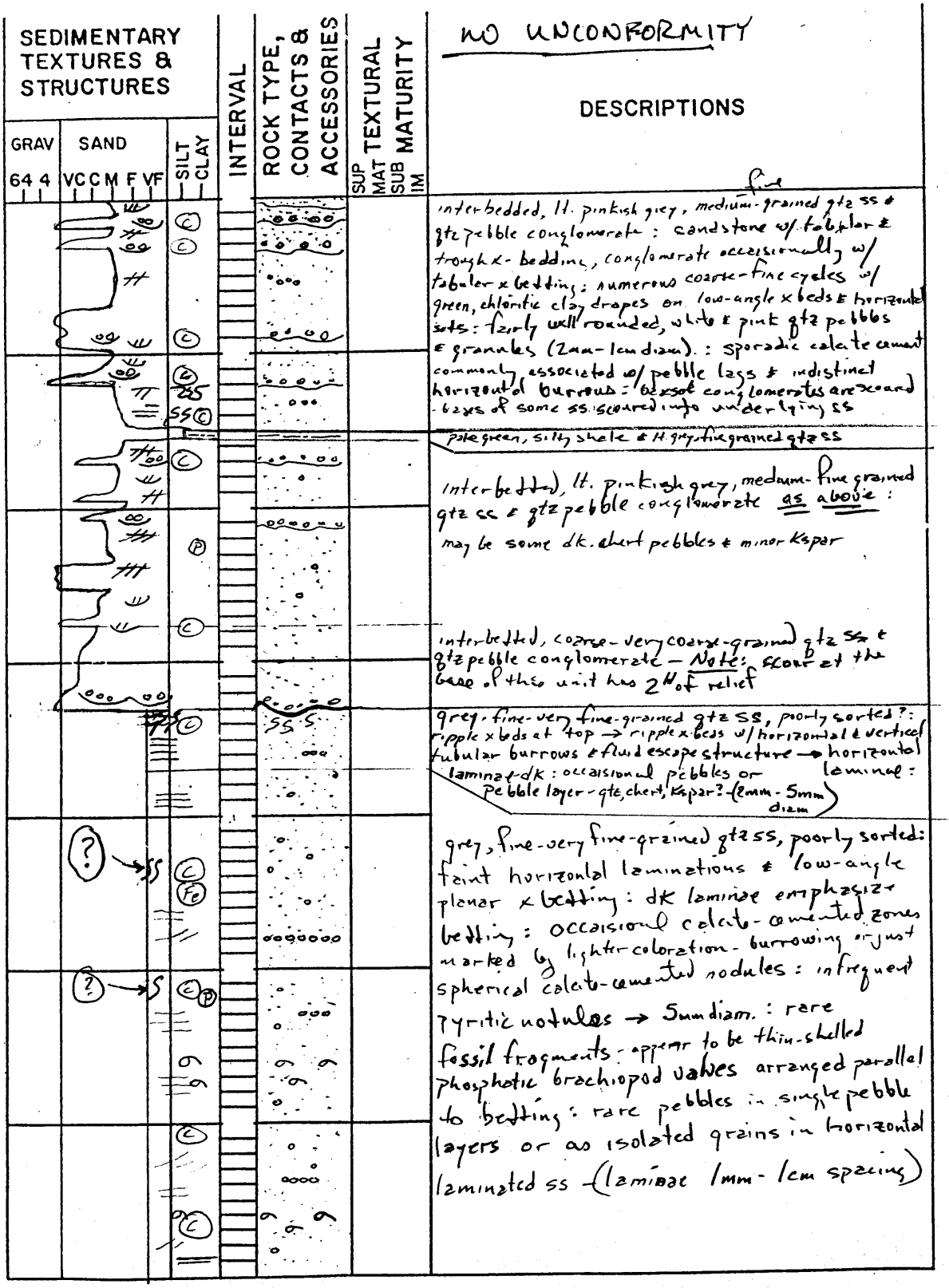
Sheet 1 of 3

MEASURED SECTION NO. Clay 1109 DATE 3/29/91
LOCALITY Columbia #20314 STRATIGRAPHIC UNIT Big Indian/SQUAW
SETTING Elevation 1012' MEASURED BY AV & RRn

* - organic
- mud clasts



NO UNCONFORMITY

DESCRIPTIONS

fine

interbedded, lt. pinkish grey, medium-grained qtz ss & qtz pebble conglomerate: sandstone w/ tabular & trough x-bedding, conglomerate occasionally w/ tabular x bedding; numerous coarse-fine cycles w/ green, chloritic clay drapes on low-angle x beds & horizontal sets: fairly well rounded, white & pink qtz pebbles & granules (2mm-1cm diam.): sporadic calcite cement commonly associated w/ pebble lags & indistinct horizontal burrows: basal conglomerates are scoured bases of some ss scoured into underlying ss

pale green, silty shale & lt. grey fine grained qtz ss

interbedded, lt. pinkish grey, medium-fine grained qtz ss & qtz pebble conglomerate as above: may be some dk. chert pebbles & minor K-spar

interbedded, coarse-very coarse-grained qtz ss & qtz pebble conglomerate — Note: scour at the base of this unit has 2' of relief

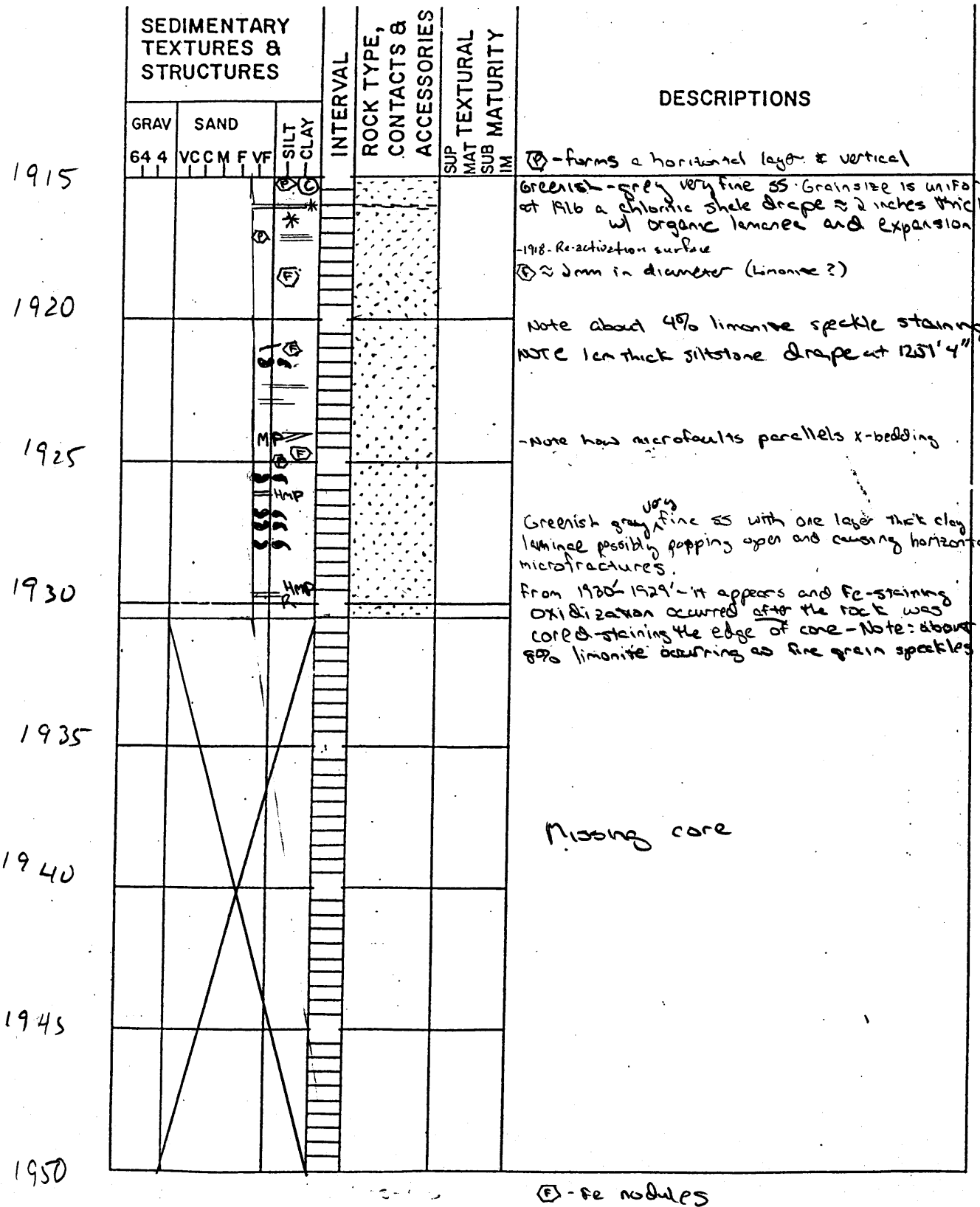
grey, fine-very fine-grained qtz ss, poorly sorted?: ripple x beds at top → ripple x-beds w/ horizontal & vertical tubular burrows & fluid escape structure → horizontal laminae-dk: occasional pebbles or pebble layer - qtz, chert, K-spar? (2mm-5mm diam) laminae:

grey, fine-very fine-grained qtz ss, poorly sorted: faint horizontal laminations & low-angle planar x bedding: dk laminae emphasize bedding: occasional calcite-cemented zones marked by lighter coloration - burrowing or just spherical calcite-cemented nodules: infrequent pyritic nodules → 5mm diam.: rare fossil fragments: appear to be thin-shelled phosphatic brachiopod valves arranged parallel to bedding: rare pebbles in single pebble layers or as isolated grains in horizontal laminated ss (laminae 1mm-1cm spacing)

o - fossil
* - organic fragment
- mud clasts

Sheet 2 of 3

MEASURED SECTION NO. Clay 1109 DATE 3/29/91
LOCALITY Columbia #20314-Gramy Ck field STRATIGRAPHIC UNIT Big Injun
SETTING elevation 1072 MEASURED BY AV & RM



(F) - Fe nodules

HMP - microparting (Horizontal)
-clay flip-up clasts
* - organics
(P) - pyrite

MEASURED SECTION NO. Clay 1109 DATE 3/29/91
LOCALITY Columbia #2034-6cm STRATIGRAPHIC UNIT Squaw
SETTING elevation 1012 MEASURED BY AV & RM