

DRILL HOLE: Sartin # 23
DATE STARTED: APRIL 19, 1980
DATE COMPLETED: APRIL 21, 1980
LOGGED BY: MRG

CASING ELEV
TOTAL DEPTH: 302'
CONTRACTOR: LAMAMPCO
DRILLER: JIM MILLER

- 30 - 40 - Limestone, gray, silty, and crystalline fossiliferous 90%;
U.V. poor show without fluid, fair with
Shale, black, silty, slight calcareous 10%
- 40 - 50 - Shale black, silty, slightly calcareous 75%; U.V. poor show
Limestone, gray, silty and crystalline, locally fossiliferous 25%
- 50 - 60 - Limestone, gray, silty, locally fossiliferous 90%;
Shale, gray, silty 10%
- 60 - 70 - Shale, black, silty 75%
- Siltstone, light gray, trace of pyrite, slightly calcareous 25%
- 70 - 80 - Siltstone, light gray, trace of pyrite crystals, calcareous 100%
- 80 - 90 - Shale, gray, silty 80%
Siltstone, light gray, locally micaceous, calcareous 20%
- 90 - 100 - Shale, gray, very silty 75%
Siltstone, light gray, micaceous and carbonaceous, calcareous 25%
- 100 - 140 - Shale, gray, silty
- 140 - 150 - Shale, gray, silty 85%
Shale, black, silty, calcareous 15%
Coal trace
- 150 - 160 - Shale black, silty, very calcareous 80%
Coal 20%
- 160 - 170 - Shale, black silty very calcareous 80%
Limestone, gray, crystalline 20%
- 170 - 180 - Shale, black, silty, very calcareous locally fossiliferous 85%
Shale gray 15%
- 180 - 188.5 Shale, gray silty, micaceous 75%
Sandstone, very fine grained gray, micaceous 20%
Shale, black, calcareous 5%
- 188.5 Shale, gray, silty 60%
Sandstone fine grained, brown, micaceous, locally carbonaceous 40%
U.V. good show

CORE # 1 188.4 - 204.6

- 188.4-197.8 Sandstone, fine grained, brown, micaceous. Micaceous laminations
188.7 - 189.1 slight oil ooze here; 189.7 - 189.8; 190.8-191.3.
Shale lenses 189.1 2" by 1/4". Sand calcareous throughout increasing
towards bottom of interval. Interval oozes oil 188.4 - 189. Coal
197.2 - 197.8.
- 197.8-204.6 Shale, gray, calcareous clayey. Horizontal cracks throughout. Slicken
sides 200.1 - 200.4. Lime pebbles 202.6 - 203 3" by 2". Shale grades
to limestone 203.8 - 204.0) Inplace shells (Brachiopods) on broken
surface 204.5

Pit show light cover over 1/4 of pit

GR 199.5
= GR 197.2
GR 195
= GR 192.7
GR 190.5
= GR 188.5

- 206 - 210 - Shale, gray, silty 70%
Shale, black silty, slightly calcareous 10%
Siltstone gray, local inclusions of brown well rounded metal
oxides 1 - 2 mm 10%
Limestone brown and gray, crystalline 10%
- 210 - 220 - Siltstone, gray, calcareous 65%, U.V. fair show without fluid, good with
Shale, gray silty 25%
Shale, black; silty, slightly calcareous 10%
- 220 - 230 - Shale, gray, very silty 60%
Siltstone to very fine grained sandstone, gray, micaceous and carbonaceous 40%
U.V. fair show without fluid; good with
- 230 - 235 - Sandstone very fine grained, brown micaceous, locally carbonaceous 70%
Shale, gray, very silty 30% U.V. poor show without fluid, fair with
- 235 - 240 - Siltstone to very fine grained, sandstone, carbonaceous, locally micaceous 90%
U.V. poor show
Shale, gray silty 10%
- 240 - 245 - Siltstone, gray, carbonaceous 90%
Sandstone very fine grained, gray, micaceous locally carbonaceous 10%
- 245 - 250 - Shale, gray, silty 80%
Siltstone, gray, locally carbonaceous 10%, U.V. poor show
Shale, black, silty, calcareous 10%
- 250 - 260 - Shale, black, silty, calcareous 85%
Shale, gray, silty 15%
Coal trace
- 260 - 270 - Shale, black, silty, trace of pyrite calcareous 75%
Shale, gray silty 15%
Limestone, brown crystalline 10%
- 270 - 280 - Shale, black silty 60%
Shale, gray silty 40%
- 280 - 290 - Siltstone, light gray, local concentrations of light brown, sub angular
metal oxides 90%
Shale, gray silty 10%
- 290 - 300 - Shale, Gray silty 40%
Shale, black silty slight calcareous 30%
Siltstone, light gray, local inclusions of light brown
well-rounded metal oxides 30%