

SPOT LOG

DRILL HOLE: McGown #3
PROP. OWNER: G. McGown
DRILL CONTRACTOR: Carter Land & Cattle, Inc.
DRILL OPERATOR: Charles Kepley
DATE STARTED: 6/8/79
CASING LEFT IN HOLE: 43' of 7" surface
casing, cemented in; 258' of 4" production
casing

LOC: SW,SW, Sec. 3, T31S, R21E
Labette Co., Ks.

LOGGED BY: CR
ELEV: 844.14 surveyed
DATE COMPLETED: 6/19/79
TOTAL DEPTH: 302.5'

48 - 50 - Limestone
50 - 54 - Limestone (Ft. Scott)
54 - 57 - Shale, black
57 - 59 - Coal
59 - 61 - Shale, black 40%; shale, gray 60%
61 - 63 - Shale, black 20%; shale, gray 80%
63 - 70 - Shale, dark gray
70 - 98 - Shale, gray
98 - 108 - Shale, gray; clay
108 - 132 - Shale, dark gray; clay
132 - 137 - Shale, dark gray; lot of clay
137 - 144 - Shale, dark gray; lot of clay; trace limestone; intermittent rig noise
144 - 146 - Shale, dark gray to black; 15% limestone; shale, calcareous
146 - 148 - Shale, dark gray to black; limestone
142 - 164 - Intermittent rig noise
148 - 149 - Coal
149 - 152 - Shale, dark gray to black; limestone, calcareous
152 - 155 - Shale, dark gray, calcareous; limestone, tan to gray
155 - 158 - Shale, dark gray, calcareous; limestone, tan to dark gray
158 - 161 - Shale, dark gray, calcareous; limestone, tan to gray
161 - 164 - Shale, dark gray, calcareous; limestone, tan
164 - 166 - Limestone, tan to gray; coal
166 - 168 - Limestone, tan 20%; coal 30%; Shale, black 20%; clay 30%
168 - 171 - Shale, black to gray; shale, black, not calcareous; clay
171 - 173 - Shale, black to gray; not calcareous; clay
173 - 181 - Shale, dark gray to black, not calcareous, clay
181 - 183 - Shale, dark gray to black, very slightly calcareous; clay
183 - 188.5 - Shale, medium gray, very slightly calcareous
188.5 - Sandstone, oil odiferous

CORE #1 - 188.5 - 208

188.5 - 192 - Sandstone; oil
192 - 193.5 - Shale; oil
193.5 - 200.5 - Sandstone; good oil; seepage odor
200.5 - 201.25 - Shale; oil; seepage odor
201.25 - 206 - Sandstone, good oil; seepage odor
206 - 206.5 - Siltstone with conglomerate oil decreasing
206.5 - 208 - Siltstone; very little oil
208 - 210 - Sandstone, very slight oil odor; clay
210 - 213 - Sandstone, very slight oil odor, medium dark color; clay
213 - 216 - Sandstone, almost no odor, medium dark color; clay
216 - 222 - Sandstone, silty, almost no odor, medium dark color; clay

Core 192 = GR 130, 3

159

- 222 - 225 - Sandstone, almost no odor, medium dark color; clay
 225 - 228 - Sandstone, silty, slight oil odor, medium dark color; clay
 228 - 235 - Sandstone, silty, medium dark color, no oil; clay
 235 - 240 - Sandstone, medium dark to dark color; slight oil
 Oil odor probably from circulation - will disregard from 240' down ← NOTE!!
 240 - 243 - Sandstone, medium dark to dark color; no oil; clay 35%
 243 - 246 - Sandstone, light dark to medium dark color, no oil, calcareous; clay
 246 - 251 - Sandstone, silty, dark to medium dark color
 251 - 253 - Shale, black 30%, not calcareous; sandstone, 30%, medium dark, calcareous; clay 40%
 253 - 257 - Shale, black 20%, not calcareous; sandstone 40%, medium dark, calcareous; clay
 257 - 260 - Sandstone, medium dark; shale, black 20%; clay
 260 - 265 - Shale, black 30%; shale, gray 20%; sandstone 20%; clay 30%
 265 - 268 - Shale, black 40%; shale, gray 30%; sandstone 10%; clay; not calcareous
 268 - 272 - Shale, black; shale, gray, not calcareous; trace sandstone; clay
 272 - 275 - Shale, black 60%; shale, gray 30%; clay 20%; not calcareous
 275 - 281 - Shale, black, not calcareous; trace shale, gray; clay
 281 - 284 - Shale, black to gray, not calcareous; clay
 284 - 288 - Shale, black 45%; shale, gray 40%, not calcareous; clay
 288 - 291 - Shale, black 45%; shale, gray 40%, not calcareous; clay
 291 - 294 - Shale, black, calcareous; shale, gray, not calcareous; clay 10%
 294 - 297 - Shale, black, calcareous; shale, gray, not calcareous; clay 10%
 297 - 300 - Shale, black, calcareous; shale, gray, not calcareous; clay 10%
 300 - 302.5 - Shale, gray and black; black shale calcareous; gray shale not calcareous; clay

T.D. @ 302.5'