

SAMPLE LOG

DRILL HOLE: Sartin # 12
 PROP. OWNER: F. Sartin
 DRILL CONTRACTOR: Lamampco
 DRILL OPERATOR: Jim Miller
 DATE STARTED: 2/4/80
 CASING LEFT IN HOLE:

LOC:
 LOGGED BY: MRG
 ELEV: 850.29
 DATE COMPLETED: 2/6/80
 TOTAL DEPTH: 300'

- 30 - 40 - Shale, grey, silty, calcareous 40%; shale, black, silty calcareous 40%; limestone, tan, massive, locally fossiliferous 20%
- 40 - 50 - Limestone, grey and brown, silty and fossiliferous 100%; U. V. - poor show
- 50 - 60 - Shale, black, silty 90%; siltstone, light grey, trace of pyrite, poorly indurated 10%
- 60 - 70 - Shale, grey, very silty, trace of pyrite 100%
- 70 - 80 - Shale, grey very silty, locally carbonaceous 80%; siltstone, grey, carbonaceous 20%
- 80 - 90 - Limestone, grey, silty, carbonaceous 50%; siltstone, grey, carbonaceous and micaceous 40%; siltstone, brown massive, well indurated 10%
- 90 - 130 - Shale, grey, silty, carbonaceous 100%
- 130 - 140 - Shale, grey, silty, carbonaceous 50%; shale, black, silty very calcareous 45%; siltstone, brown, well indurated 5%
- 140 - 150 - Shale, black, limey, very calcareous 75%; limestone, grey silty, 25%
- 150 - 160 - Shale, black, silty, very calcareous 50%; limestone, brown massive crystalline 50%
- 160 - 165 - Sandstone, fine grained, grey and brown, micaceous and carbonaceous 90%; shale, grey, silty 5%; coal fragments 5%; U. V. good show

CORE #1 165 - 186

- 165 - 165.8 Silty sandy shale, very slight oil ooze
- 166 - 176.7 shale pebbles 172.0 1" by 3/4"; Shale, dark grey
- 176.7- 183.8 Core loss, most likely shale
- 183.8-184.7 Sandstone, fine grained, brown, interlaminated with shale, shale break 183.8 - 183.9; good oil ooze from 183.9 - 189.7
- 184.7-186 Siltstone, grey, carbonaceous lamination irregularly oriented at 185.9, approx. 60 from core axis; no presence of water; pit show rainbow

CORE # 186 - 206

- 186 - 189.8 Sandstone, fine grained, brown, shale breaks 1/2" at 186.2; (187.1 - 187.2), and (187.3 - 187.5) good oil ooze no presence of water
- 189.8- 196.9 Interlaminated shale, sand, and carbonaceous material, well indurated, siltstone (183.7-183.8) no oil ooze here clean sand (194.7-195.1) no oil ooze here, shale grey (195.1-195.8)
- 196.9-206.0 Sandstone, fine grained brown micaceous; shale pebbles 196.9-197.3 (rip up clasts) irregular orientation 2" by 2"; and 204.7-205.1 1" by 1/2"; shale breaks 1/2" at 205.1; 2" at 205.7 - 205.9; interval oozes oil approx. 200.6-201.3; sand 196.9-200.6 appears to be washed free of oil. First presence of water 199.9; pit show rainbow to light cover

- 206 - 210 Sandstone, brown-black, fine grained, micaceous, locally very carbonaceous 95%; siltstone, grey, carbonaceous 5%
U. V. good show
- 210 - 215 Sandstone, brown-black, fine grained, micaceous and carbonaceous 100%; U. V. fair show without fluid good show with
- 215 - 220 Sandstone, fine grained, black micaceous and carbonaceous 100%; U. V. fair show without fluid good show with
- 220 - 225 Sandstone, fine grained, black, micaceous, very carbonaceous 80%; U. V. fair show without fluid, good show with;
- 225 - 230 siltstone, light grey 15%; siltstone, brown, carbonaceous 5%
sub-rounded quartz grains (1-2mm) 70%; siltstone, brown, locally carbonaceous, trace of pyrite 20%; sandstone, black fine grained, micaceous and carbonaceous 10%; U. V. - poor show without fluid, good show with
- 230 - 235 Siltstone, grey, carbonaceous and micaceous 85%; Sandstone fine grained, black, micaceous and carbonaceous 15%; U. V. - poor show without fluid, fair show with
- 235 - 240 Sandstone, fine grained, grey, micaceous and carbonaceous 95%; shale, grey, silty 5%; U. V. poor show without fluid fair show with
- 240 - 250 Shale, grey, silty, carbonaceous 95%; siltstone, grey, carbonaceous 5%
- 250 - 260 Shale, grey, silty, carbonaceous 95%; siltstone, brown well indurated 5%
- 260 - 270 Shale, grey, silty, carbonaceous, trace of pyrite 50%; shale, black, silty, calcareous 35%; siltstone, brown, well indurated 10%; coal fragments 5%
- 270 - 280 Shale, black, silty, calcareous 50%; siltstone, grey, local concentrations of sub-angular quartz grains 40%; shale, grey, silty 10%
- 280 - 290 Shale, grey, silty 90%; siltstone, grey green, trace of pyrite 10%
- 290 - 300 Siltstone, light grey, local concentrations of sub-rounded brown quartz grains 1-2mm 80%; limestone, grey, massive 15%; shale, black silty 5%