

City of Memphis  
Independent School Co  
Book #7  
Book #3

# WELLWORTH

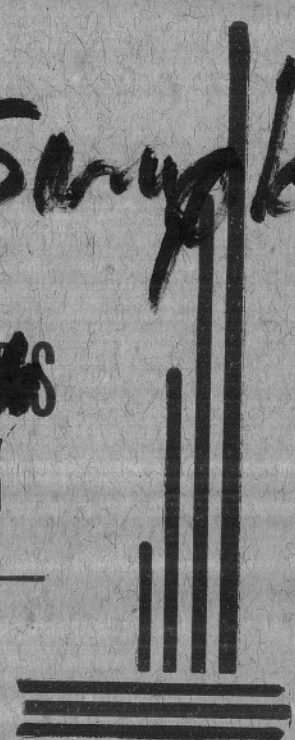
Book #7



Well Samples

~~STENOGRAPHERS~~  
NOTE BOOK

BOOK No. \_\_\_\_\_



From \_\_\_\_\_ To \_\_\_\_\_

# 4173 - City of Mammoth  
(Near C NW 1/4 ?)  
Q-21N-5W Spring M - Fulton Cr  
Elev. 573'  $\frac{0.1c}{0.1R}$  115

55 - Badly weathered - thin appears to be no dolomite in the sample - Res 90%  
light gray to lt br trans ch - wh ch  
chalky ch

59 - Badly weathered - no dolomite visible  
Res - 70% wh to cr, trans ch

66 Badly weathered dolomite - Res  
40% ~~ch~~ trans smoky gray to lt  
br ch - wh earthy ch

71 Lt gy S-gran dolomite - weathered?  
Res 10% ; smoky gy trans ch -  
lt gy sl wh ch; wh chalky ch

75 - Lt gy S-gran dol - weathered -  
Res 20% smoky gy to br trans  
ch - wh in part; wh smooth  
ch - wh earthy ch

#4173

80 Lt gy f-gran dol - weathrd - 25% res  
wh to lt br smst ch v sl, ool -  
wh m-dolomitic ch; wh chky ch

85 Lt gy f-gran dol - weathrd - 20% res  
lt gy basal ch; wh ~~smst~~ chky ch;  
trac wh m-dolomitic ch

89 - Lt gy f-gran & f-xln ch - Res 40%  
lt gy basal ch; wh chky ch with  
m-dolomitic in part - m-sl grs. 00

93 Lt gy f-xln dol - 20% res  
lt gy to lt br-gy slat ch;  
chky wh m-dolomitic ch - f-m  
sl grs 00;

98 Lt br-gy f-xln dol - Res 15%  
f-m rd & fr sl (e.g. res) - lt gy to  
lt br sm slat ch; chky wh  
sl sl sl m-dolomitic ch

#4173

103 Lt. Br-gy f-xlln dol. Res-20%

wh sm ch; chky wh dolomitic

100 ch - f-in sdgss oo.

108 Lt-br-gy f-gran & f-xlln dol;

Res 15% as above

113 Lt Br-gy f-in xlln dol - Res 15%

Lt gy dull m-dolomitic ch; trace

lt gy to lt br sm ch.

118 Lt br-gy f-gran - f-xlln dol; Res 40%

Lt gy sd & stgy sm ch; wh dull

ch; dolomitic wh ch; f-in sdgss oo.

122 Cr f-gran sdgy dolomite; Res 40%

wh vt-m siliceous ss - ~~wh~~ ch

sdgy ch.

127 Cr f-gran sdgy dol; 70% res

vt-c siliceous ss sd & fr in

part, wh sm ch - sdgy in part;

chky wh sdgy m dolomitic ch.

#4173

132 Cr f-gran sdy dth; 58% r2  
wh vt - m siliceous sd; wh  
sm ch; choky wth m-dolomitic

137 Cr f-gran sdy dth; Res 70%  
wh vt-m siliceous sd - 1/4 ft m  
part; lt gy wt & sdy ch; wh  
sm ch; dull wh ch

145 - Cr f-gran sdy dth; 30% r2  
siliceous vt - m sd - rd + fr in  
part. to lt gy sdy ch; trace  
wh sm ch

150 - Lt gy f-gran sdy dth; Res 70%  
lt gy sm ch - 1/4 r2; vt-f  
siliceous sd -; earthy wh  
sdy + dolomitic ch.

155 Lt gy f-gran dth; Res 60%  
vt-m sd + clear sandy ch  
trace lt gy sm ch  
trace lt gy wt ch

#4173

161 Lt gy sty f-gran dot; 25% Res  
wh m-c - dlocatic ch; f-m rd & fr sd-  
ch sty ch.

166 Cr f-gran sty ch; 70% Res  
vt-m silens sd-rd & fr in part.  
~~Cr~~ = Cr & dloc - vt-m ch;

170 Lt br-gy f-xlln dot 25% Res  
vt-f - m sd rd & fr in part; ch  
sty ch; wh m-c dlocatic ch;  
two sm lt gy ch

175 Lt br-gy f-xlln dot; 30% Res  
as above -

178 Lt br-gy f-m xlln dot; Res 20%  
wh vt-m rd & fr sd - free

182 Lt br-gy f-m xlln dot; Res 15%  
vt-m rd & fr sd - wh m-  
dlocatic ch; two lt gy sm  
ch

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186 Lt gy f-xlln dol; Res 40%  
vt-m red fr sd - 1/2 q res -  
cler sdg ch; Lt gy sm ch  
trac wh m dolerostic ch

189 Lt gy f-xlln dol; Res 60%  
as above

192 - Lt dr-gy f-xlln dol 30% res  
Rd E fr vt-m sd 1/2 q res  
wh earthy ch - m dolerostic in  
joint; Lt gy sm sd out +  
sdg ch;

195 Cr f-gran dol; res 10%  
wh sm ch; f-m sd-rd? fr

197 Cr f-gran to f-xlln dol; res 3%  
wh dolerostic ch; cler sdg ch;  
f-m sd gr<sup>oo</sup> - silt sized sd gr

201 Cr f-gran - f-xlln dol - res 4%  
silt sized sand - 90% of res f-  
m sd 0

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205 - Cr f-xlln dot - 57 res

f-m rd & fr sd - siliceous in quartz  
trace lt gy sm ch

209 Cr f-xlln dot; 47 res -

v f-m rd & fr sd - wh f-m  
dolomitic ch; trace lt gy sm ch

215 Cr f-gren <sup>f-xlln</sup> dot; res 52  
ca above

219 Cr f-xlln dot; res 207

vt-m rd & fr sd; trace lt gy  
sm ch. trace wh m-dolomitic ch

224 Lt gy f-gren f-xlln dot =

Res 307 f-m rd & fr sd

317. Lt gy d wh sl ort slgy

wh m-dolomitic ch.

230 Cr f-gren dot Res 207

Lt gy d wh sm sl ort d sl slgy

ch; f-m rd & fr sd 507.



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235 cr f-gran + f xlln dol;  
10% res; wh v f-m rd + fr sd;  
wh sm to dull ch

240 cr f-gran to f-xlln dol  
Res 40% wh to clear sdy  
ch; f-m sd-

245 a f-~~gran~~xlln dol, res 30%  
v f-m siliceous sd; lt gy  
sm ch; wh m-dolomitic ch

250 cr f-gran - f-xlln dol - Res 10%  
as above & clear sdy ch

252 cr f-gran - f-xlln dol - Res 25%  
f-m siliceous ss - lt gy to buff  
sdy & vol sm ch

255 cr f-gran to f-xlln dol - Res 25%  
v f-m rd, fr sd - <sup>much</sup> silt sized  
sand grains; trace lt. gy sandy  
ch

4173

260 - Cr f-gran - f-xlln dol; 7% res  
wh v.f. - m rd & fr sd - Lt br  
sm ch

265 Cr f-gran - f-xlln dol; res 20%  
wh siliceous v.f. - m sd & fr in part  
trace gross silica & m dolocastic ch

270 St. br-gy f-gran dol; Res 60%  
wh sm ch w/ scattered m-dolocastic  
trace f-m sd

272 St. br-gy f-gran f-xlln dol - Res 25%  
v.f. - m sd - rd & fr in part  
trace dull wh m-dolocastic ch  
trace wh - do ch

275 - Cr f-gran dol; Res 15%  
v.f. - m sd & fr in part - trace  
wh sm ch

278 Cr f-gran dol; Res 10%  
silty - m fty gra - trace lt gy  
do rd & sd ch

4173

280 - Cr f-gran dol; Res 5%  
as above

285 - Cr f-gran dol; Res 4%  
vf-m sd - wh & buff  
ds sl f doleritic

290 Lt br-gy f-gran dol; Res 20%  
vf-m rd + fr sd trace lt gy  
sm ch

300 Lt br-gy f-gran dol; Res 17%  
wh sm ch w/ scattered m-dolerite  
trace sdgy ch; vf-m sd

302 Cr f-gran - f-xlla dol; Res 30%  
wh sm ch; sm to dull wh m-c  
doleritic ch; trace lt gy ord ch; trace  
f-sm sd o o

305 Lt br-gy f-xlla dol Res 30%  
wh-lt gy sm ch; dull wh ch;  
trace f sd.

4173

310 St. gy f-xlln dol Res 20%  
vf-m rd & fr sd - trace wh ds ch

312 Cr f-xlln dol; Res 10%  
f-m sd - wh sm ch

317 St. gy f-guan dol Res 20%  
vf-m r & p sd; lt gy sm ch  
cr dull m-dolomitic ch; sdy ch

320 St. gy f-guan dol - Res 20%  
wh - vf-m rd & fr sd; trace  
lt gy sm ch

325 Cr f-guan dol Res 40%  
vf-m r & p sd - siliceous in part  
trace lt gy sm ch; <sup>trace</sup> dull wh  
m-dolomitic ch.

330 Cr v sdy f-guan dol; Res 45%  
wh f-m rd & fr sd; trace  
wh sm ch; low ve oil

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335 Cr f-guen dol Res 30%  
f-m rd & fr sd - trace lt  
gy on ch; very open dull  
wh m dolomitic ch,

340 Cr f-guen - f-xlln dol - Res 20%  
wh v.p. - m rd & fr sd; dull  
wh m dolomitic ch; lt gy on ch,  
trace fine ls and

345 Cr f-guen dol; Res 25%  
vt-m rd & fr sd (1/2 of res)  
dull wh sl m dolomitic ch  
lt gy on ch stg in part

350 Cr f-xlln dol Res 15%  
f-m rd & fr sd; trace lt gy  
on ch; trace dull wh sl m dolomitic  
ch - trace fine ls and.

TD 330'

# 5184 - Independent Gravel Co  
Benton Co, Ark. <sup>TD-265'</sup>

547 - Br-gy f-gran dol; 20% Res  
f-m angular bright sd;  
br & gy ool ch - abundant  
fine ls to buff ool - pitted  
or spotted like golf ball

10 Br-gy f-gran dol; 15% Res  
as above - with yellow-gy sh -

13 Br-gy f-gran dol; Res 15%  
v f-m angular ool - 14 gy  
ool ch - some f ls & buff ool

16 Br-gy f-gran dol; Res 20%  
wh to cr sm ch; f-banded ch; buff  
forms silt - v f sh & gty  
silt -

19 1/4 gy f-gran to f-x/4 dol. Res - 10%  
as above

#5184

22 - Lt gy f- x $\frac{1}{2}$  dol; 2% Res  
f- grows silica & silt sized gtz  
traces free ool.

25 - Lt gy f- gran dol; 2% Res  
bright, clear, gtzose ch - traces  
gtz dls - wh oolites in dk gy ch.

28 - Lt. gy f- gran dol; 4% Res  
wh sm ch w/ very much elongated ool.  
lt gy granular gtz = silt - v f to f  
sd gran oo.

31 Lt. gy f- gran dol; 5% Res  
clear gtzose ch, gtz dls; lt gy  
finely powdered silt.

34 Lt gy f- gran dol; 3% Res  
as above

37 Lt gy f- gran dol; 5% Res  
v siliceous f-m ss & clear  
gtzose ch

#5184

40 Lt gy S-gran dol; 5% Res  
clear gtzose ch. - much S-siltage  
qtz.

43 Lt gy S-gran dol; 10% Res  
Lt gy earthy silt - trace  
gtzose ch

46 Lt gy S-gran dol; 20% Res  
wh sm ch; clear gtzose ch;  
wh earthy ch; trace + silt of  
v. f. sd.

49. Lt. gy S-gran dol; Res 25%  
wh f. cr sm ch; trace clear  
gtzose ch.

52. Lt gy S-gran dol; 20% Res  
wh f. ss siliceous; rd of fr in part

55 Lt gy S-gran dol; Res 20%  
f. sd - rd of fr in part.



#5184

58 St gy S-gran dol; Res 30%  
f-sd & fr sd; base wh sm  
to rough ch.

61 Med gy S-gran dol; Res 20%  
lt gy sm silt ch; two fine  
wh silt; for pyrite, bright ch

64 Med gy S-gran dol; Res 15%  
two wh sm ch; <sup>14%</sup> silt.

67 St gy S-gran dol; Res 15%  
St gy silt & v.f. sd. two lt  
gy sm ch

70 St gy S-gran dol; Res 3%  
silt & v.f. sd; pyrite

73- St gy S-gran dol; Res 4%  
lt & med gy silt

76 St gy S-gran dol; Res 5%  
lt gy, med gy and blue gy  
sh

# 5184

79 - Med gy f-gran dol; Res 3%  
blue-gy sh; trace f-sd.

82 Med-gy f-x/1/2 dol; Res 2%  
as above; trace blue gtyre ch

85 Lt gy f-gran dol Res 20%  
med-gy sh; w/ sm ch - st ady in  
part; trace wh f-dolomite ch; trace  
silt & f sd.

88 Lt gy f-gran dol, Res 4%  
St-m gy silt ansh; trace wh  
sm ch

91 Lt gy f-gran dol; Res 3%  
med-gy sh

94 Br-gy f-gran to f-x/1/2 dol Res 5%  
w sm ch; trace lt gy f-dolomite  
ch; St gy sh; trace f-sd.

#5184

97 Lt gy f-gran dol; Res 15%

Lt gy sm ch; porous silt to  
~~st~~ porous silica; trace lt br  
sdy ch.

100 Lt gy f-gran dol; Res 20%

Lt gy sm ch; fine & clustered  
small clay with and ~~but~~ lt br dol  
lt br dol ch; clear f-sdy ch. <sup>trace</sup> f. ed.

103 Lt. gy f-gran dol; Res 20%

lt-med. gy silt & sh; sm wh  
ch; dull wh dol & sdy ch;

106 Lt gy f-gran dol; Res 20%

as above

109 Med-gy f-gran dol; Res 5%

lt-m gy silt & sh - trace  
wh sm ch. trace fine wh  
dol

#5184

112 Lt gy f-green dot Res 25%  
silt sized & v f sd; trace  
wh sm ch

115 Lt gy f-green dot Res 25%  
silt sized & v f sd; trace  
red-gy sh; trace wh sm ch

118 Lt gy f-green dot; Res 40%  
H gy ch of small-med br ool  
cr sm ch; lt br porous white  
cluster about dissolved

121 Lt gy f-green dot; Res 20%  
Lt gy f-green silt; trace  
wh sh.

124 Lt gy f-green dot; Res 15%  
as above & trace clear  
glucose ch

127 Lt gy f-green dot; Res 20%  
v light gy & blue green sh; dull  
wh f-dolomite ch; gtz masses

5184

130 Lt br-gy f-gran dol; Res 20%  
as above

133 Lt gy f-gran <sup>of, xlls</sup> dol; Res 15%  
much lt gy f-m dolomitic dull ch <sup>with</sup>  
trace lt br sand ch.

136 Lt br-gy f-gran dol Res 15%  
as above

139 Lt br-gy f-gran dol Res 15%  
as above and trace lt gy oil ch  
Some of the dolomitic silt or ch is more  
like finely grained silt.

142 Lt gy f-gran dol; Res 13%  
cr. am. oil ch; trace f-m oil  
trace f-m dolomitic dull. gray ch;  
trace lt gy sh

145 Lt br-gy f-gran dol; Res 25%  
Lt br oil ch; trace v f-lsd

5184

148 - Lt gy f-gran det; Res 20%

Lt br col ch; fine small br col  
and clusters, br col; Lt gy trash ch

151 Cr to Lt gy f-gran det; Res 10%

gtz silt & v.f. sd; trace  
blue gr sh; cr sm slat ch

154 Cr v f xlls det; Res 10%

as above

157 Lt. gy f-gran det; Res 15%

dk br grains and in doleritic ch  
wh an ch; much silt & v f sd

160 Lt br-gy f-gran det; Res 15%

as above

163 Lt gy f-gran det; Res 15%

Lt br f-grains to f doleritic silt,  
or ch; clear gtyre ch; Lt gy to  
blue gr sh. ~~sh.~~

5184

166 - Lt br-gy f-gran dol; Res 15%  
lt br. f-grains to f dolomitic silica; ch  
qtzose ch; trace lt br owl ch;  
lt gy sh; pyrite

169 Cr f-gran dol; Res 25%  
f-on sd - rd & f in part;  
lt gy to lt br transitional owl ch;

172 Lt gy f-gran dol; Res 20%  
lt gy to cr f-grains to f dolomitic  
; dull ch; pyritic; <sup>trace</sup> cr owl ch

175 Lt gy f-gran dol; Res 15%  
as above & trace <sup>thin</sup> qtzose ch

178 Lt gy f-gran dol; Res 20%  
cr owl ch; cr f-dolomitic ch;  
ch qtzose ch;

181 Lt br-gy v.f. ~~gr~~ dol, Res 10%  
silt to v.f. sd - wh owl ch

5184

184 It gy f-gum dot; Res 10<sup>3</sup>  
v f-f sd = wh = m ch;  
pyrite; Chem gtzou ch

187 It gy f-gum dot; Res 10<sup>7</sup>  
v f-f sd wh = m ch; dull  
wh = l gum ch; pyrite

190 It gy f-gum dot; Res 10<sup>7</sup>  
no above & trace dk gy sh

193 br-gy f-xlln dot; Res 15<sup>9</sup>  
wh dull, <sup>cherty</sup> f-m dolocastic ch;  
lt br f-sky ch; trace v f-f  
sd; wh = m ch

196 It br-gy f-xlln dot Res 15<sup>03</sup>  
no above but much v f sd =

199 It br-gy f-gum dot; Res 20<sup>3</sup>  
stool wh = m ch; Chem gtzou ch;  
trace silt or v f sd.



#5184

202 - Lt gy f-gran dol Res 15%  
cr an ch; large qty d/l's

205 Lt gy f-gran dol; Res 20%  
chr quartz ch; wh & cr an  
sl dol ch - gy gr ch.

208 Lt gy f-gran dol; Res 20%  
wh<sup>cr</sup> an basal ch; trace wh f-  
dolomite ch; trace v f-m sd oo; trace  
lt - m gy sh

211 Lt br-gy f-gran dol; Res 20%  
wh f. angular siliceous f sd & sty ch;  
trace wh & br dol ch.

214 Wh dolite f-ss; Res 60%  
wh - bright f-sd - mostly free

217 as above & lt gy f-gran dol; Res 70%  
wh - bright f-sd & lt gy f-gran  
silica.

5184

220 Lt gy f-gran dol Res 3%  
silt sized to v f sd; cln gtzose ch

223 Lt br-gy f-gran dol; Res 8%  
f-m bright sand; trace lt  
br some ch

226 Lt br-gy f-gran - f-x/lv dol  
Res 5% as above

229 Lt gy f-gran dol; Res 15%  
v f sd in porous clusters; br porous  
silica, trace blk sh; cln gtzose  
ch

232 Lt gy f-gran dol; Res 10%  
as above

235 br-gy f-gran dol; Res 5%  
cln gtzose ch

5184

238 - Lt gy f-gran dol Res 59  
f-bright sd = ; in sm ch w/  
lt br adl ; trace dk gy sh

241 Med-gy f-gran dol ; Res 10%  
med gy fous silt ; dk gy sh ;  
clear gtzose ch

244 Med-gy f-gran dol ; Res 18%  
as above

247 Lt gy to lt br-gy f-gran dol ; Res 15%  
lt br f-ord ch ; f-in bright  
sd  ; wth sty ch ; clear  
gtz  and gtz xlls ;

250 br-gy f-gran to f-xlln dol ; Res 10%  
lt-in gy fous siltion & silt ;  
clear  gtz

253 Lt gy f-gran dol ; Res 15%  
lt-in gy fous siltion & silt ;  
wtd dk sh ;

5184

256 - It gy f-gran dot ; Res 107

It gy t m-gy grains chor silva  
blk sh; wh sm to grains ool ch  
buco f-m sd 0

259 Lt br-gy f-gran dot ; Res 107

as above

262 Wh-lt gy f-gran dot ; Res 207

wh to cr ool ch; f-m r e fo 21

265 Wh-lt gy f-gran dot ; Res 207

as above

J.C.  
Rank

TD-265'

#8425

Rony Hard; Marion Co  
Samples 35-77'  
Residues Only

35-40 Res 50%

Soft earthy shale - v. porous  
(yellow green hue (fossils?) probably lagoon)  
traces waxy transal ch

45 Res 50%

Lt gy earthy silt & sh; Lt gy to  
be transal ch<sup>ΔΔ</sup>; Lt br rough  
dull calcareous ch

50 Res 30%

as above

55 Res 15%

as above - trace m. rd & sh sd.

60 Res 20%

as Buff earthy silt

65 Res 40%

Lt gy to buff f-porous silt; Lt br  
to be transal, waxy ch ΔΔ

8425

70 - Res 60%

wh to cr f-dolomitic ch

Lt gy sm ch AA

Blue-gr ch

Res 60%

75 Lt gy f-gouss to f-dolomitic

siltst; Lt gy sm ch AAA

gtz xls; trace lt gy edge ch

77 Res 40%

cr m-dolomitic very open ch

trace chn gtz.

TD 77'

#8470

Boyd Williams  
Marion Co

Samples 10 - 120'  
Residues only

10-15 Res 30%

yellow-gy sh; wh, ltgy, & lt  
br sm ch; trace msd & f 0

20 Res - 30%

lt gy & f porous silt; lt gy &  
lt br sm ch  $\Delta$ ; yellow gy sh

25 Res 30%

Upper { yellow-gy to mid gy sh; wh  
Route { rd & fr, f - br sd; -  
77 } br sdy ch; porous, rough crch  
w/ lt br sd - sandy center in  
JC } joint and resist ~~to~~ rise on  
outside.

30 Res 15%

as above - some fine br sd

# 8470

35 - Res 10%

Med gy ~~sm~~ ch<sup>Δ</sup> - Lt gy m-c  
dolomitic ch

40 Res 5%

Chen gty & gty flls; trace med id fco  
fine m-gy sh; <sup>trace</sup> Lt gy sm ch

45 Res 40%

Lt gy to buff sh

50 Res 30%

Lt gy sl gr sh

55 Res 15%

⊙ silt sized sd to f-sd  
cr gty - drusy in part  
trace lt gy sh

60 Res 50%

wh to cr chaly to f-dolomitic ch  
trace lt br sm ch



65 Res 70%

cr f. grains to m dolomitic silica  
lt br trend ch m dolomitic  
in part; trace qtz xls

70 Res 30%

as above

75 Res 40%

cr v f dolomitic silica;  
clear qtz + qtz xls.

80 Res 40%

cr to lt gy grains to v f dolomitic  
silica; m-dk gy ch; clear qtz &  
qtz xls

85 R. 30%

lt br-gy grains to f dolomitic  
silica (looks granular); m-dk br  
sm trend ch; trace m-gy v fool  
ch; trace m-gy ch

90 Res 20%

ca *S. dolocostis sibirica*

m-br sm ch

95 Res 50%

lt gy earthy sh; lt gy to  
br transl sm ch ΔΔΔΔ

100 Res 40%

lt br sm transl ch w/ m-br not  
radial in part; few small br out  
two gty sils

105 Res 30%

ca *S. dolocostis sibirica*; lt gy  
sm ch; dk gy sh

110 Res 50%

as above

115 Res - 20%

lt gy v porous to ca *S. dolocostis*  
soft silica; med br transl sm ch

# 8470

120 - Res 20%

Lk gy v porosa +, vf - kubersthe  
soft siber; Lk gy im ch;  
med gy ool ch. two firmed o

TD 120'

# 8645 Vic Rakowski #3  
Washington Co  
Orig + Res 0-414

0-20" Mr sample

20-245 - Res all 80%  $\pm$  10%

Lt gy f-gran ls; Residue  
is dull, lt gy to med-  
rough to sm ch

250 Res 40%

Lt gy f-gran to f-xlln crin ls  
Res mostly gy + lt gy trans  
ch; lt gy porous rough ch  
pyrite; trace lt gy to lt ls silt  
(this looks like about 3" of  
St Joe)

250-295 Res 100% (as low as 80%)  
Blk f-mie sh; pyrite

295-305 - Res about 100%?

~~Lt gy~~ to med gy f-mie sh <sup>pyrite</sup> this  
sample is ~~not~~ fine, that is ~~not~~ <sup>much</sup> lighter in color

#8645

305-320 Res 100% - about

Med to dk gy f-muc sh<sup>pyrite</sup> - this  
is darker than that directly above  
but it is not black as is the first  
50' or so feet - the lower 5' is sh limy.

325 Res 20%

~~to~~ Residue is black sh - porous -  
BMSS  
?? { trace f-m sd (few grains); tiny black gastropods & pelecypods  
wh to cr f-m x 1/4 ls w/ some  
v.c. x lls; joints x lls; crin<sup>P</sup>  
and oste?; pyrite

230 Res 5% blk sh - shaly

Lt gy ds to m-x lly ls;  
scattered f-dolomite rhombs; oste  
pyrite; very few f sd gra o  
Slender doubly terminated lls - gas??

235 Res 3%

Lt br-gy v.f. gran ~~f~~ f-x lly  
ls; scattered f-dolomite rhombs; oste;  
pyrite, trace f sd o.

340 No sample

#8645

345- 10% Res

Lt gy ds to v.f. gran ls / oolite  
pyrite; Res has trace blue gn sh!  
trace m-dolomitic ch; very long  
slender gtz? x lls - doubly  
terminated

350 10% Res

Lt gy v.f. gran ls  
Trace Med gy f-gran living dol  
Trace m-ls m-dolomitic ch ash  
very soft - Trace long gtz x lls

355 10% Res

As above f trace f-m sd o

360 10% Res

Or to lt br-gy f-x lls dol  
pyrite; trace m rd f fr rd o

365 20% Res

Lt gy + m-gy f-gran to vt x lls dol  
Lt gy dull rough ch; lt gy porous  
silt; Silt sized f m rd siliceous  
trace of long gtz x lls; trace glauc

#8645

370 - Res 20%

Med-lr v f x lbr dirty looking dol  
blue-gy earthy sh; f-m siliceous  
silty sd. —

375 - ~~60% Res~~ 110% Res

dk gr-gy sl dolomitic silty sh.  
trace ~~f~~ clusters f-sd-rd & fr-  
~~sd~~ silty; sh res has  
scattered v f dolocasts

380 <sup>90</sup>~~100~~% Res

as above but more rounded f fr  
f-sd —

385 90% Res

gr-gy to med-gy dolie  
silty sh; Res sl dolocasts  
silty sh; masses of lt gy to wh  
silt - v f sd w/ bright green  
glauco? specks; v f - f rd & fr  
sd —

# 8645

390

60% Res

Lt gy to wh <sup>dolice</sup> silt to ~~vt~~ f sd,  
much glauconite, pyrite  
It had lt gy + gn-gs sh  
res is porous silt and porous f sd  
chert - dolomite ~~has~~ removed

395

75% Res

wh to lt gy dolice silt sized  
to f sd; <sup>not 5 ft in zone</sup> secondary growth in part  
glauconite & pyrite

400

40% Res

Lt gy dolomitic silt to v f sd  
w/ some f-m sd gra; glauconite, pyrite  
Res - mostly dolomitic silt in part  
true blue-gy silty sh

405

65% Res

wh dolice f-m sd; some vt  
or silt sized sd; pyrite  
Res mostly rd or fr f sd



#8645

410 Res 85%

wh sl dolie monthly f with some  
m - sd - rd & fr

414 as above Res - 80%

TD - #14'

#8665

Vic Rakowski #5

Washington Co

Samples 20-410'

0-20 No sample

20-30 - Res 40-60 %

wh - lt gy ssm - rough ch

cr to lt gy f-x lln to f-grn ls

30-235 80-90% Res

lt gy dull ch

235-250 80% Res

smoky gy + Br sand ch.

255 50% Res - matts sh

maybe { Med-gy f-grn - f-x lln crin ls -

St Joe } true ginkist x lln ;

lnd drnkt } Res: Blk sh lt br earthy

look to mud } sh ; smoky gy - hard ch ; pyrite

#8665

255 - 305 - Res 100 - %

Blk f-omic sh - Pyrite

305 - 320 - Res about 100 %

Medium-gy pyritic sh

325 Res 50 %

wh to cr f-m x lln ls - crin P?

50% blk sh - f doleritic in part -

Much pyrite; sl trace f-m sd o

330 Res 5 %

Wh to cr m<sup>u</sup>-x lln ls; crin

pyrite; streaks of blk sh; trace

pink xlls; trace cr <sup>shump</sup> gtyose ch in Res  
trace f-m sd o

335 Res 2 %

Lt gy to cr v f gran ls; scattered

f-dol rhombs; pyrite; trace

lt br sh; medium to long thin

gty xlls; trace cr ch (shump?) or

above; trace f-m sd o

#8665

340 Res - trace

Lt gy to cr v.f. gran ls; scattered  
f. dolomite xlls - tiny long qtz xlls  
no sd.

345 Res 10%

Lt gy to cr v.f. gran ls w/ scattered  
f. dol xlls; trace blue-grn sh;

350 Res trace

Lt gy v.f. gran ls;

355 Res - trace

cr v.f. xlls dol;  $\frac{1}{3}$  ls as above  
slender qtz xlls

360 Res 20%

Lt gy v. silty v.f. xlls dol  
Res Lt gy silt size - f. sd in  
subconformaceous groups clusters.

# 8665

365 Res 20%  
as above

370 Res 35%

lt br - gy ~~dolic~~ ~~silly~~ silly,

sdg f-guan dol

Res mostly f-sd w/ c sd gr

secondary growth in part - rd & fr in part

siliceous clusters

375 Res 85%

med br and <sup>dolic</sup> gr sh; wh. f-sd in

siliceous clusters but mostly rd & fr

380 Res 90%

50% sl dolic wh f rd & fr sd f

br - gr sh 58%

385 Res 85%

Blue - gr sh with two f sd -

sl dolic

#8665 —  
Res 85%

390 As above but only trace  
of sand; sh is sd dric;

395 Res 90%

Med - ln and blue - gn sh  
as above 50% — wh silt to v f sh  
with bright gn (glau?) grains  
dolic

400 Res 40%

Pink to cr f-xlln dol

blue - gn sh & silty sd as above

Res mostly v f gy silt to v f sd  
(in siliceous light changes) with green  
glau? grains; some m, sd gr  
rd & fr; gn sh & ~~fr~~ m. ln sh

405 Res 40%

wh v f - xlln & f - gn dol —

v silty & sdgy —

Res mostly v f siliceous sh with  
gn glau?; some m sd gr  
trace gn sh

8665

410 - Res 40%

as above - pyrite