Depth (feet)
Fracture width
Color Value
Weight Loss of Carbonate (%)
Calcareous
Grain Size (in μm)
Rock Type
Insoluble Residuum
Loose Grains
Fossils
Minerals
Notes
highly
moderately
slightly
non-
very fine
fine
medium
coarse
very coarse
A
SA
SR
R
VA
Dark-green glauconite, ironstone, pyrite, illite, montmorillonite, and 19 magnetite grains.
Siltstone, medium-gray, moderately calcareous, 50-55%. Siltstone, dark-gray, moderately calcareous, 30-35%. Shale, medium-light-gray to medium-gray (N4 to N5), moderately calcareous, 5-5%.
Same as 2740–2800 ft interval.
Siltstone, slightly shaly, medium-gray, moderately calcareous, micaceous, 85–90%. Claystone, medium-light-gray (N6) to medium gray (N5), slightly calcareous, micaceous, 5-10%. Sandstone, light-olive-gray (5Y6/1) to olive-gray (5Y4/1), clayey, some shaly, angular, vfU, micaceous, moderately calcareous, trace. One sandstone fragment has a foraminifer fragment of either mid-Mesozoic or younger age.
Siltstone, medium-gray to medium-light-gray, some shaly and laminated, micaceous, 85-90%. Shale, dark-gray (N3), 10%. Claystone, light-olive-gray (5Y4/1), silty, highly calcareous to noncalcareous, 2-5%.
Siltstone, medium-gray to medium-dark-gray, micaceous, 90-95%. Claystone, medium-light-gray (N6) to medium gray (N5) with hint of olive-gray (5Y5/1), moderately calcareous to slightly calcareous, 5%. Siltstone, brownish-black (5YR2/1) with white patches, highly calcareous to moderately calcareous, trace. Sandstone, fU to vfL, light-olive-gray (5Y6/1), with mica, and dark-green glauconite, trace.
Siltstone, same as above, 99%. Claystone, light-olive-gray (5Y6/1), moderately calcareous to slightly calcareous, trace.
Siltstone, medium-gray to medium-dark-gray, slightly calcareous, 100%. Sandstone, fU-vfL, white, moderately calcareous, trace.
Siltstone, same as above and micaceous, some calcite and (or) quartz-filled fractures, 100%. Siltstone, brownish-gray (5Y6/4(1)) to black-brownish-gray (5YR2/1), highly calcareous, pyrite cube fragments, trace.
Siltstone, medium-gray to medium-dark-gray (N5-N4), moderately calcareous, a few massive pyrite fragments, 100%. Claystone, silty, olive-gray (5Y4/1), moderately calcareous, trace.
Siltstone, medium-gray, some calcite-filled fractures, 100%.
Siltstone, medium-dark-gray, some pyrite, 99%. Shale, medium-gray (N5), moderately calcareous, some quartz grains (vfU), 1%.
Siltstone, same as 3600-3640 ft interval, but no apparent pyrite, 99%. Shale, medium-gray (N5), moderately calcareous, 1%. Limestone, black (N1) with white patches.
Siltstone, medium-dark-gray to medium-gray, 99%. Limestone, brownish-gray (5Y5/4(1)) with very-light-gray (N8) to white (N9) patches, trace. Shale same as above, trace.
Siltstone, medium-light-gray to dark-gray, 70%. Limestone, black (N1) with white (N9) patches, 25%. Shale, olive-gray (5Y4/1), moderately calcareous, 5%. Siltstone, olive-gray (5Y4/1), moderately calcareous, micaceous, trace. Sandstone, trace.
Siltstone, medium-dark-gray, some pyrite, 99%. Shale, medium-gray (N5), moderately calcareous, some quartz grains (vfU), 1%.
Siltstone, medium-gray to dark-gray, 95%. Limestone, black (N1) to grayish-black (N2) with white (N9) patches, 5%. Sandstone, trace.
Siltstone, dark-gray, with white (N9) patches, 99%. Shale, dark-gray (N3), slightly calcareous to moderately calcareous, 5%.
Siltstone, medium-dark-gray to medium-gray, 99%. Limestone, brownish-gray (5Y5/4(1)) with very-light-gray (N8) to white (N9) patches, trace. Shale same as above, trace.
Siltstone, black with white (N9) patches, moderately calcareous to highly calcareous to limestone, silty, black (N1) with white (N9) patches, 95%. Shale, medium-gray (N5) with some medium-light-gray (N6), moderately calcareous, some fractures <.0.2 mm wide, 5%.
Siltstone, grayish-black, moderately calcareous to limestone, silty, same as 4060-4120 ft interval, some calcite-filled fractures, 90-95%. Shale, same as 4060-4120 ft interval but slightly calcareous, 5-10%.
Limestone, silty to siltstone, highly calcareous, dark-gray, 25-35%. Mudstone, medium-light-gray, moderately calcareous, some calcite-filled fractures, 25%. Siltstone, dark-gray (N3), medium-light-gray (N6) patches, moderately calcareous, 15%. Shale, dark-gray (N3) to medium-dark-gray (N4), moderately calcareous, 10%. Trace sandstone fragments.
Limestone, silty, dark-gray, 60%, to black with white (N9) patches, 20%. Shale, medium-dark-gray (N4) to medium-gray (N5), very slightly calcareous to moderately calcareous, 5-10%.
Limestone, silty, black with white (N9) patches, 65%. Limestone, light-gray (N7) with medium-light-gray (N6) patches, 5%. Siltstone, medium-light-gray (N6), moderately calcareous to highly calcareous, 1%. Shale, dark-gray (N3), trace.
Limestone, dark-gray, with white (N9) patches, 99%. Shale, dark-gray (N3), slightly calcareous to moderately calcareous, 5%.
Siltstone, black with white (N9) patches, moderately calcareous to highly calcareous to limestone, silty, black (N1) with white (N9) patches, 95%. Shale, medium-gray (N5) with some medium-light-gray (N6), moderately calcareous, some fractures <.0.2 mm wide, 5%.
Siltstone, dark-gray, moderately calcareous to highly calcareous, some shaly, some with calcite-filled fractures and pyrite-filled masses, 50-55%. Limestone, silty, black (N1) with white (N9) patches, rare pyrite, rare slickensides, a few slickensides with calcite-filled fractures, 5-10%, and light-gray (N7) with white (N9) patches, 1%. Shale, black (N1), moderately calcareous, trace.
Siltstone, grayish-black, moderately calcareous to limestone, silty, black (N1) with white (N9) patches, 25%. Shale, olive-gray (5Y4/1), moderately calcareous, 5%. Siltstone, olive-gray (5Y4/1), moderately calcareous, micaceous, trace. Sandstone, trace.
Siltstone, medium-dark-gray, some pyrite cubes, 99%. Limestone, black (N1) with white patches, 1%.
Siltstone, medium-dark-gray, some pyrite, 99%. Shale, medium-gray (N5), moderately calcareous, some quartz grains (vfU), 1%.
Siltstone, same as 3680-3940 interval, 95%. Limestone, same as 3880-3940 interval, 5%.
Siltstone, shaly (1-2%) to shale, silty, grayish-black to clark-gray, some calcite-filled fractures, 97%.
Siltstone, shaly to shale, silty, dark-gray, some fractures filled with calcite, a few with pyrite, 99%.
Siltstone, medium-light-gray to dark-gray, 70%. Limestone, black (N1) with white (N9) patches, 25%. Shale, olive-gray (5Y4/1), moderately calcareous, 5%. Siltstone, olive-gray (5Y4/1), moderately calcareous, micaceous, trace. Sandstone, trace.
Siltstone, medium-dark-gray, some pyrite cubes, 99%. Limestone, black (N1) with white patches, 1%.
Siltstone, shaly to shale, silty, dark-gray to medium-dark-gray, a few calcite-filled fractures, some pyrite cubes, 99%. Limestone, black (N1) with white patches, trace.
Siltstone, shaly to shale, silty, dark-gray to medium-dark-gray, a few calcite-filled fractures and some pyrite cubes or masses, 95%. Limestone, brownish-black (5YR2/1) with white patches, trace.
Siltstone, shaly to shale, silty, dark-gray to medium-dark-gray, 95%. Siltstone, shaly, black (N1), moderately calcareous with white streaks, 5%.
Siltstone, shaly to shale, silty, dark-gray to medium-dark-gray, some fractures filled with calcite, a few with pyrite, 99%.
Siltstone, shaly to shale, silty, dark-gray to medium-gray, 99%.
Siltstone, shaly to shale, silty, dark-gray to medium-dark-gray, a few calcite-filled fractures, 99%. Limestone, black (N1), moderately calcareous, with white streaks, trace.
Siltstone, shaly to shale, silty, medium-dark-gray to medium-gray, 98%. Shale, black (N1), moderately calcareous, with white streaks, trace.
Siltstone, shaly to shale, silty, medium-dark-gray to medium-gray, some calcite-filled fractures, 99%. Limestone, black (N1), with white patches, trace.
Siltstone, shaly to shale, silty, medium-dark-gray to medium-gray, some calcite-filled fractures and some pyrite masses, 99%.
Same as 5360-5400 ft interval.
Siltstone, shaly to shale, silty, medium-gray to medium-dark-gray, some calcite-filled fractures and some pyrite masses, 99%.
Siltstone, shaly to shale, silty, medium-dark-gray to medium-gray, some calcite-filled fractures, 99%. Shale, black (N1), with white patches, trace.
Siltstone, shaly to shale, silty, medium-dark-gray to medium-gray, some calcite-filled fractures, 99%. Limestone, black (N1), with white patches, trace.
Siltstone, shaly to shale, silty, medium-dark-gray to medium-gray, some shaly, some calcite-filled fractures, 99%. Limestone, black (N1), with white patches, trace.
Siltstone, shaly to shale, silty, medium-dark-gray to medium-gray, some black (N1), highly calcareous with white streaks, 99%.
Same as 5620-5680 ft interval, but has some calcite-filled fractures 99%.
Siltstone, shaly to shale, silty, dark-gray to medium-dark-gray, 95%. Siltstone, shaly, black (N1), moderately calcareous with white streaks, 5%.
Same as 5680-5740 ft interval. Limestone, black (N1), with white patches, trace.
Siltstone, shaly to shale, silty, dark-gray to medium-gray, some calcite-filled fractures, 99%. Limestone, black (N1), some pyrite, trace.
Siltstone, shaly to shale, silty, dark-gray to medium-dark-gray, a few calcite-filled fractures, 99%. Sandstone, white (N9), highly calcareous, coarse to slt size, average grain size is 0.2 mm (fine grained sandstone), angular, trace mica, 1% dark minerals, trace. Limestone, black (N1), with white patches, trace.
Siltstone, shaly to shale, silty, medium-dark-gray to medium-gray, some black (N1), highly calcareous with white streaks, 99%.
Same as 5920-5980 ft interval, except there are wider calcite-filled fractures, 99%. Limestone, medium-dark-gray (N4), trace.
Siltstone, shaly to shale, silty, medium-dark-gray to medium-gray, some calcite-filled fractures, 99%. Sandstone, medium-dark-gray (N4) to medium-gray (N5) with light-gray patches, vfU to slt size grains, highly calcareous, trace.
Same as 5980-6040 ft interval, trace.
Siltstone, shaly to shale, silty, same as 5980-6040 ft interval, 99%. Sandstone, same as 5980-6040 ft interval, trace.
Siltstone, shaly to shale, silty, medium-dark-gray to medium-gray, some calcite-filled fractures, 99%. Sandstone, highly calcareous, same as 5980-6040 ft interval, trace.
Siltstone, shaly to shale, silty, same as 6100-6160 ft interval, 97%. Sandstone, medium-dark-gray to medium-gray, with white (N9) and medium-light-gray patches, vfU to slt-size grains, some pyrite, highly calcareous, 3%. Siltstone, very-light-gray (N8) and dark-gray (N3), highly calcareous, some shale laminae, trace.
No sample available.
Shale, silty to siltstone, shaly, medium-dark-gray, a few calcite-filled fractures and a few slickensides and interlaminated sandstone, 99%. Sandstone, same as 5980-6020 ft interval, trace. Limestone, same as 5980-5920 ft interval, trace.
Same as 6280-6300 ft interval.
Siltstone, shaly to shale, silty, medium-dark-gray, some calcite-filled fractures, 85-90%. Siltstone, highly calcareous, same as 6280-6340 ft interval,10-15%. Sandstone, medium-dark-gray to medium-gray (N5) with white (N9) and medium-light-gray (N6) patches, vfU to slt-size grains, some pyrite and turquoise-colored glauconite, trace.
Shale, silty to siltstone, shaly, medium-dark-gray, a few calcite-filled fractures, 85-90%. Siltstone, shaly, highly calcareous, same as 6340-6400 ft interval, but no pyrite or glauconite, a few calcite-filled fractures <0.5 mm wide, trace. Limestone, black (N1) with white streaks and patches, trace.
Shale, silty to siltstone, shaly, medium-dark-gray, a few calcite-filled fractures, 85-90%. Siltstone, shaly, highly calcareous, same as 6340-6400 ft interval, 10-15%. Sandstone, same as 6340-6400 ft interval, but no pyrite or glauconite, trace.
No sample available.
Shale, silty to siltstone, shaly, medium-dark-gray, some black (N1), highly calcareous, 99%. Siltstone, highly calcareous, black (N1) with white (N9) and medium-light-gray (N6) patches, 1%.
Shale, silty to siltstone, shaly, medium-dark-gray, a few calcite-filled fractures and there are two sets of fractures, 99%. Siltstone, highly calcareous, grayish-black (N2) with light-gray (N7) patches, trace.
Shale, silty to siltstone, shaly, medium-dark-gray, some calcite-filled fractures, 75%. Shale, silty, dark-gray (N3), slightly calcareous, 20-25%. Sandstone to siltstone, same as 6340-6400 ft interval, but no pyrite or glauconite, a few calcite-filled fractures <0.5 mm wide, trace. Limestone, black (N1) with white streaks and patches, trace.
Shale, silty to siltstone, shaly, medium-dark-gray, some mica, some calcite-filled fractures, one fragment with cokelte-filled fracture, 99%. Sandstone, same as for 6340-6400 ft interval, but no pyrite or glauconite grains, some mica grains, and some calcite-filled fractures as thick as 2.5 mm, trace.
Shale, silty to siltstone, shaly, medium-dark-gray, a few calcite-filled fractures, 85-90%. Siltstone, shaly, highly calcareous, same as 6280-6340 ft interval, 10-15%. Sandstone, same as 6340-6400 ft interval, but no pyrite or glauconite, trace.
Shale, some silty, medium-gray, a few calcite-filled fractures, 95%. Sandstone to siltstone, medium-dark-gray (N4) and light-gray (N7), vfL to slt-size grains, highly calcareous, 5%.
Shale, silty, medium-dark-gray to dark-gray, 90%. Sandstone to siltstone, same as 6700-6760 ft interval, 10%.
Shale, some silty, medium-dark-gray to dark-gray, some calcite-filled fractures, 75%. Sandstone to siltstone, same as 6700-6760 ft interval, but medium-dark-gray (N4) and light-gray (N7) to black (N1), highly calcareous, 25%.
Shale, same as 6700-6820 ft interval, 75%. Sandstone to siltstone, same as 6700-6760 ft interval, but medium-dark-gray (N4) and light-gray (N7) to black (N1), some calcite-filled fractures <0.5 mm wide, 25%.
Shale, silty to siltstone, shaly, medium-dark-gray, some calcite-filled fractures, 75%. Shale, silty, dark-gray (N3), slightly calcareous, 20-25%. Sandstone to siltstone, same as 6700-6760 ft interval, but medium-dark-gray (N4) and light-gray (N7) to black (N1), some calcite-filled fractures <0.5 mm wide, trace.
Shale, some silty, medium-gray to dark-gray, slightly calcareous to moderately calcareous, some calcite-filled fractures, 70-75%. Sandstone to siltstone, same as 6700-6760 ft interval, but medium-dark-gray (N4) and light-gray (N7) to black (N1), a few pyrite masses, 25-30%.
Shale, same as 6700-6840 ft intervals, 80%. Sandstone to siltstone, same as 6700-6760 ft interval, but medium-dark-gray and light-gray (N7) to black (N1), some calcite-filled fractures <0.5 mm wide, 20%.
Shale, some silty, medium-gray, a few calcite-filled fractures, 95%. Sandstone to siltstone, medium-dark-gray (N4) and light-gray (N7), vfL to slt-size grains, highly calcareous, 5%.
Shale, silty, medium-dark-gray to dark-gray, 90%. Sandstone to siltstone, same as 6700-6760 ft interval, 10%.
Shale, some silty, medium-dark-gray to dark-gray, some calcite-filled fractures, 75%. Sandstone to siltstone, same as 6700-6760 ft interval, but medium-dark-gray (N4) and light-gray (N7) to black (N1), highly calcareous, 25%.
Shale, same as 6700-6840 ft intervals, but no fractures observed and slightly calcareous, 75%. Sandstone to siltstone, same as 6700-6760 ft interval, but a few calcite-filled fractures, 25%.
Shale, some silty, medium-dark-gray to dark-gray, some calcite-filled fractures, 75%. Sandstone to siltstone, same as 6700-6760 ft interval, but medium-dark-gray (N4) to black (N1), highly calcareous, 25%.
Shale, same as 6700-6840 ft intervals, but some siltstone, shaly, and slightly calcareous to moderately calcareous, 75%. Sandstone to siltstone, same as 6700-6760 ft interval, but some calcite fractures, 25%.
Siltstone, medium-gray, moderately calcareous, 50-55%. Siltstone, dark-gray, moderately calcareous, 30-35%. Shale, medium-light-gray to medium-gray (N4 to N5), moderately calcareous, 5-5%.
Siltstone, medium-gray to medium-dark-gray, micaceous, 90-95%. Claystone, medium-light-gray (N6) to medium gray (N5) with hint of olive-gray (5Y5/1), moderately calcareous to slightly calcareous, 5%. Siltstone, brownish-black (5YR2/1) with white patches, highly calcareous to moderately calcareous, trace. Sandstone, fU to vfL, light-olive-gray (5Y6/1), with mica, and dark-green glauconite, trace.
Siltstone, medium-gray to medium-dark-gray, micaceous, 85-90%. Shale, dark-gray (N3), 10%. Claystone, light-olive-gray (5Y4/1), silty, highly calcareous to noncalcareous, 2-5%.
Siltstone, medium-gray to medium-dark-gray, some shaly and laminated, micaceous, 85-90%. Shale, dark-gray (N3), 10%. Claystone, light-olive-gray (5Y4/1), silty, highly calcareous to noncalcareous, 2-5%.
Siltstone, medium-gray, moderately calcareous, 50-55%. Siltstone, dark-gray, moderately calcareous, 30-35%. Shale, medium-light-gray to medium-gray (N4 to N5), moderately calcareous, 5-5%.
Siltstone, medium-gray to medium-dark-gray, micaceous, 90-95%. Claystone, medium-light-gray (N6) to medium gray (N5) with hint of olive-gray (5Y5/1), moderately calcareous to slightly calcareous, 5%. Siltstone, brownish-black (5YR2/1) with white patches, highly calcareous to moderately calcareous, trace. Sandstone, fU to vfL, light-olive-gray (5Y6/1), with mica, and dark-green glauconite, trace.
Siltstone, same as above, 99%. Claystone, light-olive-gray (5Y6/1), moderately calcareous to slightly calcareous, trace.
Siltstone, slightly shaly, medium-gray, moderately calcareous, micaceous, 85-90%. Claystone, medium-light-gray (N6) to medium gray (N5), slightly calcareous, micaceous, 5-10%. Sandstone, light-olive-gray (5Y6/1) to olive-gray (5Y4/1), clayey, some shaly, angular, vfU, micaceous, moderately calcareous, trace. One sandstone fragment has a foraminifer fragment of either mid-Mesozoic or younger age.
Siltstone, same as above and micaceous, some calcite and (or) quartz-filled fractures, 100%. Siltstone, brownish-gray (5Y6/4(1)) to black-brownish-gray (5YR2/1), highly calcareous, pyrite cube fragments, trace.
Siltstone, medium-gray to medium-dark-gray (N5-N4), moderately calcareous, a few massive pyrite fragments, 100%. Claystone, silty, olive-gray (5Y4/1), moderately calcareous, trace.
Siltstone, medium-gray, some calcite-filled fractures, 100%.
Siltstone, medium-dark-gray, some pyrite, 99%. Shale, medium-gray (N5), moderately calcareous, some quartz grains (vfU), 1%.
Siltstone, same as 3680-3940 interval, 95%. Limestone, same as 3880-3940 interval, 5%.
Siltstone, same as 3600-3640 ft interval, but no apparent pyrite, 99%. Shale, medium-gray (N5), moderately calcareous, 1%. Limestone, black (N1) with white patches.
Siltstone, medium-dark-gray to medium-gray, 99%. Limestone, brownish-gray (5Y5/4(1)) with very-light-gray (N8) to white (N9) patches, trace. Shale same as above, trace.
Siltstone, black with white (N9) patches, moderately calcareous to highly calcareous to limestone, silty, black (N1) with white (N9) patches, 95%. Shale, medium-gray (N5) with some medium-light-gray (N6), moderately calcareous, some fractures <.0.2 mm wide, 5%.
Siltstone, grayish-black, moderately calcareous to limestone, silty, same as 4060-4120 ft interval, some calcite-filled fractures, 90-95%. Shale, same as 4060-4120 ft interval but slightly calcareous, 5-10%.
Limestone, silty to siltstone, highly calcareous, dark-gray, 25-35%. Mudstone, medium-light-gray, moderately calcareous, some calcite-filled fractures, 25%. Siltstone, dark-gray (N3), medium-light-gray (N6) patches, moderately calcareous, 15%. Shale, dark-gray (N3) to medium-dark-gray (N4), moderately calcareous, 10%. Trace sandstone fragments.
Limestone, silty, dark-gray, 60%, to black with white (N9) patches, 20%. Shale, medium-dark-gray (N4) to medium-gray (N5), very slightly calcareous to moderately calcareous, 5-10%.
Limestone, silty, black with white (N9) patches, 65%. Limestone, light-gray (N7) with medium-light-gray (N6) patches, 5%. Siltstone, medium-light-gray (N6), moderately calcareous to highly calcareous, 1%. Shale, dark-gray (N3), trace.
Limestone, dark-gray, with white (N9) patches, 99%. Shale, dark-gray (N3), slightly calcareous to moderately calcareous, 5%.
Siltstone, black with white (N9) patches, moderately calcareous to highly calcareous to limestone, silty, black (N1) with white (N9) patches, 95%. Shale, medium-gray (N5) with some medium-light-gray (N6), moderately calcareous, some fractures <.0.2 mm wide, 5%.
Siltstone, dark-gray, moderately calcareous to highly calcareous, some shaly, some with calcite-filled fractures and pyrite-filled masses, 50-55%. Limestone, silty, black (N1) with white (N9) patches, rare pyrite, rare slickensides, a few slickensides with calcite-filled fractures, 5-10%, and light-gray (N7) with white (N9) patches, 1%. Shale, black (N1), moderately calcareous, trace.
Siltstone, grayish-black, moderately calcareous to limestone, silty, black (N1) with white (N9) patches, 25%. Shale, olive-gray (5Y4/1), moderately calcareous, 5%. Siltstone, olive-gray (5Y4/1), moderately calcareous, micaceous, trace. Sandstone, trace.
Siltstone, medium-dark-gray, some pyrite cubes, 99%. Limestone, black (N1) with white patches, 1%.
Siltstone, medium-dark-gray, some pyrite, 99%. Shale, medium-gray (N5), moderately calcareous, some quartz grains (vfU), 1%.
Siltstone, same as 3680-3940 interval, 95%. Limestone, same as 3880-3940 interval, 5%.
Siltstone, same as 3600-3640 ft interval, but no apparent pyrite, 99%. Shale, medium-gray (N5), moderately calcareous, 1%. Limestone, black (N1) with white patches.
Siltstone, medium-dark-gray to medium-gray, 99%. Limestone, brownish-gray (5Y5/4(1)) with very-light-gray (N8) to white (N9) patches, trace. Shale same as above, trace.
Siltstone, black with white (N9) patches, moderately calcareous to highly calcareous to limestone, silty, black (N1) with white (N9) patches, 95%. Shale, medium-gray (N5) with some medium-light-gray (N6), moderately calcareous, some fractures <.0.2 mm wide, 5%.
Siltstone, grayish-black, moderately calcareous to limestone, silty, same as 4060-4120 ft interval, some calcite-filled fractures, 90-95%. Shale, same as 4060-4120 ft interval but slightly calcareous, 5-10%.
Limestone, silty to siltstone, highly calcareous, dark-gray, 25-35%. Mudstone, medium-light-gray, moderately calcareous, some calcite-filled fractures, 25%. Siltstone, dark-gray (N3), medium-light-gray (N6) patches, moderately calcareous, 15%. Shale, dark-gray (N3) to medium-dark-gray (N4), moderately calcareous, 10%. Trace sandstone fragments.
Limestone, silty, dark-gray, 60%, to black with white (N9) patches, 20%. Shale, medium-dark-gray (N4) to medium-gray (N5), very slightly calcareous to moderately calcareous, 5-10%.
Limestone, silty, black with white (N9) patches, 65%. Limestone, light-gray (N7) with medium-light-gray (N6) patches, 5%. Siltstone, medium-light-gray (N6), moderately calcareous to highly calcareous, 1%. Shale, dark-gray (N3), trace.
Limestone, dark-gray, with white (N9) patches, 99%. Shale, dark-gray (N3), slightly calcareous to moderately calcareous, 5%.
Siltstone, black with white (N9) patches, moderately calcareous to highly calcareous to limestone, silty, black (N1) with white (N9) patches, 95%. Shale, medium-gray (N5) with some medium-light-gray (N6), moderately calcareous, some fractures <.0.2 mm wide, 5%.
Siltstone, dark-gray, moderately calcareous to highly calcareous, some shaly, some with calcite-filled fractures and pyrite-filled masses, 50-55%. Limestone, silty, black (N1) with white (N9) patches, rare pyrite, rare slickensides, a few slickensides with calcite-filled fractures, 5-10%, and light-gray (N7) with white (N9) patches, 1%. Shale, black (N1), moderately calcareous, trace