

HRM 6 Lemon Sese 34-20w Comanche Co.
Sec 14

LYNN WATNEY

COLLECTION

Ø section missing at top of Purpe

transgressive 4777 dk. brown-gray wackest., sli-mod. argill. scat. - Abund. gastropods, pelec., encrusting forams detached; scat. phylloid algae, crinoids, burrowed patchy clusters of fossils

4779 upper - gr-brn. mod. firm calc. shale w/ scat. brach - flat semi-artic., mm sized and scat. pelec. valves - mm sized; wavy disartic. lam. in shale

 burrowed contact, cm relief (v/sharp)

lower → gr.-lt. gr. siltst., argill., non fossilif.; firm, burrowing at least 3-4 cm ^{below} top

4780 gr. grn. silt, ^{v/calc} argill.; rounded nodules cm sized micritic CO₂ (calc.) - brn. to dk. brown mottled cut by sm. fracs. and circular mm sized voids - lam. of silt distorted around nodules → (caliche?)

~~**~~ 4780.5 brn to dark brown oolite, grains 0.25 - .5 mm w/ scat. forams and encrusting forams on grains; dense cemented, cut by sol'n fissures w/ extensive alteration surrounding sol'n cavity (cm sized), one w/ quartz silt - u/dose at bottom of void filled w/ c. spar

crust → capped by 2-3 mm thick flattened micrite calcite crust. on smooth but wavy upper surface on oolite w/ relief ~ 3-5 cm in core
overlying crust is grt silt-gr. brn. w/ scat. oolites, many dolomitized

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4786.5 brown highly altered w/ abund. granular cement, oolite and biocl. grainst. mixed type; oolite 0.12 - .25 mm - fine scat. molds and vups., oil stain slight. fair por. & perm. ; occ. brach. and for. cm patches of silic.

4788 AA, oolite w/ intense alt. incl. scat. patches c. colo. replace, cm vups w/ occ. dogtooth ^{crack} ~~scar~~ M.; mottled lt. br. to br. w/ granular (?) cement; patchy distrib of molds.

4789 biocl. weckert, brach, pelce, scat. crinoids, poorly preserved fossils, scat. oolites and peloids; dk br. creamy matrix w/ intensely mottled lt. br. - dk. brown areas; granular cement (?), vups to cm sized (open), scat. c. colo. filling portion of vups.; scat. brach. molds.

4790 back to big alt. oolite ($\frac{1}{16}$ - $\frac{1}{4}$ mm)

4791 "leopard look" lt. br. granular and cream cm rounded but irreg. distrib patches and dk gr. br. weckert. matrix; scat. brachs w/ broken shells ~~and~~ ^{to} semi. artic; brach spines common; stylolites common

4793 ^{color} mottled cm sized dk gr. - gr. to lt. brown; areas many are transitional color change; scat. discontinuities, scat. dk gr. wispy sh. lam.; - stylolitic scat. - abund. brachiopod debris incl. spines, scat. crinoid

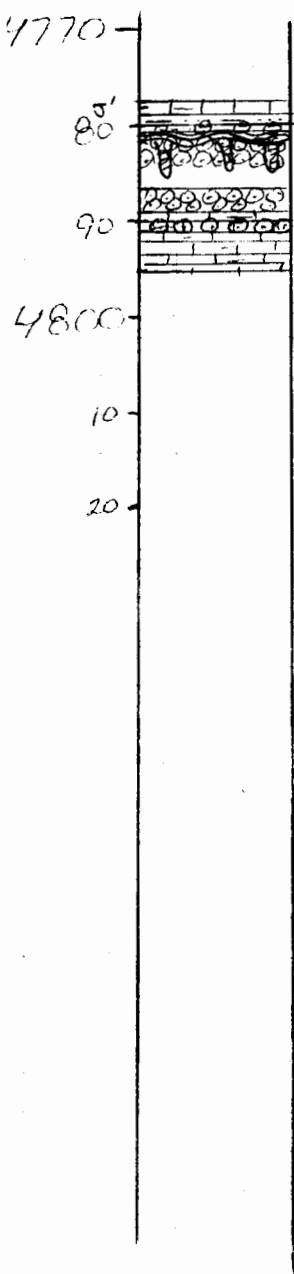
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4795 increasing brachs - sm. large cm-sized; scat. ooloids (more
impt.) wavy but distinctly bedded ~~sh. gray~~ shale - st. lentic
less alteration → texture preserved but still colored mottled
sh. gray - 1 ft. sm. ; distortion cracks filled by sp. m.

KRAM #6 Lennon

Sec 14
se 34-20w

Comanche Co.



4777 (J') dk brn-gr. wackest, silt-mud, argil., scat. gastro, pelec
Ef (detached), crinoids, phylloid algae, burrowed patchy clusters
fossils

4778-80 (upper) gr-brn firm clst sh w/ scat. brach. (-flar),
pelec valves (mm sized), wavy sh lam. to lower - top w/
cm relief, burrowed unfossil. siltst., gr-green color
[transgressive - regressive contact]

4780-80.5 gr-gr. w/ calc., argil. siltst., rounded cm sized
micrite nodules - brn to dk brown mot. cut by small fractures
(calc.?)

80.5 (sample) - dk brn-brn, densely cemented oolite, 0.25-5 mm
grains, extensive alteration w/ soln cavities, fissures, cm
sized w/ next. around voids, vadose silt part fill
w/ c. spar on top, scat. forams, Ef on grains
X top - oolite capped by dk brn. 2-3 mm crust of micrite,
smooth wavy upper w/ 3-5 cm relief, above is
gtz silt w/ gr brn scat. dolo. ooids
Subaerial crust

80.5-89 - oolite, brown, highly ACT.; fr. pruned, w/
mixed layers oolite and brack. grainst., scat. molds and vugs,
slip oil sh., fair P&P, ool. brach and forams,
patches silic. BB-scat. patches c. dolo. spar replacement,
cm vugs w/ ool. dogtooth calc. spar xts., mottled color
from lt. brn. to brn. w/ granular cement, patchy moldic

89-90 - brack. wackest., brack. pelec, crin., poorly preserved,
scat. ooids and peloids, lt. brn. creamy matrix w/
intensely mot. lt. brn - dk brn. areas, granular cement
vugs to cm size (open), scat. c. dolo. fill portions of vugs.

90-91 - hug. act. oolite (1/2 - 1/4 mm diam.) AA

91-95 dk brn. wackest. w/ intense mot (Leopard Rth.)
(btm. cone) w/ lt. brn. granular and cream cm imp. rounded
patches, scat. brachs; spines, stylolites down to 93
wackest. AA w/ abundant brach., spines, crinoids w/
dk gr. wavy sh. lam. - stylolite, scat. discontin.
fractures; 95: larger brach., scat. crinoids, wavy
but more distinctly bedded shale (dk gr.),
less alteration

KRM #6 LEMON

SE SE Sec. 14-34S-20W Comanche County

4777-79 (J') dk. brn.-gr. wackest. ^{oae} slit mod. argil., ^{laccol} scat. gastro, ^{terro} peke Ef (detached), crinoids, phylloid algæ, burrowed patchy clusters fossils.

4779-80 (Upper) gr.-brn. firm calc. sh. w/scat. small brach. (-flat), pelec valves (mm sized), wispy sh. lam. to lower-top w/cm relief, burrowed unfossil. siltst., gr-green color. (transgressive-regressive contact).

4780-80.5 Gr.-grn v/calc., argil. siltst., rounded cm sized micrite nodules-brn. to dk. brown mot. cut by small fractures (caliche?).

80.5 (sample) - dk. brn.-brn., densely cemented oolite, 0.25-.5mm grains, extensive alteration w/sol'n. cavities, fissures cm sized w/rextl. around voids, vadose qtz. silt part fill w/c. span on top, scat. forums, Ef on grains top-oolite capped by dk. brn. 2-3 mm crust-subaerial crust of micrite, smooth wavy upper w/3-5 cm relief, above is qtz. silt w/gr. brn. scat. dolo. ooids.

86.5-89 Oolite, brown, highly act.; fn. grained, w/ mixed layers oolite and biocl. grainst., scat. molds and vugs, slight oil stn., fair PSP, occ. brach and forams, patches silic., 88-scat. patches c. dolo. spar replacement, cm vugs w/occ. dogtooth carc. spar xlts., mottled color from lt. brn. to brn. w/granular cement, patchy moldic.

89-90 Biocl. wackest., brach, pelec, crin., poorly preserved, scat. ooids and peloids, dk. brn. creamy madrix w/intensely mot. lt. brn-dk. brn. areas, granular cement, vugs to cm size (open), scat. c. dolo. fill portions of vugs.

90-91 Hvy. alt. oolitic (1/16 - 1/4 mm diam.) AA.

91-95 Dk. brn. wackest. w/intense mot. (Leopard Rk.) (btm. core) w/lt. brn. granular and cream cm irreg. rounded patches, scat. brachs; spines, stylolites down to 93 wackest. AA w/abund. brach, spines, crinoids w/dk. gr. wispy sh. lam.-styletic, scat. discontin. fractures; 95. incr. larger brachs, scat. crinoids, wispy but more distinctly bedded shale (dk. gr.), less alteration.