

Wnumber: 37605

Name Owner: IOWA CITY, CITY OF (#2)

County: JOHNSON (IA) Quad map:

Location: T79N R6W Section 2

Elev: Total depth: Depth to bedrock:

Driller: WINSLOW WELL CO.

Date drilled

Site type: Sample type: Log data:
Drilled hole Chips

Sample location: TABLE Prod:

Geologist: Log date: / / Geo: Casing: WQ:

no driller's log
as of 2-29-96
JG

Wnumber: 37605

Owner: IOWA CITY, CITY OF; #2

County: JOHNSON (TON ROW Sec 0)

TD: 415

Elev: Log by: LANGE, RICHARD J.

Log date: 04/16/1996

Depth top	Depth bot	Lithologic description
0.0	5.0	Silt, yel.brn., tr. Ls. & tr. sd grains
5.0	10.0	Diamicton/ox/l, dk. brn. & mott. gr., slty. (50%); Silt, org.brn. (30%); Sd., clr. -> lt. yel., f. -> v.c., A. -> r. (20%)
10.0	15.0	Sd., clr. -> lt. yel., v.f. -> v.c., a. -> r.
15.0	20.0	Diamicton/ox/l, dk. brn. & mott. org., slty., tr. pebbles (20%); Diamicton/ox/l, tan & mott. gr. (60%); Sd., clr. -> lt. yel., v.f. -> v.c., a. -> r. (20%)
20.0	25.0	Diamicton/ox/l, dk. brn. & mott. gr., slty., tr. pebbles (10%); Diamicton/ox/l, tan & mott. gr. (90%) REM: trace fe-stains
25.0	30.0	Diamicton/ox/l, org.brn. & mott. gr., v. sdy., tr. pebbles
30.0	35.0	Diamicton/ox/l, org.brn. & mott. gr., v. sdy., tr. pebbles REM: sandier than previous
35.0	40.0	Diamicton/ox/l, org. & mott. gr., slty.
40.0	45.0	Silt, org.brn. (40%); Diamicton/ox/l, mott. org. & grn.gr., slty. (60%)
45.0	50.0	Ls., lt. org.brn., SL -> f., sltly. arg., dissem. pyrite, scatt. Brachs. & tr. Crin. REM: some sand present
50.0	55.0	Ls., lt. org.brn., SL -> f., mod. arg., tr. iron stain, scatt. Brachs. & tr. Crin. (75%); Ls., gr., slt.gd. -> f., mod. arg., tr. Brachs. (25%) REM: some sand present
55.0	60.0	Ls., lt. org.brn., SL -> f., mod. arg., tr. iron stain, scatt. Brachs. & tr. Crin. (30%); Ls., gr., slt.gd. -> m., mod. arg., tr. iron stain & tr. pyrite, abnt. Brachs. & abnt. Bryo. (70%)
60.0	65.0	Ls., gr., slt.gd. -> m., mod. arg., scatt. calcite(R), abnt. Brachs. & scatt. Bryo. REM: looks wthrd on some surfaces
65.0	70.0	Ls., gr., slt.gd. -> m., mod. arg., scatt. calcite(R), abnt. Brachs. & scatt. Bryo. REM: looks wthrd on some surfaces
70.0	75.0	Ls., gr., slt.gd. -> m., arg., tr. calcite(R), tr. Brachs. & abnt. Bryo.
75.0	80.0	Ls., gr., SL -> m., arg., scatt. calcite(R), scatt. Brachs. & scatt. Bryo. REM: tr. of ls. breccia
80.0	85.0	Ls., lt. brn. -> lt. gr., f. -> c., mod. arg., scatt. calcite(R), scatt. Crin. & tr. Brachs.
85.0	90.0	Ls., lt. gr. brn. -> dk. gr., slt.gd. -> m., arg., scatt. calcite(R), tr. Brachs. & tr. Crin. REM: looks wthrd on some surfaces
90.0	95.0	Ls., lt. gr. -> dk. gr., slt.gd. -> m., mod. arg., abnt. calcite(R), scatt. Brachs. & tr. Crin.
95.0	100.0	Ls., lt. gr. -> dk. gr., slt.gd. -> m., mod. arg., abnt. calcite(R), scatt. Brachs. & tr. Crin.
100.0	105.0	Ls., lt. gr. brn., slt.gd. -> m., mod. arg., tr. pyrite, tr. Brachs. & scatt. spks.&bars (70%); Ls., lt. gr. brn. -> gr., SL, tr. pyrite, tr. Brachs. (20%); Ls., lt. gr. brn. -> gr., v.f. -> f., sac., sltly. arg., abnt. pyrite (10%)
105.0	110.0	Ls., lt. gr. brn. -> gr., SL -> v.f. (35%); Ls., lt. brn., f., sac. (5%); Ls., lt. brn. -> lt. gr. brn., slt.gd. -> m., tr. calcite(C), tr. Brachs. & scatt. spks.&bars (60%)
110.0	115.0	Ls., lt. brn. -> gr., slt.gd. -> v.f., tr. Brachs. (60%); Ls., lt. brn. -> lt. gr. brn., slt.gd. -> m., tr. pyrite, tr. Brachs. & scatt. spks.&bars (35%); Ls., gr. -> lt. gr.

		brn., f., sac., tr. pyrite (5%)
115.0	120.0	Ls., lt. red.brn. -> gr., SL -> v.f., tr. Brachs. (70%); Ls., lt. brn.gr. -> gr., slt.gd. -> m., abnt. spks.&bars (20%); Ls., lt. brn.gr. -> gr., v.f. -> f., sac., scatt. pyrite (10%)
120.0	125.0	Ls., gr., SL -> v.f. (5%); Ls., bf. -> lt. gr., v.f. -> m., subsac. -> sac., scatt. calcite(R), tr. Brachs. (95%) REM: tr. sh., brn., lam.
125.0	130.0	Dol., lt. brn.gr. -> gr., v.f. -> m., sac. & vug., mod. calc. (90%); Ls., bf. -> gr., v.f. -> m., subsac. -> sac. (10%)
130.0	135.0	Dol., lt. gr. brn. -> lt. gr., v.f. -> m., sac. & vug. (85%); Ls., bf., f. -> m., sltly. arg. (10%); Ls., bf. -> gr., v.f. -> m., subsac. -> sac. (5%)
135.0	140.0	Dol., lt. gr. -> lt. brn., v.f. -> m., sac. & vug., petro.odor (90%); Ls., bf. -> gr., v.f. -> f., sac., scatt. pyrite (8%); Ls., bf., f. -> m., sltly. arg., tr. Brachs. (2%)
140.0	145.0	Dol., lt. gr. brn. -> lt. brn., c. -> m., sac. & vug., petro.odor (95%); Ls., bf., f. -> m., sltly. arg., tr. Brachs. (5%) REM: trace of stylolites in ls.
145.0	150.0	Dol., lt. gr. -> lt. brn., v.f. -> m., sac. & vug., mod. calc., petro.odor (90%); Dol., gr., v.f. -> m., sac., sltly. calc. (10%) REM: trace dk. gray shale and ls
150.0	155.0	Dol., lt. gr. -> lt. brn., v.f. -> m., sac., sltly. calc., tr. petro.odor (40%); Dol., gr., v.f. -> m., sac., sltly. arg. & mod. calc., tr. sd grains & tr. pyrite (30%); Dol., tan -> lt. brn., v.f. -> m., sac., sltly. calc., tr. Crin. (30%)
155.0	160.0	Dol., bf. -> dk. gr., v.f. -> m., subsac., sltly. arg. & sltly. calc., scatt. sd grains & tr. pyrite (80%); Dol., tan -> lt. brn., v.f. -> m., sac., sltly. calc., tr. Crin. (20%)
160.0	165.0	Dol., bf. -> dk. gr., v.f. -> m., subsac., sltly. arg., scatt. sd grains & tr. calcite(R) (85%); Dol., tan -> lt. brn., v.f. -> m., sac., sltly. calc., tr. Crin. (5%); Dol., lt. brn., f. -> m., sac., tr. petro.odor (10%)
165.0	170.0	Dol., bf. -> dk. gr., v.f. -> m., subsac., sltly. arg., scatt. sd grains & abnt. pyrite (90%); Dol., tan -> lt. brn., v.f. -> m., sac., sltly. calc., tr. Crin. (10%)
170.0	175.0	Dol., lt. brn. -> dk. gr., v.f. -> m., subsac. -> sac., sltly. arg., scatt. pyrite & tr. Chal., tr. Brachs. (45%); Dol., lt. brn., f. -> m., sac., mod. calc. (10%); Ls., bf., v.f. -> m., subsac. (45%) REM: tr. gr. sh. and tr. org. cht.
175.0	180.0	Dol., gr., v.f. -> m., subsac., mod. calc., scatt. sd grains & tr. pyrite (15%); Dol., lt. brn., f. -> m., sac., mod. calc. (5%); Dol., lt. brn. -> dk. gr., slt.gd. -> m., subsac. -> sac., sltly. calc., tr. pyrite (80%)
180.0	185.0	Dol., gr., v.f. -> m., subsac., mod. calc., scatt. sd grains & tr. pyrite (10%); Dol., lt. brn., f. -> m., sac., mod. calc. (5%); Dol., lt. brn. -> dk. gr., slt.gd. -> m., subsac. -> sac., sltly. calc., tr. pyrite (85%) REM: trace of v. sndy shale
185.0	190.0	Dol., m. gr. -> dk. gr., slt.gd. -> f., subsac., arg. & sltly. calc., tr. pyrite (30%); Ls., lt. gr. -> dk. gr., slt.gd. -> f., subsac., arg., dissem. pyrite & abnt. Chal. (50%); Sh., lt. grn.gr., mod. calc. & sdy., scatt. pyrite (20%)
190.0	195.0	Dol., m. gr. -> dk. gr., slt.gd. -> f., subsac., arg. & sltly. calc., scatt. porous & tr. iron stain (60%); Ls., lt. gr. -> dk. gr., SL -> f., subsac., arg., dissem. pyrite & abnt. Chal. (20%); Sh., lt. grn.gr., sdy., tr. pyrite (20%)
195.0	200.0	Dol., m. gr. -> dk. gr., slt.gd. -> f., subsac., arg. & sltly. calc., scatt. porous, tr. Brachs. (75%); Ls., lt. gr.

		-> dk. gr., SL -> f., subsac., arg., dissem. pyrite & abnt. Chal. (20%); Sh., lt. grn.gr., sdy., tr. pyrite (5%)
200.0	205.0	Dol., lt. gr. -> dk. gr., SL -> m., subsac., scatt. porous & tr. pyrite (75%); Sh., lt. gr. -> lt. grn.gr., waxy -> blkcy., sdy., abnt. pyrite (25%)
205.0	210.0	Dol., lt. gr. -> dk. gr., SL -> m., subsac., sltly. calc., scatt. porous & tr. pyrite, scatt. Crin. (95%); Sh., lt. gr. -> lt. grn.gr., waxy -> blkcy., sdy., abnt. pyrite (5%)
210.0	215.0	Dol., lt. gr. -> dk. gr., SL -> m., subsac., sltly. calc., scatt. porous & tr. pyrite, scatt. Crin. (80%); Sh., lt. gr. -> lt. grn.gr., waxy -> blkcy., sdy., abnt. pyrite (5%); Dol., bf., v.f. -> f., sac., tr. pyrite (15%)
215.0	220.0	Dol., lt. gr. -> dk. gr., SL -> m., subsac., sltly. calc., tr. iron stain & scatt. porous, tr. Crin. (85%); Dol., bf., v.f. -> f., sac., tr. pyrite (5%); Sh., lt. gr. -> lt. grn.gr., waxy -> blkcy., sdy., abnt. pyrite (10%)
220.0	225.0	Dol., lt. gr. -> dk. gr., SL -> m., subsac., sltly. calc., scatt. porous & tr. iron stain, scatt. Crin. & tr. Brachs. (95%); Sh., lt. gr. -> lt. grn.gr., waxy -> blkcy., sdy., abnt. pyrite (5%)
225.0	230.0	Dol., lt. gr. -> dk. gr., SL -> m., subsac., sltly. calc., scatt. porous & tr. iron stain, scatt. Crin. (90%); Sh., lt. gr. -> lt. grn.gr., waxy -> blkcy., sdy., abnt. pyrite (10%)
230.0	235.0	Dol., lt. gr. -> m. gr., SL -> c., subsac., sltly. calc., scatt. porous & tr. iron stain, tr. Crin. (80%); Sh., lt. grn.gr., lam., sltly. calc., abnt. pyrite (20%)
235.0	240.0	Dol., lt. gr. -> m. gr., SL -> c., subsac., sltly. calc., scatt. porous & tr. iron stain, tr. Crin. (95%); Sh., lt. grn.gr., lam., sltly. calc., abnt. pyrite (5%)
240.0	245.0	Dol., lt. gr. -> m. gr., SL -> c., subsac., sltly. calc., scatt. porous, tr. Crin. (99%); Sh., lt. grn.gr., lam., sltly. calc., abnt. pyrite (1%) REM: por. in dolo. has increased
245.0	250.0	Dol., lt. gr. -> m. gr., SL -> c., subsac., sltly. calc., scatt. porous & tr. iron stain, scatt. Crin. (99%); Sh., lt. grn.gr., lam., sltly. calc., abnt. pyrite (1%)
250.0	255.0	Dol., lt. gr. -> m. gr., SL -> m., subsac., sltly. calc., scatt. porous, scatt. Crin.
255.0	260.0	Dol., dk. gr. -> m. gr., slt.gd. -> m., subsac., sltly. calc., scatt. porous & tr. qtz(E), tr. Crin. (99%); Sh., lt. grn.gr., sltly. calc., abnt. pyrite (1%)
260.0	265.0	Dol., lt. gr. -> m. gr., slt.gd. -> m., subsac., sltly. calc., tr. pyrite, tr. Crin. (99%); Sh., lt. grn.gr., sltly. calc., abnt. pyrite (1%)
265.0	270.0	Dol., lt. gr. -> m. gr., slt.gd. -> m., subsac. & vug., sltly. calc., scatt. porous & tr. qtz(E), scatt. Crin. & tr. Brachs.
270.0	275.0	Dol., bf., slt.gd. -> f., sac., mod. calc., abnt. porous, scatt. Crin. (99%); Sh., lt. grn.gr., sltly. calc., scatt. pyrite (1%)
275.0	280.0	Dol., bf., slt.gd. -> f., sac., mod. calc., scatt. porous & tr. iron stain, scatt. Crin. & tr. Brachs.
280.0	285.0	Dol., bf., SL -> f., sac., mod. calc., scatt. porous & tr. iron stain, tr. Crin. & scatt. spks.&bars
285.0	290.0	Dol., bf., slt.gd. -> f., sac., mod. calc., scatt. porous & tr. pyrite, scatt. Crin. & abnt. spks.&bars
290.0	295.0	Dol., bf. -> lt. gr., slt.gd. -> f., sac., mod. calc., scatt. porous & tr. pyrite, scatt. Crin. & abnt. spks.&bars
295.0	300.0	sample gap
300.0	305.0	Dol., bf. -> lt. brn., slt.gd. -> f., sac., mod. calc., scatt. porous & tr. pyrite, scatt. Crin. & scatt. spks.&bars
305.0	310.0	Cht., wh. -> gr., T (10%); Dol., bf. -> lt. brn., slt.gd. -> f., sac., mod. calc., scatt. porous & tr. qtz(E), scatt. Crin. & scatt. spks.&bars (85%); Sh., lt. grn.gr., abnt. pyrite (5%)
310.0	315.0	Cht., wh., T, scatt. pyrite (20%); Dol., bf. -> lt. brn.,

slt.gd. -> f., sac., mod. calc., scatt. porous & tr. qtz(E),
scatt. Crin. & scatt. spks.&bars (75%); Sh., lt. grn.gr.,
abnt. pyrite (5%)

315.0 320.0 Cht., wh., T, tr. pyrite (10%); Dol., bf. -> lt. brn., v.f.
-> f., sac., mod. calc., scatt. porous & tr. pyrite, tr.
Crin. & scatt. spks.&bars (90%)

320.0 325.0 Dol., lt. brn. -> lt. gr., slt.gd. -> m., sac., mod. calc.,
scatt. porous & tr. pyrite, scatt. Crin. & tr. Coral(C)

325.0 330.0 Dol., lt. brn. -> m. gr., slt.gd. -> m., sac., mod. calc.,
scatt. porous & scatt. pyrite, scatt. Crin. & tr. Coral(C)

330.0 335.0 Cht., bf. -> lt. gr., S -> T, tr. pyrite, tr. Coral(C) (5%);
Dol., lt. brn. -> lt. gr., slt.gd. -> m., sac., sltly.
calc., scatt. porous & tr. pyrite, scatt. Crin. & scatt.
spks.&bars (95%)

335.0 340.0 Cht., bf. -> lt. gr., S -> T, tr. pyrite (10%); Dol., lt.
brn. -> lt. gr., slt.gd. -> c., sac., mod. calc., scatt.
porous, tr. Coral(C) (90%)

340.0 345.0 Cht., wh. -> bf., S -> T, tr. Crin. (20%); Dol., lt. brn. ->
lt. gr., slt.gd. -> m., sac., mod. calc., scatt. porous,
scatt. Crin. & scatt. spks.&bars (80%)

345.0 350.0 Cht., wh. -> gr., S -> T, tr. pyrite, tr. Crin. (30%); Dol.,
lt. brn., slt.gd. -> f., sac., mod. calc., tr. porous (70%)

350.0 355.0 Cht., wh. -> gr., S -> T, tr. pyrite (20%); Dol., lt. brn.,
slt.gd. -> f., sac., mod. calc., tr. porous, tr. Crin. (80%)

355.0 360.0 Cht., wh., T, tr. iron stain (5%); Dol., lt. brn. -> lt.
gr., f. -> m., sac., sltly. calc., tr. porous & tr. pyrite
(90%); Sh., grn.gr., lam., sltly. calc. & clayey (5%)

360.0 365.0 Cht., wh. -> gr., S -> T, tr. pyrite & tr. iron stain, tr.
Bryo. & tr. Crin. (35%); Dol., lt. brn. -> lt. gr., f.,
sac., sltly. calc., tr. porous & tr. iron stain, tr. Crin.
(65%)
REM: trace sh a.a. and qtz(e)

365.0 370.0 Cht., wh. -> gr., S -> T, tr. pyrite & tr. iron stain (3%);
Dol., lt. gr. brn., f. -> m., sac., sltly. calc., tr. vug. &
tr. pyrite, tr. Crin. (95%); Sh., grn.gr., waxy, sltly.
calc., abnt. pyrite (2%)

370.0 375.0 Cht., wh. -> gr., S -> T, tr. pyrite & tr. iron stain (5%);
Dol., lt. gr. brn., f. -> m., sac., sltly. calc., tr. vug. &
tr. pyrite, tr. Crin. (60%); Dol., lt. brn., slt.gd. -> f.,
sac., sltly. calc. (35%)

375.0 380.0 Cht., wh., S -> T, scatt. pyrite, tr. Brachs. & tr. Crin.
(40%); Dol., gr. brn., f. -> m., sac., sltly. calc., tr.
pyrite & tr. vug., tr. Crin. (60%)

380.0 385.0 Cht., wh., S -> T, scatt. pyrite & tr. qtz(E), tr. Crin. &
tr. spks.&bars (25%); Dol., gr. brn., f. -> m., sac., sltly.
calc., tr. pyrite & tr. vug., tr. Crin. (75%)

385.0 390.0 Cht., wh., S -> T, scatt. pyrite & tr. iron stain, tr. Crin.
& tr. spks.&bars (35%); Dol., gr. brn., f. -> m., sac.,
sltly. calc., tr. pyrite & tr. iron stain, tr. Crin. (65%)

390.0 395.0 Cht., wh., S -> T, scatt. pyrite & tr. iron stain, tr. Crin.
& tr. spks.&bars (15%); Dol., lt. gr. brn. -> gr. brn., f.
-> m., sac., sltly. calc., abnt. pyrite & tr. vug., tr.
Crin. & tr. spks.&bars (85%)

395.0 400.0 Cht., wh., S -> T, tr. Crin. & tr. spks.&bars (10%); Dol.,
lt. gr. brn. -> gr. brn., f. -> m., sac., sltly. calc., tr.
pyrite & tr. iron stain (90%)
REM: lots of cavings present

400.0 405.0 Cht., wh., S -> T, tr. Crin. & tr. spks.&bars (10%); Dol.,
lt. gr. brn. -> gr. brn., f. -> m., sac., sltly. calc., tr.
pyrite & tr. iron stain (90%)
REM: lots of cavings present

405.0 410.0 Dol., lt. gr. brn. -> gr. brn., f. -> m., sac., sltly.
calc., tr. pyrite & tr. iron stain (10%); Sh., gr., lam.,
clayey & sltly. calc. (90%)

410.0 415.0 Sh., gr., lam., clayey & sltly. calc., scatt. pyrite
