

SAMPLE DESCRIPTION

E-37-29N-12W

- 130 - 60 10% Ss: clr wht, m-g, sbang, sl clay fld, good porosity
90% Sh: gry, soft, fri, clayey, some waxy, sl swelling
- 60 - 70 10% Ss: AA
90% Sh: AA
Tr. Chert: clr, crs-g, ang.
- 70 - 90 10% Ss: AA, sl-mod clay fld, good-fair porosity
90% Sh: AA, less swelling
- 90 - 200 100% Sh: AA
Tr. Ls: wht, m-g, xln
- 200 - 430 N.S.
- 430 - 40 20% Ss: lt brn-wht, m-g, sbrnd, sl clay fld, good por.,
sl arkosic, sl lignitic, calc.
80% Sh: bl gry-gry, soft, fri, clayey, w/occ. carb. incl.
- 40 - 50 20% Ss: AA
80% Sh: AA, clayey-sl silty
- 50 - 80 50% Ss: wht, fn-g, sbang, hvy clay fld (swelling), tite
50% Sh: AA, bl gry
- 80 - 90 50% Ss: lt grn-wht, fn-m-g, sbang, mod-hvy clay fld,
fair-poor porosity, sl arkosic, w/occ. carb. incl.
50% Sh: AA
- 90 - 500 30% Ss: AA
70% Sh: AA
- 500 - 10 70% Ss: wht, m-g, sbang, mod clay fld, fair por, w/occ.
dk lithic incl., calc.
30% Sh: bl gry, firm, fri, sandy, w/occ. carb. incl.
- 10 - 40 20% Ss: wht, vfn-g, sbrnd, hvy clay fld (swelling), tite
80% Sh: gry-bl gry, soft-firm, fri, sl clayey-silty
- 40 - 50 100% Sh: gry, firm, fri, silty
Tr. Ss: AA
- 50 - 70 90% Sh: AA, some clayey
10% Ss: AA
- 70 - 600 40% Ss: wht, fn-g, sbang, hvy clay fld (swelling), tite,
sl calc.
60% Sh: gry, soft, fri, sl clayey, w/occ carb. incl.
- 600 - 20 60% Ss: AA
40% Sh: AA
- 20 - 50 50% Ss: AA
50% Sh: AA, silty-clayey

650 - 70 70% Ss: AA
30% Sh: AA

670 - 730 N.S.

730 - 40 100% Sh: gry, sandy, firm

40 - 50 100% Sh: gry-drk gry, firm, some sandy, some waxy

50 - 70 100% Sh: gry, firm, sandy

770 - 990 N.S.

990 - 1000 70% Ss: lt gry, fn-g, sbrnd, shaly, hard, poss. sl
porosity, N-S
30% Sh: gry-drk gry, soft, carb. in part

1000 - 10 60% Ss: lt gry, fn-g, sbrnd, sl clay fld, firm, sl porous,
N-S
40% Sh: AA

10 - 20 100% Sh: gry-drk gry, soft, sl carb.

20 - 30 80% Sh: AA
20% Coal: blk, vitreous, some shaly

30 - 40 100% Sh: AA

40 - 60 90% Sh: AA
10% Coal: blk, vitreous, blocky

60 - 70 20% Ss: lt gry, fn-g, sbrnd, clay fld, friable, sl por-
ous, N-S
70% Sh: lt gry, soft, clayey
10% Coal: blk, vitreous

1070 - 1110 80% Sh: AA
20% Coal: AA

10 - 20 20% Ss: gry, fn-g, sbrnd, carb, clay fld, poss. sl.
porous, N-S
80% Sh: gry, firm

20 - 30 100% Sh: gry, firm, w/carb. incl.

30 - 40 20% Ss: gry, fn-g, sbrnd, carb, sl porous, N-S
80% Sh: AA

40 - 50 30% Ss: clr, fn-m-g, sbrnd, some lse, some sl clay fld,
porous, N-S
70% Sh: AA

50 - 60 80% Sh: gry, firm, w/carb. incl.
20% Coal: blk, shaly

1160 - 70 10% Ss: lt gry, vfn-g, sbrnd, mod clay fld, firm, sl
porous, N-S
90% Sh: gry-brn, firm, carb.

70 - 80 30% Ss: clr-wht, fn-m-g, sbrnd-rndd, hvy clay fld,
firm, no visible porosity, N-S
60% Sh: gry, firm
10% Coal: blk, shaly

80 - 90 10% Ss: lt gry, vfn-g, sbrnd, hvy clay fill, soft, no
vis. porosity, N-S
80% Sh: gry, firm, silty in part
10% Coal: blk, vitreous

90 - 1200 10% Ss: AA
90% Sh: AA

1200 - 10 10% Ss: lt gry-wht, m-crs-g, sbrnd, vy hvy clay fill,
tite, N-S
90% Sh: AA

10 - 20 10% Ss: clr, fn-g, sbrnd, clean, friable, porous, N-S
80% Sh: AA
10% Coal: blk, shaly

20 - 30 20% Ss: lt gry, vfn-g, sbang, arkosic, friable, porous,
N-S
80% Sh: gry, firm, sl sandy

30 - 50 100% Sh: AA

50 - 60 N.S.

60 - 70 80% Sh: gry, firm
20% Coal: blk, vitreous

70 - 80 N.S.

80 - 90 100% Sh: gry, sandy, w/some pyrite inclusions, firm

90 - 1300 100% Sh: AA

1300 - 10 40% Ss: gry, fn-m-g, sbrnd, arkosic, mod clay fill,
calc, sl porous, N-S
60% Sh: gry, firm, sl calc.

10 - 20 50% Ss: wht, fn-m-g, sbang, hvy-mod clay fill (swelling),
tite, sl arkosic, w/occ carb. incl., sl calc.
50% Sh: gry, firm, fri, silty, w/carb. incl.

20 - 40 70% Ss: AA, fn-g
30% Sh: AA
Tr. Chert: clr, crs-g, ang.

1340 - 50 50% Ss: AA, fn-m-g, mod clay fill (swelling), poss.
sl. porosity
50% Coal: blk, vit.

50 - 70 40% Ss: AA, hvy clay fill, tite
10% Sh: gry, soft, fri, clayey-silty
50% Coal: AA

70 - 90 50% Ss: wht, fn-m-g, sbrnd, mod-hvy clay fill (swelling),
some good porosity, sl arkosic
10% Sh: bl gry, soft, fri, clayey, some waxy
40% Coal: AA

90 - 1400 N.S.

1400 - 10 50% Ss: wht, fn-m-g, sbang, mod clay fill, fair porosity,
sl arkosic, sl glauc.
10% Sh: AA
40% Coal: AA

10 - 30 40% Ss: wht, fn-m-g, sbang, mod-hvy clay fill, fair
porosity, sl arkosic, w/occ. carb. incl.
10% Sh: AA
50% Coal: blk, vit.

30 - 40 50% Ss: AA
50% Coal: AA

40 - 60 50% Ss: wht, fn-g, sbrnd, hvy clay fill (swelling),
sl arkosic, w/carb. incl.
10% Sh: gry, soft, fri, sl silty, w/occ. carb. incl.
40% Coal: AA

60 - 70 N.S.

70 - 80 30% Ss: AA
50% Sh: gry, soft, fri, clayey
20% Coal: blk, vit.

80 - 90 50% Ss: wht, fn-g, sbrnd, sl-mod clay fld (some swelling),
w/occ. carb. incl., sl arkosic, fair - good porosity
40% Sh: AA, some silty
10% Coal: blk, vit.

90 - 1500 50% Ss: clr-wht, fn-m-g, sbrnd, firm, calc, arkosic,
clay fld, mod porosity, N-S
30% Sh: gry, firm, carb. in part
20% Coal: blk, vit.

1500 - 10 30% Ss: AA
50% Sh: AA
20% Coal: AA

10 - 30 30% Ss: lt gry, fn-g, sbrnd, firm, sl arkosic, calc,
porous, N-S
40% Sh: AA
30% Coal: AA

1530 - 40 50% Ss: lt gry, vfn-g, sbrnd, firm, clay fld, sl porous,
 N-S
 40% Sh: AA
 10% Coal: AA

40 - 60 30% Ss: AA
 60% Sh: AA
 10% Coal: AA

60 - 70 10% Ss: AA
 70% Sh: AA
 20% Coal: AA

1570 - 1610 100% Sh: gry-drk gry, firm, carb. in part

1610 - 60 N.S.

TD 1660'