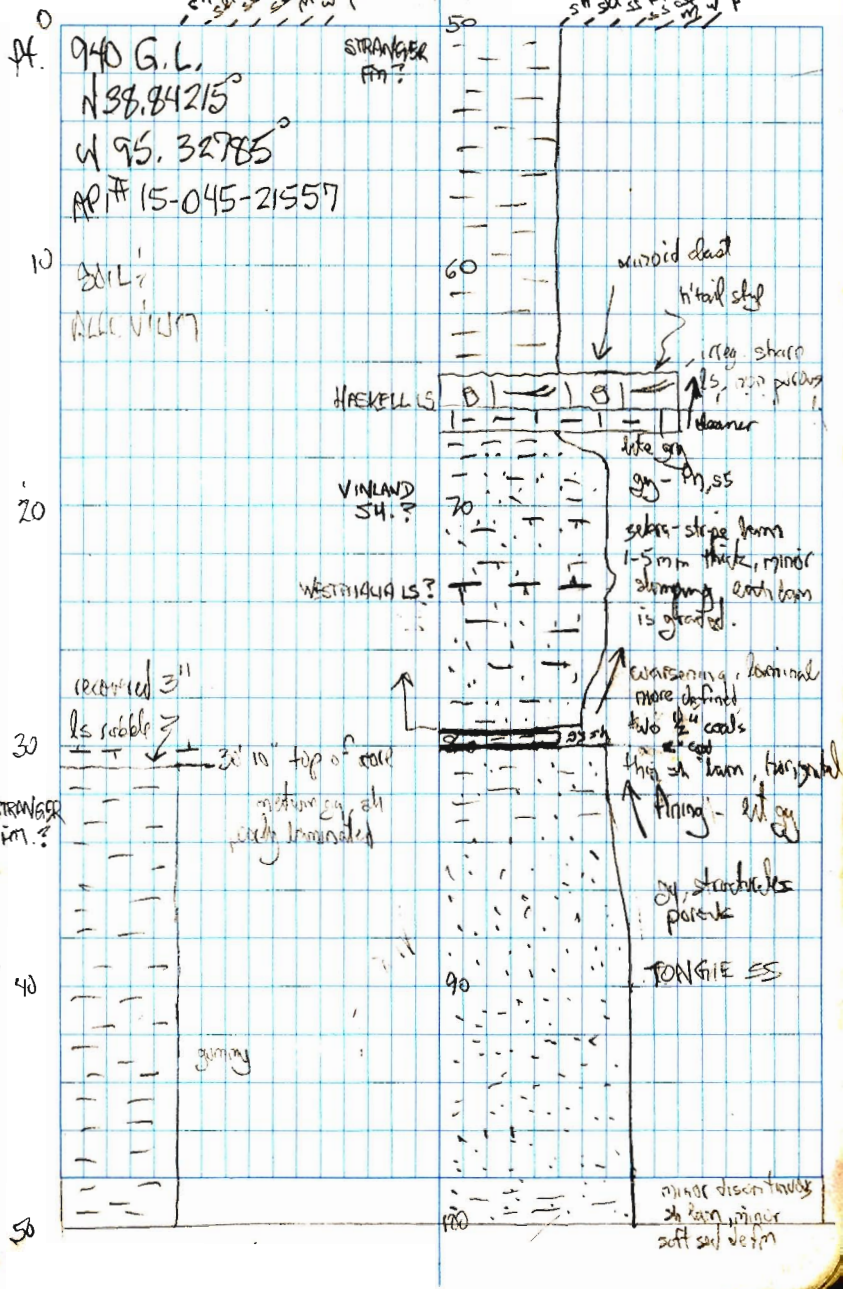
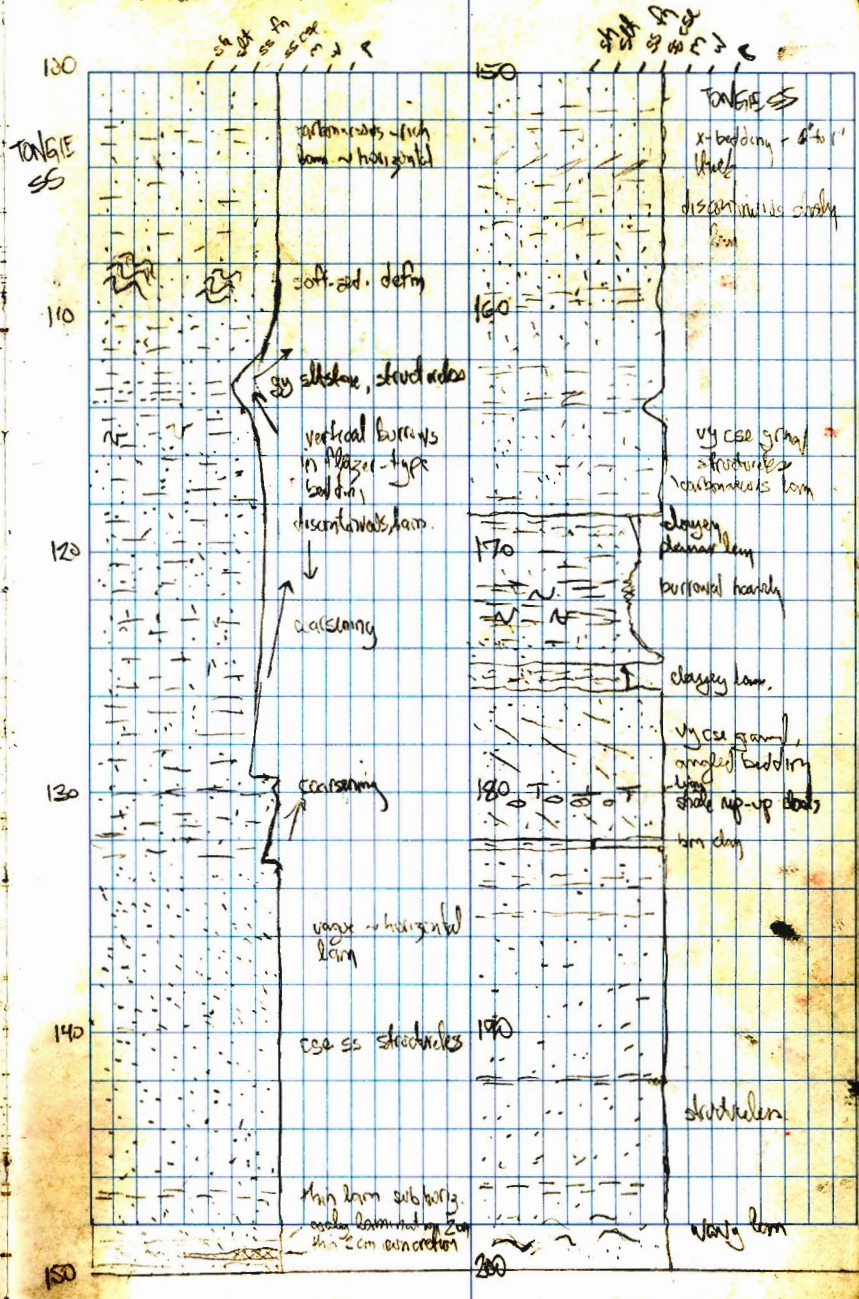


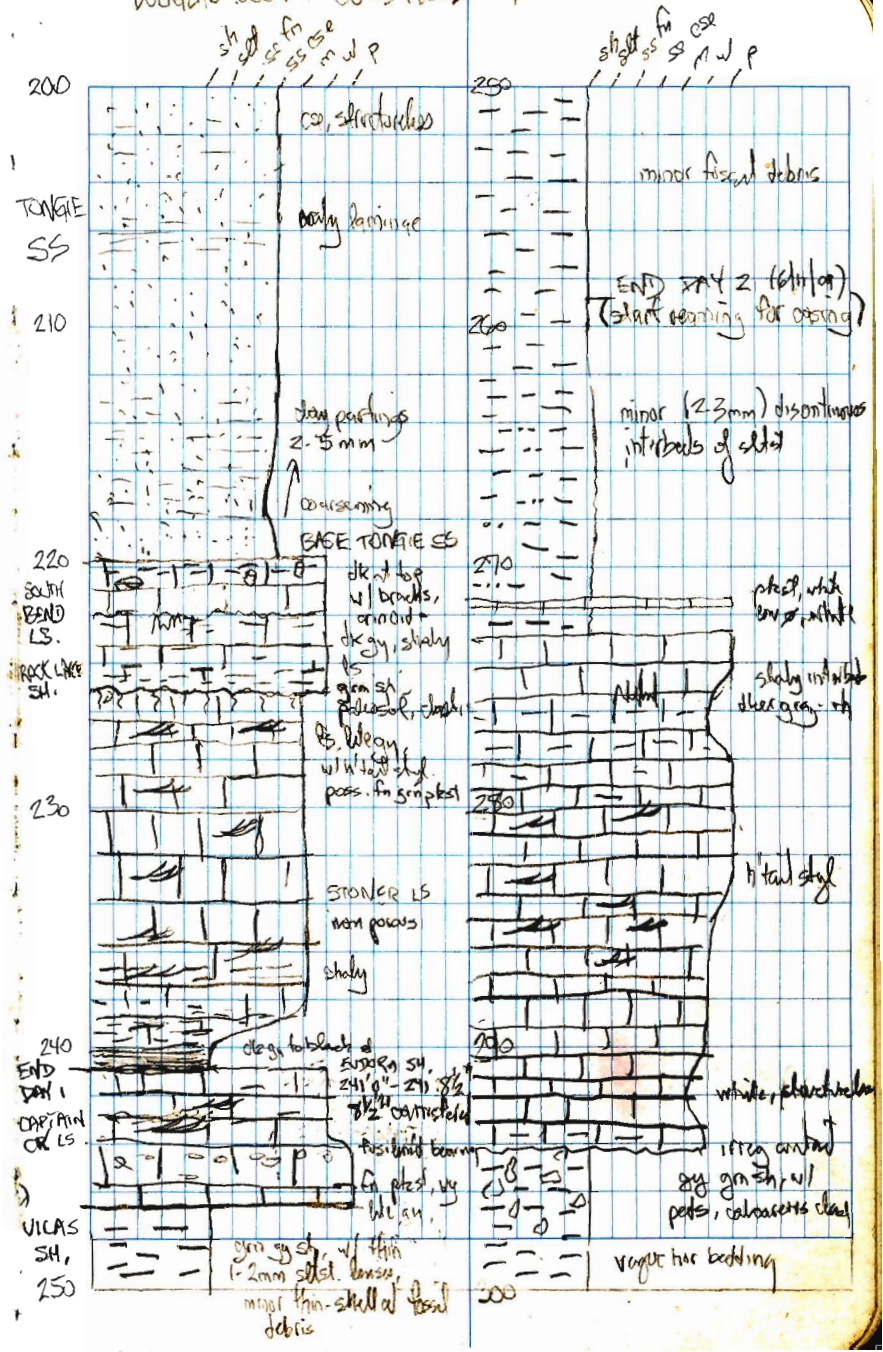
DOUGLAS COUNTY COREHOLE #1 N2S2SESW 32E 8-14S-RE  
 June 10, 2009



DUGLAS BASINITY CORE HOLE #1



# DOUGLAS COUNTY CORE HOLE #1

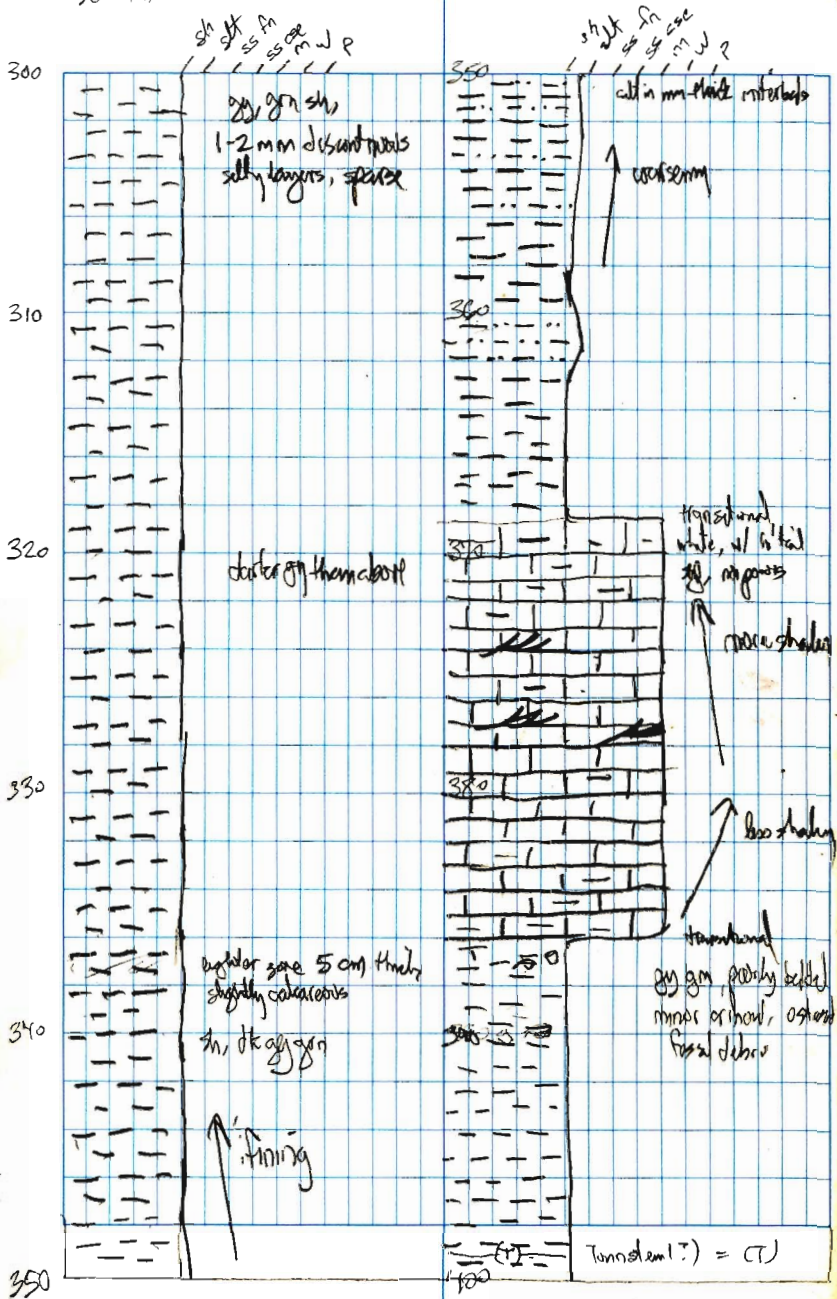


many  
to water "

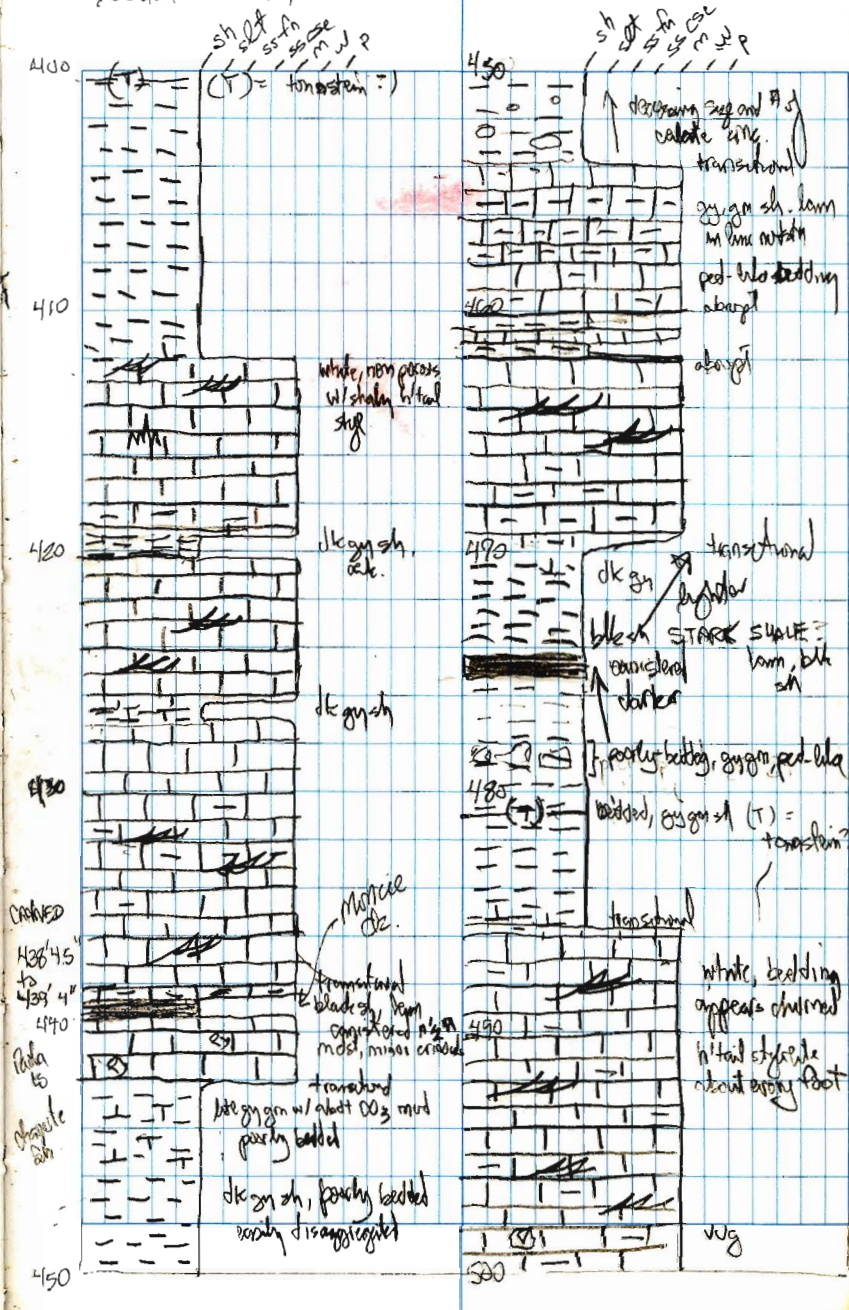
220<sup>ft</sup>

at

DOLGIES COUNTY CORE MOLE #1



DOUGLAS COUNTY CORE MOLE #1



CRIMED  
436'45"  
to  
433'4"  
4170'  
Pala  
to  
Chapelle  
sh.

Douglas County Core Hole #1

500

510

520

530

540

550

550

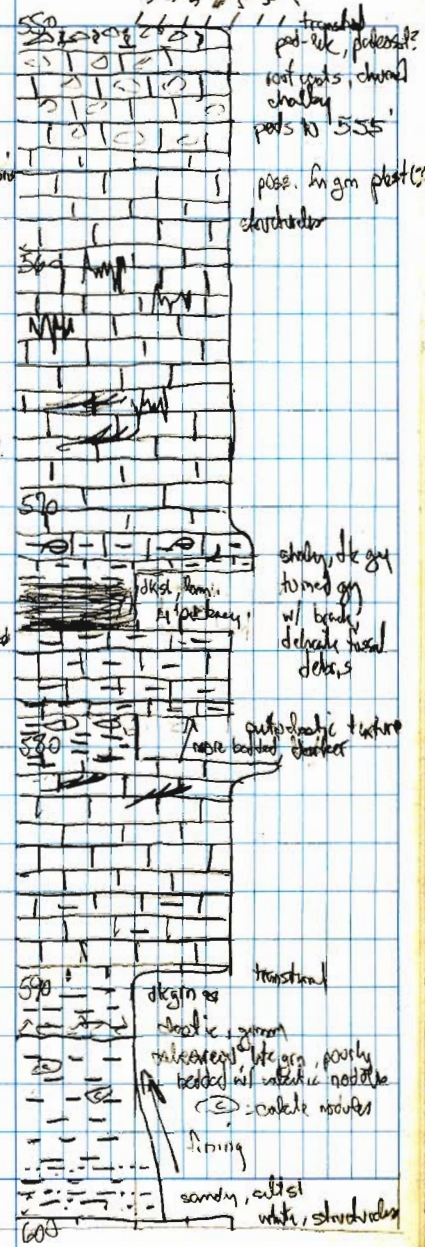
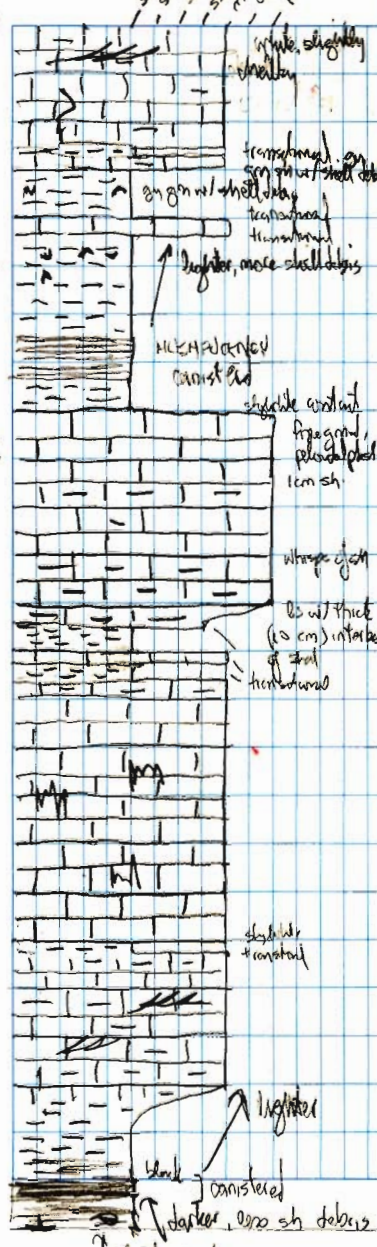
560

570

580

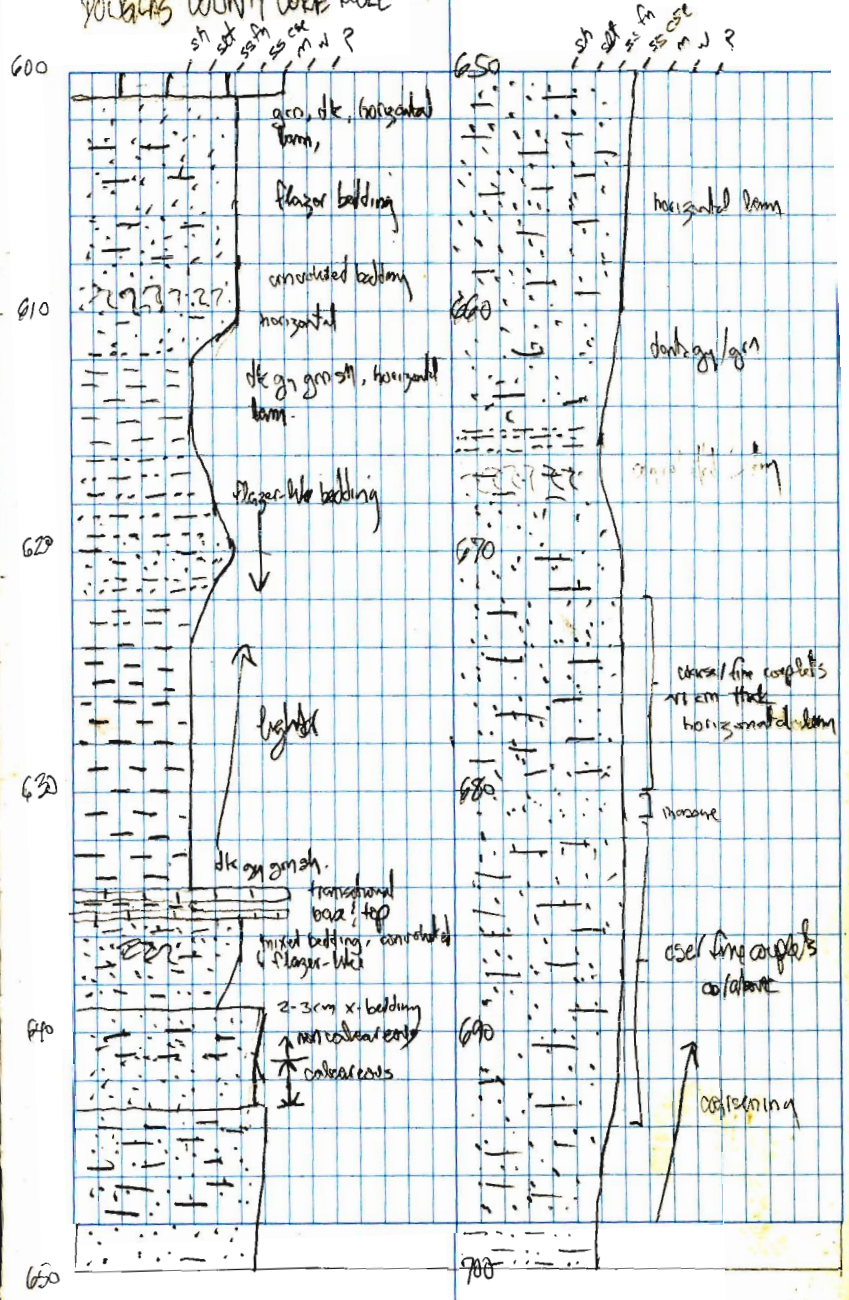
590

600



Red for chert

POLKINS COUNTY CORE HOLE #1



DOUGLAS COUNTY CORE HOLE #1

700

710

720

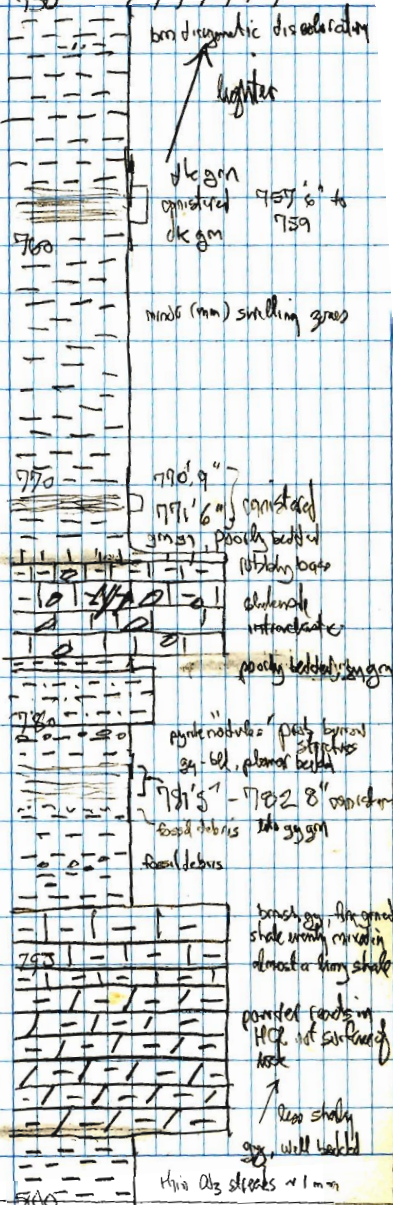
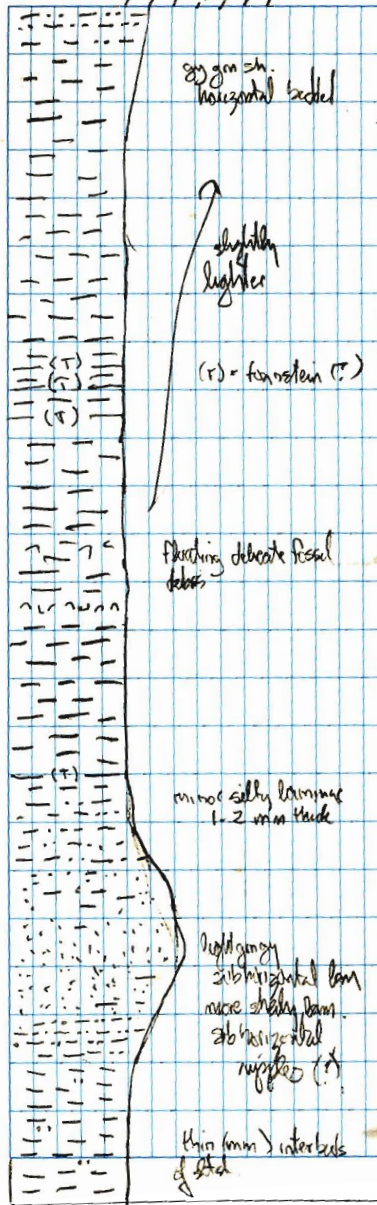
730

740

750

5 ft  
3 ft  
2 ft  
1 ft

5 ft  
3 ft  
2 ft  
1 ft



80 gm sh. horizontal bedded

slightly lighter

(r) - for restin (?)

flashing, delicate fossil debris

minoc silty laminae 1-2 mm thick

light gray silty horizontal lam. more shaly than at horizontal nuptes (?)

thin (mm) interbeds of sh.

bed discontinuity disorientation lighter

46 gm oriented dk gm 757'6" to 759'

minoc (mm) smilling grass

790.9" 791.6" somewhat porous bedded (shaly base)

shaly intermediate

porous bedded shaly

pyrit nodules part by iron sh - bed, planar beds

791'5" - 792'8" oriented fossil debris shaly shaly fossil debris

brown, gray, fine grained shale with iron oxidation almost a thin shale

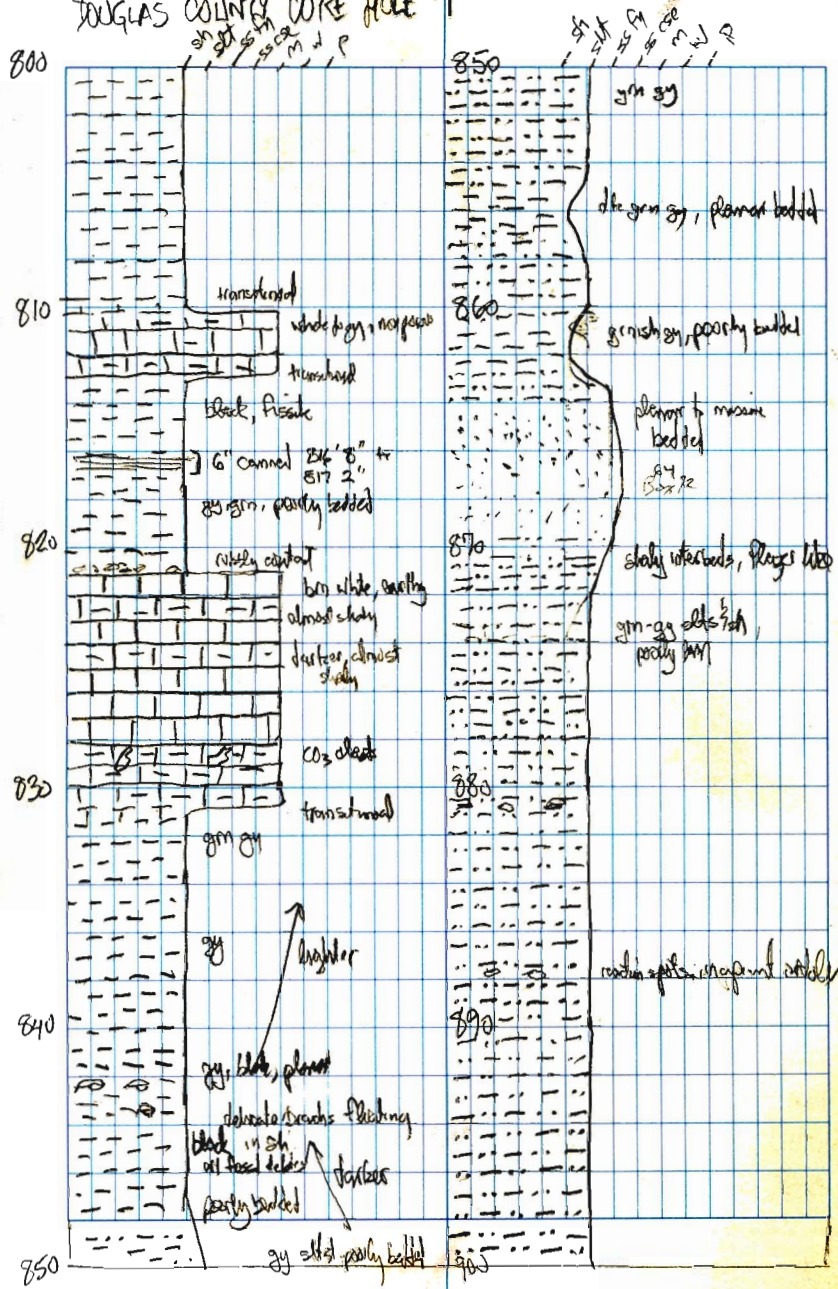
parted sands in HCE not surface of rock

less shaly gray, well bedded

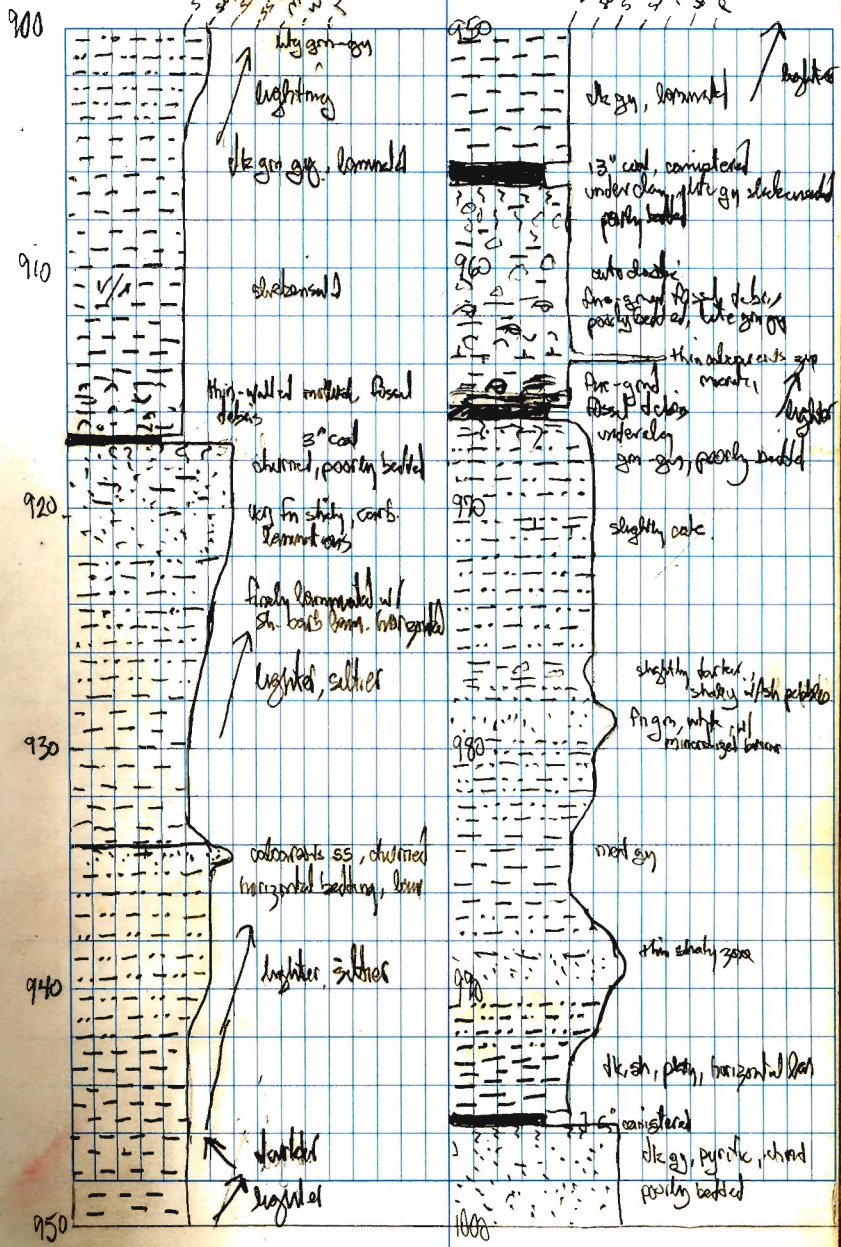
thin obs streaks ~ 1 mm



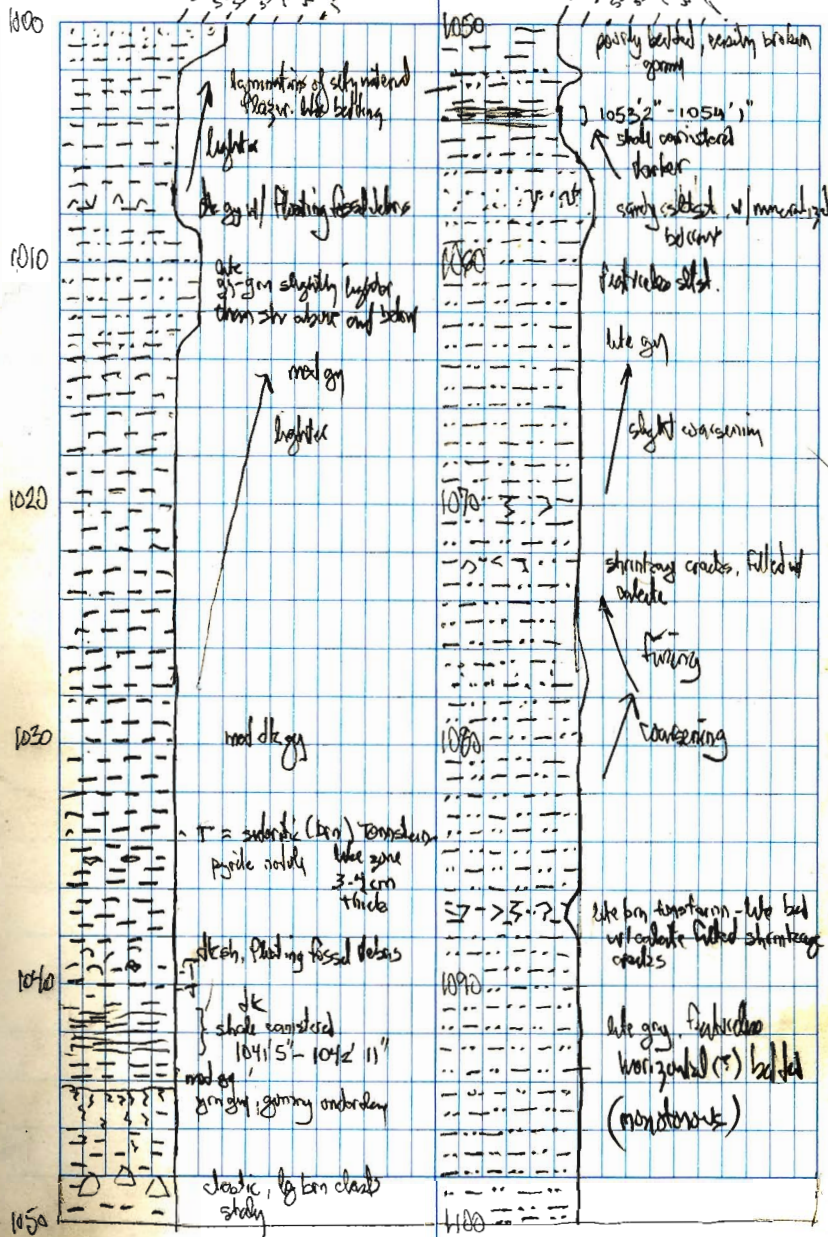
# DOUGLAS COUNTY CORE HOLE #1



TOULOUSE COUNTY CORE HOLE #1

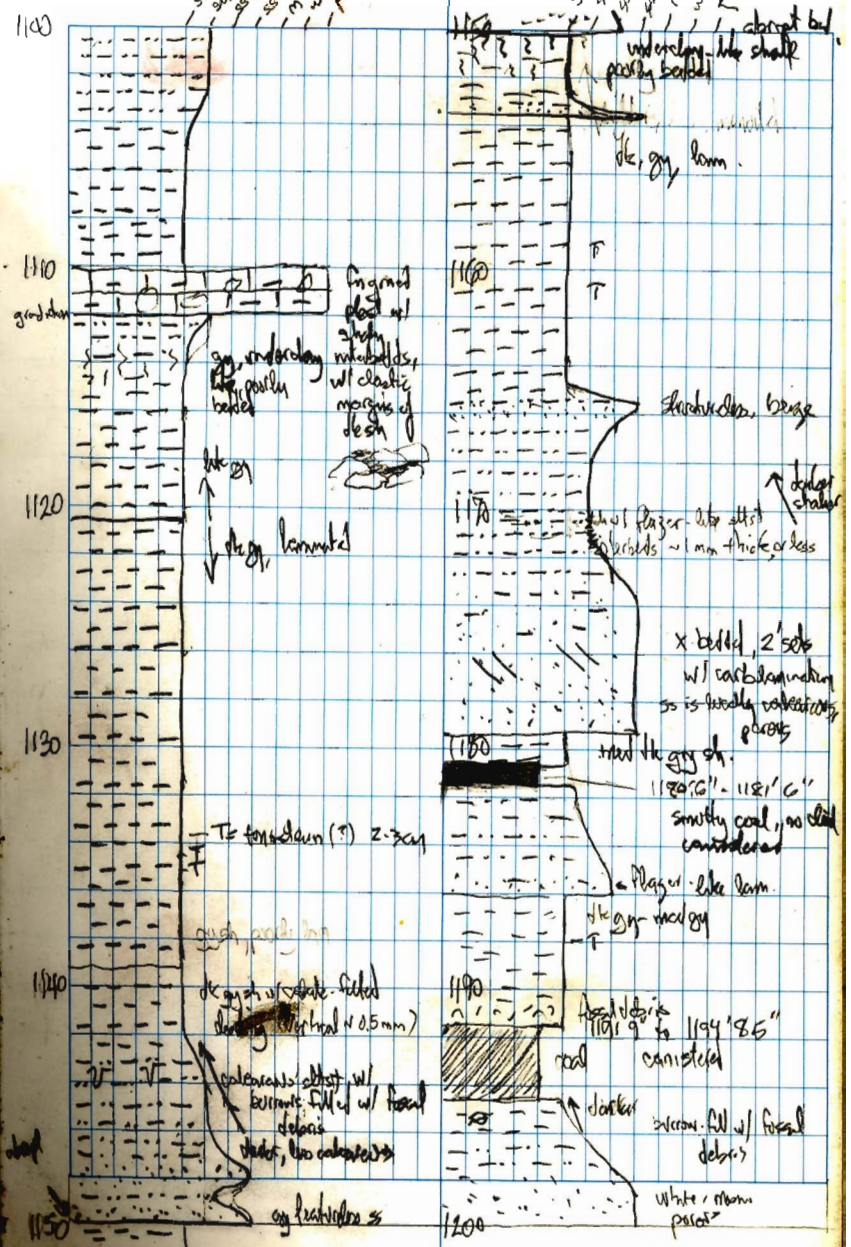


DODDGE COUNTY CORE HOLE #



30

# DUNSMUIR COUNTY CORE HOLE #1



1194

# DEU GLAS COUNTY CORE HOLE #1

1200

1201' to 1202' 5 1/2'   
 coniferous

lke gy, poorly bedded   
 darker

1210

fining   
 lke. silty w/ ad mixed   
 silt   
 - coal fragments   
 1-2 cm

1220

poorly bedded, silty   
 med gy   
 clayey ss, mottled in   
 appearance

1230

gy sh   
 - oxidation spots   
 fining   
 gy   
 poorly wavy bedded

1240

carbonaceous   
 stringers   
 lke gy   
 wavy   
 even + givens   
 brn w/   
 shell debris   
 vertical streaks

1250

smoothly coal   
 gy sh, poorly bedded   
 poorly developed and w/ sh parting

shaly silt, finely   
 laminated, discontinuous   
 lenses 0.5-1 m   
 white

1260

lke gy

1270

gy to dk gy   
 9" over 1270 1" to   
 1270 8"   
 uniformly coniferous   
 lke gy poorly bedded   
 shaly matrix   
 granular top   
 and base contacts

1280

lke gy, poorly bedded   
 mottled in appearance   
 black

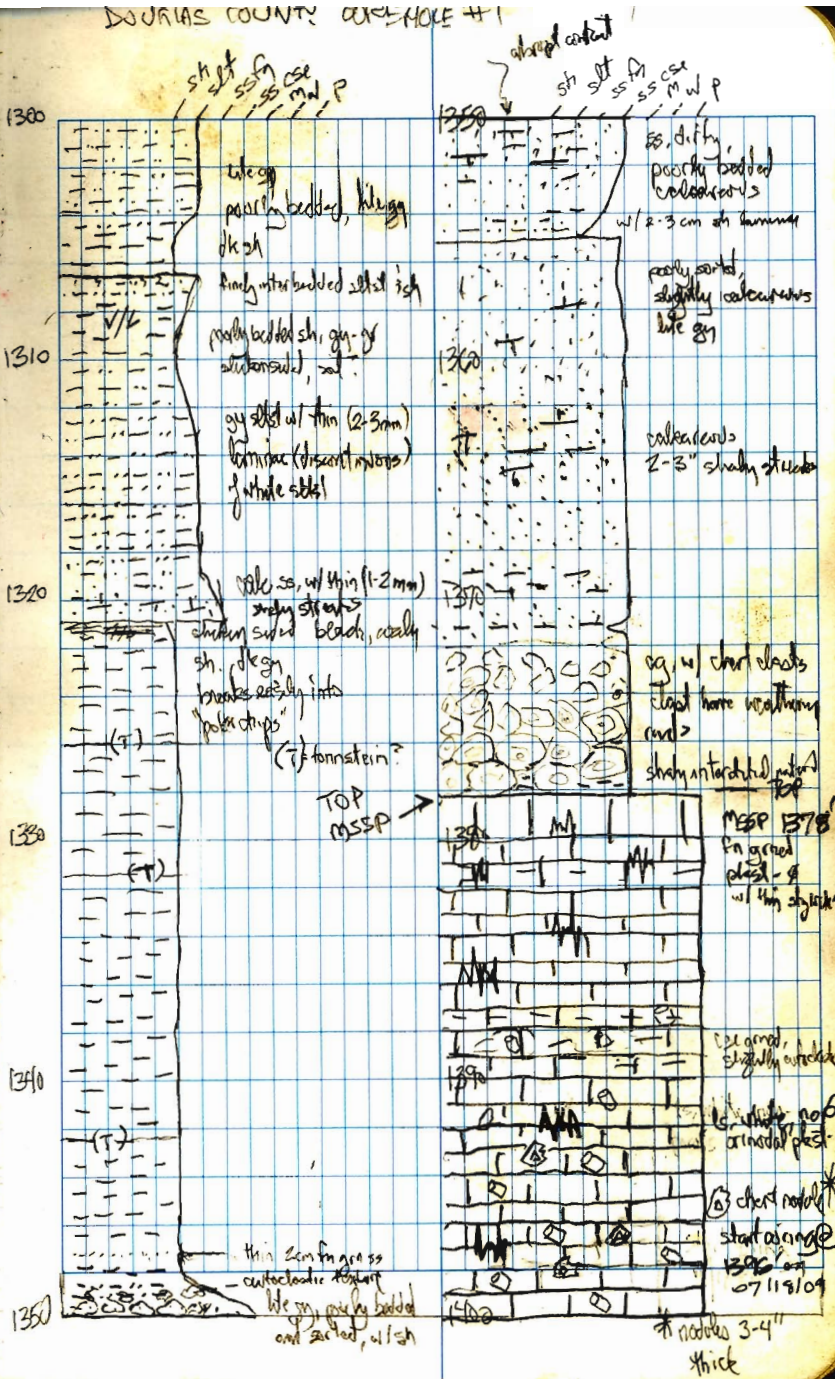
1290

smoothly coal   
 darker   
 gy, lke gy   
 low dk, gy poorly to   
 massive silted

1300

lke gy, uniform

DOUGLAS COUNTY CORE HOLE #1



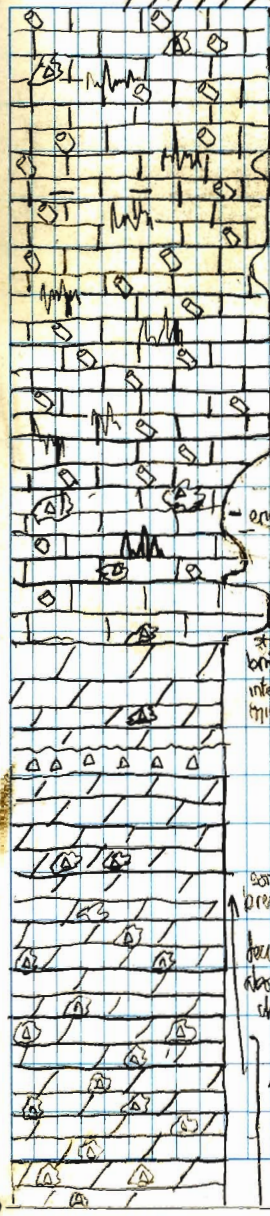
DOUGLAS COUNTY CORE HOLE # 1

sh of ss in bed mwp

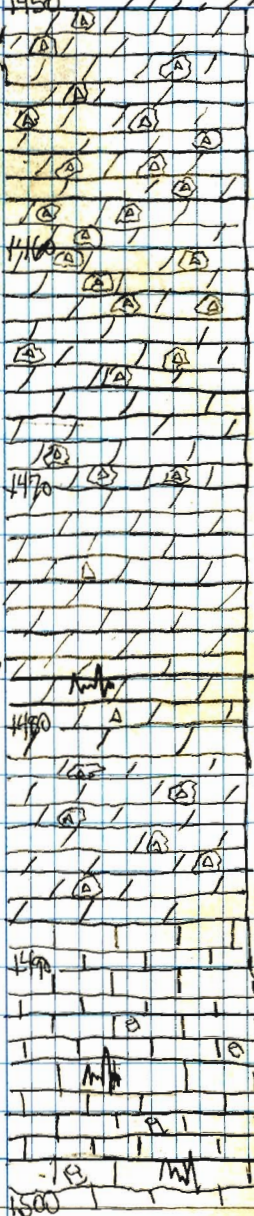
sh of ss in bed mwp

1480  
1410  
1420  
1430  
1440  
1450

1450  
1460  
1470  
1480  
1490  
1500



dark wh. non g. nodular chert - 3-4cm irregular  
shale with thin chert dk shaly 3cm thick  
typical contact bed, slightly above interbedded to tripstones  
some cherts are precipitated becoming abundance of chert  
no equal chert = delimit



approx equal chert = delimit non porous  
chert, ag w/ quartz blocky slightly darker than chert above  
slightly darker chert mass 4-2cm chert  
slightly porous interbedded ss  
chert, slightly lighter than chert around upst 2cm veg  
darker gy new gy

end of 1st of 1st @ 1421

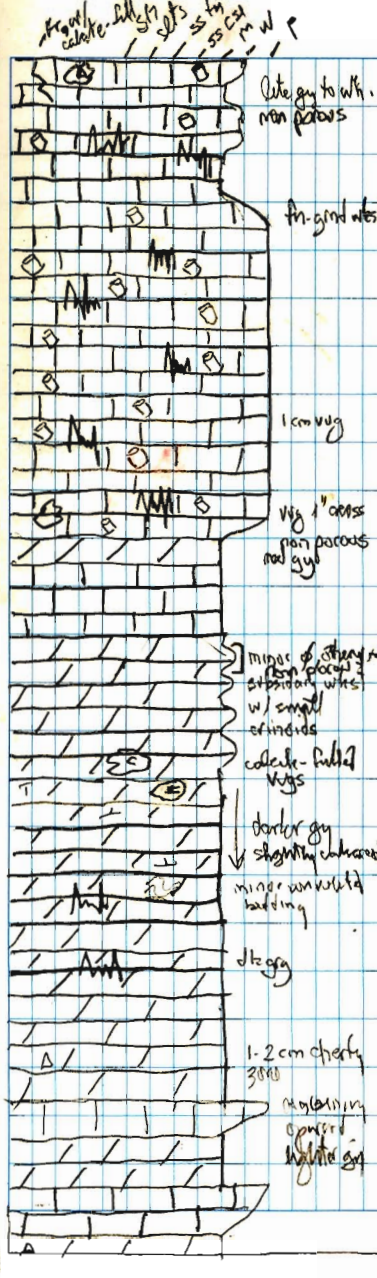
end of 1st of 1st @ 1481

Kevin's predictions

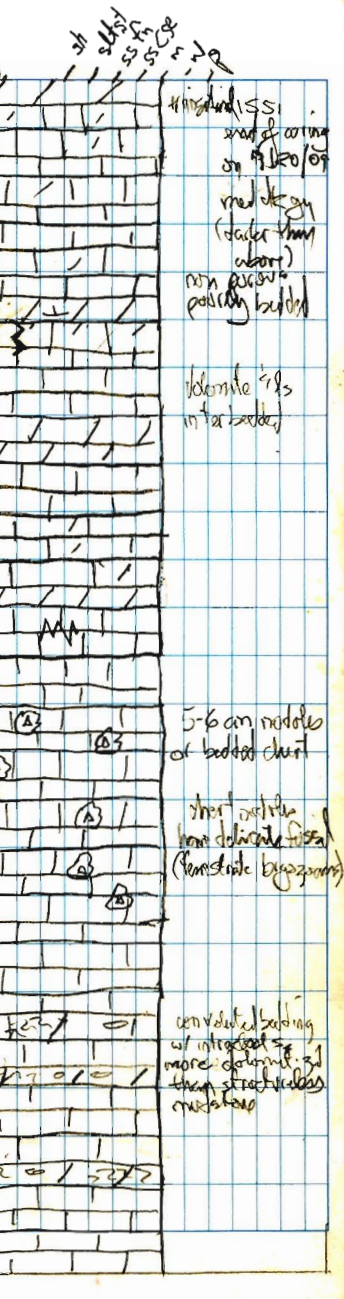
Chart 1655  
 Main 1694

DOUGLAS COUNTY CORE HOLE #1

1500  
 1510  
 1520  
 1530  
 1540  
 1550



1530  
 1540  
 1550  
 1600



fine-grained silts  
 fine-grained silts  
 fine-grained silts

fine-grained silts  
 non porous

fine-grained silts

1 cm vug

Vig 1" coarse  
 non porous  
 red gy

minor of silts  
 silts placed  
 w/ small  
 crinoids

caliche-filled  
 vugs

dark grey  
 slightly calcareous  
 minor concretion  
 banding

dt. gy

1-2 cm cherty  
 3000

massive  
 green  
 highly gy

fine-grained silts  
 fine-grained silts  
 fine-grained silts

fine-grained silts  
 and of corals  
 on 1520 top

red dt. gy  
 (higher than  
 above)

non porous  
 poorly bedded

dolomite frags  
 in the bedded

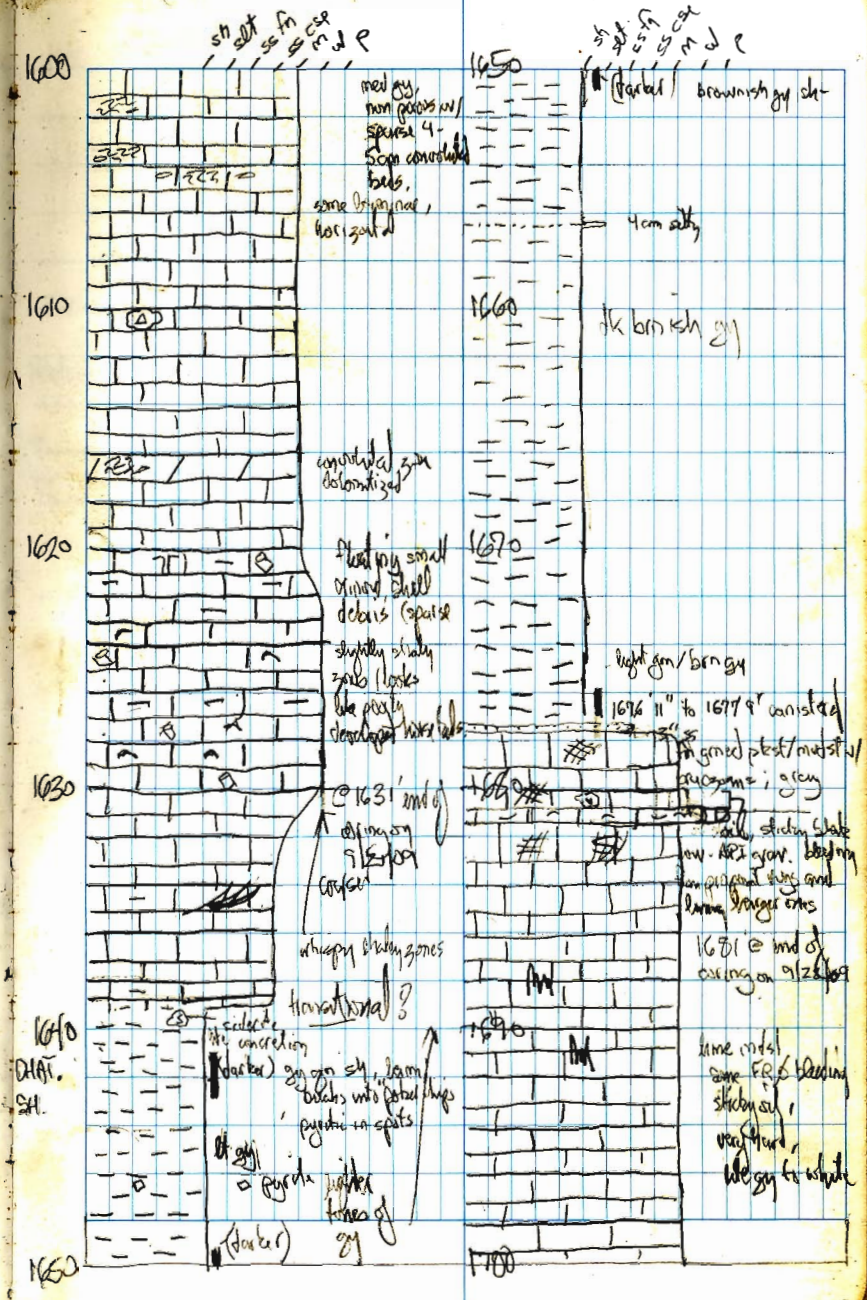
5-6 cm nodules  
 of bedded chert

short sections  
 from dolomite fossil  
 (Permian bryozoans)

concreted bedding  
 w/ irregular  
 more dolomite and  
 thin stratified  
 micaceous

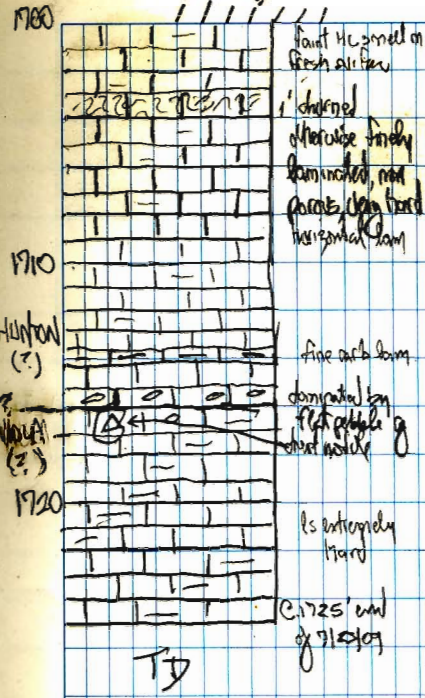


# Douglas County Corehole #1



DOUGLAS CO. CORE HOLE #1

sh slt sst A cse m n P



faint H.C. smell on fresh air flow  
 darkened otherwise finely laminated, nodular, clay hard horizontal lam.

HUNTON (?)  
 VIOLET (?)

fine arch lam.  
 dominated by flat pebbles of other matrix

ls extremely hard  
 C. 1725' end of 1710/1709

TD

sh slt sst A cse m n P