

SAMPLE DESCRIPTION

160 - 70	80% Ss: clr, crs-g, sbrnd, lse, some feld. grains 20% Sh: gry, soft, fri, clayey, sl lignitic
70 - 200	90% Ss: AA 10% Sh: AA
200 - 20	100% Ss: clr, m-crs-g, sbang, lse, some feld. grains & lithic frags. Tr. Selemite xls.
20 - 30	90% Ss: AA 10% Sh: bl gry, soft, fri, clayey, sl sandy
30 - 40	50% Ss: gry, fn-g, sbang, mod clay fld, w/occ carb. incl. 50% Sh: gry, soft, fri, clayey-silty
40 - 50	N.S.
50 - 70	50% Ss: wht, m-crs-g, sbrnd, mod clay fld-lse, fair- good porosity, w/carb. incl. 50% Sh: bl gry-gry, soft, fri, clayey
70 - 300	50% Ss: wht, fn-g, sbang, hvy clay fld (swelling), tite 50% Sh: AA
300 - 10	50% Ss: AA 50% Sh: AA Tr. Chert: clr, crs-g, sbang.
10 - 20	30% Ss: wht, fn-g, sbang, mod clay fld, fair por. 70% Sh: gry, soft, fri, silty-clayey
20 - 30	100% Sh: gry, soft, fri, clayey Tr. Coal: blk, vitreous
30 - 50	40% Ss: wht, fn-g, sbang, mod-hvy clay fill, fair por., sl glauc. 60% Sh: gry, firm, fri, silty, sl lignitic
50 - 70	100% Ss: wht, vfn-g, sbrnd, hvy clay fld (swelling), tite
70 - 80	100% Sh: gry, firm, soft, clayey
80 - 90	90% Ss: wht, vfn-g, sbrnd, w/hvy swelling clay fill, tite 10% Sh: AA
90 - 400	50% Ss: AA 50% Sh: AA
400 - 20	80% Ss: AA 20% Sh: AA
20 - 40	20% Ss: AA 80% Sh: AA

440 - 60 30% Ss: AA
70% Sh: AA

60 - 90 60% Sh: gry, soft, fri, clayey, w/carb. incl.
40% Clystn: wht, soft, swelling
Tr. Chert: clr, crs-g, sbang

90 - 500 50% Ss: wht, m-g, sbrnd, mod clay fld (some swelling),
fair-good porosity, sl arkosic, w/occ carb. incl.
50% Sh: AA

500 - 10 100% Clystn: wht, soft, swelling

10 - 30 50% Sh: gry, soft, fri, sl silty-clayey, w/occ. carb. incl.
50% Clystn: AA

30 - 50 50% Sh: bl gry, soft, fri, clayey, some waxy
50% Clystn: AA

50 - 70 50% Sh: gry, soft, fri, clayey, w/carb. incl.
50% Clystn: AA

70 - 80 50% Ss: wht, m-g, sbang, mod clay fld, fair por.
30% Sh: gry-brn, firm, fri, sl silty, w/carb. incl.
20% Clystn: bl gry, soft, waxy

80 - 600 50% Sh: AA, gry
50% Clystn: AA

600 - 10 100% Sh: gry, soft, fri, sl silty-clayey, some waxy,
some micromicaceous

10 - 20 10% Ss: wht, fn-g, sbang, mod clay fill, fair por, w/occ.
carb. incl.
90% Sh: AA

20 - 30 30% Ss: AA
70% Sh: AA

30 - 50 10% Ss: AA
90% Sh: gry, firm, fri, silty-clayey, some lignitic

50 - 60 10% Ss: clr wht, fn-g, sbrnd, clean, good por, w/occ.
carb. incl.
90% Sh: AA, gry-brn
Tr. Coal: blk, vit.

60 - 70 100% Sh: AA
Tr. Ss: AA

70 - 80 N.S.

80 - 90 30% Ss: clr wht, fn-g, sbrnd, sl clay fld, good por.
70% Sh: AA

90 - 700 60% Ss: wht, m-g, sbrnd, sl-mod clay fld, good por,
sl arkosic, w/occ. carb. incl.
40% Sh: AA

700 - 10	20% Ss: AA 80% Sh: gry-drk brn, soft-firm, silty-clayey, some lignitic
10 - 20	50% Ss: wht, fn-vfn-g, sbrnd, clay fld, tite, sl arkosic, w/occ. carb. incl. 50% Sh: AA
20 - 30	10% Ss: wht, m-crs-g, sbrnd-sbang, mod clay fld, fair por, w/occ. carb. incl., sl arkosic 90% Sh: gry, soft, clayey, w/occ. carb. incl., some waxy
30 - 40	10% Ss: wht, fn-g, sbrnd, clay fld, tite, w/occ. carb. incl. 90% Sh: AA
40 - 50	100% Sh: AA, some brn, silty and carb.
50 - 60	20% Ss: wht, m-g, sbang, mod-hvy clay fill, fair por. - tite 80% Sh: AA
60 - 70	N.S.
70 - 800	100% Sh: AA
800 - 20	10% Ss: clr wht, m-g, sbrnd, clean, good por. 90% Sh: AA
20 - 30	30% Ss: wht, fn-g, sbrnd, mod clay fld (some swelling), fair por, w/occ. carb. incl, sl arkosic 70% Sh: gry, soft, fri, clayey, some waxy
30 - 70	100% Sh: AA
70 - 90	50% Ss: wht-buff, fn-m-g, sbang, clay fld, fair - poor por. 50% Sh: AA
90 - 900	100% Sh: AA, some sl silty
900 - 10	50% Ss: wht, fn-g, sbrnd, clay fld, tite 50% Sh: AA
10 - 30	100% Sh: AA
30 - 40	30% Ss: lt brn, vfn-g, sbrnd, sl clay fld, good por, w/occ. carb. incl. 70% Sh: AA
40 - 50	20% Ss: wht, vfn-fn-g, sbrnd, mod clay fld, fair por, w/carb. incl. 80% Sh: AA
50 - 70	100% Sh: AA Tr. Ss: AA
70 - 90	N.S.

990 - 1010 10% Ss: wht, fn-g, sbrnd, mod clay fld, w/carb. incl.,
sl calc.
90% Sh: AA

1010 - 40 N.S.

40 - 50 50% Ss: wht, m-g, sbrnd, mod clay fld, fair por.,
sl arkosic, w/carb. incl.
50% Sh: AA

50 - 60 10% Ss: AA
90% Sh: gry-brn, soft-firm, clayey, some silty, brn.
and lignitic

60 - 70 N.S.

70 - 80 10% Ss: AA
90% Sh: AA
Tr. Coal: blk, vit.

80 - 1110 N.S.

1110 - 30 100% Sh: gry, soft, fri, clayey

30 - 50 N.S.

50 - 80 40% Ss: wht, fn-m-g, sl-mod clay fill, good por, w/occ.
carb. incl.
60% Sh: gry, soft, clayey, some waxy

80 - 90 20% Ss: clr gry, fn-g, sbrnd, sl clay fld, good por,
w/carb. incl., sl arkosic
20% Sh: AA
10% Coal: blk, vit.
50% Ls: lt brn, dense, crypto-crystalline, no por.,
possibly a septarian nodule

90 - 1200 30% Ss: AA
60% Sh: AA
10% Ls: AA
Tr. Coal: AA

1200 - 10 10% Ss: wht, fn-g, sbrnd, mod clay fld, good por, w/occ.
carb. incl.
90% Sh: AA, some blk and coaly

10 - 20 100% Sh: AA, silty

20 - 40 100% Sh: AA, clayey, some waxy

40 - 50 10% Ss: gry-wht, fn-g, sbrnd, clay fld, tite
90% Sh: AA

50 - 60 60% Ss: wht, fn-g, sbrnd, hvy clay fld (swelling), w/occ.
carb. incl.
20% Sh: AA
20% Coal: AA

1260 - 70 50% Ss: AA, mod clay fill, fair por.
30% Sh: AA
20% Coal: blk, vit, shaly

70 - 80 20% Ss: AA, sl clay fld, good por.
60% Sh: gry, soft-firm, fri, sl silty, w/carb. incl.,
some drk gry and carb.
20% Coal: AA

80 - 90 50% Ss: wht, vfn-g, sbrnd, clay fld (swelling), tite
40% Sh: lt gry, soft, clayey, silty, w/occ. carb. incl.
10% Coal: AA

90 - 1300 60% Ss: wht, fn-m-g, poorly sorted, sbang, mod clay fld,
fair por, w/carb. incl., sl calc.
30% Sh: gry, firm, fri, silty, w/carb. incl.
10% Coal: blk, vit.

1300 - 40 60% Ss: AA, mod-hvy clay fill, some tite
30% Sh: AA, some soft, clayey, and waxy
10% Coal: AA

40 - 50 50% Ss: AA
40% Sh: AA, w/carb. incl.
10% Coal: AA

50 - 70 20% Ss: AA
70% Sh: AA
10% Coal: AA

70 - 90 100% Coal: AA

90 - 1400 10% Ss: wht, fn-g, sbrnd, mod-hvy clay fill, fair por,
w/carb. incl., some sl calc.
90% Coal: blk, vit.

1400 - 10 40% Ss: wht, m-g, sbang, mod clay fld, fair por, w/occ.
carb. incl., calc.
30% Sh: gry, soft, fri, clayey
30% Coal: AA

10 - 20 30% Ss: AA, sl arkosic
10% Sh: AA
60% Coal: AA

20 - 50 50% Ss: AA, fair-good por, w/occ. carb. incl.
10% Sh: gry, firm, fri, silty, w/carb. incl.
40% Coal: blk, vit.

50 - 60 30% Ss: AA, sl glauc.
70% Coal: AA

60 - 80 30% Ss: AA, fair por.
20% Sh: gry, soft, fri, clayey
50% Coal: blk, vit.

80 - 90 N.S.

1490 - 1500	20% Ss: AA, clay fld, fair por- tite 50% Sh: AA 30% Coal: AA
1500 - 10	30% Ss: AA 40% Sh: gry-brn, firm, fri, clayey-silty, w/carb. incl. 30% Coal: AA
10 - 20	30% Ss: AA 50% Sh: AA 20% Coal: AA
20 - 30	70% Ss: wht, fn-g, sbang, clay fld, tite, w/occ. carb. incl., sl arkosic, calc. 10% Sh: gry, soft, fri, clayey 20% Coal: blk, vit.
30 - 40	40% Ss: AA 40% Sh: AA 20% Coal: AA
40 - 50	10% Ss: AA 80% Sh: lt gry-lt brn, soft, fri, clayey, some silty, w/carb. incl. 10% Coal: blk, vit.
50 - 70	10% Ss: wht, fn-m-g, sbrnd, clay fld, tite, sl arkosic, calc. 70% Sh: AA, some silty 20% Coal: blk, vit.
70 - 80	30% Ss: wht, fn-g, sbrnd, clay fld, tite, calc. 40% Sh: lt gry, soft, fri, clayey 30% Coal: AA
80 - 1600	50% Ss: AA 40% Sh: AA 10% Coal: AA
1600 - 10	N.S.
10 - 20	20% Ss: AA 60% Sh: lt gry-brn, soft, fri, clayey, some silty, w/ carb. incl. 20% Coal: AA
20 - 30	10% Ss: AA 70% Sh: AA 20% Coal: AA
30 - 50	10% Ss: AA, sl less clayey, fair por. 60% Sh: AA 30% Coal: AA
1650' TD	