

SPOT LOG

DRILL HOLE: McGown #1
PROP. OWNER: McGown
DRILL CONTRACTOR: Carter Land & Cattle, Inc.
DRILL OPERATOR:
DATE STARTED: 5/26/79
CASING LEFT IN HOLE: 44' of 7" surface casing, cemented in; 296.6' of 4" production casing

LOC: Sec. 3, T31S, R21E
1485' FWL, 2465' FSL

LOGGED BY: JWE, MRR
ELEV: 843' surveyed
DATE COMPLETED: 6-2-79
TOTAL DEPTH: 303'

June 1, 1979

Ft. Scott Ls.

- 4 - 55 - Limestone (from driller's log)
55 - 74 - Shale ? (not present)
74 - 79 - Shale, medium gray to light gray, slightly silty; light gray clay 20%
79 - 83 - As above, but with light gray clay 40%
83 - 94 - As above with light gray siltstone 5%
94 - 100 - Siltstone, light gray, micaceous 50%; shale, medium gray 50%
100 - 120 - Shale, light to medium gray, slightly silty; clay
120 - 132 - Shale, light to medium gray; clay, medium gray 20%
132 - 135 - As above with traces tan shale
135 - 142 - Shale, light to medium gray; clay, medium gray 30%
142 - 146 - Limestone, dark gray, glassy; shale, dark gray, traces pyrite
146 - 147 - Limestone, very dark gray
147 - 148 - Coal
148 - 152 - Limestone, dark gray 70%; clay 30%
152 - 155 1/2 - Shale, medium gray; quiet rig
155 1/2 - 158 - Limestone, dark gray; loud rig
158 - 161 - Underclay, light gray; traces limestone, dark gray and light gray
161 - 162 - Limestone, tan; loud rig
162 - 163 - Limestone, black
VERDIGRIS Ls. 163 - 165 - Limestone, mixed tan, dark gray, black
165 - 169 - Shale, dark gray to black
169 - 170 - Coal
170 - 173 - Underclay with black shale
173 - 177 - Siltstone, light gray
177 - 179 - Shale, medium gray to dark gray with underclay
179 - 190 - Siltstone, dark gray
190 - 194 - Shale, dark gray, silty
194 - 204 - Sandstone, brown; oil on pit

June 2, 1979

- 204 - 218 - Sandstone, dark brown to medium gray, micaceous; change in drill sound; quiet rig; faster drilling
218 - 223 - Clay, medium gray; river gravel ?; chert, brown
223 - 227 - As above and with shale, black 30%
227 - 229 - Siltstone; trace shale; lost clay above; slight odor
229 - 230 - Siltstone; 40% shale, dark gray
230 - 231 - Sandstone, light gray to gray; trace siltstone; trace shale; clay 5%, medium gray
231 - 232 - Sandstone, dark gray to black; trace clay, light gray
232 - 235 - Sandstone, more brown than above; oil odor; clay, medium gray; gives appearance of lighter sandstone
235 - 239 - Sandstone, gray; trace clay, light gray; trace river gravel < 5%

239 - 242 - Shale, light gray 20%; sandstone, gray; trace clay, light gray; no odor
242 - 245 - Shale, light gray; trace siltstone
245 - 250 - Siltstone, gray; slight odor
250 - 262 - Silty shale, gray, clean; very slight odor
262 - 268 - Shale, dark gray; trace light gray clay; trace gray siltstone,
approximately 20%
268 - 269 - Shale, dark gray to black; trace siltstone
269 - 270 - Shale, dark gray to black 20%; clay, light gray
270 - 273 - Clay, light gray 40%; shale, black; trace siltstone
273 - 281 - Siltstone, light gray; clay; trace shale, dark black
281 - 285 - Siltstone, light gray to gray; trace clay, light gray to brown
285 - 287 - Sandstone, gray 40%; siltstone, gray; trace clay; trace shale, black;
slight odor; rig made connection, possible cavings
287 - 288 - Siltstone, gray to black; trace shale, black
288 - 289 - Silty shale, red 50%; siltstone, gray
289 - 291 - As above
291 - 292 - Shale, silty 80% gray - 20% red; trace clay
292 - 297 - Shale, silty, gray to green, clean
297 - 303 - Shale, silty, gray 5%; clay, brown; trace black shale
T.D. @ 303'