5%

- 200 - 210 Sandstone, fine grained, brown, micaceous locally asphaltic 85%; U. V. - good show; shale, grey, silty locally carbonaceous 15%
- 210 - 220 Sandstone, fine grained, grey-brown, micaceous and carbonaceous locally asphaltic 100%; U. V. - good show
- 220 - 225 Siltstone grey, locally carbonaceous, micaceous 45%; shale grey very silty 35%; sandstone, brown to black, micaceous and carbonaceous locally asphaltic 20%; U. V. - good show
- 225 - 230 Siltstone to fine grained sandstone, grey, locally micaceous carbonaceous 90%; U. V. - fair show without fluid poor with, shale, light grey, silty 10%
- 230 - 235 Siltstone to very fine sandstone grey, locally carbonaceous trace of pyrite 80%; U. V. - poor show without fluid, no mobil oil with; shale grey, very silty carbonaceous 20%
- 235 - 240 Shale, grey, very silty carbonaceous 70%; siltstone grey carbonaceous 30%; U. V. - poor show without fluid; no mobil oil with
- 240 - 250 Shale, grey silty carbonaceous 80%; siltstone, light grey carbonaceous 20%
- 250 - 260 Shale, grey, 65%; shale, black, silty very calcareous 30%; shale brown, well indurated 5%
- 260 - 270 Shale black 55%; shale, grey, silty 20%; siltstone, light grey, calcareous 15%; limestone orange, locally fossiliferous, trace of pyrite 10%
- 270 - 280 Shale, black, silty 50%; shale, grey silty 30%; shale, light grey, poorly indurated 20%
- 280 - 290 Siltstone, light grey, local concentrations of brown sub rounded metal oxides (1-4mm) 95%; coal 5%
- 290 - 300 Shale, dark grey silty, trace of pyrite 60%; shale grey silty local inclusions of dark brown well rounded metal oxides 1-2mm 40%