

SAMPLE LOG

DRILL HOLE: P. Flaharty #1
PROP. OWNER: Paul Flaharty
DRILL CONTRACTOR: J-J Drilling Company
DRILL OPERATOR: Guy
DATE STARTED: 7/30/79
CASING LEFT IN HOLE:

LOC: SE, SE, NW, Sec. 34, T30S,
R21E, Neosho County

LOGGED BY: TM
ELEV: 852' surveyed
DATE COMPLETED: 8/1/79
TOTAL DEPTH: 305'

- 30 - 40 - Limestone, tan 90%; river gravel, orange brown
Note: some cement
- 40 - 50 - Limestone, tan to gray
Note: trace cement
- 50 - 60 - Shale, black 80%; limestone, tan 20%
- 60 - 70 - Shale, gray 90%, calcareous; shale, black 10%
- 70 - 80 - Siltstone, gray
- 80 - 90 - Shale, silty, gray
- 90 - 100 - Siltstone, gray with black carbonaceous debris; trace limestone, tan
- 100 - 110 - Shale, dark gray 80%; siltstone, light gray 20%
- 110 - 120 - Shale, dark gray
- 120 - 130 - Shale, dark gray
- 130 - 140 - Shale, gray
- 140 - 150 - Shale, black 70%; trace coal; shale, gray 30%
- 150 - 160 - Shale, dark gray 60%; shale, light gray 40%
- 160 - 170 - Shale, black 80%; shale, gray 20%
- 170 - 180 - Shale, dark gray 80%; shale, light gray 20%

CORE #1 - 180 - 200

- 180 - 186 - Sandstone, brown, micaceous; oozing oil
- 186 - 187 - Sandstone, brown, micaceous; oozing oil; millimeter coal seams
- 187 - 189 - Sandstone; millimeter coal and shale seams; oozing oil
- 189 - 191 - Sandstone; millimeter coal and shale
- 191 - 193 - Sandstone, micaceous
- 193 - 196 - Sandstone, millimeter laminations, shale and coal
- 196 - 198 - Sandstone, millimeter laminations, shale and coal; oozing oil
- 198 - 200 - Sandstone, micaceous

- 200 - 205 - Sandstone, brown, medium grained 60%; sandstone, gray and black, micaceous 25%; shale, dark gray 15%

Note: some brown mudcake; U. V. - good show

- 205 - 210 - Sandstone, brown, medium grained 50%; sandstone, gray and black, micaceous 50%

Note: mudcake; U. V. - good show - dead oil

- 210 - 215 - Same as above

- 215 - 220 - Sandstone, gray and black, medium grained; U. V. good show - dead oil

- 220 - 225 - Sandstone, gray and black 50%; siltstone, gray and black 20%; shale, black 20%; coal 10%; U. V. medium show - dead oil

- 225 - 230 - Shale, silty, gray 70%; sandstone, gray to black, micaceous, very fine grained 30%; trace coal and river gravel
230 - 240 - Shale, silty, gray 70%; siltstone, black and gray, micaceous
240 - 250 - Shale, silty, gray
250 - 260 - Shale, dark gray; trace pyrite
260 - 270 - Shale, black 80%; shale, dark and light gray 20%; trace coal
270 - 280 - Shale, light gray 60%; shale, dark gray 30%; shale, black 10%
280 - 290 - Siltstone, light gray 50%; shale, medium gray 30%; shale, black 20%
290 - 300 - Shale, light and medium gray 90%; siltstone, light gray 10%
300 - 305 - Shale, dark gray 80%; siltstone, light gray 20%

T. D. @ 305'