

STRATIGRAPHY	UNIT	THICKNESS	TOPS	CORE DATA	SAMPLES TS-Thin Sec. X-X-Ray P-Peel Px-Photo C-Chem.	Depth (Ft.)	LITHOLOGY graphic	VARIATIONS modifiers, bedding, structures, contacts	LITHOLOGY lithology, color, texture, accessories, fossils, hardness, fracture or parting Unit No.	ENVIRONMENT OF DEPOSITION
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				No samples	Code: 34-21-2AW-A 15	4660				
1	3.5'	4663				4665		incl. bdg.	fos. mold & mtr. dolz & v. irreg. dist. of pores, some spar dol. plugging	1. Dol. & Sh. Dol. lt. ol. gy (5Y6/1) & brn. gy (5YR4/1); alt. dolz. gnt. and mdst.; pyr. dissem. & nod.; fen. bry. molds v. comm. tr. glauc. pel.; v. hd.; sli. incl. bdg. - mod. oil stn. Sh. gnsh. gy (5G6/1), pyr. dissem., distort. bdg., slick sd.
2	2.5	4666.5				4670		graded shell bed above minor abrasion surf.	fos. mold & dolz mtr. & mtr. & v. sli.	2. Dol. brn. gy (5YR4/1), dolz gnt-backst. w/ thin beds of argill. mdst. and lime gnt-pkst.; pyr. conc. in muddy layers, glauc. dissem.; fen. bry. crin. common, tr. cht. repl. crin. lt. oil stn. in mtr.
3	7.7	4669				4675		stylol. mottles w/ sh & Ls irreg. interbd. well bedded	mtr. & tr. overgr. cem. some overly-close pkg.	3. Ls. yel. gy. (5Y8/1) & lt. ol. gy. (5Y6/1), dolc. in mtr. only, sli. argill. Crin.-Bryoz. Pkst-Wkst., tr. cht. repl. crin., pyr., v.f. dissem. glauc.; tr. v. lt. oil stn., spotty
4	1.9	4676.7				4680		stylol. well bedded		4. Dol. v. lt. blu-grn gy (5BG8/1) and lt. brn. gy (5YR6/1) where oil stn. Dolz. Mdst-Bryoz. Wkst., leached, w/ blue-white chert nodules, tr. pyr, tr. glauc., some fos. incomp. dolz., minor calc. spar cem.
5	5.1	4678.6				4685		chert nod. band (oriented) horiz. wavy bedded chert nod. scatt.	vuggy mtr. & (some fine fos. mold) bryoz. fos. mold &	5. Ls. lt. ol. gy (5Y6/1) and med. lt. gy (N6), sli. dolc. mtr., Crin.-Bry.-Brach Pkst-Wkst., spar calc. cem., tr. pyr, tr. glauc.
6	1.9	4683.7				4690		chert nod. band & pyr. nod.	non-porous some overly-close pkg.	6. Dol. gnsh. gy (5GY6/1) dolz. Mdst., mottled, microx'n mtr w/ tr. bryoz. frags. in layers, sli. silty, tr. pyr dissem. and in small nodules, chert nod. in band.
7	1.4	4685.6						v. minor discont. incip. soln. brecc. w/ silt interbed. horiz. bd.	fossil mold & dolz mtr. &	7. Dol. lt. ol. gy (5Y6/1) and brn. gy (5YR4/1), dolz. skel. (bryoz.?) wkst., spar dol. in some vugs. - mod. oil stain
8	2.0	4687						chert nod. faint irreg. lamin.	v.f. tubular (mostly horiz.) & in irreg. lamin.	8. Dol. v. lt. gy (N8), dolz. Mdst., cherty, v. lt. oil stain, spotty, v. sli. silty.
9	3.2	4689						fossil mold & plugged w/ calc. spar		9. Dol. lt. gy (N7) & lt. brn. gy (5YR6/1) dolz. Bryoz-Crin.-Brach. Wkst. tr. glauc., v. sli. argill., mod. oil stain

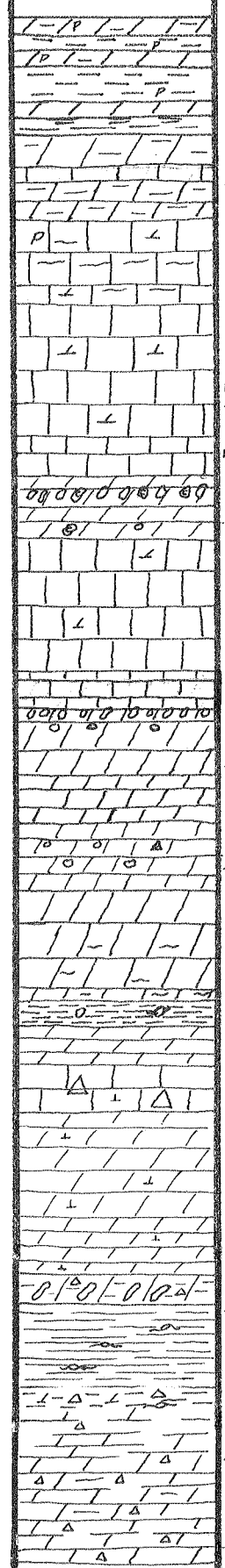
			No samples
1	3.5'	4663	CORE 1: 4649-76
2	2.5	4666.5	
3	7.7	4669	
4	1.9	4676.7	CORE 2: 4676-709
5	5.1	4678.6	
6	1.9	4683.7	
7	1.4	4685.6	
8	2.0	4687	
9	3.2	4689	
10	0.8	4692.2	
11	8.3	4693	
12	2.5	4701.3	
13	5.2+	4703.8	
			4709

Code: 34-21-24W-A
15

Handwritten notes: "Bryoz.", "mod. oil stn.", "incl. bdg.", "graded shell bed above minor abrasion surf.", "stylol.", "mottles w/sh & Ls irreg. interbd.", "well bedded", "stylol.", "well bedded", "frac.", "stylol.", "chert nod. band (oriented) horiz. wavy bedded chert nod. scatt.", "stylol.", "wavy horiz. bedded", "non-porous Some overly-close pkg.", "chert nod. band pyr. nod.", "v. minor discont., incip. soln. brecc. w/silt interbed.", "horiz. bd.", "fossil mold & dolz mtx & bryoz. fos. mold & v.f. tubular (mostly horiz.) & in irreg. lamin.", "faint wavy lamin.", "chert nod. wavy lamin.", "wispy clay lamin. (gn)", "frac. (open)", "horiz. aligned fine wispy, irreg. discont. dk. lamin.", "fine irreg. horiz. lamin. argill.", "frac. chert nod. aligned Sharp", "wavy bedded micro-flaser eyes of grainy chert", "grad. eyes of grainy chert contemp. compact. gesh frac. healed w/ calc. spar", "spicules aligned horiz", "wavy to crinkly lamin, sli. inclined", "compac. around some chert"

Handwritten notes: "Bryoz.", "mod. oil stn.", "incl. bdg.", "graded shell bed above minor abrasion surf.", "stylol.", "mottles w/sh & Ls irreg. interbd.", "well bedded", "stylol.", "well bedded", "frac.", "stylol.", "chert nod. band (oriented) horiz. wavy bedded chert nod. scatt.", "stylol.", "wavy horiz. bedded", "non-porous Some overly-close pkg.", "chert nod. band pyr. nod.", "v. minor discont., incip. soln. brecc. w/silt interbed.", "horiz. bd.", "fossil mold & dolz mtx & bryoz. fos. mold & v.f. tubular (mostly horiz.) & in irreg. lamin.", "faint wavy lamin.", "chert nod. wavy lamin.", "wispy clay lamin. (gn)", "frac. (open)", "horiz. aligned fine wispy, irreg. discont. dk. lamin.", "fine irreg. horiz. lamin. argill.", "frac. chert nod. aligned Sharp", "wavy bedded micro-flaser eyes of grainy chert", "grad. eyes of grainy chert contemp. compact. gesh frac. healed w/ calc. spar", "spicules aligned horiz", "wavy to crinkly lamin, sli. inclined", "compac. around some chert"

4660	TS-1
4665	TS-2
4670	TS-3
4675	TS-4
4680	TS-5
4685	TS-6
4690	TS-7
4695	TS-8
4700	TS-9
4705	TS-10
	TS-11
	TS-12
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	TS-14
	TS-15
	TS-16
	TS-17
	TS-18
	TS-19
	TS-20
	TS-21

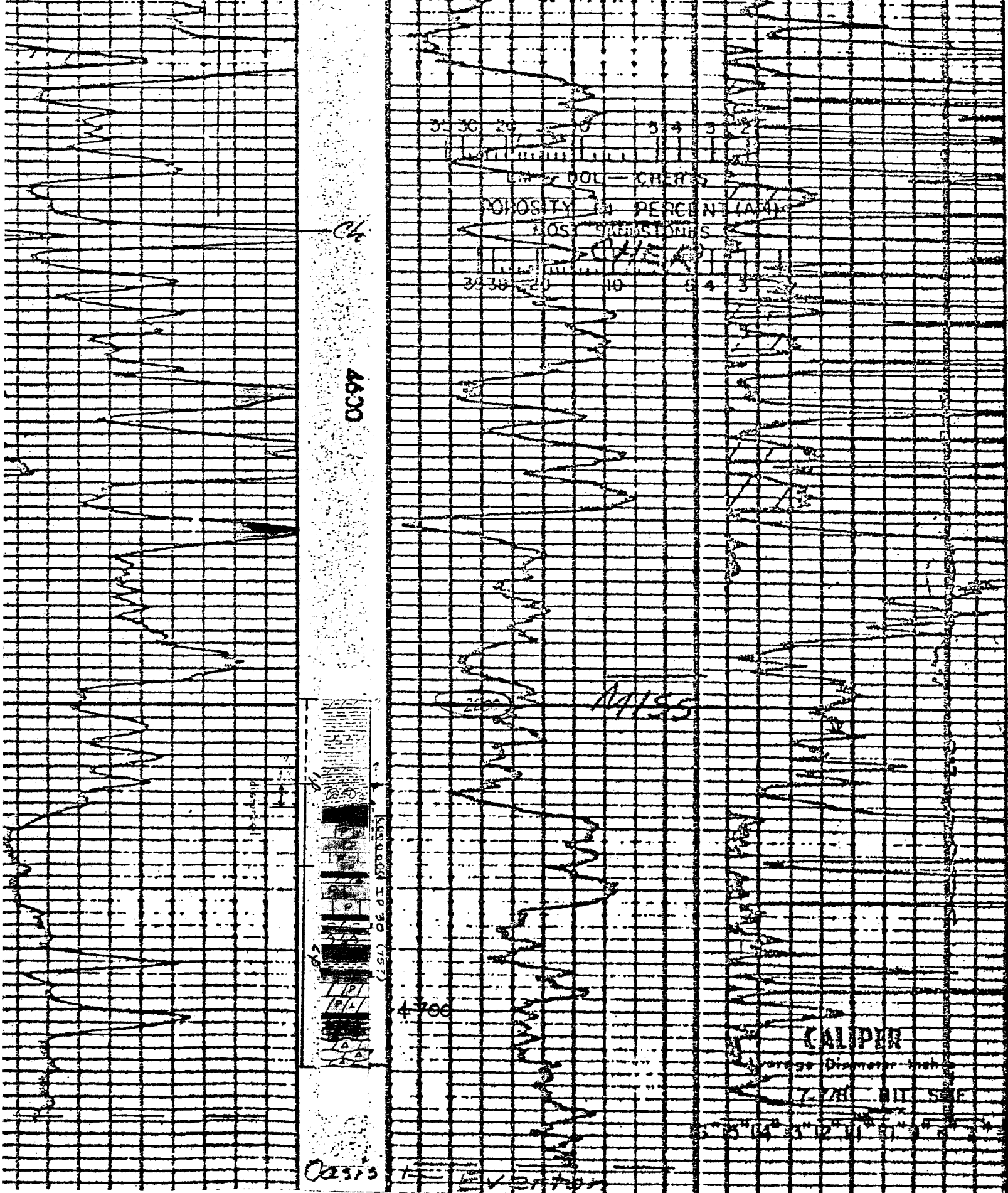


incl. bdg.
fos. mold & mtx. dolz & v. irreg. dist. of pores; some spar dol. plugging
graded shell bed above minor abrasion surf.
stylol.
mottles w/sh & Ls irreg. interbd.
well bedded
stylol.
well bedded
frac.
stylol.
chert nod. band (oriented) horiz. wavy bedded chert nod. scatt.
stylol.
wavy horiz. bedded
non-porous
Some overly-close pkg.
chert nod. band pyr. nod.
v. minor discont., incip. soln. brecc. w/silt interbed.
horiz. bd.
fossil mold & dolz mtx & bryoz. fos. mold & v.f. tubular (mostly horiz.) & in irreg. lamin.
faint wavy lamin.
chert nod. wavy lamin.
wispy clay lamin. (gn)
frac. (open)
horiz. aligned fine wispy, irreg. discont. dk. lamin.
fine irreg. horiz. lamin. argill.
frac. chert nod. aligned Sharp
wavy bedded micro-flaser eyes of grainy chert
grad. eyes of grainy chert contemp. compact. gesh frac. healed w/ calc. spar
spicules aligned horiz
wavy to crinkly lamin, sli. inclined
compac. around some chert

1. Dol. & Sh. Dol. lt. ol. gy (5Y6/1) & brn. gy (5YR4/1); alt. dolz argill. and mds. pyr. dissem. & nod.; fen. bry. molds v. comm. tr. glauc. pel.; v. hd.; sli. incl. bdg. - mod. oil stn. Sh. gush. gy (5G6/1); pyr. dissem.; distort. bdg.; slick sd.
2. Dol. brn. gy (5YR4/1); dolz gnt-packst. w/ thin beds of argill. mds. and lime gnt-pkst.; pyr. conc. in muddy layers glauc. dissem.; fen. bry. crin. common; tr. chrt. repl. argill. lt. oil stn. in mtx.
3. Ls. yel. gy (5Y8/1) & lt. ol. gy (5Y6/1); dolc. in mtx only; sli. argill. Crin.-Bryoz. Pkst-Wkst.; tr. chrt. repl. crin.; pyr.; v.f. dissem. glauc.; tr. v. lt. oil stn.; spotty
4. Dol. v. lt. blu-grn gy (5BG8/1) and lt. brn. gy (5YR6/1) where oil stn. Dolz. Mdst.-Bryoz. Wkst.; leached, w/ blue-white chert nodules, tr. pyr., tr. glauc.; some fos. incamp. dolz.; minor calc. spar cem.
5. Ls. lt. ol. gy (5Y6/1) and med. lt. gy (N6); sli. dolc. mtx.; Crin.-Bry.-Brach. Pkst.-Wkst.; spar calc. cem.; tr. pyr., tr. glauc.
6. Dol. gush. gy (5G6/1) dolz. Mdst.; mottled, micro x'n mtx w/ tr. bryoz. frags. in layers; sli. silty; tr. pyr. dissem. and in small nodules, chert nod. in band.
7. Dol. lt. ol. gy (5Y6/1) and brn. gy (5YR4/1); dolz. skel. (bryoz.?) wkst.; spar dol. in some wgs. - mod. oil stain
8. Dol. v. lt. gy (N8); dolz. Mdst.; cherty; v. lt. oil stain, spotty; v. sli. silty.
9. Dol. lt. gy (N7) & lt. brn. gy (5YR6/1) dolz. Bryoz.-Crin.-Brach. Wkst. tr. glauc.; v. sli. argill.; mod. oil stain
10. Sh med dk gy (N4) to lt gy (N7); v. silty; sli. sd.; sli. calc.; granular chert in irreg. nodules; fine dissem. carb. flecks on lamin.; pyr. dissem.
11. Dol. & Ls-Dol. same as Unit 8 above mod. oil stn. Ls. lt. ol. gy (5Y6/1) crin.-Bryoz. Wkst.; lge. chert nod. w/ relict fossils (Bryoz. & sponge spicules); mtx. dolc.; pyr.; some selec. repl. of crin. by chert (wht-opaq); Ls. as above but Crin.-Bryoz. Pkst. Dol. lt. gy (N7)-lt. ol. gy (5Y6/1) Crin. Mdst.-fossil frags. molds filled w/ clear calc. spar; abun. v.f. dissem. pyr.; fine wispy dk. lamin. argill. & pyr.; chert blue-gray trans.; banded. sli. oil stn.
12. Slst. med. dk. gy (N4) and ol. gy (5Y4/1) argill.; cherty; sli. pyr.; white chert grainy; v. hard. in "eyes" and flattened blebs. (poss. repl. ahy.?)
13. Slst. and Dol. Slst. lt. ol. gy (5Y6/1) and gn. gy (5G6/1); pyr.; as above except for color (sli. calc.) Dol. lt. gy (N7) and yel. gy (5Y8/1) v. silty; pyr.; cherty; sli. argill.; sli. glauc.; non-foss. except for common spicules, siliceous; small chert blebs concent. w/ spicular layers.

C SW SE
34-21-24 W
Bindley Field
Oasis 1 - Everton
Hodgeman Co., Kansas

County Hodgeman



Oasis 1-Everton