

County: JOHNSON (T80N R6W Sec 33 NW SE SW)

TD: 385

Elev: Log by: WHITSETT, THOMAS MICHAEL

Log date: 10/12/1995

Depth top	Depth bot	Lithologic description
0.0	5.0	Soil, m. brn., sdy., ls.
5.0	10.0	Soil, m. brn., sdy., ls.; REM: gravel + plant debris
10.0	15.0	Soil, lt. brn. -> m. brn., sdy. & slty. (60%); Grav., var.color, v.f. -> f., A. -> R. (40%); REM: grav: ls chips + qtz
15.0	20.0	Sd., clr. -> lt. brn., v.f. -> m., a. -> R. (90%); Grav., var.color, v.f. -> f., A. -> R. (10%); REM: silty, gr: qtz, ls, ign
20.0	25.0	Sd., clr. -> lt. brn., f. -> v.c., a. -> R. (80%); Grav., var.color, v.f. -> m., a. -> r. (20%); REM: grav: qtz, ign, ls
25.0	30.0	Sd., clr. -> lt. brn., f. -> v.c., A. -> R. (80%); Grav., var.color, v.f. -> m., a. -> r. (20%); REM: grav comp. a.a.
30.0	35.0	Grav., var.color, v.f. -> m., a. -> r. (20%); Sd., clr. -> lt. brn., f. -> v.c., A. -> R. (80%); REM: grav comp a.a.
35.0	40.0	Sd., clr. -> m. brn., m. -> v.c., A. -> r. (70%); Grav., var.color, f. -> c., A. -> R. (30%); REM: grav: abndt ls, prob boulder
40.0	45.0	Sd., clr. -> lt. brn., f. -> c., A. -> R. (80%); Grav., var.color, f. -> c., A. -> R. (20%); REM: grav comp a.a.
45.0	50.0	Sd., clr. -> m. brn., f. -> v.c., a. -> R. (90%); Grav., var.color, f. -> m., A. -> R. (10%); REM: plant debris; grav:ls, qtz,ign
50.0	55.0	sample gap
55.0	60.0	ls., lt. brn.gr. -> lt. tan, SL -> f., wthrd., tr. Brachs. (60%); Grav., var.color, m., a. -> r. (40%); REM: grav:ls, qtz, ign, met (grnstr)
60.0	65.0	ls., lt. gr. brn. -> dk. gr. brn., SL -> slt.gd., wthrd., ptly. arg. & carb., Brachs. (80%); Grav., var.color, m., a. -> r. (20%); REM: ls: a;so crinoids, pyritized
65.0	70.0	ls., lt. gr. brn. -> dk. gr. brn., SL -> slt.gd., wthrd., ptly. arg. & carb., Brachs.; REM: also crinoids
70.0	75.0	ls., lt. gr. brn. -> dk. gr. brn., f. -> m., wthrd., ptly. arg. & carb., tr. pyrite & scatt. spicules, Brachs. & Bryo.; REM: also calc rhombs
75.0	80.0	ls., m. ol. gr., f. -> c., wthrd., arg. & carb., abnt. calcite(R), Brachs. & Bryo.
80.0	85.0	ls., lt. ol. gr. -> m. ol. gr., f. -> m., wthrd., arg. & carb., scatt. spicules, Brachs. & abnt. spks.&bars
85.0	90.0	ls., m. ol. gr., f. -> m., wthrd., arg. & carb., calcite(R) & tr. petro.odor, Brachs. & spks.&bars
90.0	95.0	ls., lt. ol. gr. -> m. ol. gr., L -> m., wthrd., ptly. arg. & ptly. carb., calcite(R) & tr. petro.odor, tr. Brachs.
95.0	100.0	ls., lt. ol. gr. -> m. ol. gr., L -> m., wthrd., ptly. arg. & ptly. carb., calcite(R) & tr. petro.odor, tr. Brachs.
100.0	105.0	ls., lt. gr. brn. -> m. gr. brn., L -> f., frag., ptly. arg. & ptly. carb., calcite(R) & tr. pyrite, tr. Brachs. (90%); Sh., dk. gr., calc. & slty. (10%)
105.0	110.0	ls., lt. gr. brn. -> m. gr. brn., L -> f., frag., ptly. arg. & ptly. carb., calcite(R) & tr. pyrite, tr. Brachs.; REM: trace shale, a.a.
110.0	115.0	ls., lt. gr. brn. -> m. gr. brn., L -> f., frag., ptly. arg. & ptly. carb., calcite(R) & tr. petro.odor
115.0	120.0	ls., lt. ol. gr. -> m. ol. gr., L -> f., lam. & wthrd., ptly. arg., tr. calcite(R) & tr. petro.odor (95%); Sh., m. gr. -> dk. gr., waxy, calc. & sdy. (5%)
120.0	125.0	ls., lt. ol. gr. -> m. ol. gr., L -> f., lam. & wthrd., ptly. arg., tr. calcite(R) & tr. petro.odor; REM: tr. shale,

		a.a.
125.0	130.0	Ls., lt. ol. gr. -> m. ol. gr., L -> f., lam. & withrd., ptly. arg., tr. calcite(R) & tr. petro.odor (20%); Dol., m. gr. brn., f., subsac., ptly. arg. & sltly. calc. (40%); Dol., tan -> lt. brn., f. -> m., sac. & vug., sltly. calc., tr. petro.odor (40%)
130.0	135.0	Dol., tan -> m. brn.gr., f. -> m., sac. & vug., tr. calcite(R) & abnt. petro.odor
135.0	140.0	Dol., tan -> m. brn.gr., f. -> m., sac. & vug., tr. calcite(R) & abnt. petro.odor (70%); Dol., lt. gr. brn., f., subsac., mod. calc. (30%)
140.0	145.0	Dol., tan -> m. brn.gr., v.f. -> m., sac. & vug., scatt. petro.odor
145.0	150.0	Dol., tan -> m. brn.gr., f., sac. & vug., scatt. petro.odor (50%); Dol., lt. gr. brn., f., subsac. -> sac., ptly. arg. & v. calc., sd grains (50%)
150.0	155.0	Dol., tan -> m. brn.gr., f., sac. & vug., scatt. petro.odor (20%); Dol., lt. gr., slt.gd. -> v.f., lam., arg. & v. calc., calcite(S) (80%)
155.0	160.0	Dol., lt. gr., slt.gd., lam. & withrd., v. arg. & mod. calc., calcite(R) & calcite(S); REM: tr. shale, dk. gray
160.0	165.0	Ls., lt. gr. brn. -> m. gr. brn., m. -> c., sac., dol., dol(R) & abnt. calcite(R)
165.0	170.0	Dol., lt. ol. gr. -> m. ol. gr., m. -> v.c., sltly. calc., tr. pyrite & abnt. dol(R)
170.0	175.0	Dol., lt. ol. gr. -> m. ol. gr., m. -> v.c., sparry, sltly. calc., abnt. calcite(R) & scatt. pyrite; REM: palisade xtals; cave filling
175.0	180.0	Dol., lt. ol. gr. -> m. ol. gr., v.f. -> c., sac. & vug., sltly. calc., tr. calcite(R) & tr. pyrite
180.0	185.0	Dol., lt. gr. brn., SL -> c., sltly. calc. & ptly. arg., tr. calcite(R) & tr. pyrite; REM: tr. shale, dk. gray
185.0	190.0	Dol., lt. brn.gr. -> m. gr., SL -> c., ptly. arg. & mod. calc., abnt. calcite(R) & scatt. pyrite; REM: also spar veinlets
190.0	195.0	Dol., lt. gr. -> mott. org., f., sac. & withrd., calc. (20%); Ls., wh. -> lt. org., SL -> f., subsac. & brec. (60%); Sh., lt. grn.gr. & red.brn., chnky., calc. & sdy., Ls. & sd grains (20%); REM: shale prob. paleosol
195.0	200.0	Dol., lt. gr. -> mott. org., f., sac. & withrd., calc. (50%); Ls., wh. -> lt. org., SL -> f., subsac. & brec. (20%); Sh., lt. grn.gr. & red.brn., chnky., calc. & sdy., Ls. & sd grains (30%); REM: shale prob. paleosol
200.0	205.0	Dol., tan -> org.brn., SL -> m., sac. & withrd. (20%); Cht., lt. org. -> wh., S (40%); Sh., red.brn., chnky., v. calc. & v. sdy., abnt. sd grains & pyrite (40%); REM: shale prob. paleosol
205.0	210.0	Cht., lt. org. -> wh., S (20%); Dol., wh. -> m. org., SL -> m., sac. & withrd., sdy., dissem. sd grains (40%); Sh., red.brn. & grn.gr., chnky., calc. & sdy., Ls. & pyrite (40%); REM: shale prob. paleosol
210.0	215.0	Sh., red.brn. & grn.gr., chnky., calc. & sdy., Ls. & pyrite (20%); Dol., lt. gr. brn. -> bf., SL -> m., subsac., tr. dol(R) & tr. pyrite (80%); REM: shale prob. paleosol
215.0	220.0	Dol., lt. gr. -> bf., f. -> m., sac. & por., sltly. calc., porous, spks.&bars (80%); Sh., lt. grn.gr. -> gr., waxy, slty. & sdy. (20%)
220.0	225.0	Dol., lt. gr. -> bf., f. -> m., sac. & por., sltly. calc., porous, spks.&bars (90%); Ls., lt. brn.gr., m., subsac., dol. (10%); REM: trace of shale, a.a.
225.0	230.0	Dol., bf. -> tan, v.f. -> m., sac. & vug., sltly. calc., abnt. porous, spks.&bars & tr. Crin.; REM: tr. shale, a.a.
230.0	235.0	sample gap
235.0	240.0	Dol., lt. brn.gr. -> m. brn.gr., f. -> m., sac. & vug., sltly. calc., abnt. porous, spks.&bars & abnt. Crin.; REM: fossilmoldic porosity

240.0 245.0 Dol., lt. brn.gr. -> m. brn.gr., f. -> m., sac. & vug., sltly. calc., abnt. porous, spks.&bars & abnt. Crin.; REM: fossil molds up to 1 mm

245.0 250.0 Dol., lt. ol. gr. -> lt. brn.gr., slt.gd. -> m., sac. & vug., ptly. arg. & mod. calc., abnt. porous, spks.&bars (90%); Sh., lt. grn.gr., lam. & waxy (10%); REM: fsmldic porosity

250.0 255.0 Dol., lt. brn.gr., f. -> m., sac. & vug., sltly. calc., abnt. porous, spks.&bars & Crin.; REM: fsmldic porosity

255.0 260.0 Dol., lt. gr. -> lt. brn.gr., SL -> m., subsac. & vug., sltly. calc., scatt. porous, spks.&bars; REM: fossil moldic porosity

260.0 265.0 Dol., v.lt. ol. gr., f. -> m., sac. & vug., sltly. calc., abnt. porous, Brachs. & Crin.; REM: also spcks/bars+fossil molds

265.0 270.0 Dol., v.lt. ol. gr., f. -> m., sac. & vug., sltly. calc., abnt. porous, Brachs. & Crin.; REM: comments a.a.

270.0 275.0 Dol., lt. ol. gr. -> m. ol. gr., f. -> c., sac. & vug., sltly. calc., scatt. porous, spks.&bars & Crin.; REM: fossil moldic porosity

275.0 280.0 Dol., lt. gr., f. -> m., sac. & vug., abnt. porous & tr. petro.odor, spks.&bars & tr. Crin.; REM: fossil moldic porosity

280.0 285.0 Dol., lt. gr., f. -> m., sac. & vug., abnt. porous & tr. petro.odor, spks.&bars & tr. Crin. (30%); Dol., bf. -> lt. brn.gr., f. -> c., sac. & vug., porous, Crin. & Coral(R) (70%); REM: fsmldic poros; spcks&bars

285.0 290.0 Dol., bf. -> lt. brn.gr., f. -> m., sac. & vug., mod. calc., scatt. qtz(E) & porous, spks.&bars & tr. Crin. (95%); Cht., wh., T (5%); REM: fossil molds

290.0 295.0 Dol., bf. -> lt. brn.gr., f. -> m., sac. & vug., mod. calc., scatt. qtz(E) & porous, spks.&bars & tr. Crin.; REM: fossil molds

295.0 300.0 Dol., bf. -> lt. brn.gr., f. -> m., sac. & vug., mod. calc., scatt. qtz(E) & porous, spks.&bars & tr. Crin.; REM: fossil molds; incl brachs

300.0 305.0 Dol., bf. -> lt. brn.gr., f. -> c., sac. & vug., sltly. calc., tr. pyrite & tr. petro.odor, Brachs. & Crin.; REM: also pyrite; fossil molds

305.0 310.0 Dol., lt. brn.gr. -> lt. ol. gr., SL -> c., sac. & vug., tr. pyrite & porous, Crin. & Brachs.; REM: fossil molds; spcks & bars

310.0 315.0 Dol., lt. ol. gr. -> lt. brn.gr., SL -> c., subsac. -> vug., sltly. calc., tr. pyrite & tr. qtz(E), spks.&bars; REM: fossil molds

315.0 320.0 Dol., lt. ol. gr. -> m. ol. gr., SL -> c., sac. & wthrd., sltly. calc., scatt. porous & tr. pyrite, spks.&bars & scatt. Brachs. (90%); Cht., wh. -> ol. brn, S -> T (10%); REM: some fossil molds

320.0 325.0 Dol., lt. ol. gr. -> m. ol. gr., SL -> c., subsac. -> sac., sltly. calc., tr. pyrite & scatt. qtz(E), scatt. Brachs. & tr. Coral(R) (90%); Cht., wh. -> ol. brn, S -> T (10%); REM: some fossil molds

325.0 330.0 Dol., lt. ol. gr. -> m. ol. gr., SL -> v.c., sac. & vug., sltly. calc., mass. dol(R) & scatt. pyrite, spks.&bars & scatt. Brachs. (90%); Cht., wh., T (10%); REM: big rhombs filling dol voids

330.0 335.0 Cht., wh., T (10%); Dol., lt. ol. gr. -> m. ol. gr., f. -> c., sac. & vug., sltly. calc., tr. porous & tr. pyrite, Crin. & tr. Coral(R) (90%); REM: rare fossil molds

335.0 340.0 Dol., m. ol. gr., f. -> c., sac. & wthrd., sltly. calc., tr. porous, spks.&bars (90%); Cht., lt. brn.gr. -> wh., S -> T (10%); REM: dol. incl. stylolites

340.0 345.0 Dol., lt. ol. gr. -> m. ol. gr., f. -> c., sac., sltly. calc., tr. pyrite & tr. qtz(E), spks.&bars; REM: tr cht; rare fossil molds

345.0	350.0	Dol., lt. ol. gr. -> m. ol. gr., f. -> c., sac., sltly. calc., tr. pyrite & tr. qtz(E), spks.&bars (90%); Cht., lt. brn.gr. -> wh., S -> T, Bryo. (10%); REM: bryoz within chert
350.0	355.0	Dol., lt. ol. gr., f. -> c., subsac. -> sac., sltly. arg. & sltly. calc., tr. Cht.
355.0	360.0	Dol., m. ol. gr., f. -> v.c., sac. & vug., sltly. calc., tr. Cht.
360.0	365.0	Dol., m. ol. gr., f. -> v.c., sac. & vug., sltly. calc., tr. Cht. (20%); Dol., lt. brn.gr., f., sac., sltly. arg. & sltly. calc., tr. porous & tr. pyrite, spks.&bars & Crin. (60%); Cht., wh. -> lt. brn.gr., S -> T (20%)
365.0	370.0	Dol., lt. brn.gr., f., sac., sltly. arg. & sltly. calc., tr. porous & tr. pyrite, spks.&bars & Crin. (40%); Cht., wh. -> lt. bl.gr., S -> T, tr. pyrite (60%)
370.0	375.0	Cht., wh. -> lt. bl.gr., S -> T, tr. pyrite (30%); Dol., lt. gr. brn. -> m. gr. brn., f. -> m., sac., tr. porous & tr. Glau., spks.&bars (70%); REM: rare fossilmoldic porosity
375.0	380.0	Dol., lt. gr. brn. -> m. gr. brn., f. -> m., sac., tr. porous & tr. Glau., spks.&bars (20%); Sh., gr. -> m. grn.gr., lam., clayey (80%)
380.0	385.0	Sh., m. grn.gr., lam., clayey
