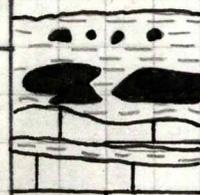
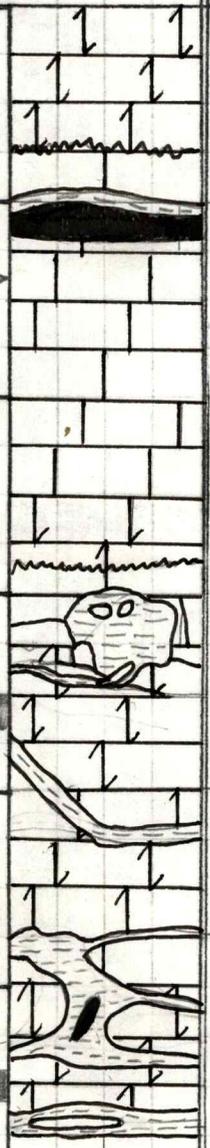
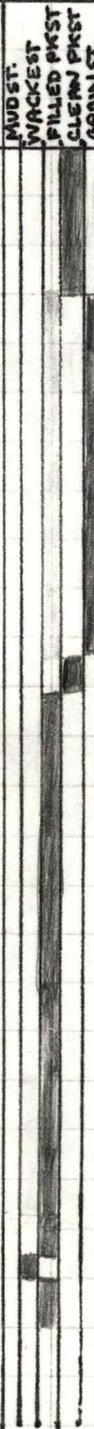


NO.	LEASE	SPOT	LOCATION	COUNTY	INTERVAL	BOX NO.	PAGE	
1	CLARK B	NE SW	12-31-18	COMANCHE				
	ROCK NAME	MUD ST. WACKED FILLED PKST CLEAN PKST GRAIN ST.	FOSSILS AND PARTICLES	DIAGENETIC FEATURES	POROSITY	COLOR	OIL STAIN S M H	COMMENTS
90			chrt breccia in grn sh arg. limestone grn sh lime pkst	▽ @ ■		dk grn		Core is all Warsaw (Mid to Upper Warsaw) Core contains all of Warsaw except lower 25'-45'
91			grn calc sh lime mdst grn chert lime pkst grn chrt sh	□ # ♡		grn + wh brn brn/grn		chert breccia in dk grn sh
92			□ ♡ # ♡	chert repl. some fossils (f. in WP)		chert green limestone brn/grn		grn calc sh lime mdst lens chert is glauconitic, calcitic

NO.	LEASE	SPOT	LOCATION	COUNTY	INTERVAL	BOX NO.	PAGE	ROCK NAME	FOSSILS AND PARTICLES	DIAGENETIC FEATURES	POROSITY	COLOR	OIL STAIN	COMMENTS
								S	M	H				
93								cherty crinoid-bryozoan lime pkst v. arg. arg. cherty ech-bry grst	⊖ ∩ # ⊖ # ∩ ⊖ ab c ab c	⊖ ⊖ ⊖ ab ⊖ ∇				glauconite in WP
94								arg cherty crinoid-bryozoan pkst		⊖ ⊖				
95								v. arg. cherty crinoid lime pkst	⊖ ∩ ∩ #	∇ repl. ∩ # shaly seam				skel grns much larger ^(up to 4 mm) with grn shaly lenses and seams
96								arg. crinoid lime pkst	⊖	⊖ ⊖		grn-brn + blk		DST #1 4992-5019 R 30' M
97								crinoid pkst intraclasts in grn foss. shale conglomerate		⊖ ab ⊖ ab		grn-blk + gr		
98														



	ROCK NAME	MOST WACKED FILLED PKST CLEAN PKST GRAIN ST.	FOSSILS AND PARTICLES	DIAGENETIC FEATURES	POROSITY	COLOR	OIL STAIN S M H	COMMENTS
	cherty dolo lime wkst			■ ⊙				
5	cherty dolo lime wkst			■ ⊙				
6	cherty spiculate-dolomite/shale conglomerate		Y!!!	FR. filled w/ dolo + chert Geodal CC	spiculate-nodd porosity			grn calc sh coats chert nodules geodal cc in limestone lens maybe a cgl'm?
7	cherty ech. bry grst		⊠ # γ ⊙	⊙				
8	cherty ech. bry grst		⊠ # γ ⊙	▽ seams of large FR				
9	cherty ech. bry grst		⊠ # γ ⊙	■ ⊙ FR				dolomite in vert. fractures brown chert
10	sl. dolo cherty lime pkst		⊠ γ # ⊙	∩ ∇ ■				

	ROCK NAME	MUDST. WACKET FILLED PKST CLEAR PKST GRAIN ST.	FOSSILS AND PARTICLES	DIAGENETIC FEATURES	POROSITY	COLOR	OIL STAIN S M H	COMMENTS
10	cherty sli dolo ech. pkst		☐ ∇ # ○	∇ M ≡				vertical stylolite
11	cherty ech-bry dgrst		☐ ∇ # ○	∇ FR geode	VUG (10%)			Geodal qtz
12	cherty oli. cherty glauconitic bryozoan grst		# ○ ○	FR ■ ∇ ≡				very fine grained
13	cherty ech-bry dolopkst		☐ ∇ # ○	≡ FR ∇				White/gray chert has brown porous rim w/ cc or dolo
14	cherty ech-bry dolopkst			FR (10%) ∇ ■ ⊙ ≡				
15	cherty dolo ech bry pkst			≡ ■ ⊙ ∇ ≡				
16				≡				

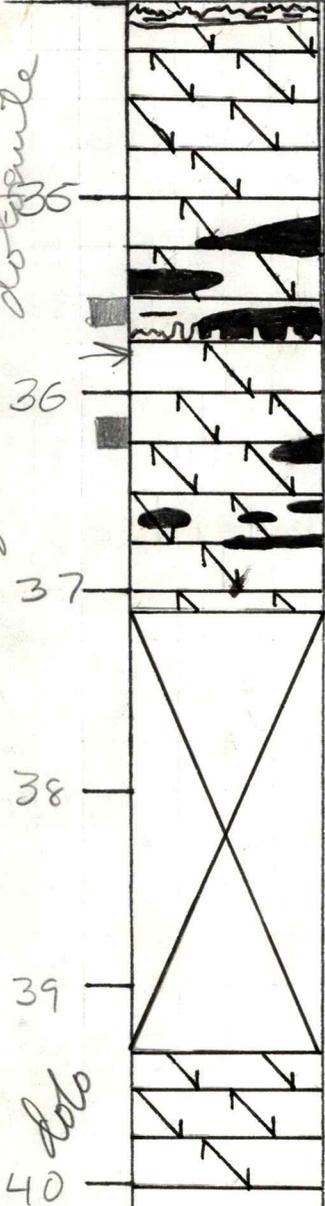
	ROCK NAME	MUDST. WRACKED FILLED PKST. CLEAN PKST. CARBONST.	FOSSILS AND PARTICLES	DIAGENETIC FEATURES	POROSITY	COLOR	OIL STAIN S M H	COMMENTS
	slt dolo leah-bry pkst		# □	■ ~ ~				
29	cherty dolo leah wpkston		□ # ab n	~ ▽ ⊙ ▽ ~				
30					FR(1%)			
31	cherty leah-bry dolo pkst		□ # ab c n	⊙ compactd brack shells containing spar	FR(<1%)			
32			Y	▽ ▽				
33			Y	▽ ⊙ ab	VUG(1%) in chert FR(<1%)	grnish gry		
34	dolowackst.			▽				

1 CLARK B

5310+
5311

Should be dolomite

ROCK NAME	MUST. WACKEST FILLED PKST. CLEAN PKST. GRAIN ST.	FOSSILS AND PARTICLES	DIAGENETIC FEATURES	POROSITY	COLOR	OIL STAIN S M H	COMMENTS
Cherty ech dolo fine wackest		☐ ⊕ γ	⚡				blk sh stylolite
spiculitic cherty ech dolo wackest		☐ ⊕ γ < c	▽ ▽ M ⊕ ab.				
spiculitic cherty ech dolo wackest		☐ ⊕ γ	▽ ▽ ▽				
							DST #3 5036-5054 R 30'M
ech dolo wackest		☐ ⊕ γ					



should be dolomite

	ROCK NAME	MUD ST. WACKER FILLER PKST CLEAN PKST GRAB ST.	FOSSILS AND PARTICLES	DIAGENETIC FEATURES	POROSITY	COLOR	OIL STAIN S M H	COMMENTS
40	cherty glauconitic spicule dol wackst		Y	most Y are calcified Ⓜ ⊕ ab		lt. brown gry		
41			⊕ Y c r Y indert	Ⓜ ▽ ▽	FR (< 1%)			
42			⊕ Y c	▽ ⊕				
43	spiculitic cherty dolo lime wackst		⊕ Y c Y	▽ ⊕ ▽	FR (< 1%)			
44			⊕ c c	Ⓜ ▽				
45	cherty ech dol wackst		⊕ Y c r Y	Ⓜ ▽ ▽ ⊕				
46			Y					

Should be dolomite

	ROCK NAME	MUD ST. WACKEST FILLED PKST CLEAN PKST GRAIN ST.	FOSSILS AND PARTICLES	DIAGENETIC FEATURES	POROSITY	COLOR	OIL STAIN			COMMENTS
							S	M	H	
	Epipelagic cherty sch. dolo wackest.		⊖ c r	▽ ▽		lt. brn- gry				
47			Y ⊖	▽ ▽						
48			Y CHERT	▽ ▽	BC (5%) indert					pseudogypsiferous chert
49			Y	▽						
50			Y Z	▽ ▽	FR (<1%) VUG (1%)					pseudogypsiferous chert
51			Y	▽ ▽ ▽ ▽ ▽						
52				▽ ▽ ▽ ▽						some disseminated white chert

Should be dolomite

	ROCK NAME	MUDST. WACKET FILLED PKST CLEAN PKST GRABST.	FOSSILS AND PARTICLES	DIAGENETIC FEATURES	POROSITY	COLOR	OIL STAIN S M H	COMMENTS
	spiculitic cherty dolo lime wackestone		☐ ⚡ ⚡	▽	VUG (<1%)	lt. brn		DST #4 5051-5064 R 10' M
53	same as below		☐ ⚡ ⚡ ab cc	▽		lt. brn cherty gray wh		
54	same as below		Y	▽		lt. brn		Small pieces of chert are solid, semiopaque gray unlike porous pseudogypsum chert or spiculitic chert
55	same as below		Y	▽	VUG (3%)	lt. brn		chert is porous (pseudomorphous after gypsum?)
56	same as below		Y	▽	VUG (1%) FR (<1%) in chert	lt. brn		
57	spiculitic cherty dolo wackestone		Y	▽		lt. brn		
58				▽				

LEASE 1 CLARK "B"

SPOT

LOCATION

COUNTY COMANCHE

INTERVAL

BOX NO. 5314

PAGE 13

Should be dolomite

ROCK NAME	MUDST. WACKEST FILLED PKST CLEAN PKST GRABIN ST.	FOSSILS AND PARTICLES	DIAGENETIC FEATURES	POROSITY	COLOR	OIL STAIN S M H	COMMENTS
cherty dolopkst		ab c m r	▽				
pkst			▽				
achre			▽				
			▽				
ach bry dolowkst		m m	▽ (G)				
			▽				
v. cherty ach-bry dolowkst		m m	▽				
			▽				
ach-bry dolo cherty limewackest		m m	▽				
			▽				
			▽ (G) TR				
			▽				

Foss. chert has white rinds of Ferran dolomite, is porous

DST # 5 5064-5098
R 90' WM

64

5063

62

61

60

59