

SAMPLE LOG

DRILL HOLE: D. Gray #18
PROP. OWNER: Don Gray
DRILL CONTRACTOR: J-J Drilling
DRILL OPERATOR: Guy
DATE STARTED: 9/28/79
CASING LEFT IN HOLE:

LOC: Sec. 34, T30S, R21E; 330' E of
Gray 1
LOGGED BY: MRG, DRK
ELEV: 852'
DATE COMPLETED: 9/28/79
TOTAL DEPTH: 303'

- 20 - 30 - Limestone, light gray, contains Favosities and Rugosa corals 99%;
chert, tan 1%
30 - 40 - Limestone, light gray, silty and massive crystalline, fossiliferous
40 - 50 - Limestone, light gray, silty and massive crystalline 50%; shale, black,
silty, trace of pyrite 40%; shale, gray, silty, locally carbonaceous
10%
50 - 60 - Limestone, gray, silty and massive crystalline, fossiliferous 99%;
shale, black, silty, calcareous 1%
60 - 70 - Shale, black, silty, calcareous 60%; shale, gray, silty, trace of
pyrite 40%
70 - 90 - Shale, gray, silty, micaceous, calcareous
90 - 100 - Shale, gray, silty, micaceous, calcareous, trace of pyrite
100 - 120 - Shale, gray, silty, micaceous, calcareous
120 - 130 - Shale, gray, silty, micaceous
130 - 140 - Shale, gray, silty, calcareous 95%; limestone, tan, silty 5%
140 - 150 - Shale, gray, silty, calcareous 85%; limestone, black, fossiliferous,
pyrite common 15%
150 - 160 - Limestone, gray to black, silty, fossiliferous, trace of pyrite 60%;
shale, gray, silty 20%; shale, black, silty 20%
160 - 169 - Shale, dark gray, silty, micaceous 60%; sandstone, fine grained, gray,
micaceous, locally carbonaceous 30%; limestone, gray, silty, micaceous
10%
169 - 170 - Sandstone, gray, fine-grained, micaceous, silty 95%; limestone, gray,
silty, micaceous 10%; shale, black, silty 5%; U.V. - poor show
170 - 171 - Limestone, gray, silty, micaceous 90%; sandstone, gray, micaceous,
fine-grained, locally carbonaceous 10%; U.V. - poor show
171 - 172 - Limestone, gray, micaceous, silty 50%; sandstone, gray, fine grained,
micaceous, calcareous 50%; U.V. - poor show
- CORE #1 - 172 - 192
- 172 - 174.4 - Shale, gray, silty; numerous thin horizontal carbonaceous laminae
throughout; grading into sandy shale toward bottom of interval;
oozing oil from silty and sandy lenses
174.4 - 186.5 - Sandstone, fine grained, brown; shale laminations at 177.05
(1/8" thick) and 183.1 (1/8" thick); core oozing free oil throughout
interval
186.5 - 187.6 - Shale, gray, with silty and sandy lenses; silty and sandy lenses
oozing oil
187.6 - 189.1 - Sandstone, fine grained, brown; core oozing oil throughout interval
189.1 - 191 - Shale, gray, with silty and sandy laminae and lenses; sandy and silty
lenses and laminae oozing free oil

- 192 - 195 - Sandstone, gray, fine grained to silty, micaceous, locally carbonaceous;
U.V. - poor show
- 195 - 200 - Sandstone, gray, fine grained to silty, micaceous, locally carbonaceous,
slightly calcareous
- 200 - 205 - Sandstone, gray to brown, fine grained, micaceous, locally carbonaceous
- 205 - 210 - Sandstone, gray to brown, fine grained, micaceous, locally carbonaceous
- 210 - 215 - Shale, gray, silty, calcareous, trace of pyrite 65%; limestone, tan,
silty 25%; sandstone, gray, fine grained, micaceous, locally carbon-
aceous 10%
- 215 - 220 - Shale, medium to dark gray, silty, trace of pyrite 90%; limestone, tan,
massive crystalline, trace of pyrite 10%
- 220 - 230 - Shale, gray, silty, trace of pyrite, micaceous, some well rounded
smoky quartz grains (2mm) 95%; limestone, tan, silty 5%
- 230 - 240 - Shale, gray, silty, micaceous, locally carbonaceous
- 240 - 245 - Shale, gray, silty, micaceous, locally carbonaceous 95%; limestone, tan,
massive crystalline 5%
- 245 - 255 - Shale, gray, silty, micaceous, locally carbonaceous
- 255 - 260 - Shale, dark gray, silty, locally micaceous and carbonaceous, trace of
pyrite 95%; limestone, tan, silty 5%
- 260 - 270 - Shale, gray to black, silty, trace of pyrite 95%; limestone, brown,
silty 5%
- 270 - 280 - Shale, black, silty, trace of pyrite, calcareous 95%; limestone, brown,
silty 5%
- 280 - 290 - Shale, gray, silty 60%; shale, black, silty, calcareous 40%
- 290 - 300 - Siltstone, gray to green, local concentrations of well rounded, brown
quartz grains (1-3mm) 85%; limestone, tan to green, silty 20%
- 300 - 303 - Shale, black, silty 50%; siltstone, grayish-green, locally carbonaceous
50%
- T.D. @ 303'