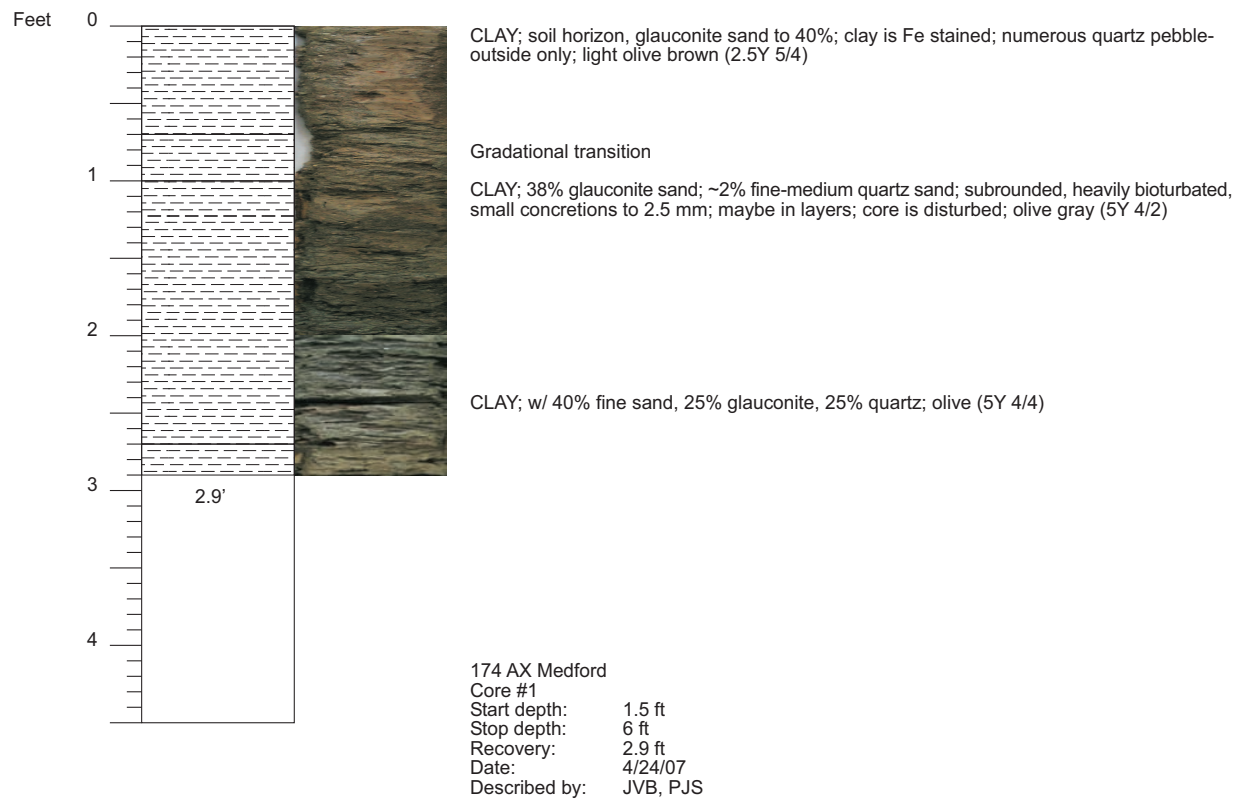


CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

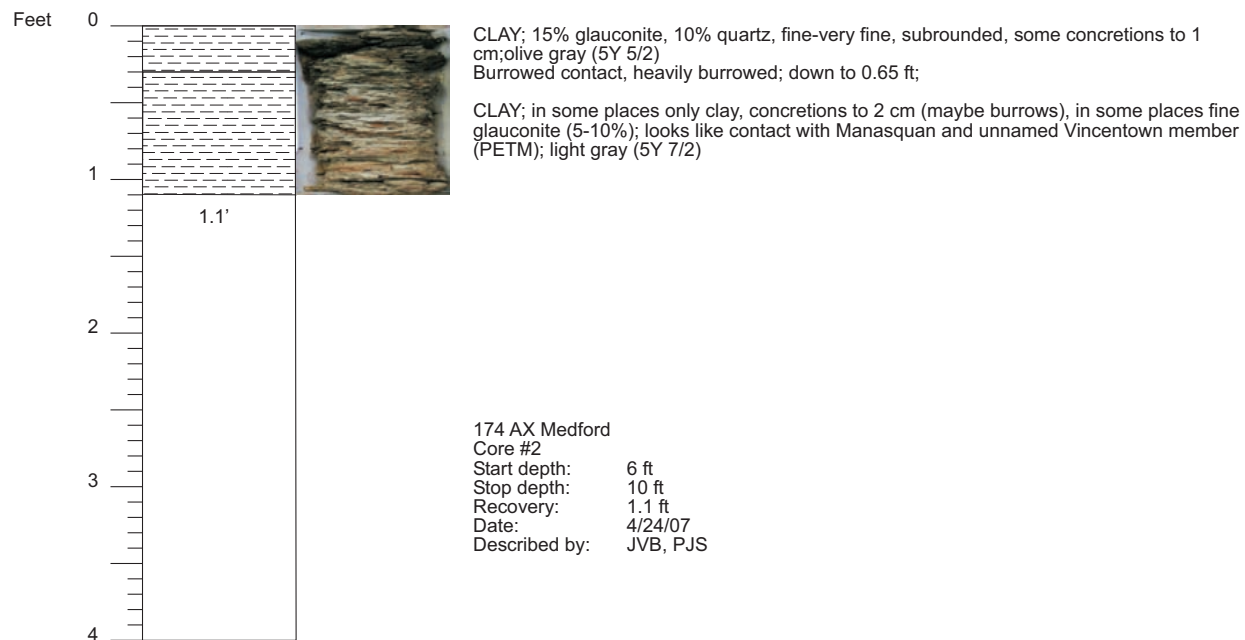
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CORE DESCRIPTIONS

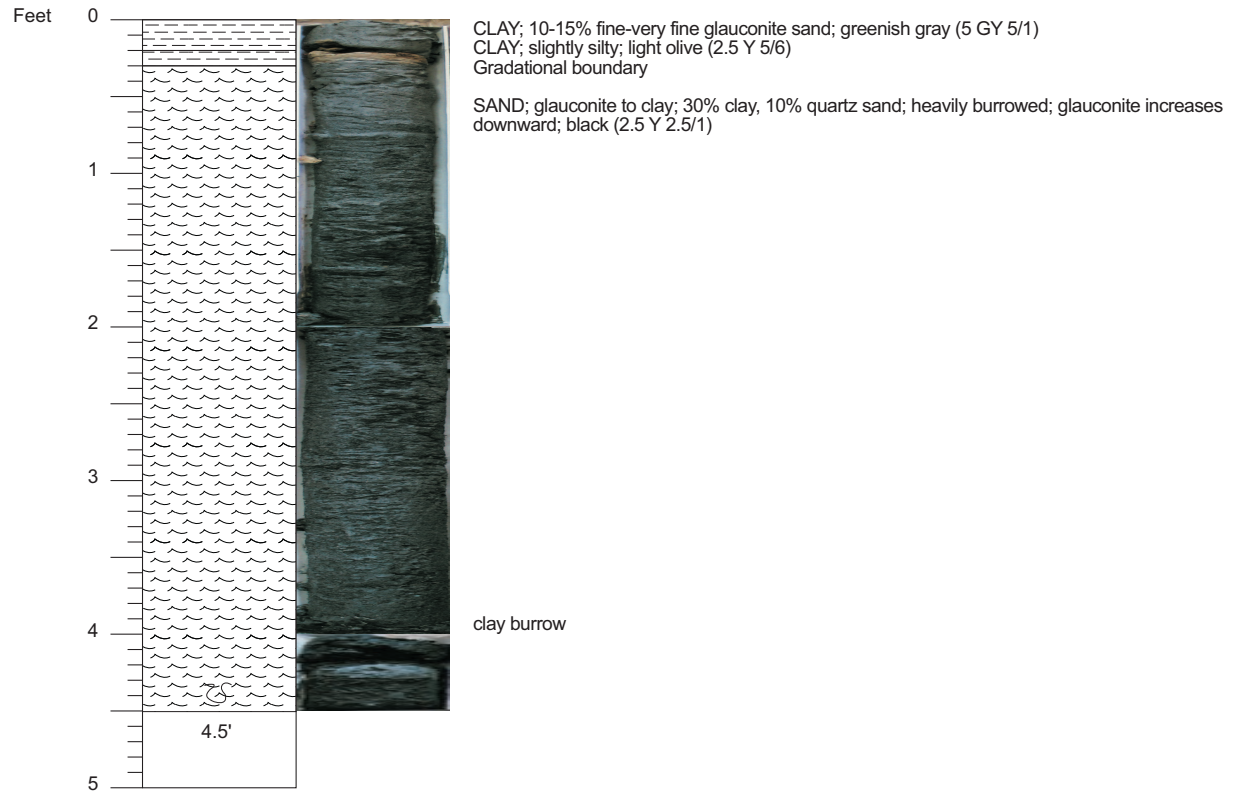
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

2



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

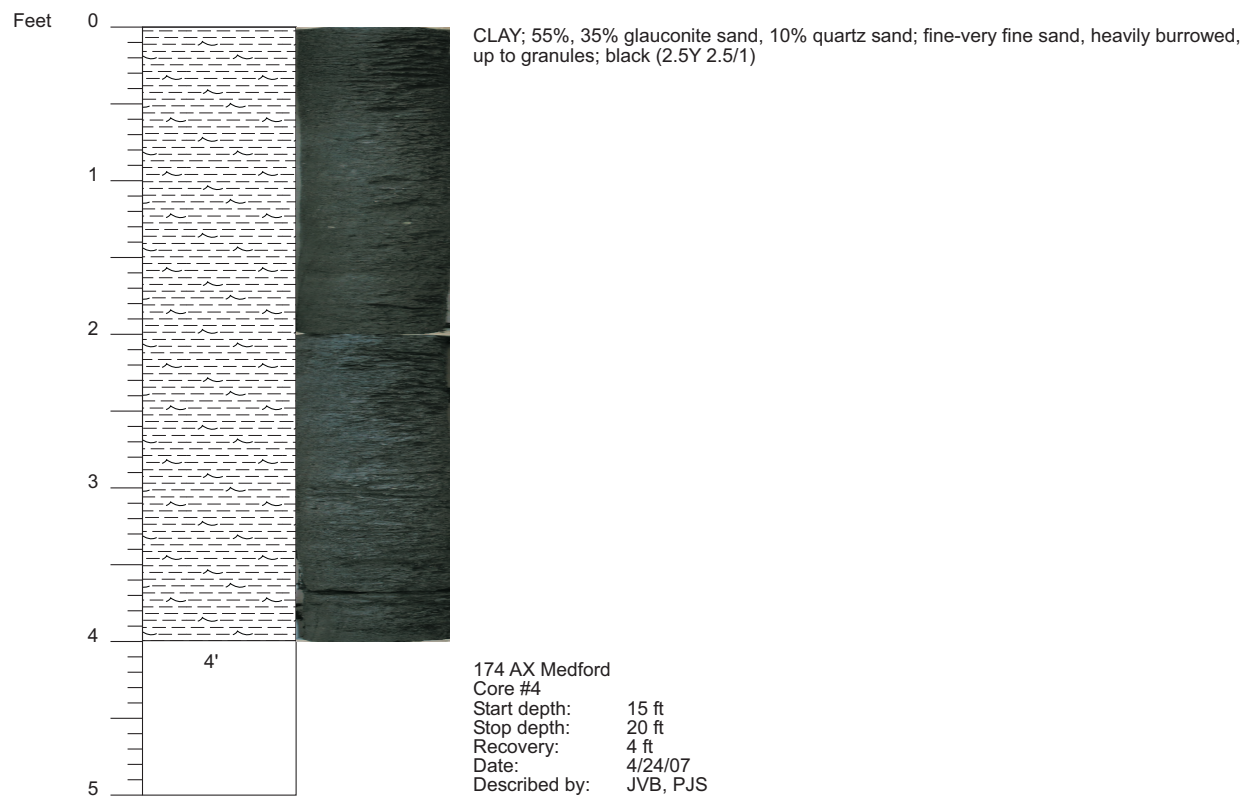
3



174 AX Medford
Core #3
Start depth: 10 ft
Stop depth: 15 ft
Recovery: 4.5 ft
Date: 4/24/07
Described by: JVB, PJS

CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

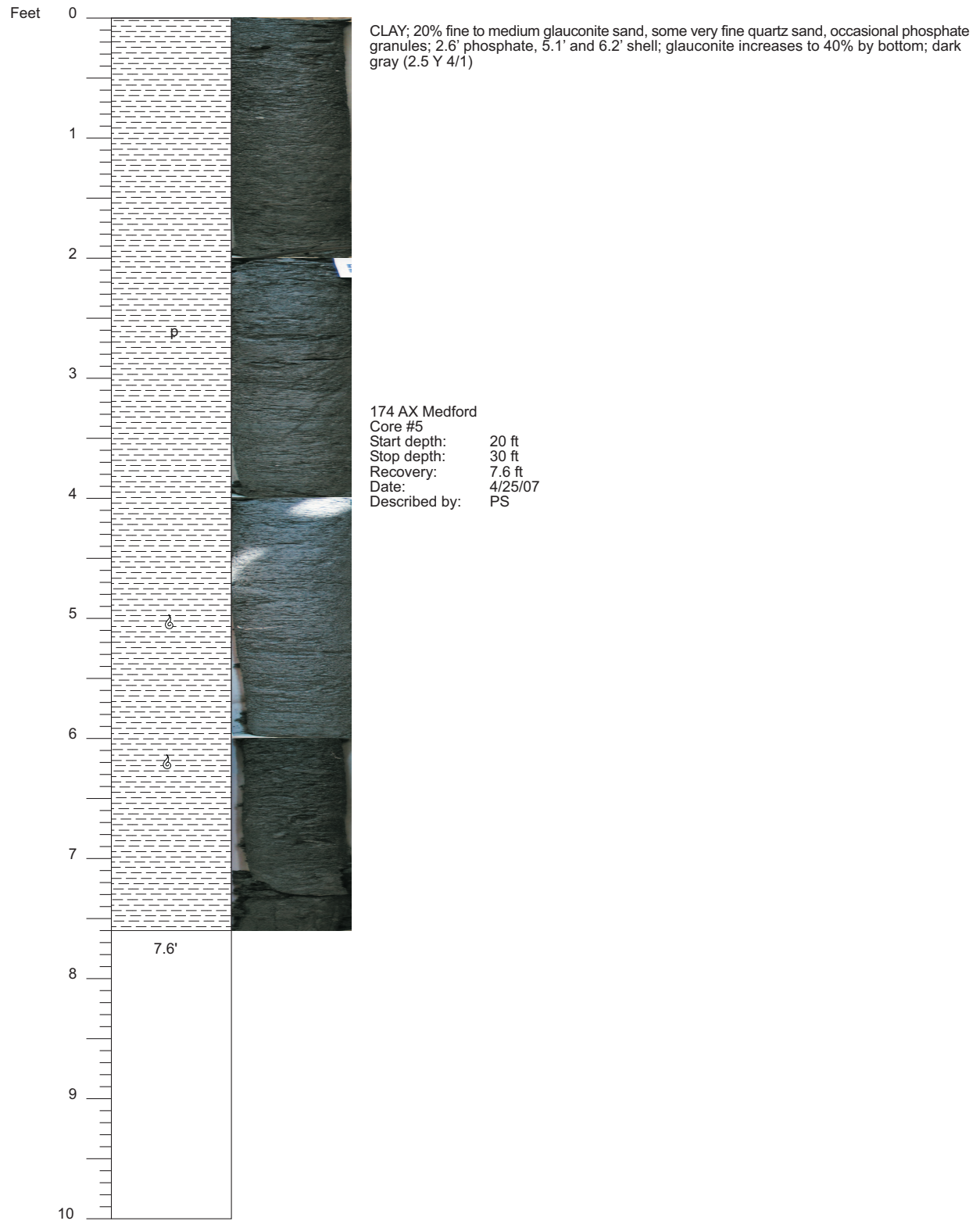
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

5



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

6

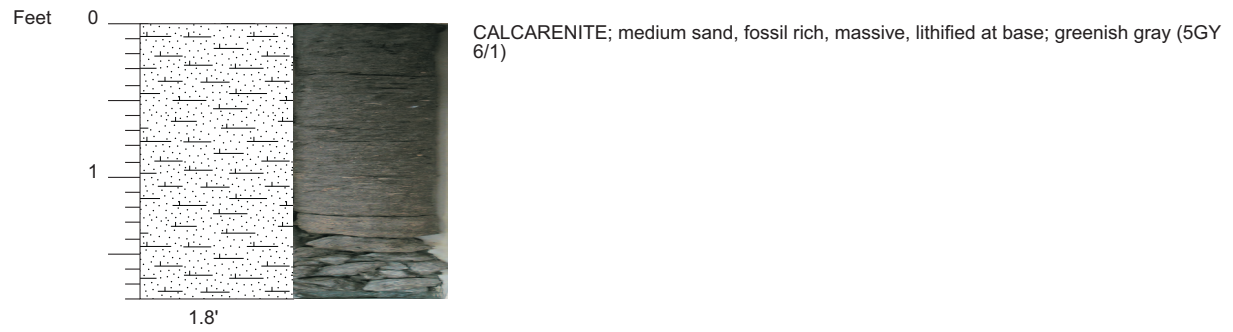


174 AX Medford
Core #6
Start depth: 30 ft
Stop depth: 32.5 ft
Recovery: 1.6 ft
Date: 4/25/07
Described by: PS

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

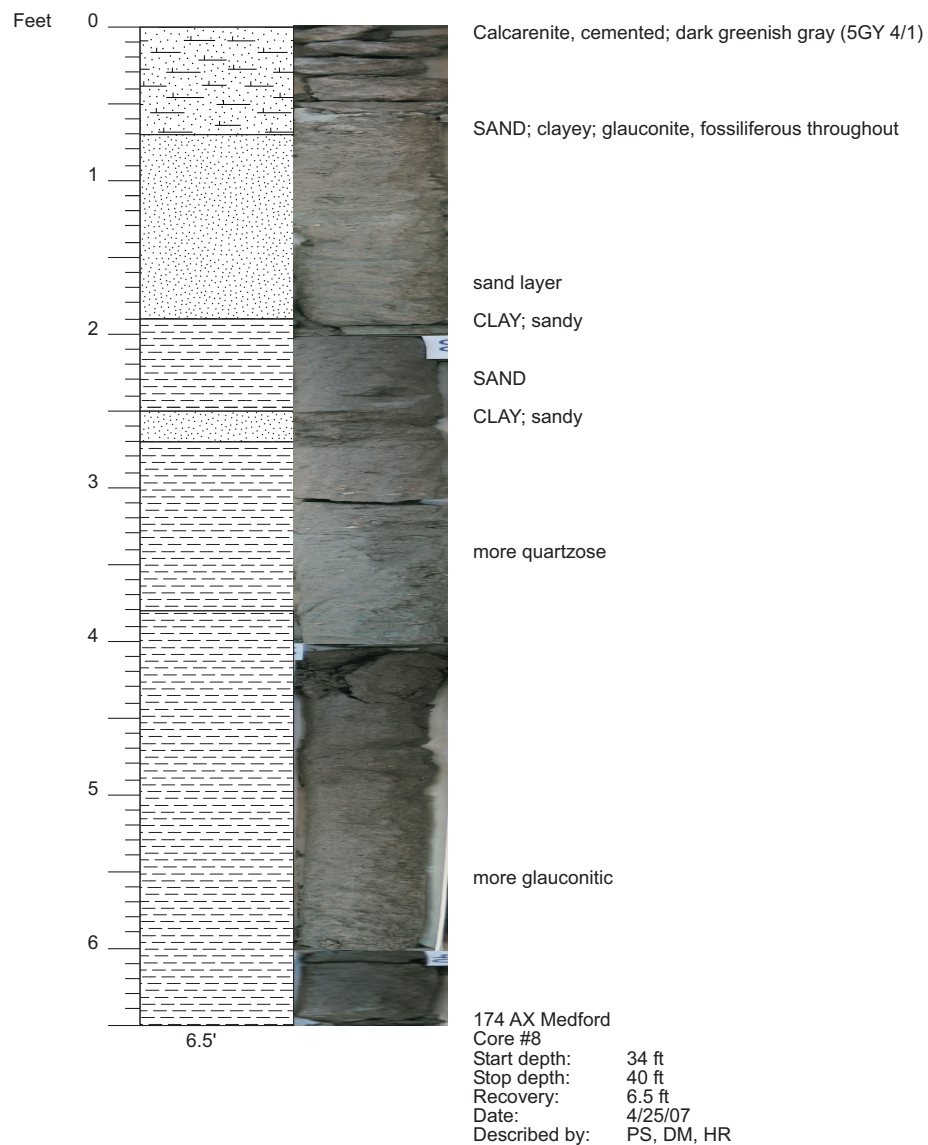
7



174 AX Medford
Core #7
Start depth: 32.5 ft
Stop depth: 34 ft
Recovery: 1.81 ft
Date: 4/25/07
Described by: PS, DM, HR

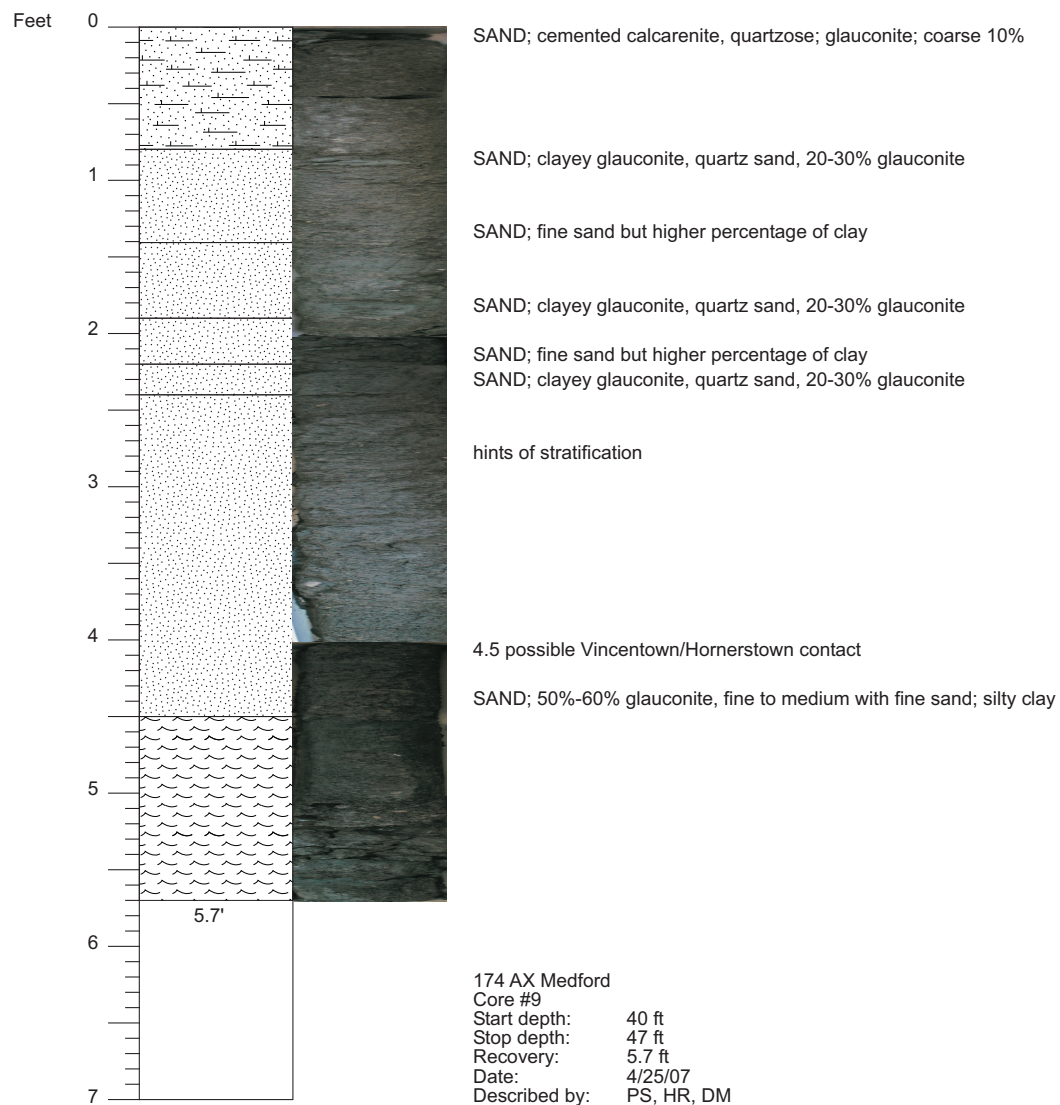
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

8



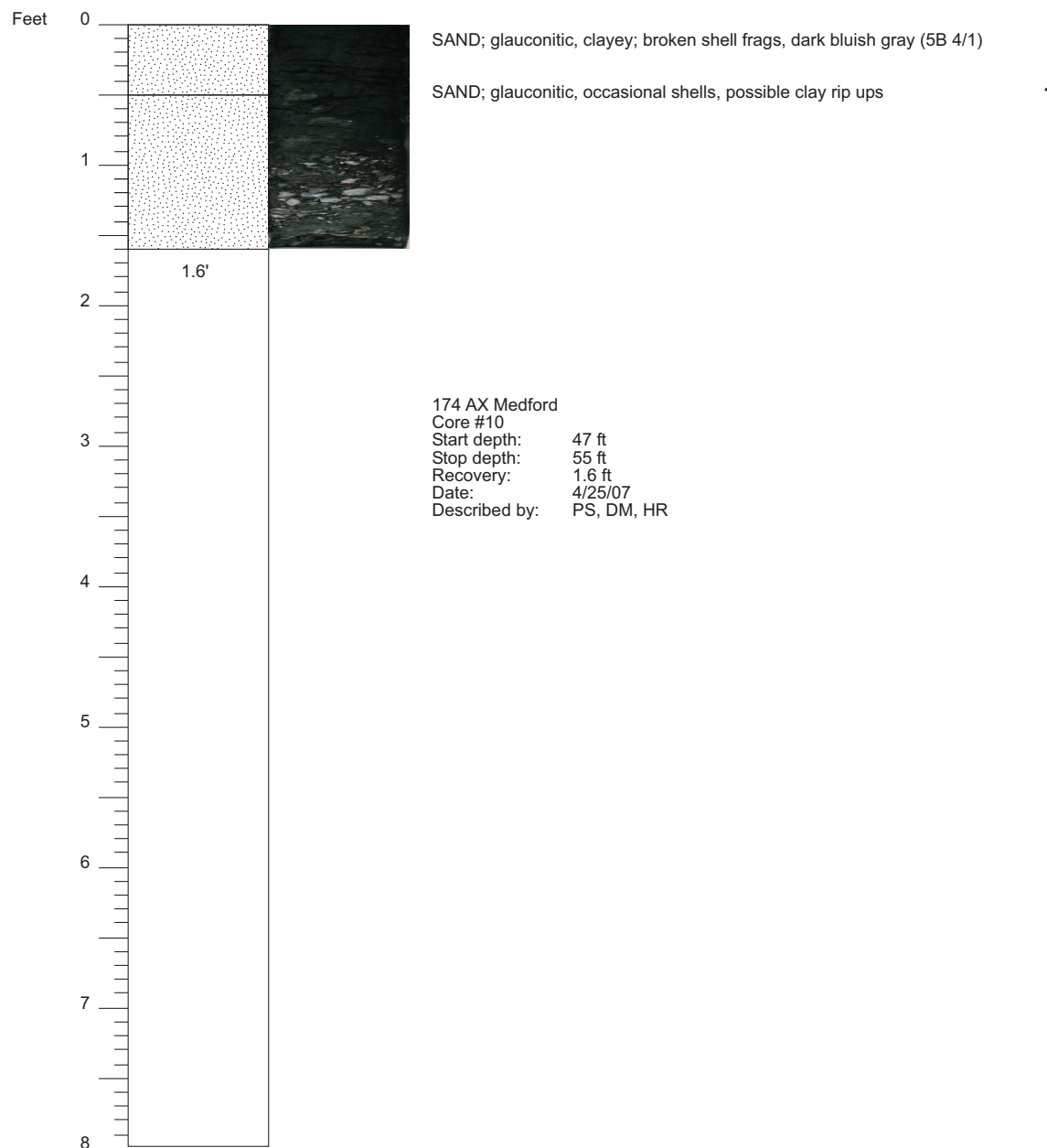
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

9



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

10



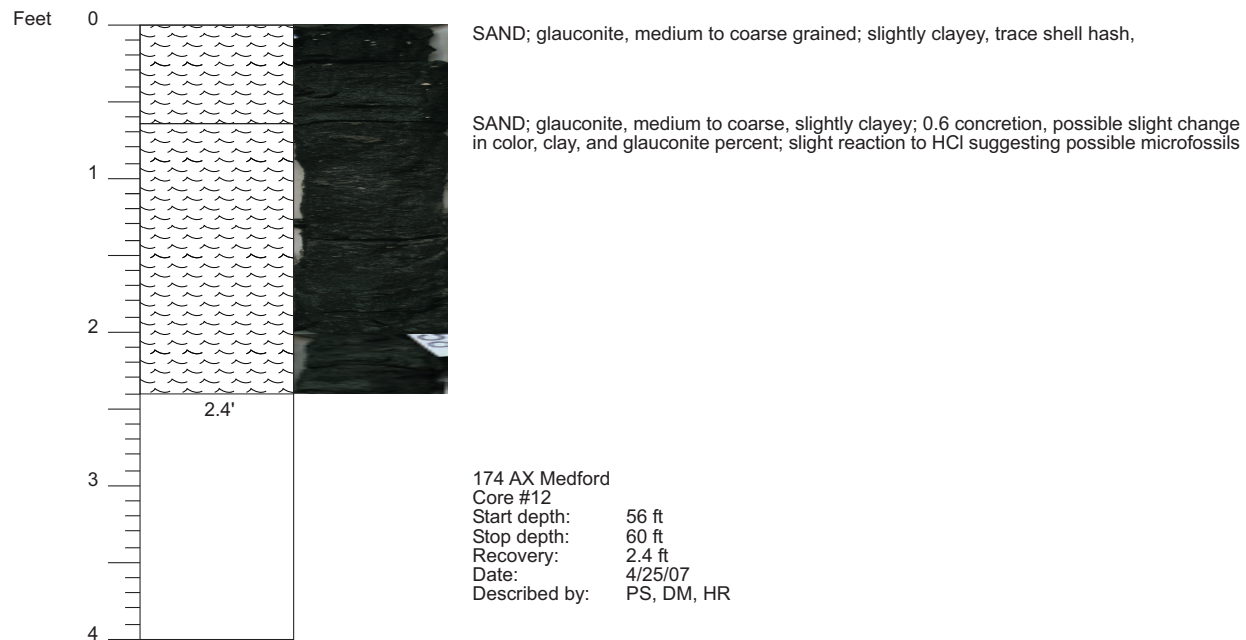
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

11



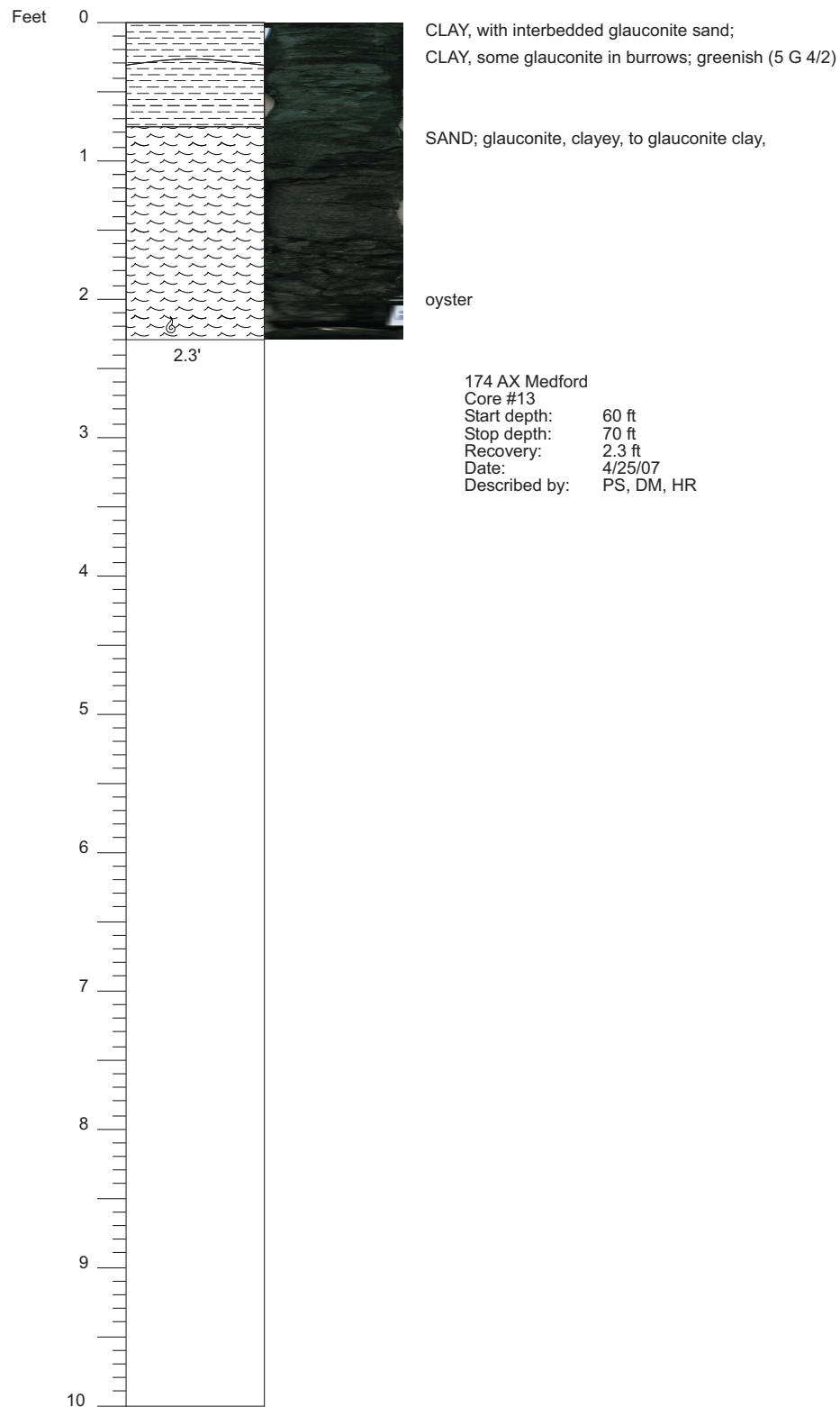
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

12



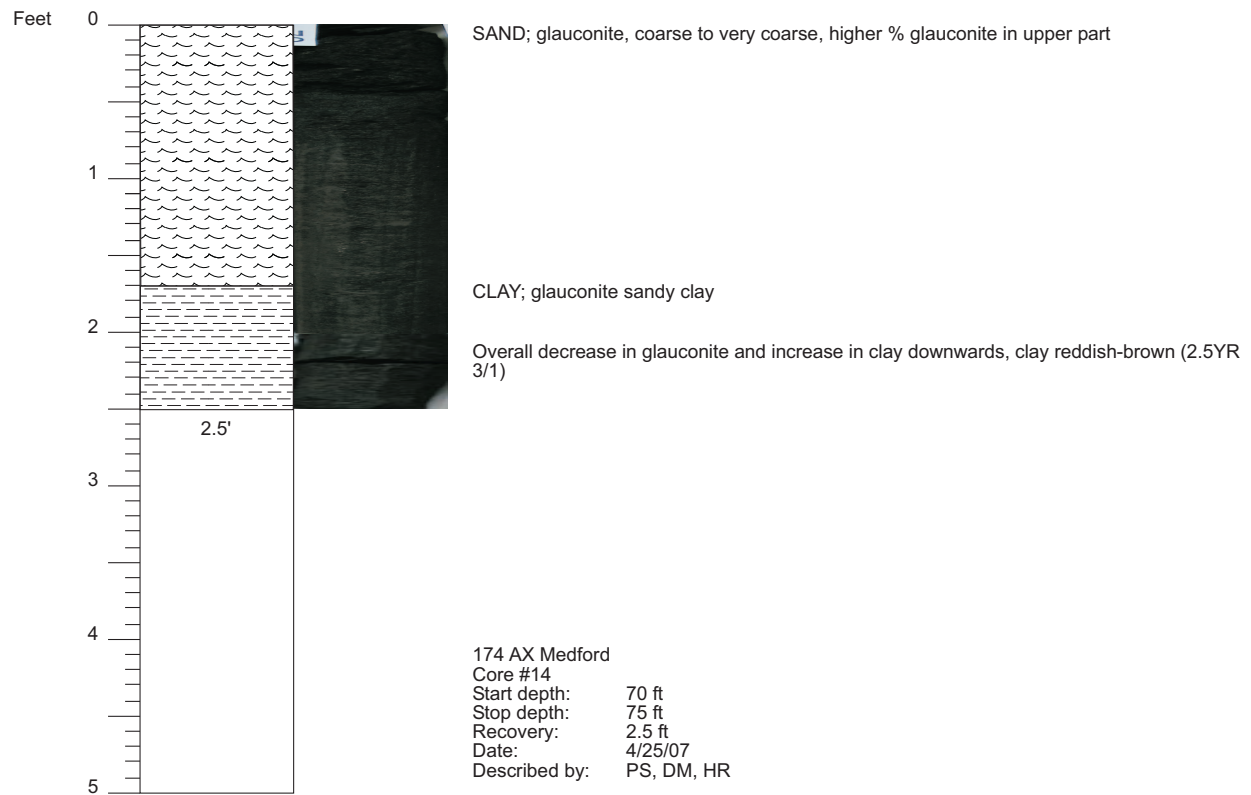
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

13



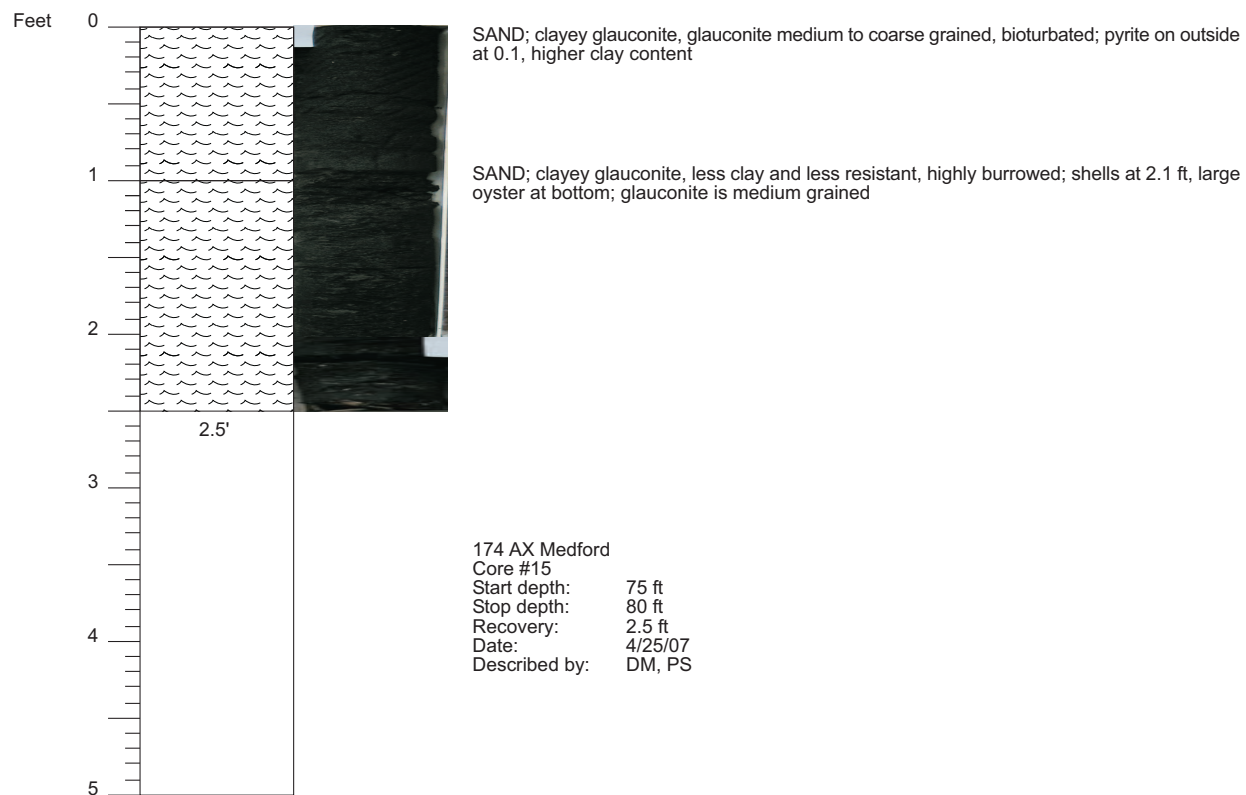
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

14



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

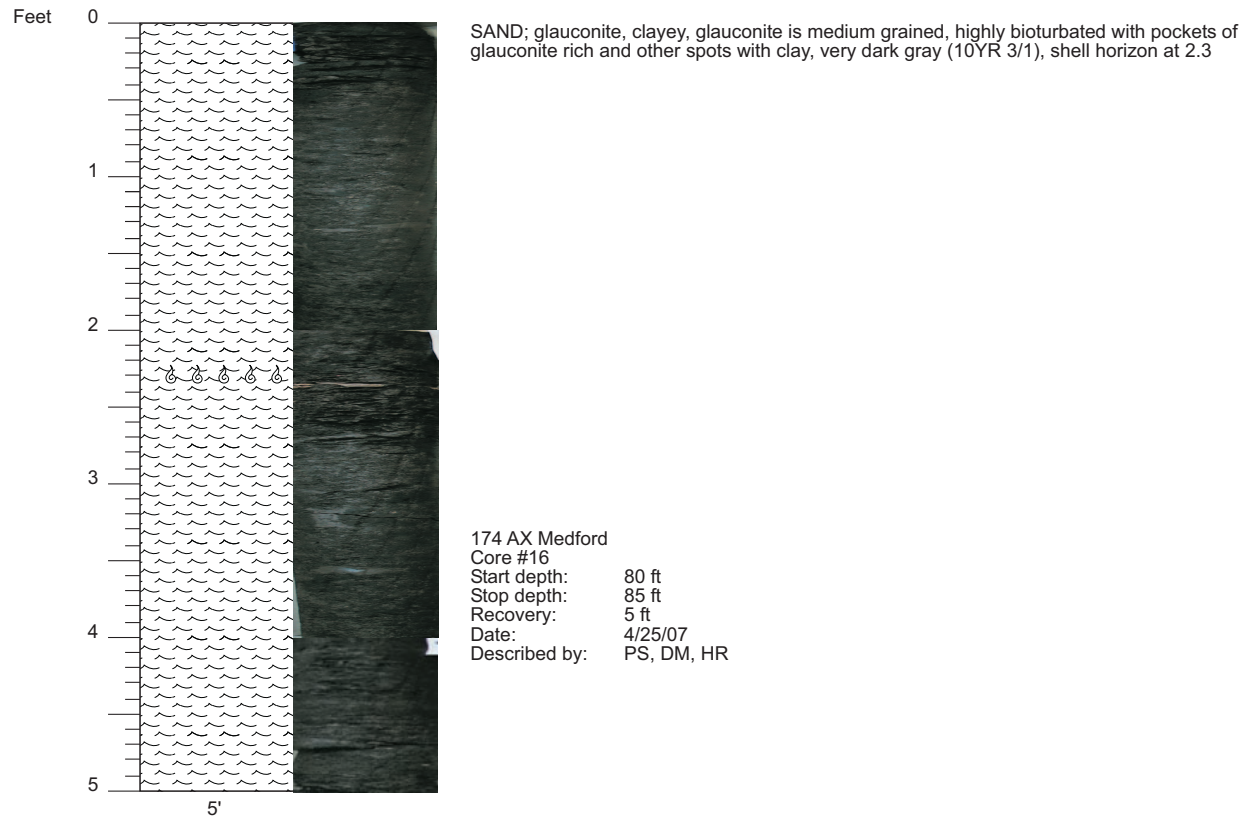
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

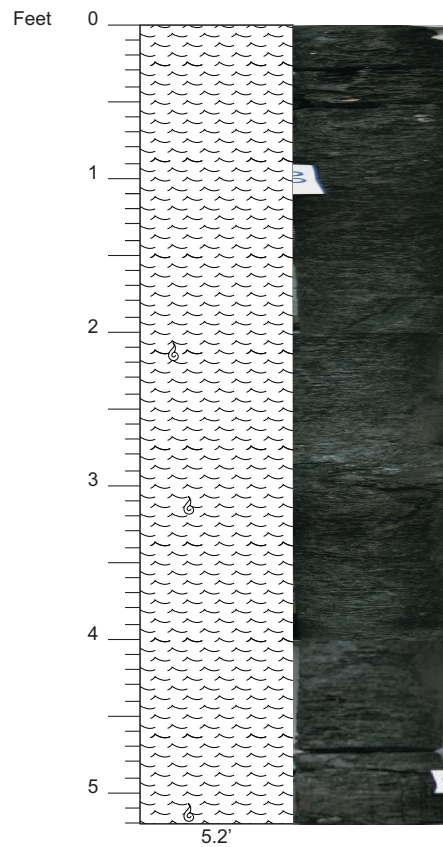
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

17

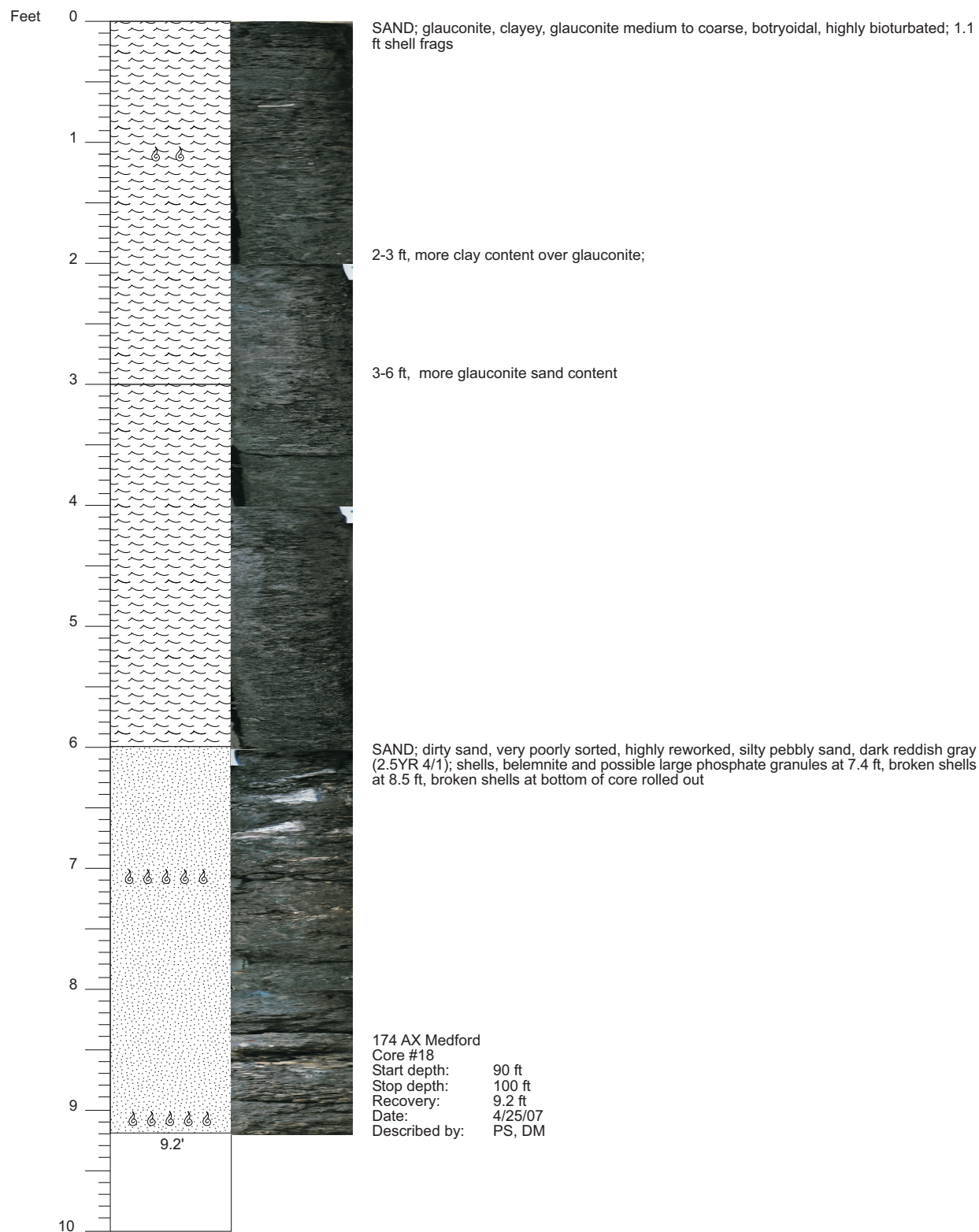


SAND; glauconite, clayey, pyrite, highly bioturbated, glauconite clay varies within core, medium to coarse grained; occasional shells at 2.1, 3.2 ft, and base

174 AX Medford
Core #17
Start depth: 85 ft
Stop depth: 90 ft
Recovery: 5.2 ft
Date: 4/25/07
Described by: DM, PS

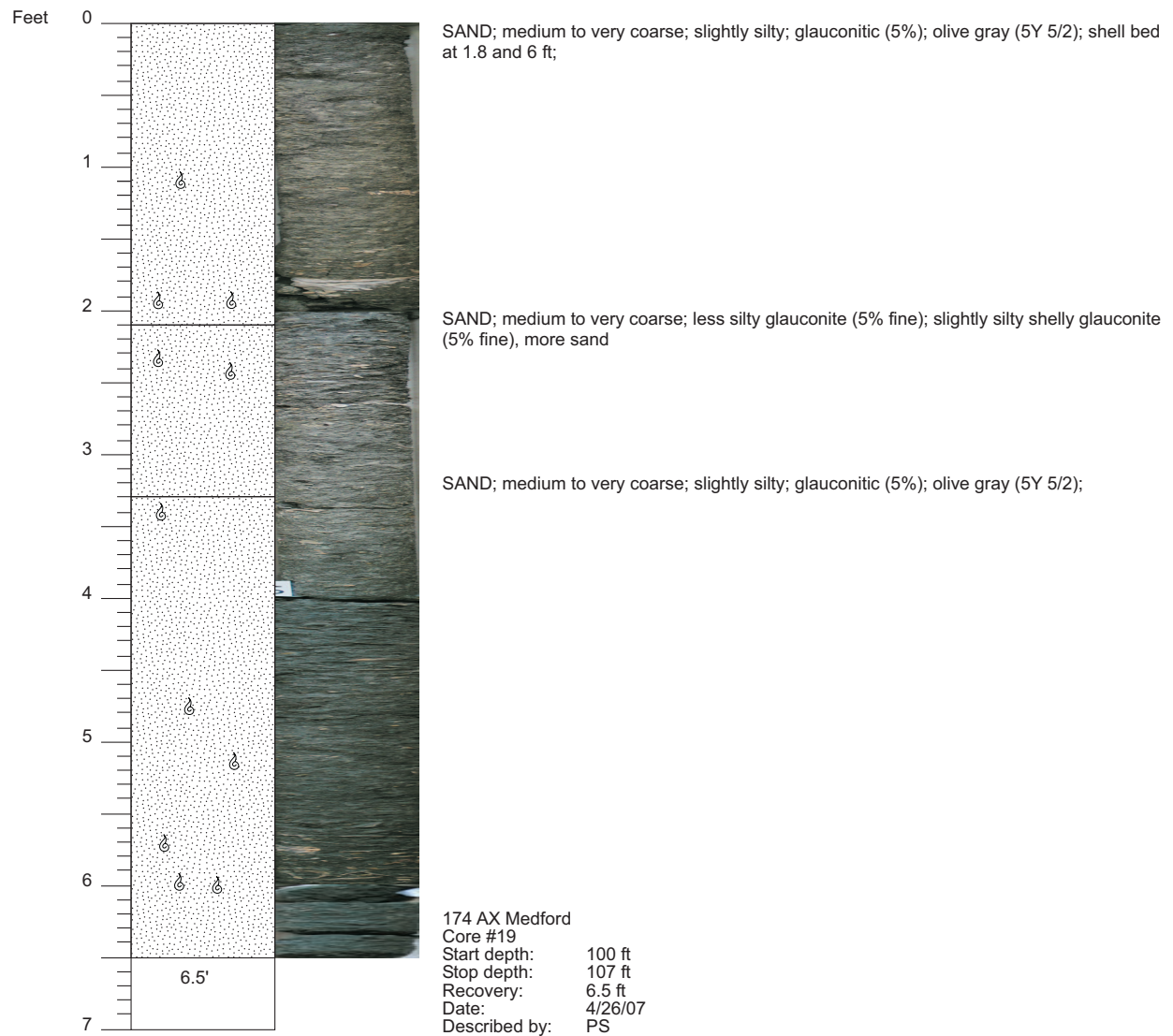
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

18



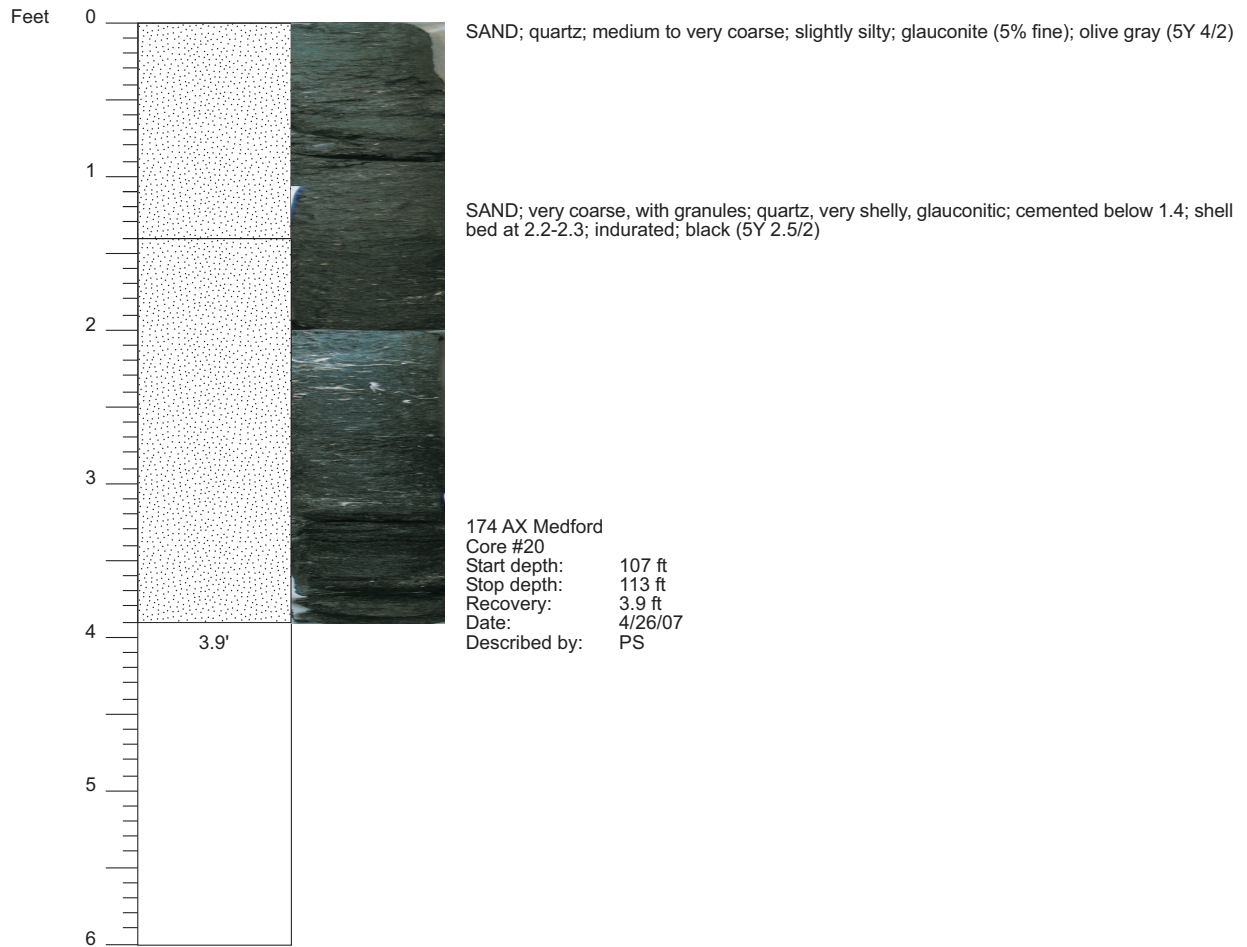
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

19



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

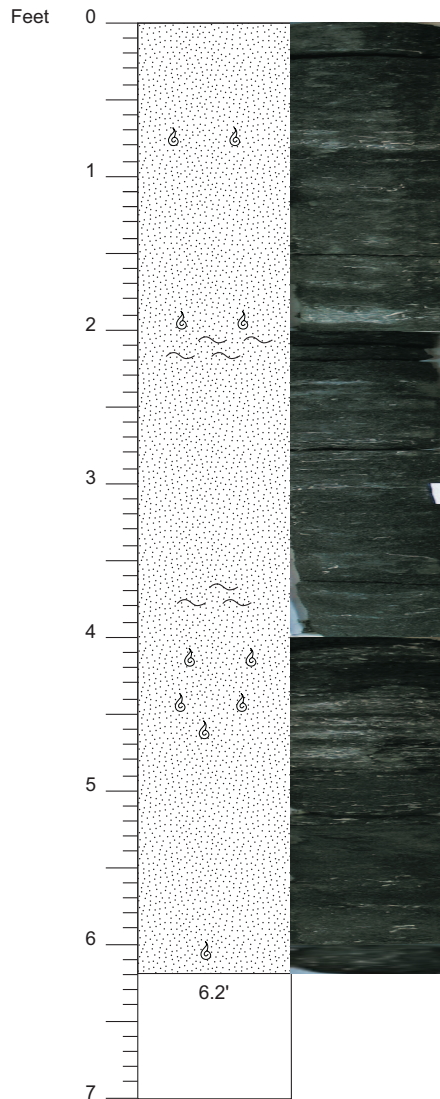
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

21

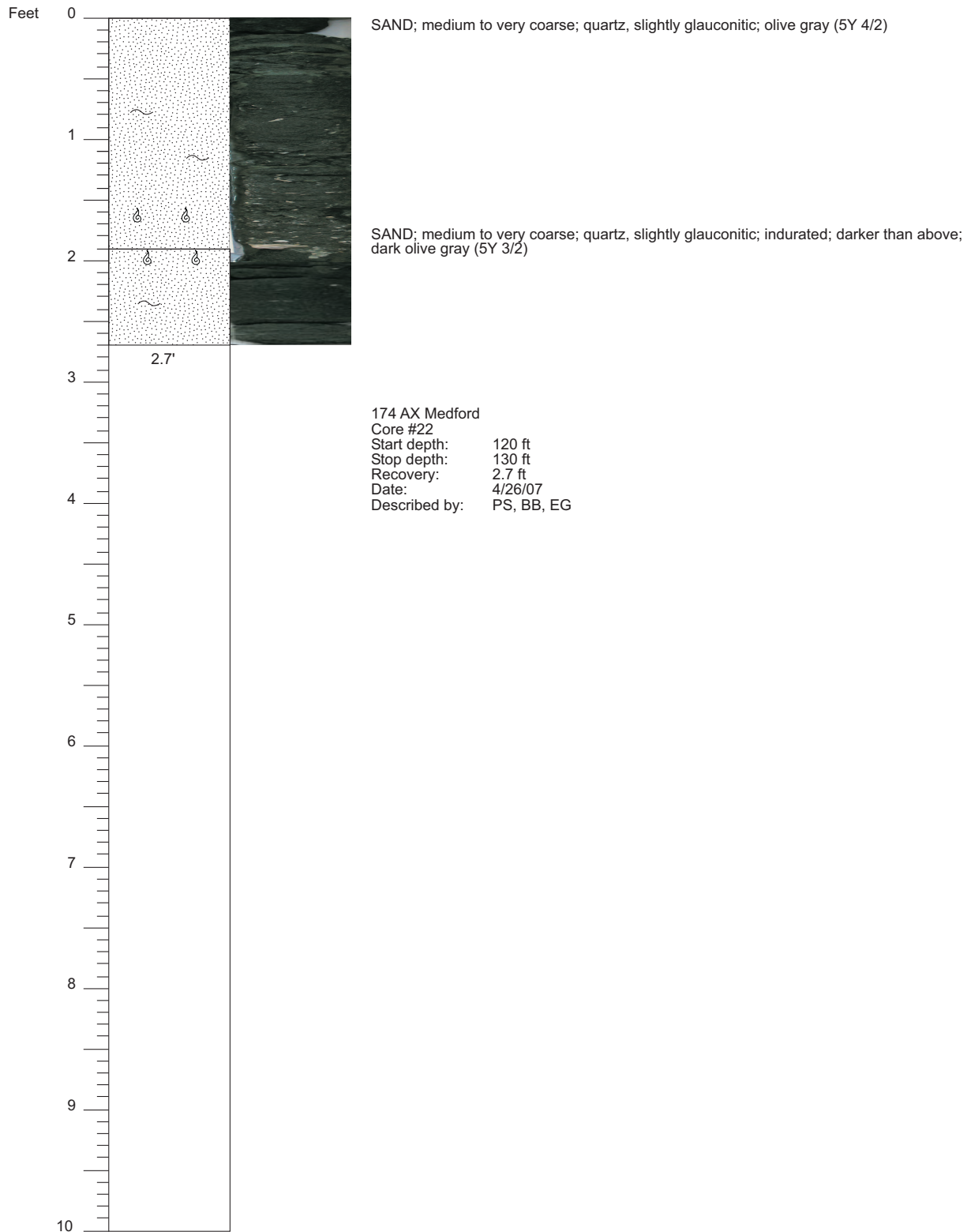


SAND; medium to very coarse, with granules; quartz, shelly, glauconitic (5-10%, but up to 20% in certain beds); 2.7-2.9 ft si slightly fossiliferous; 4-4.3 and 5.1-5.6 ft unconsolidated; (0-3.1 ft) Gley 1 greenish black (10GY 2.5/1), (3.1-4 ft) Gley 2 bluish-black (5B 2.5/1), (4.8-6.2 ft) Gley 1 greenish-black (10GY 2.5/1)

174 AX Medford
Core #21
Start depth: 113 ft
Stop depth: 120 ft
Recovery: 6.2 ft
Date: 4/26/07
Described by: PS, EG, BB

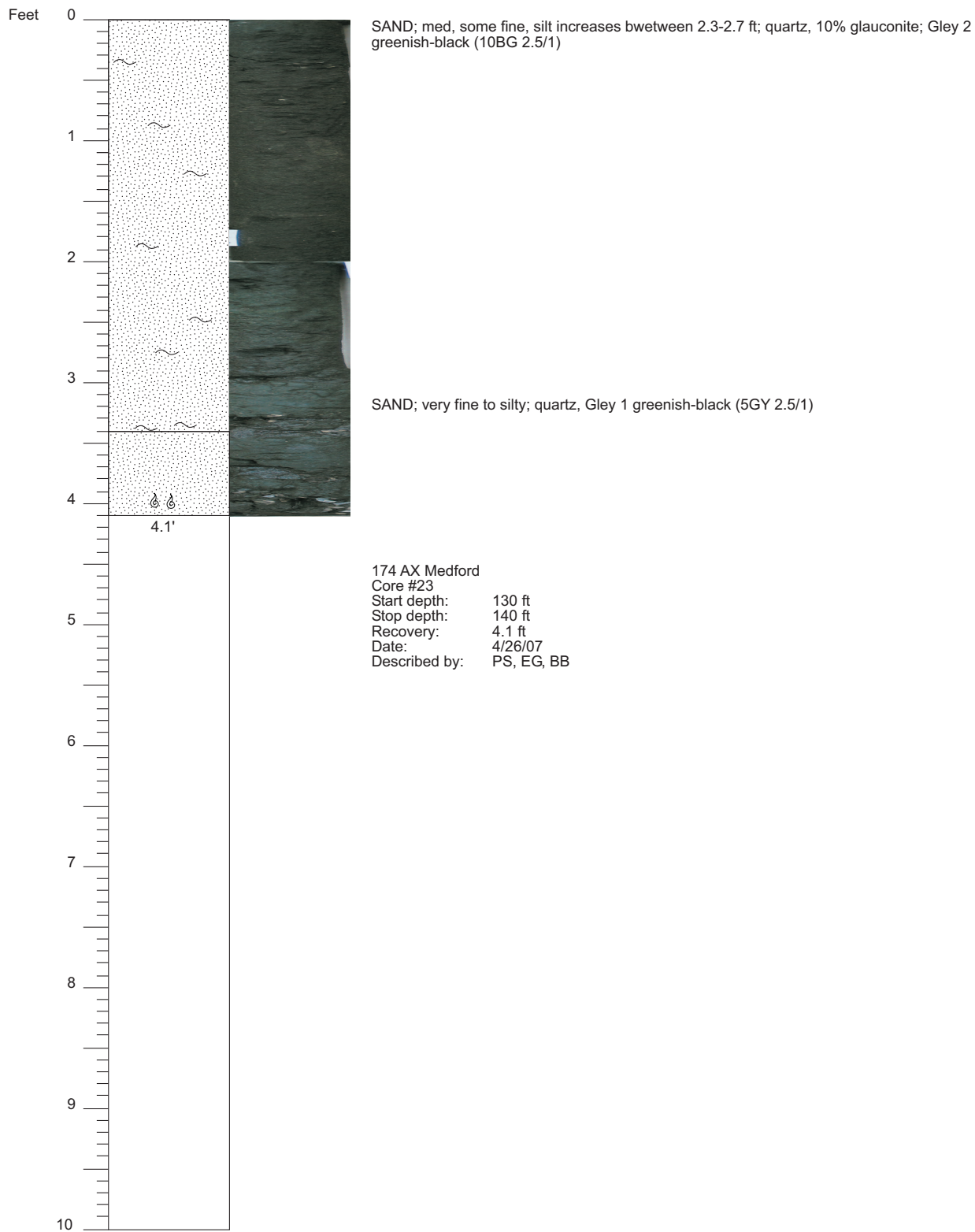
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

22



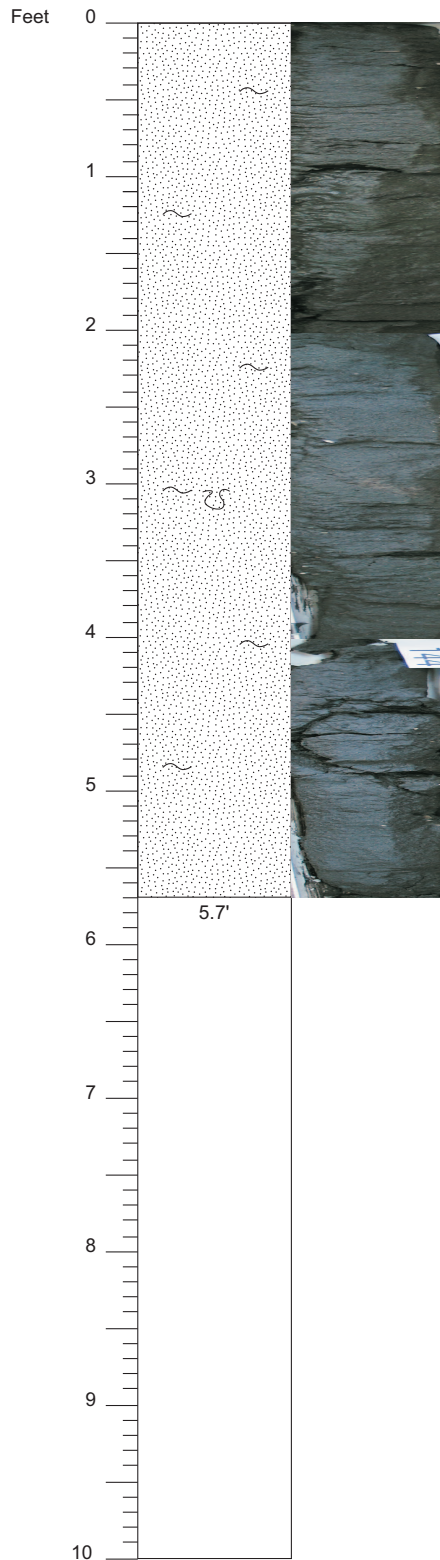
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

23



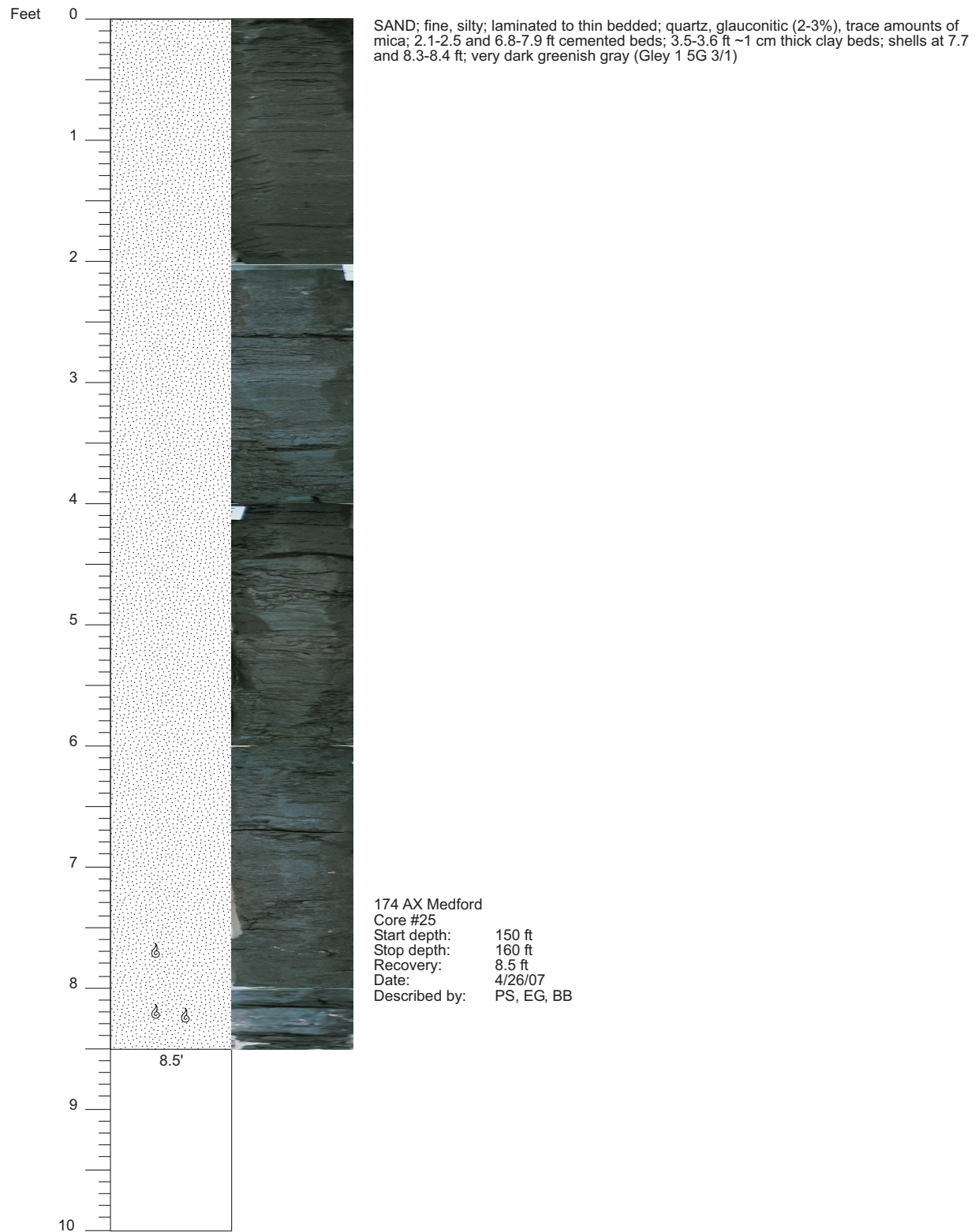
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

24



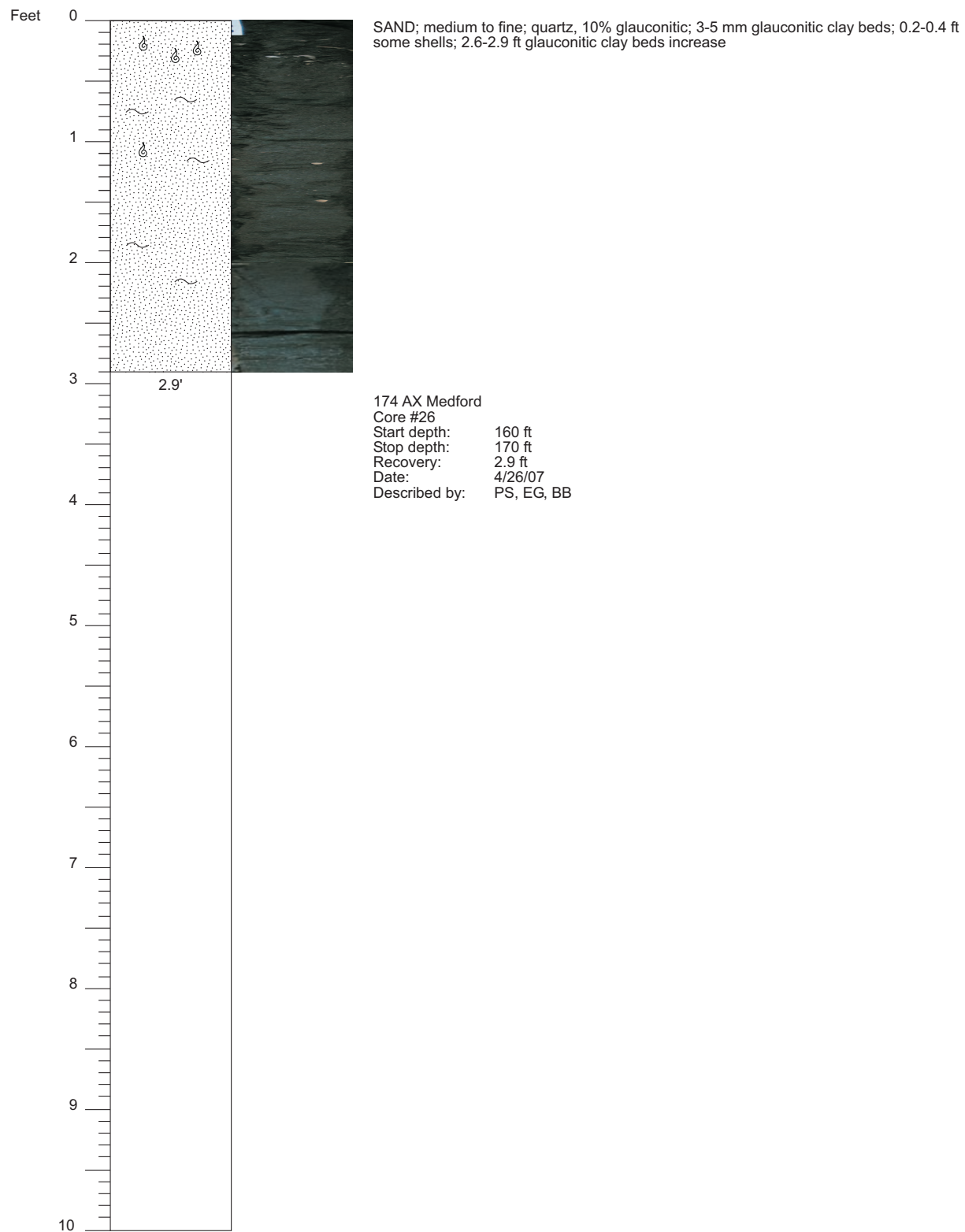
SAND; fine to medium; quartz, 2% glauconite, some clay blebs, slightly micaceous throughout, increases towards bottom; 3-3.1 ft sand filled burrow; very dark greenish gray (Gley 1 10GY 3/1)

174 AX Medford
 Core #24
 Start depth: 140 ft
 Stop depth: 150 ft
 Recovery: 5.7 ft
 Date: 4/26/07
 Described by: PS, EG, BB



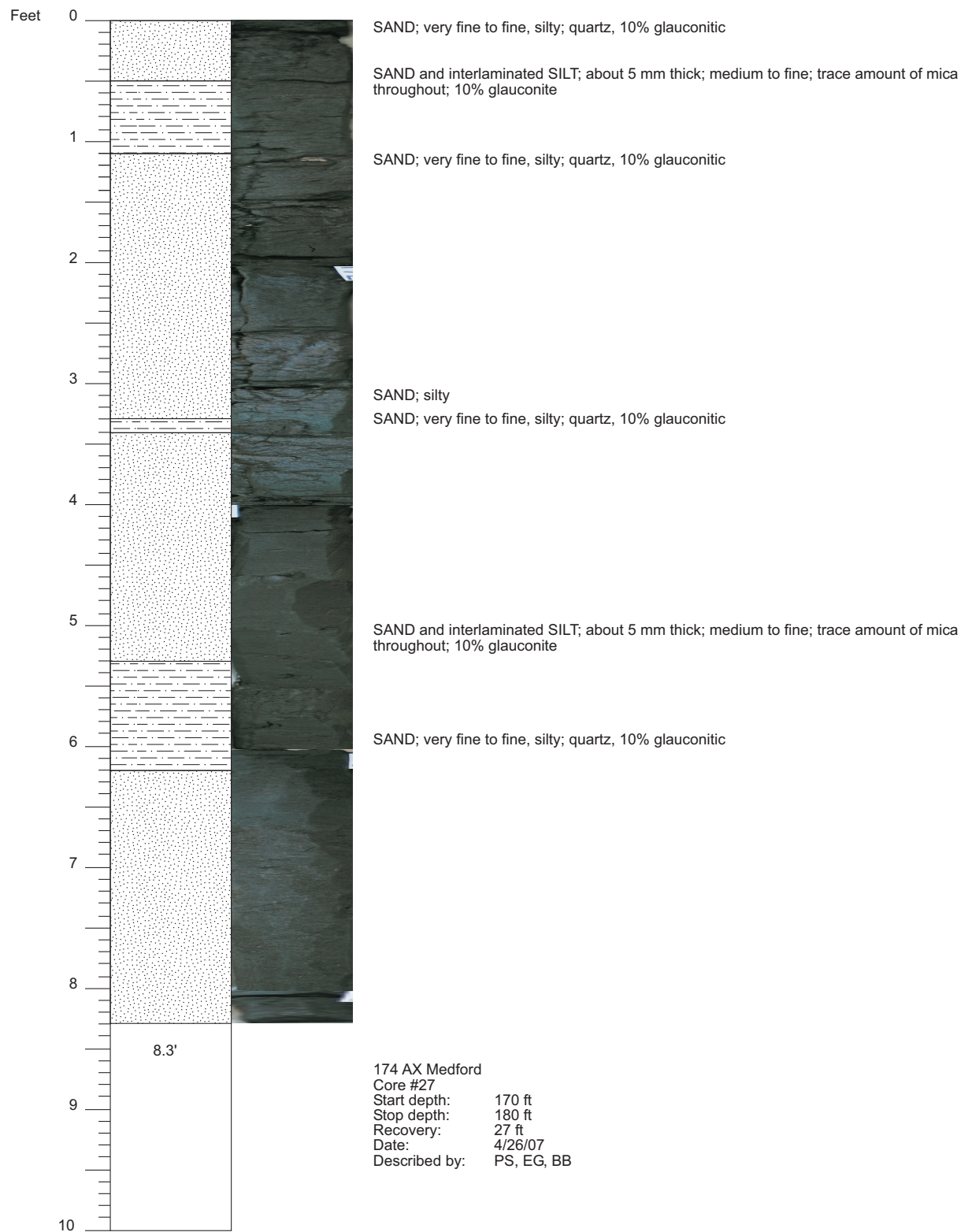
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

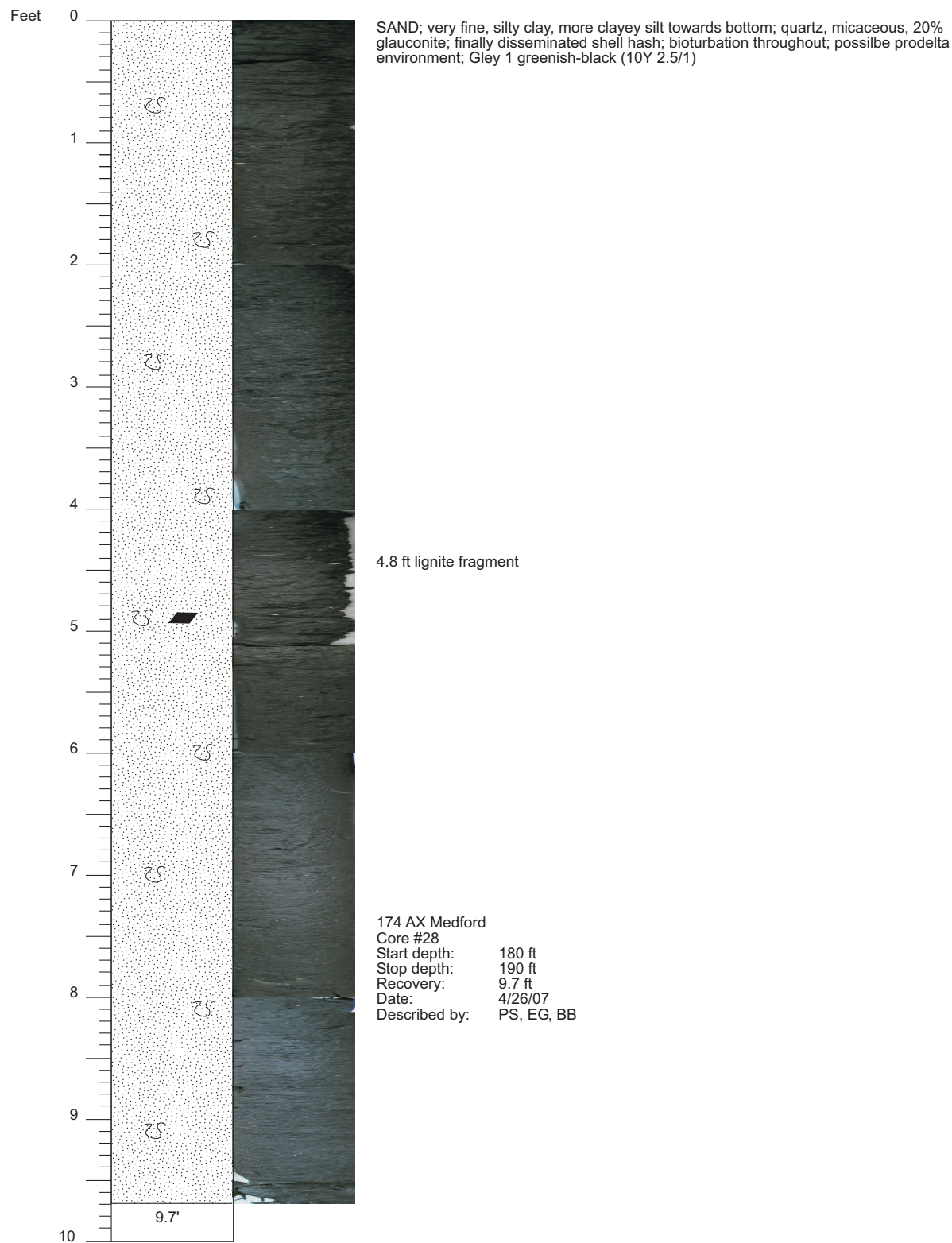
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CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

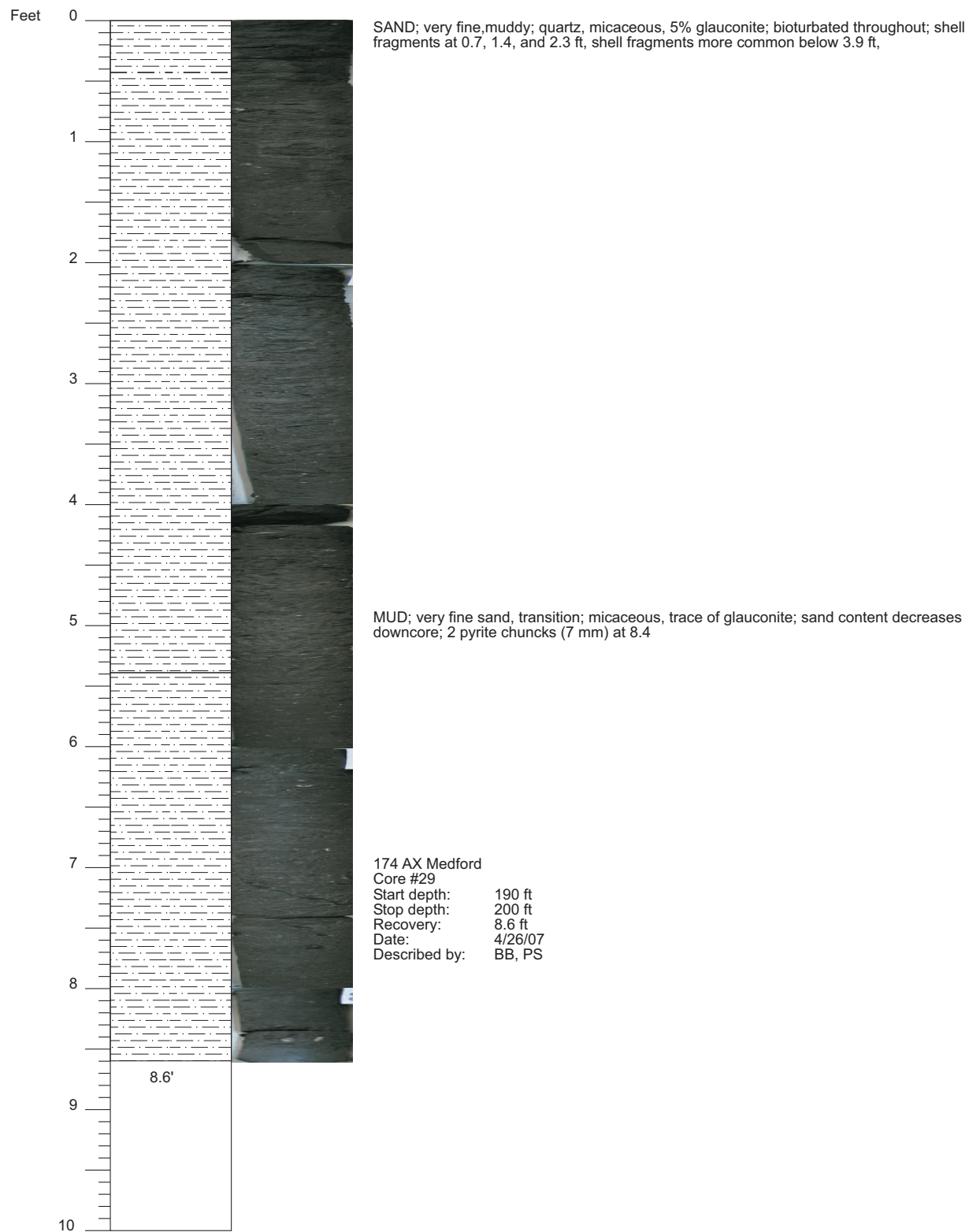
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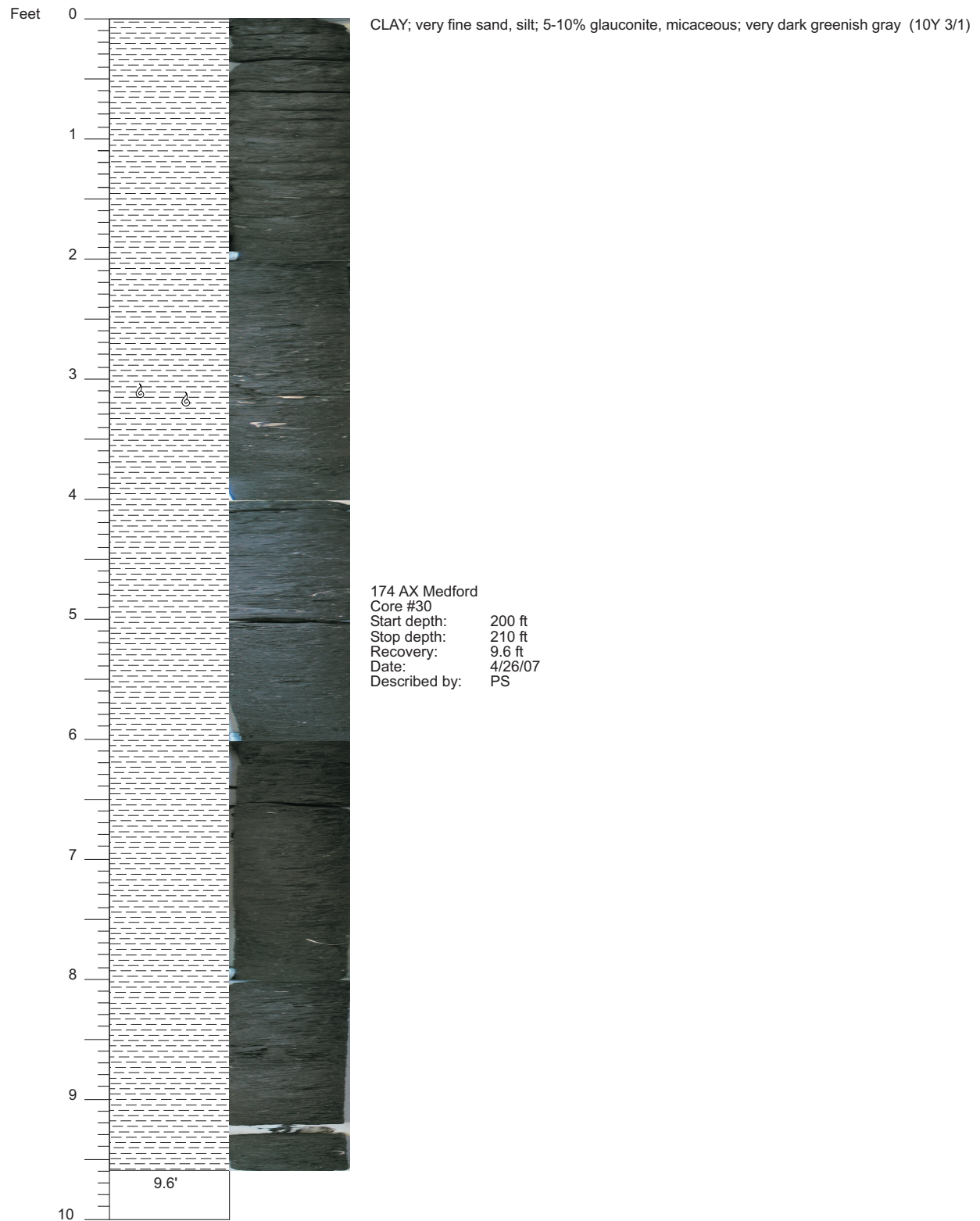
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

29



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

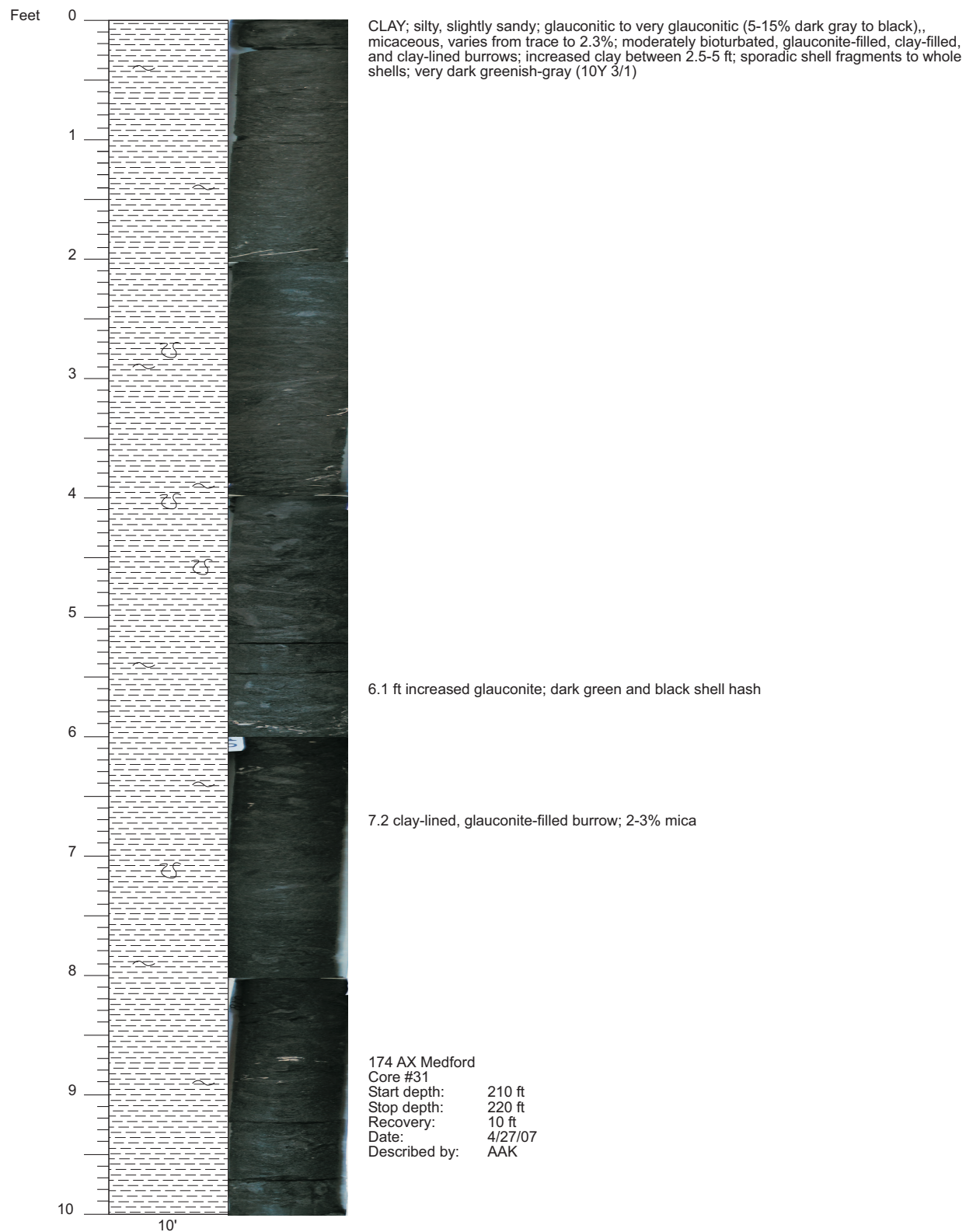
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

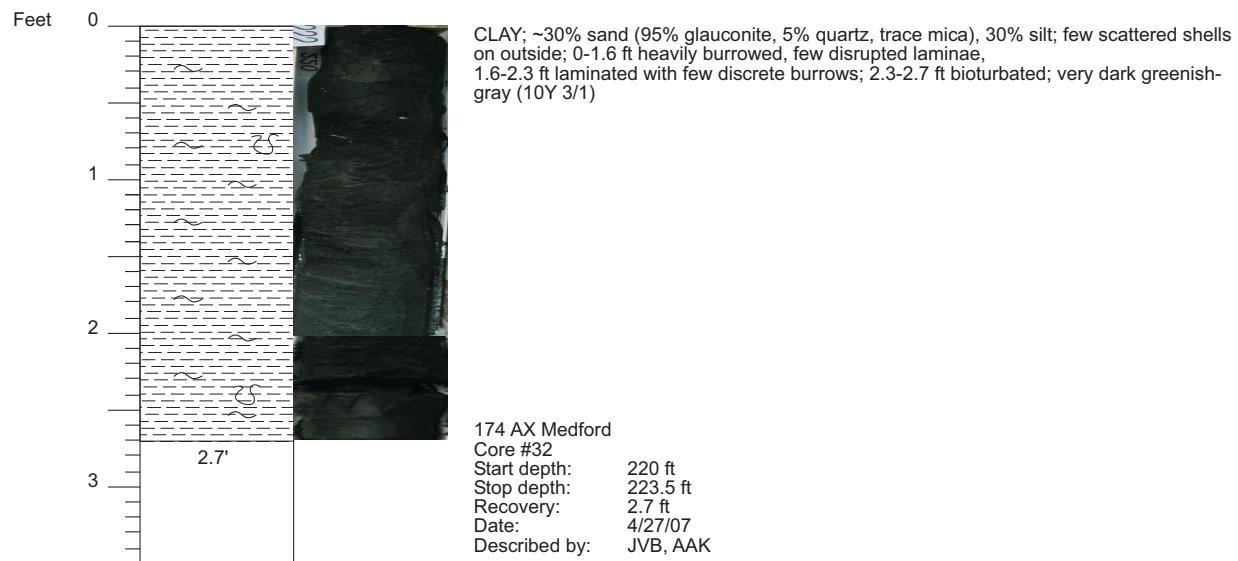
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

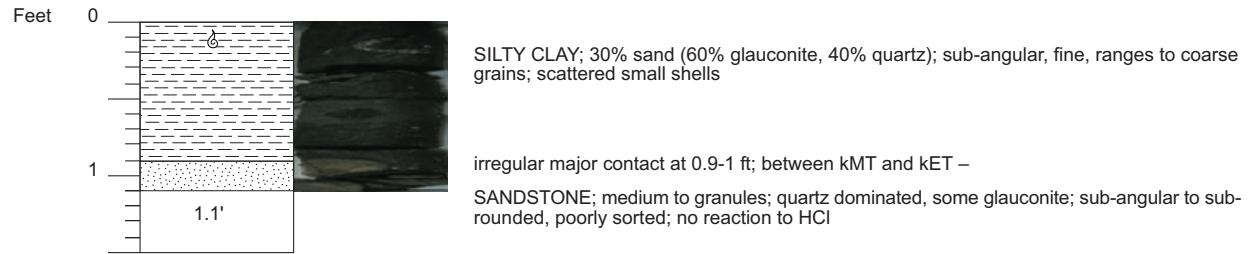
32



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

33



174 AX Medford

Core #33

Start depth: 223.5 ft

Stop depth: 225 ft

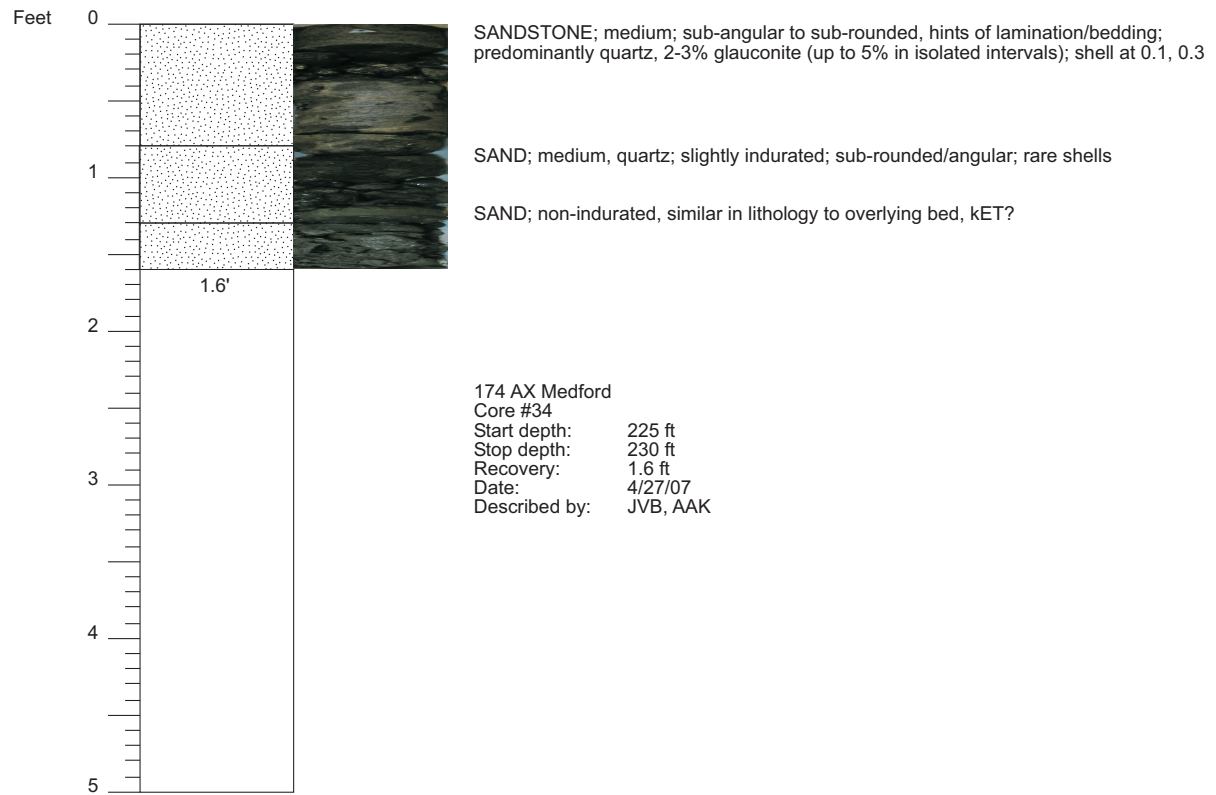
Recovery: 1.1 ft

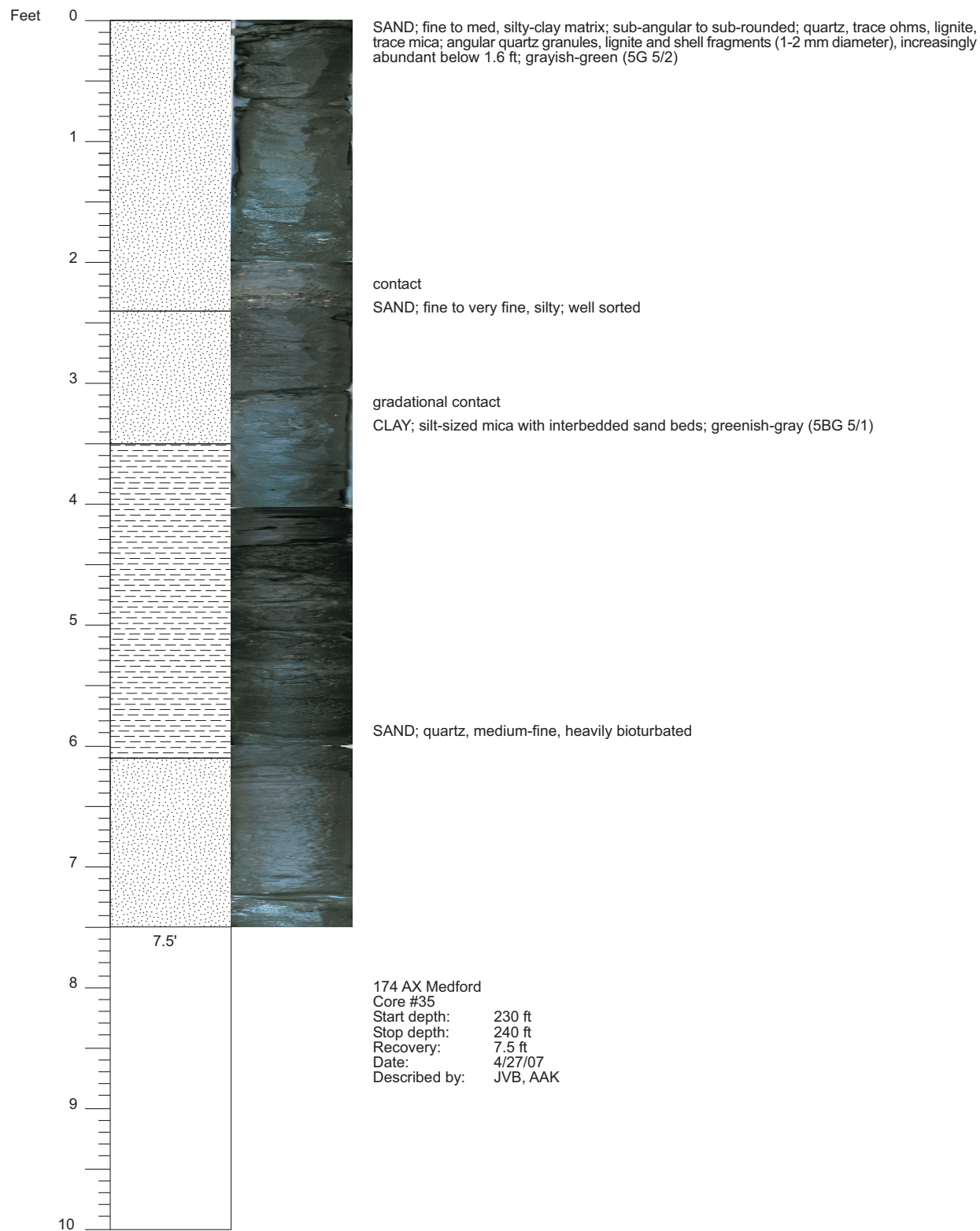
Date: 4/27/07

Described by: AAK, JVB

CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

34

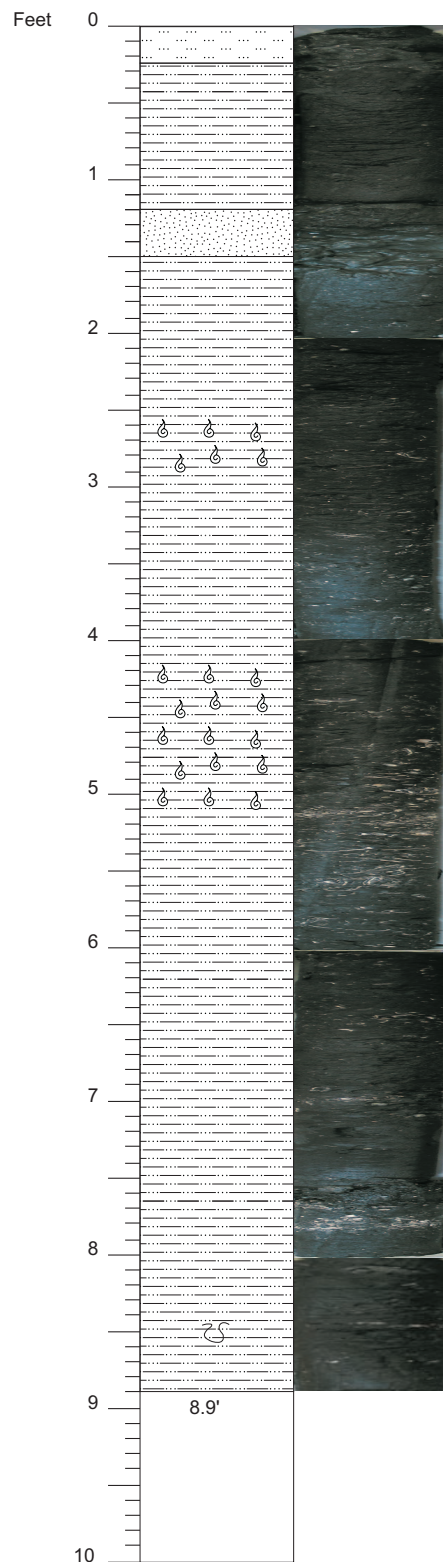




CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

36



SILT; clayey; sandier than below, possible contact at 0.3

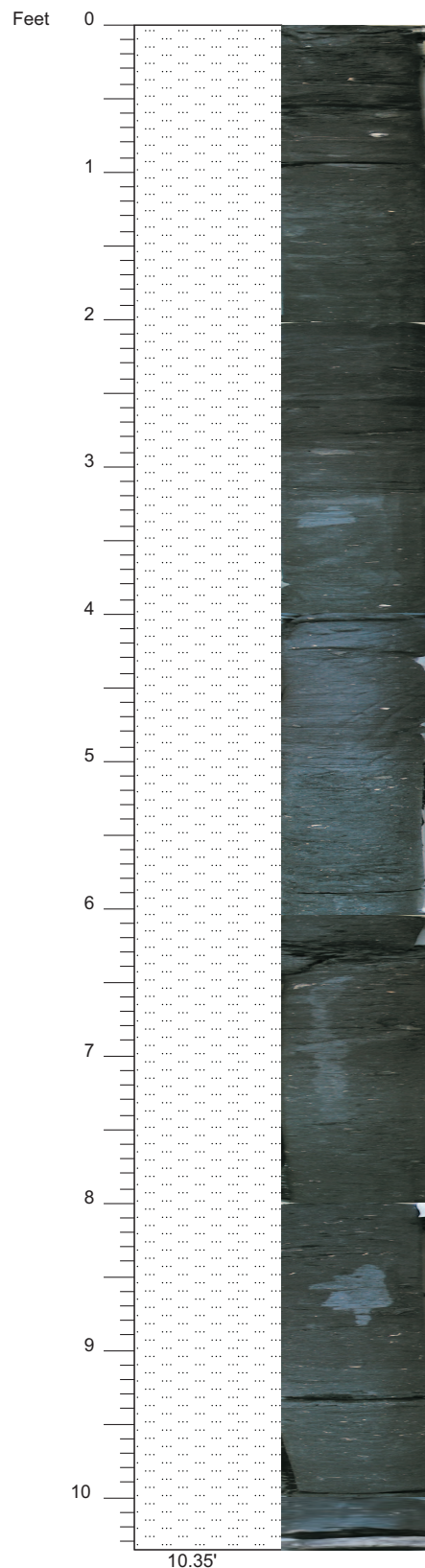
SILT; clayey; slightly sandy (fine to very fine), micaceous, chlorite visible, pyrite/pyritized burrow, trace lignite; 1.2-1.5 ft washed out sandier interval; 1.5-4 ft slightly laminated, 2.5-2.9 ft shells increase in abundance; 4-5.3 ft very shelly with thin, whole/fragments bivalves, gastropods(?), scaphopods, nested beds, possible storm influence; 8.3-8.4 ft pyritized burrows; very dark gray (N3/)

174 AX Medford
Core #36
Start depth: 240 ft
Stop depth: 250 ft
Recovery: 8.9 ft
Date: 4/27/07
Described by: JVB, AAK

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

37



SILT; clayey, very fine sand (1-2%); slightly micaceous, discrete shells, small shell fragments scattered throughout; occasional pyrite, lignite; 3.5 and 5.5ft pyrite nodules; alternating laminated and bioturbated intervals (top 4 ft laminated, rest bioturbated); very dark gray N3/

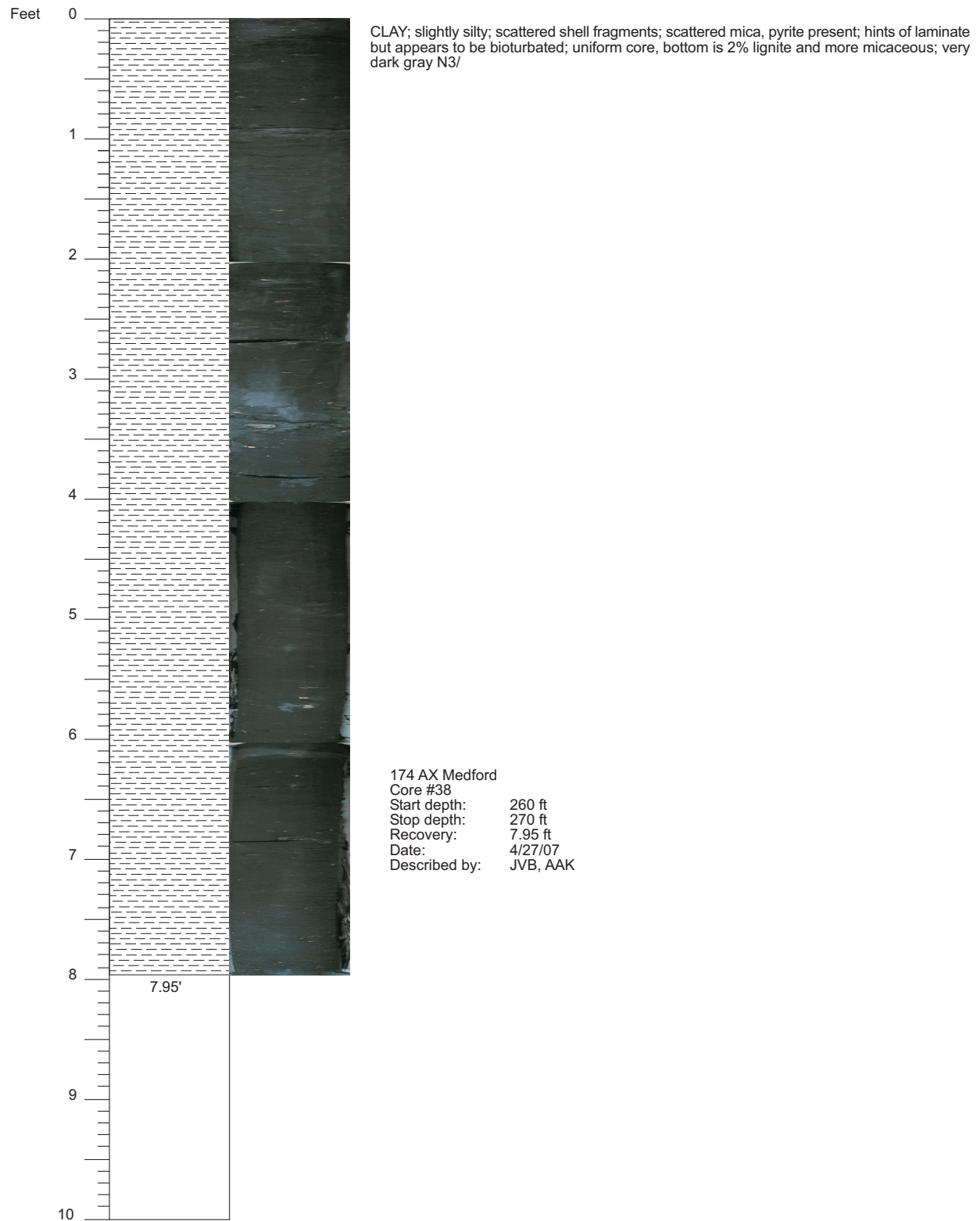
174 AX Medford
Core #37
Start depth: 250 ft
Stop depth: 260 ft
Recovery: 10.35 ft
Date: 4/27/07
Described by: AAK, JVB

White to light gray clay clast at base; no reaction with HCl (kaolinitic clay?)

CORE DESCRIPTIONS

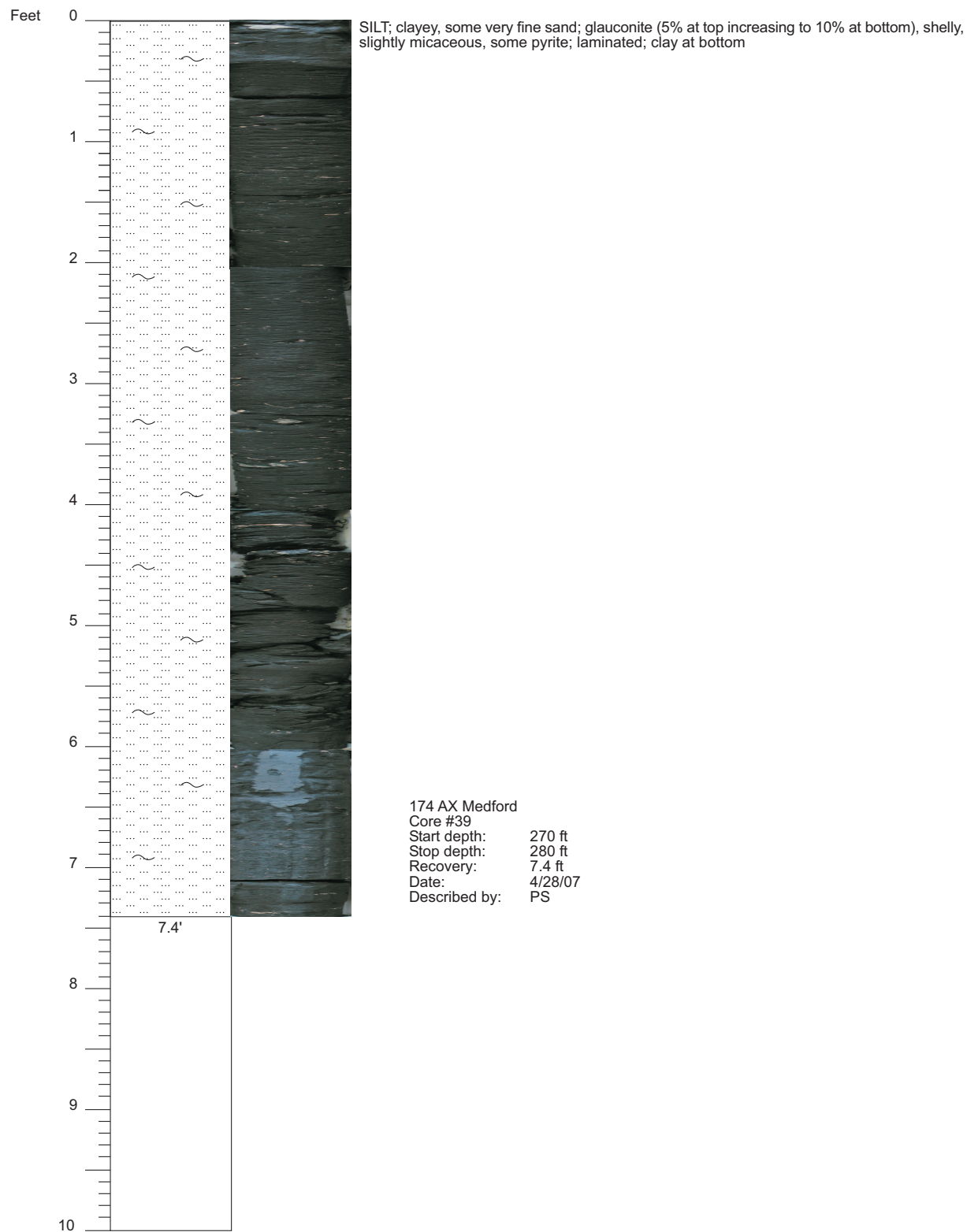
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

38



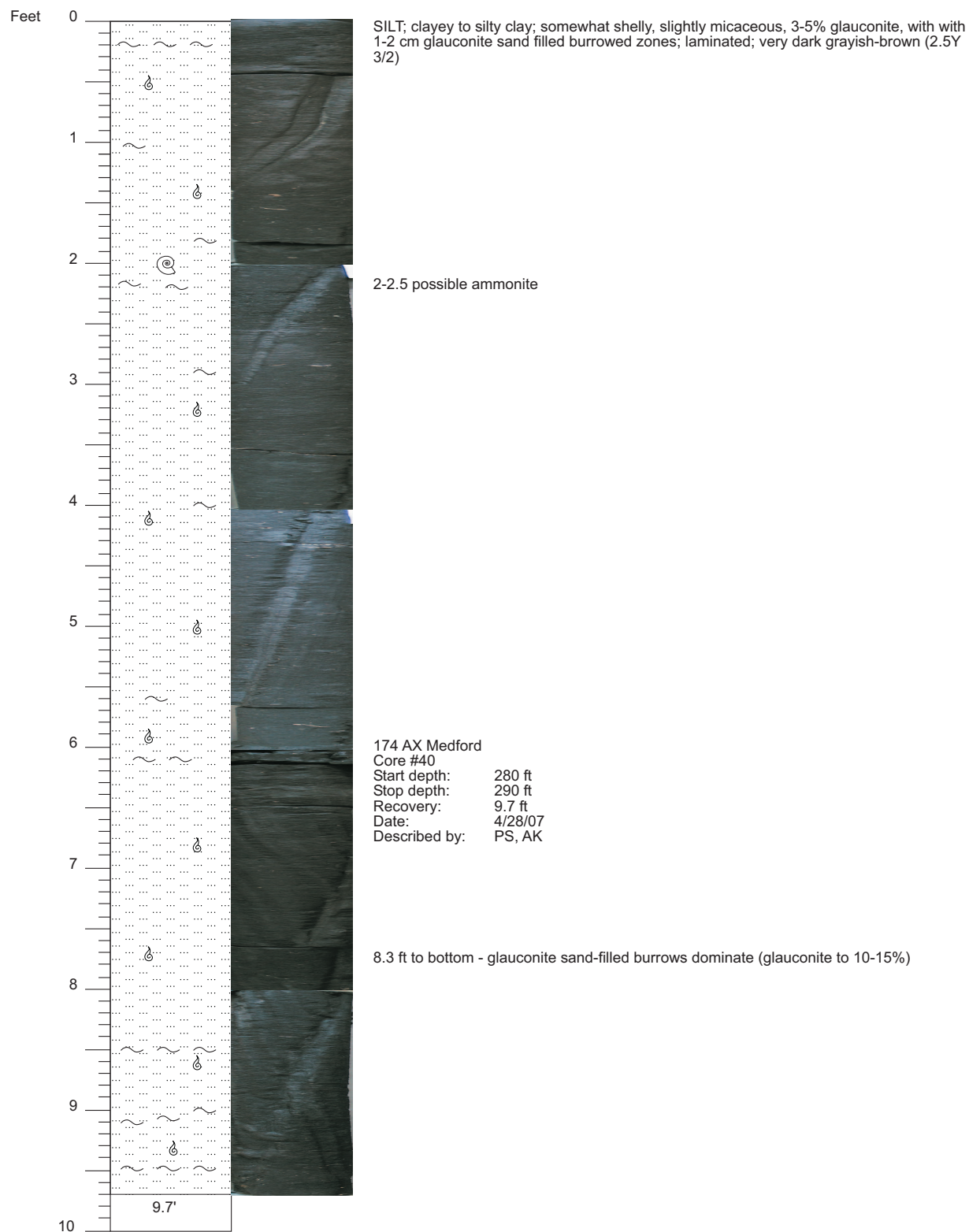
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

39



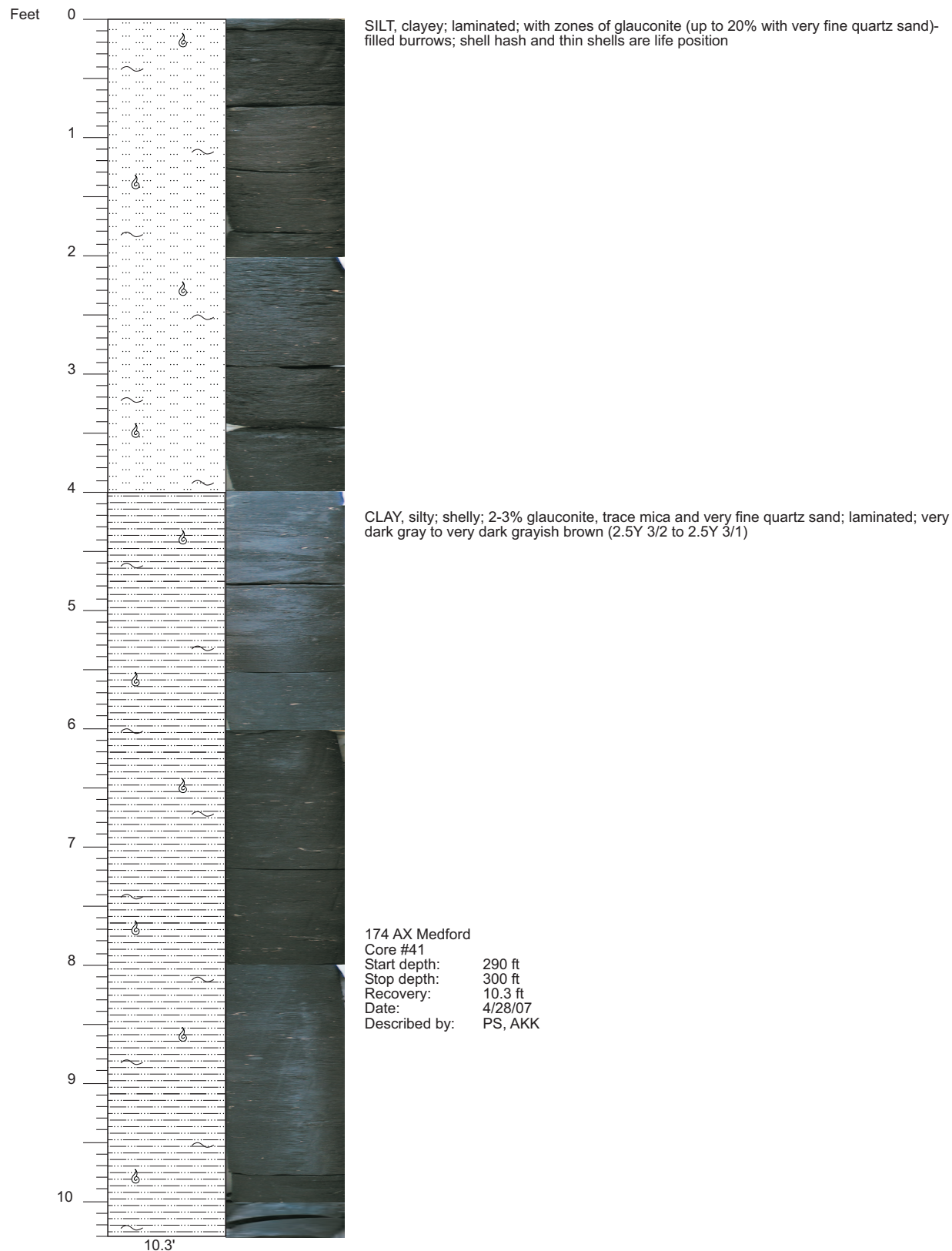
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

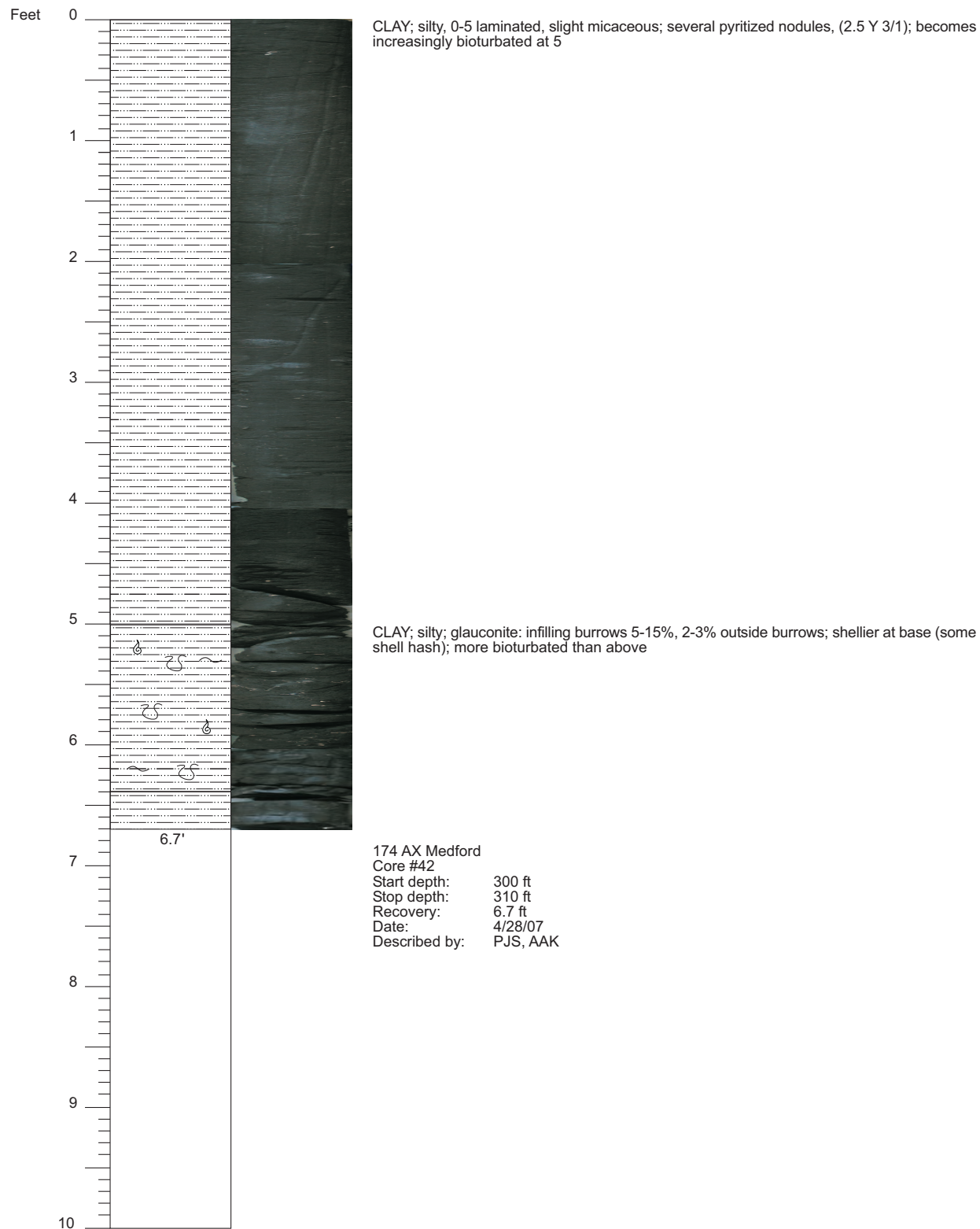
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CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

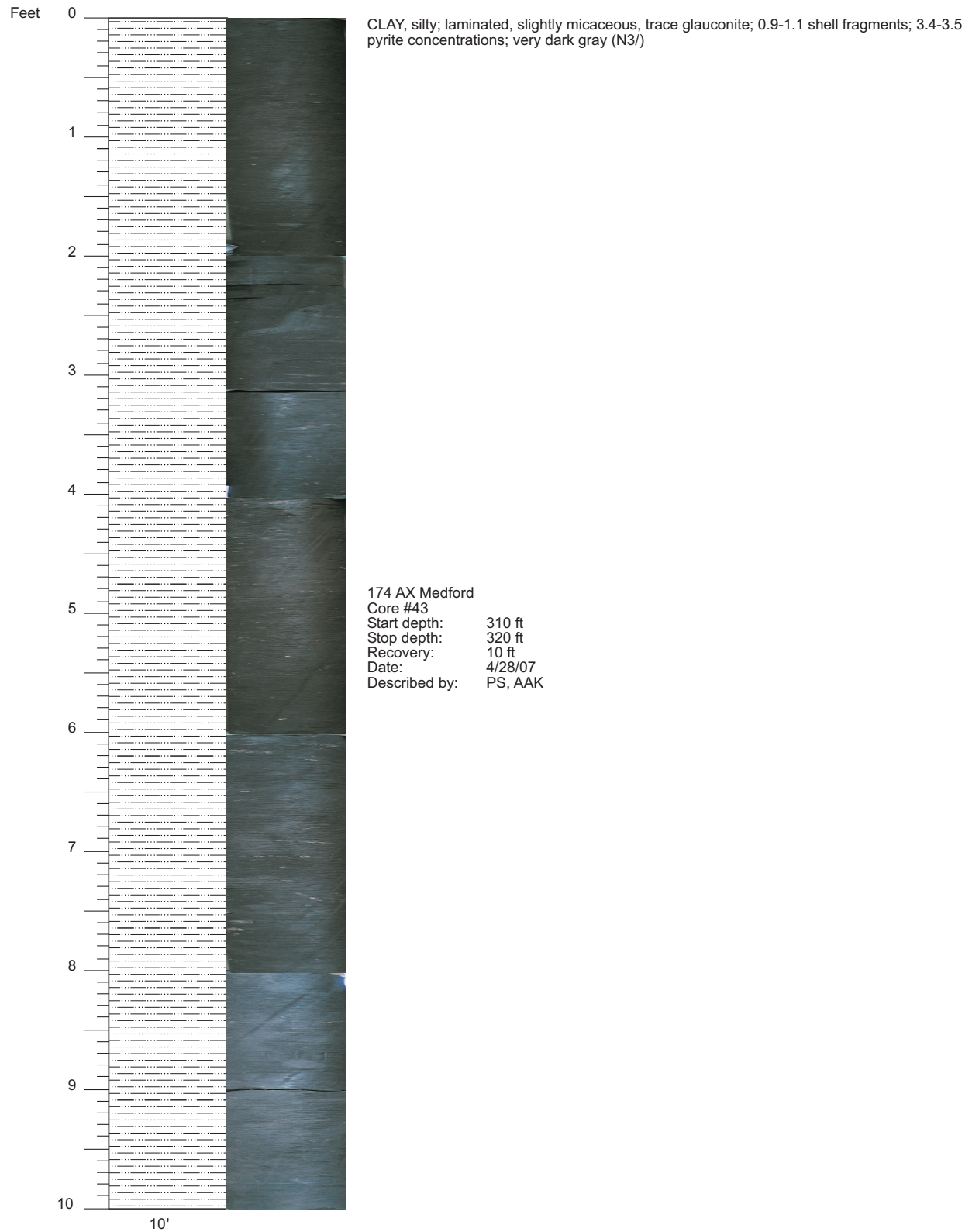
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CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

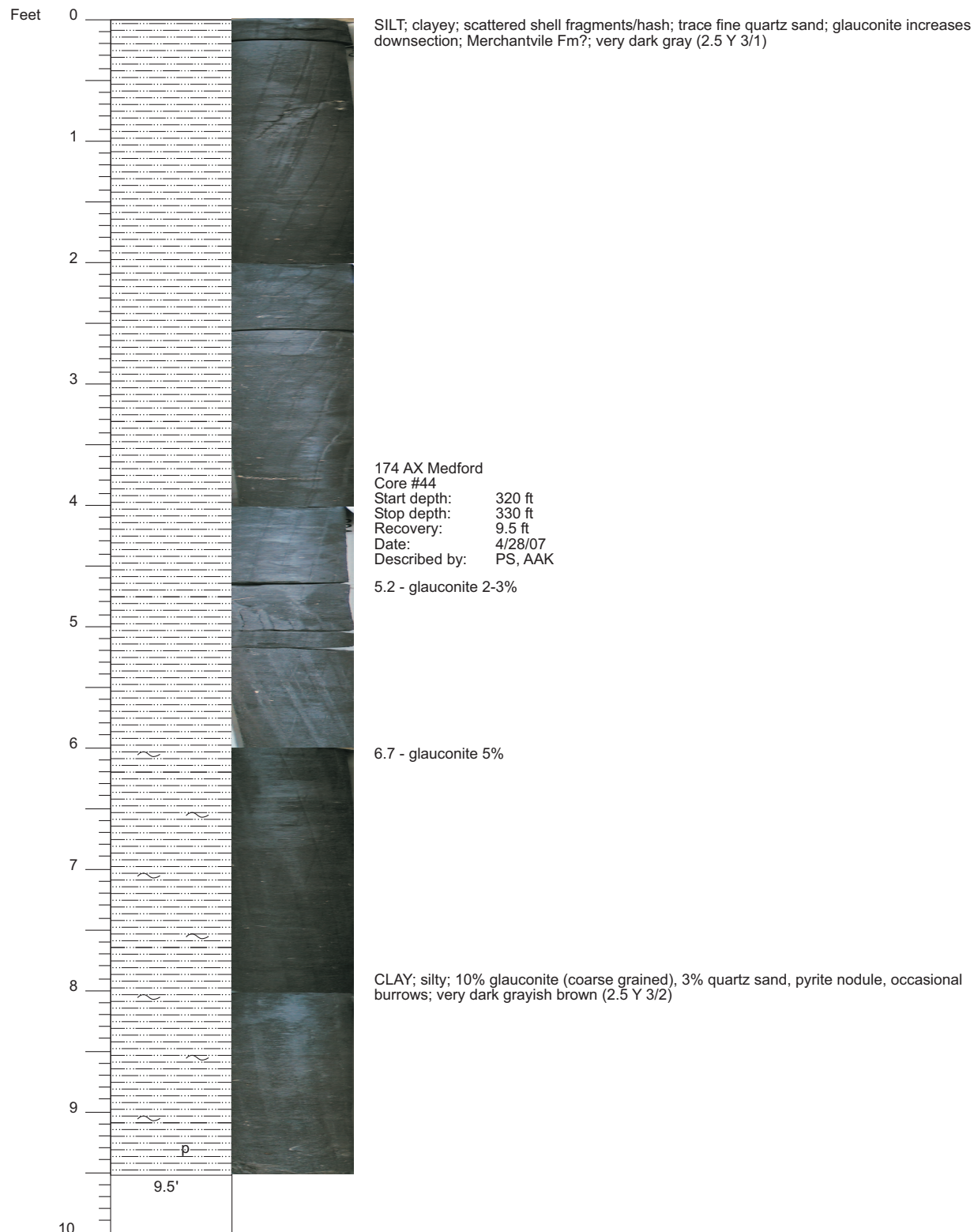
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

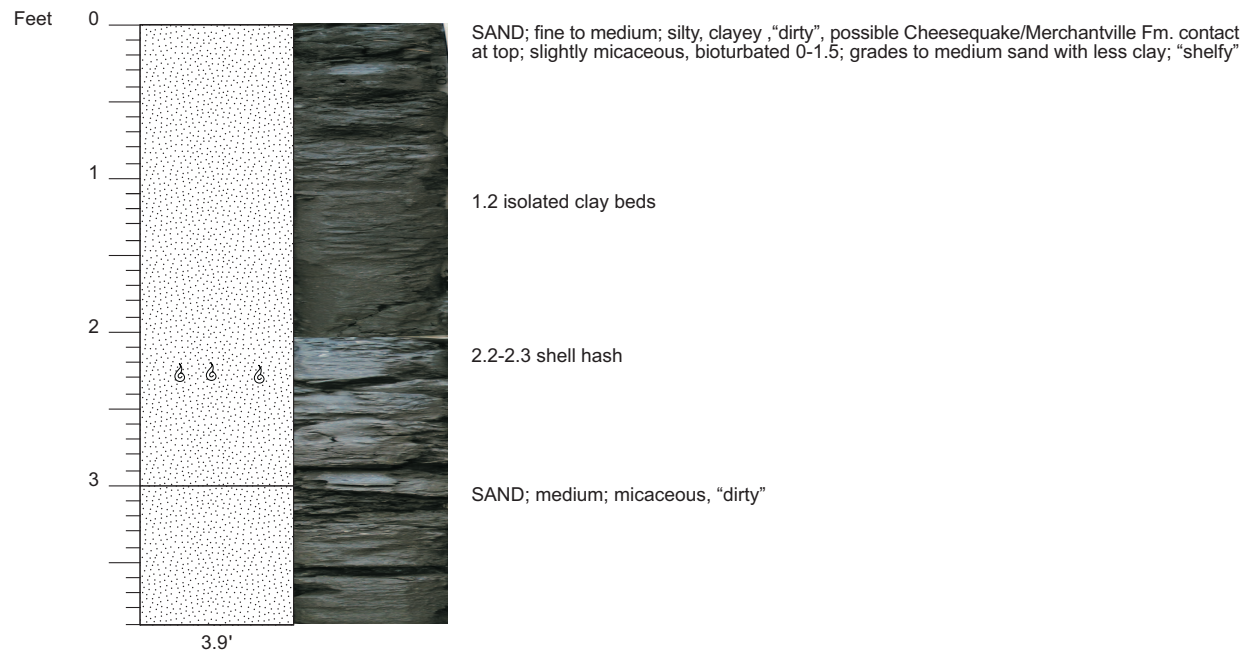
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

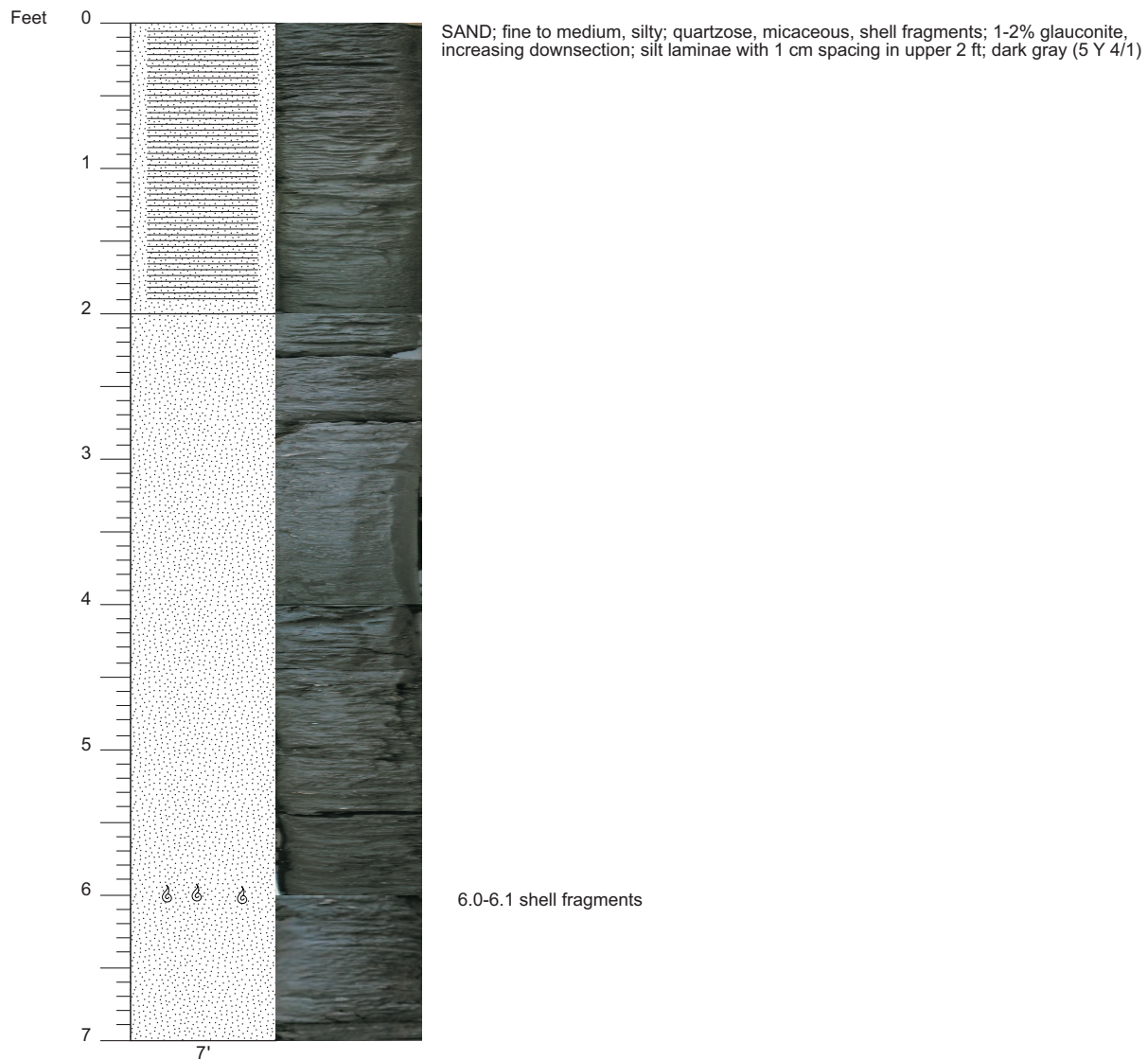
45



174 AX Medford
Core #45
Start depth: 330 ft
Stop depth: 333 ft
Recovery: 3.9 ft
Date: 4/28/07

CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

46

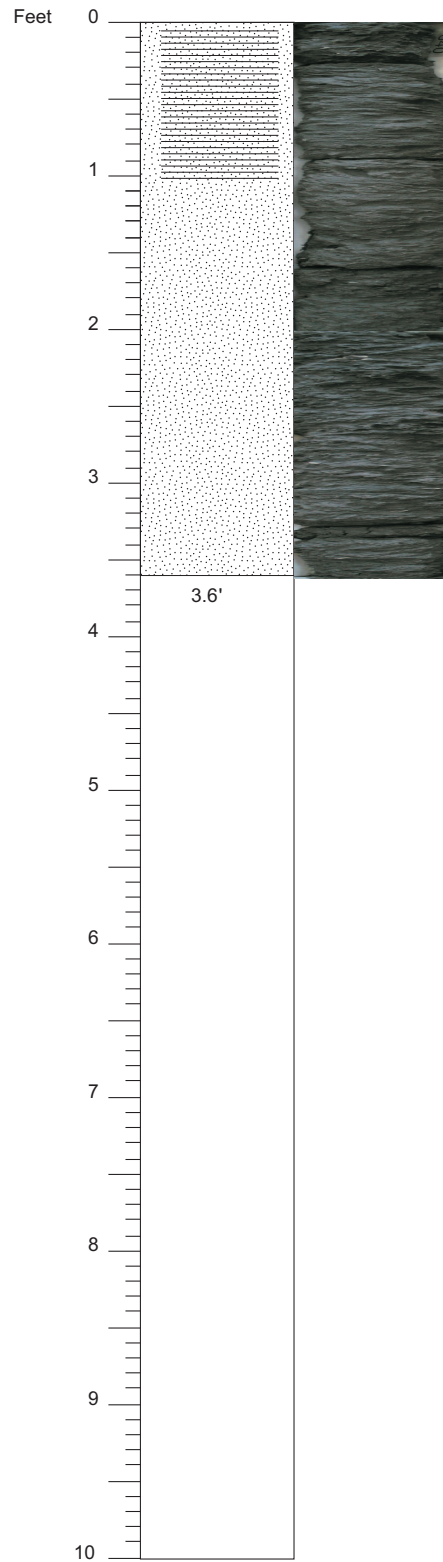


Core #46
 174 AX Medford
 Start depth: 333 ft
 Stop depth: 340 ft
 Recovery: 7 ft
 Date: 4/29/07

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

47

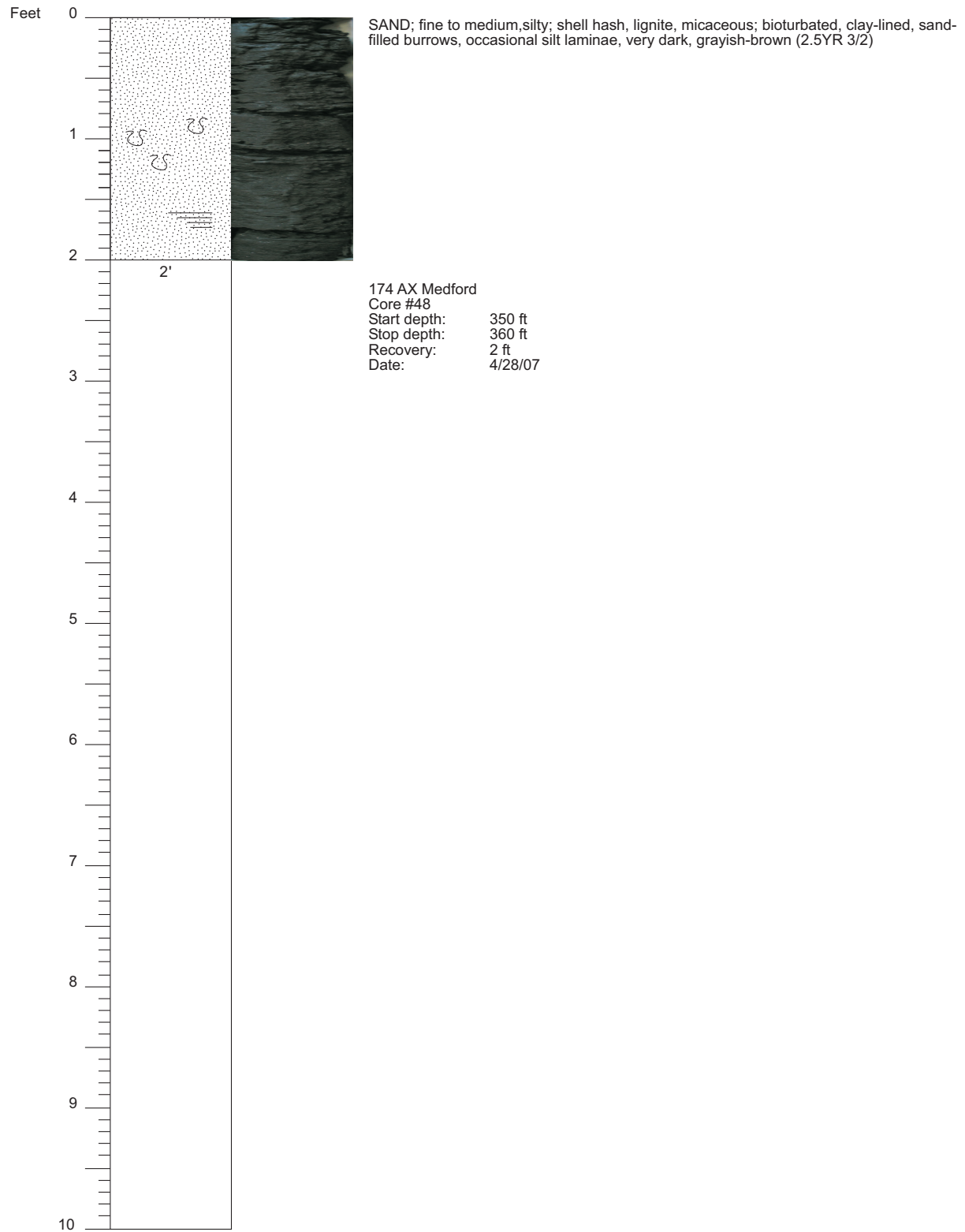


SAND; clayey, silty; very fine; shelly at times (fragments), slightly micaceous; trace lignite at base and throughout; no visible glauconite; lower shoreface?; very heavily bioturbated (burrows contain very fine sand and clayey silt); some original laminae preserved at 3.2, upper 1 ft laminated

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

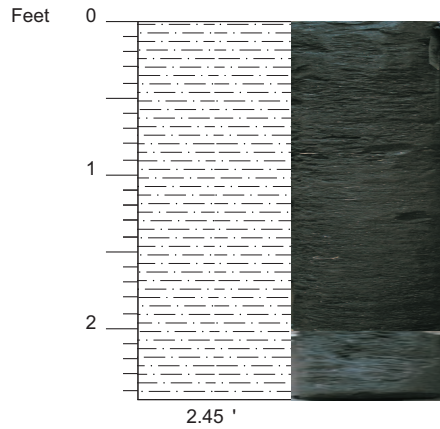
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CORE DESCRIPTIONS

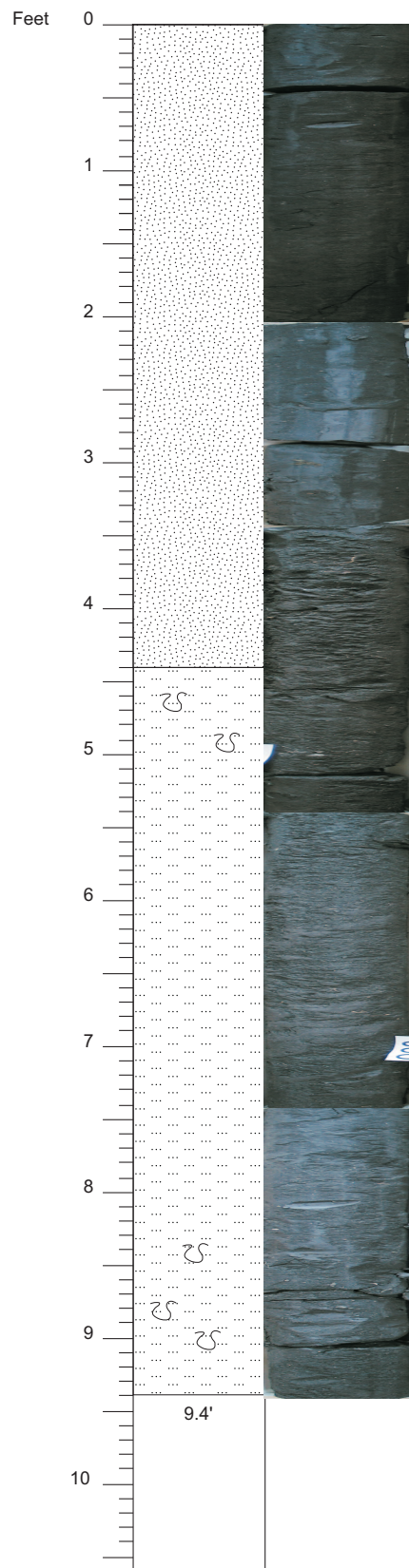
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

49



SAND; silty and clayey, fine; quartz, scattered mica (up to coarse), 1-2% glauconite; heavily bioturbated, clay-filled burrows up to a few mm; scattered thin-walled bivalve shells, both whole and fragmented; glauconite becomes more abundant downcore; black (2.5/1)

174 AX Medford
Core #49
Start depth: 360 ft
Stop depth: 362.45 ft
Recovery: 2.45 ft
Date: 4/29/07



SAND; fine, mostly quartz; 5% mica, up to coarse grained, some green chlorite; 2-3% glauconite; visible forams; scattered thin-walled, fragments and whole shell; some shells aragonitic (mother of pearl); heavily bioturbated, burrows up to 1 mm across; black (N/2.5)

4.4 bioturbated contact, glauconite burrow at 5 ft 0.6 ft below contact

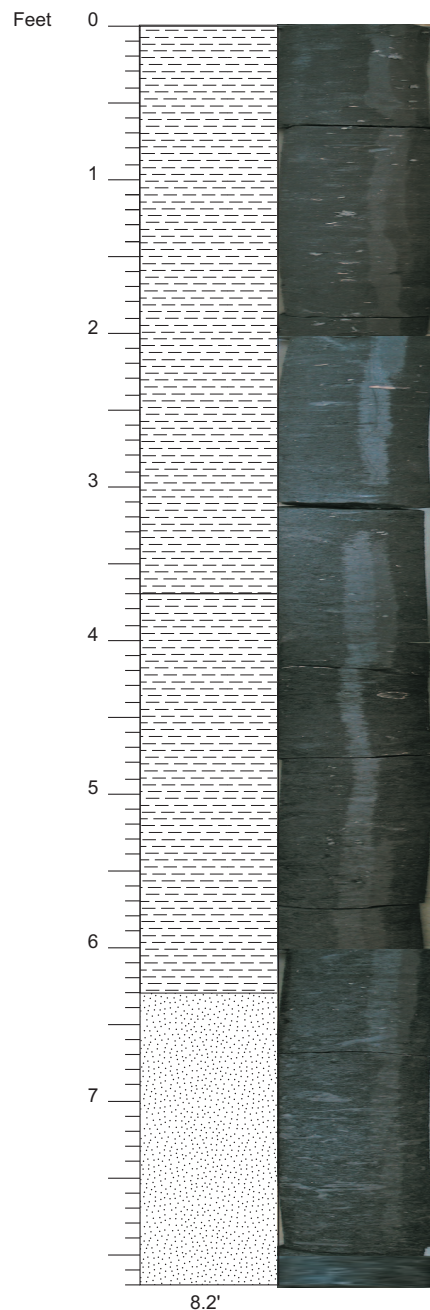
SILT, clayey, micaceous; chlorite grains up to medium sand sized, small % of very fine sand; scattered thin-walled shell fragments; visible forams (*Lenticulina*), heavily bioturbated; sand-filled burrows towards base, black (N 2.5)

174 AX Medford
Core #50
Start depth: 362.45 ft
Stop depth: 373 ft
Recovery: 9.4 ft
Date: 4/29/07
Described by: JB, AP

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

51

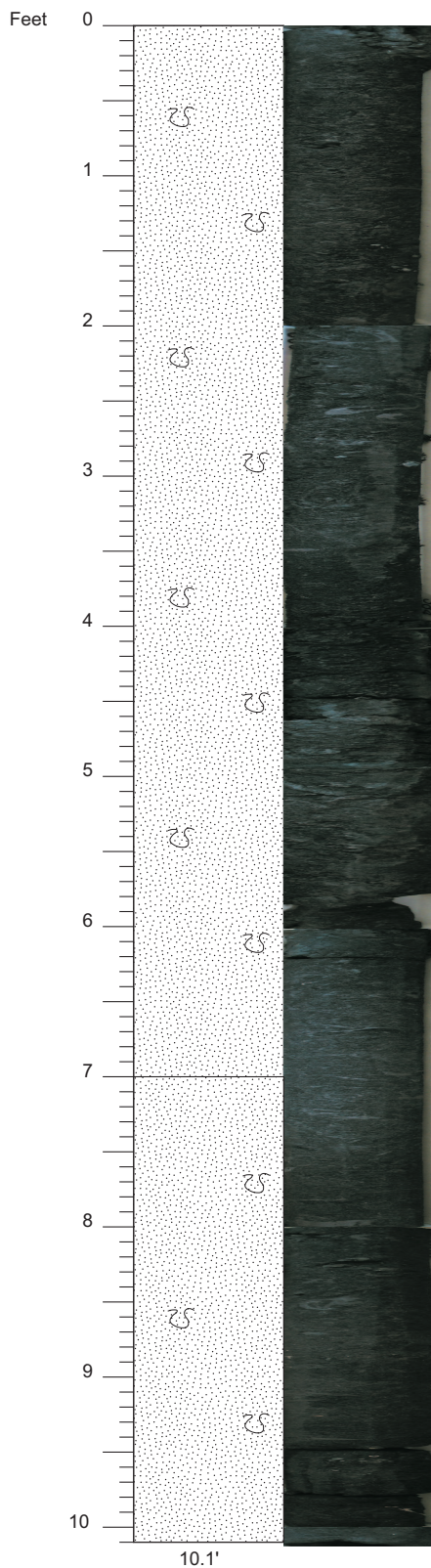


CLAY; silty, silt-sized mica; glauconite percent increasing steadily through at core; no quartz sand, no glauconite at top of core; small percent fine to coarse mica; bivalve, echinoid spine, shell fragments scaphopod; forams visible on outside core; black (N4/)

CLAY; similar to above, but increasing amounts of glauconite; ~5% glauconite, heavily bioturbated, 1-3% mica, few % shells, many forams

SAND; numerous clay-lined burrows; over 50% sand, glauconitic, no quartz visible, 55% glauconite, 50-55% clay; lower 2 ft some burrows have over 80% glauconite; some forams, some quartz grains at very base of core, Black (N 2.5/), dark-greenish gray

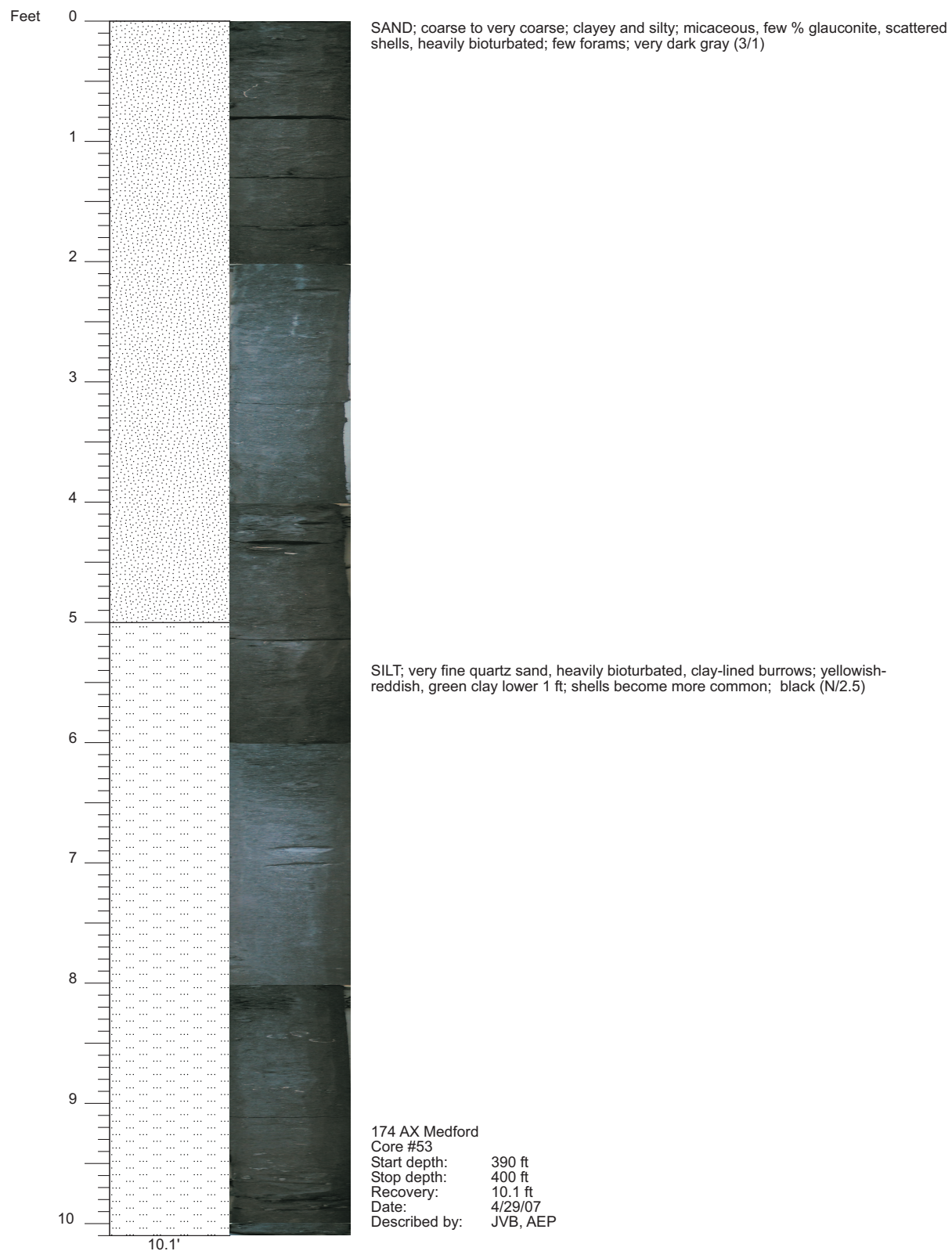
174 AX Medford
Core #51
Start depth: 373 ft
Stop depth: 380 ft
Recovery: 8.2 ft
Date: 4/29/07
Described by: JVB, AP

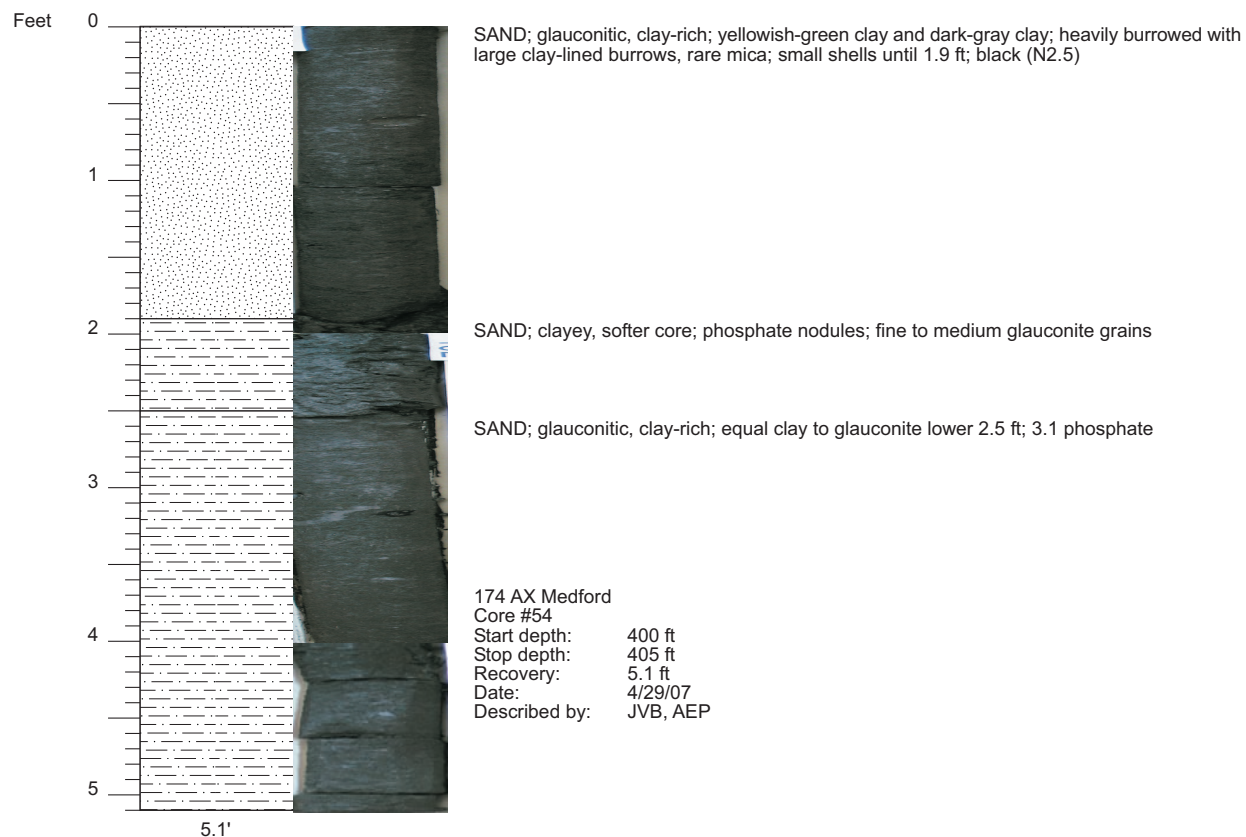


SAND; medium to fine, glauconitic; heavily bioturbated throughout; clay lined burrows up to 1 cm in diameter; below 2.6-5.9 very few clay-lined burrows, shells are rare but still heavily bioturbated; many phosphate concretions throughout core, mica becomes rare down to 5.9; 4.7-5.9 very soft core, possibly sequence boundary; very soft when recovered, more glauconitic; black (N2.5)

SAND; glauconite, clayey; mica increases at 5.9 downcore; very little carbonate, but some shells present; pyrite in bottom section, increasing downcore; number of shells increase at bottom scaphopods

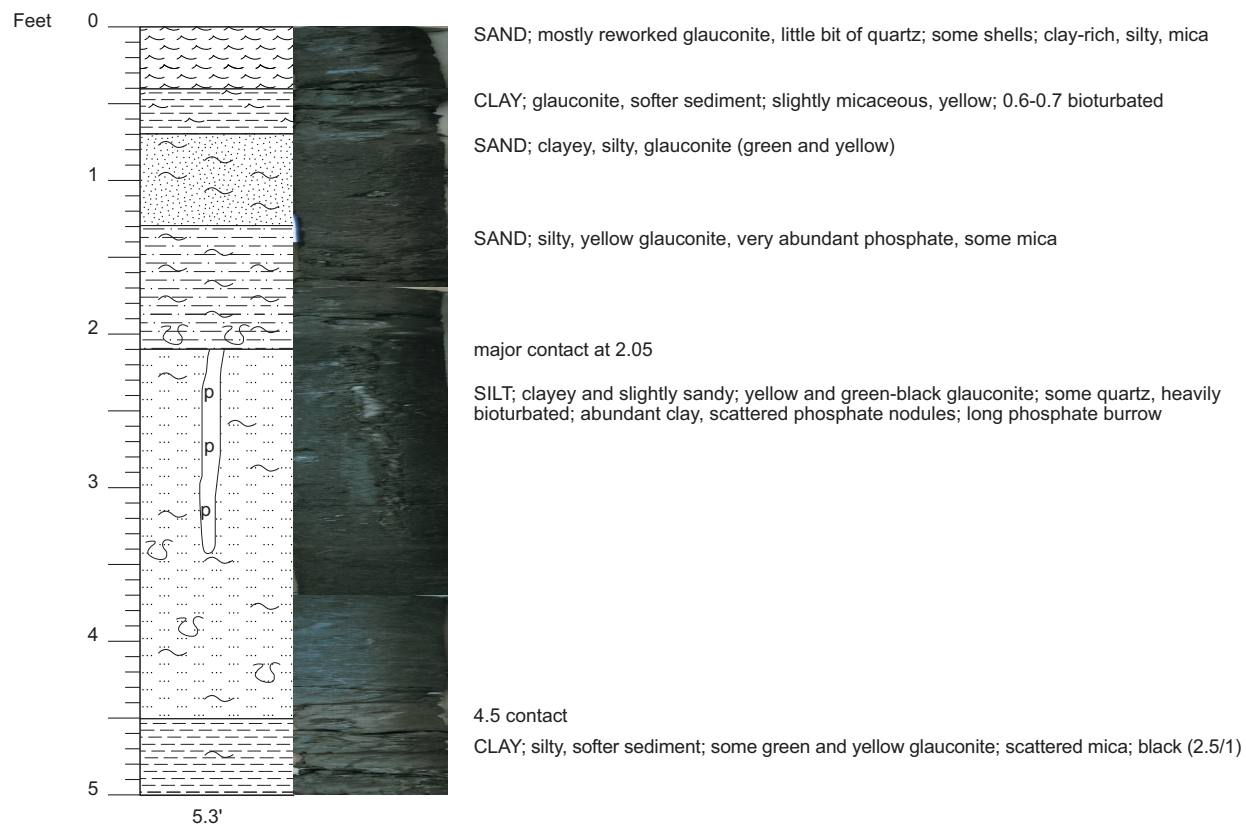
174 AX Medford
Core #52
Start depth: 380 ft
Stop depth: 390 ft
Recovery: 10.1 ft
Date: 4/29/07
Described by: JVB, AEP





CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

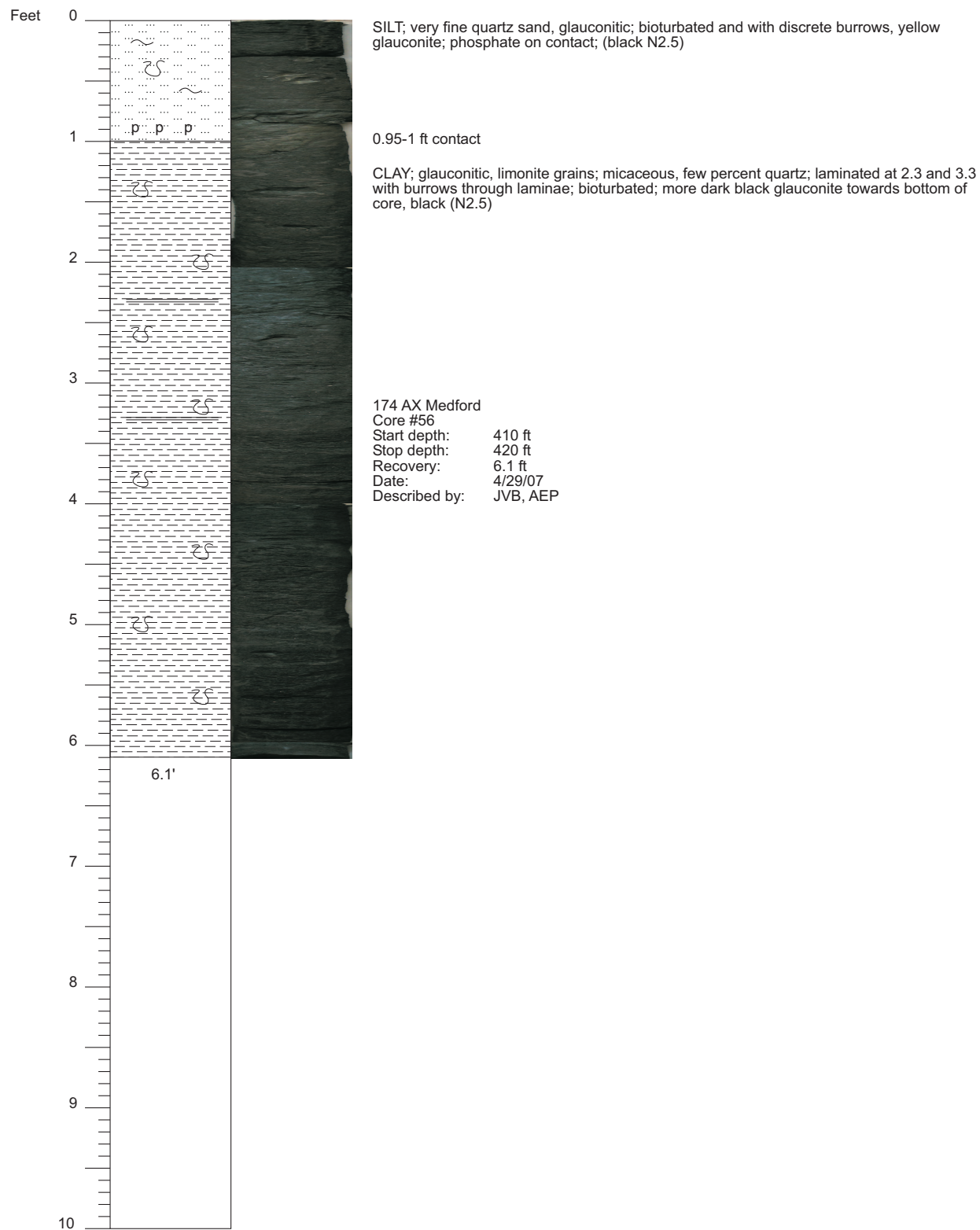
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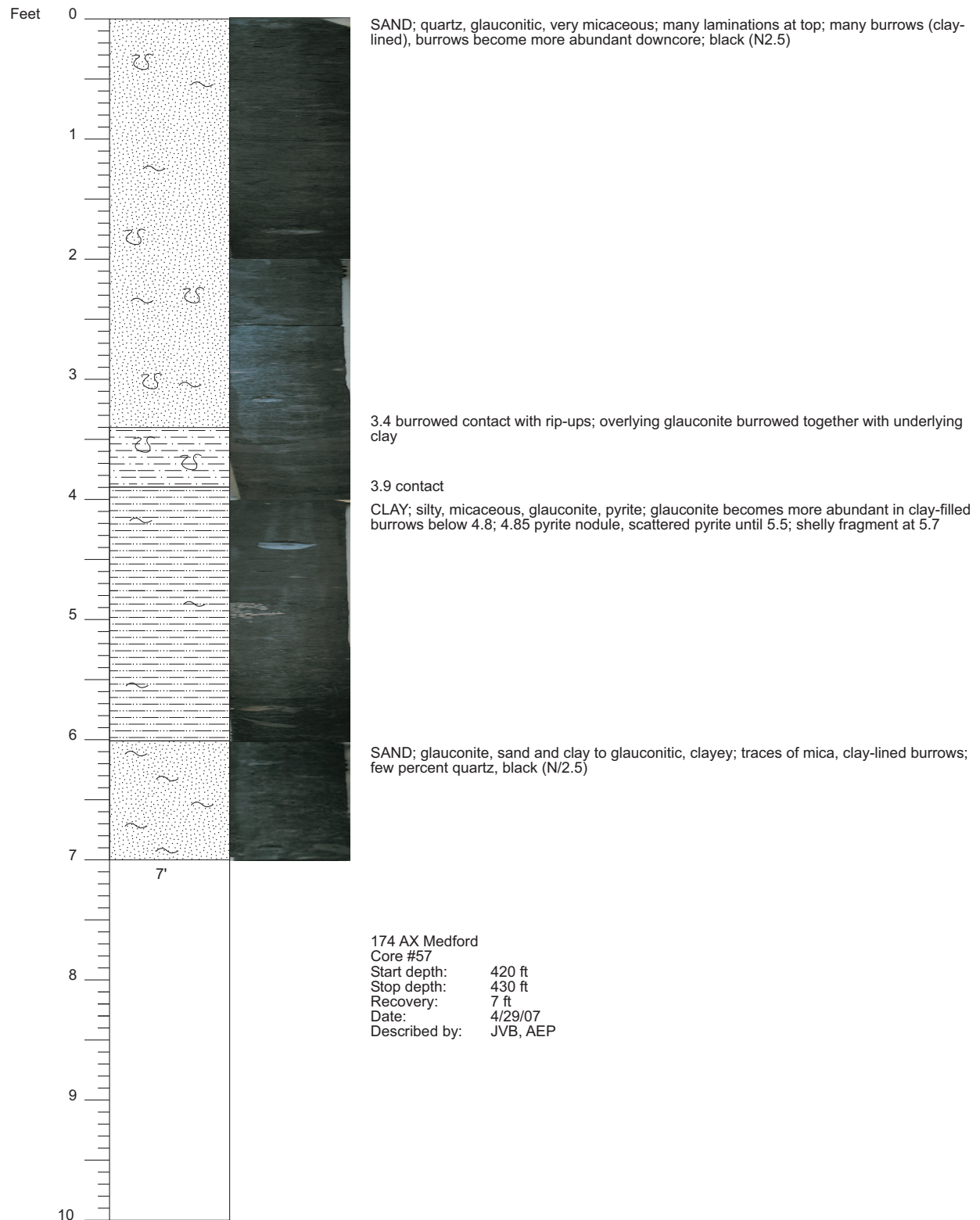


174 AX Medford
 Core #55
 Start depth: 405 ft
 Stop depth: 410 ft
 Recovery: 5.3 ft
 Date: 4/29/07
 Described by: JVB, AEP

CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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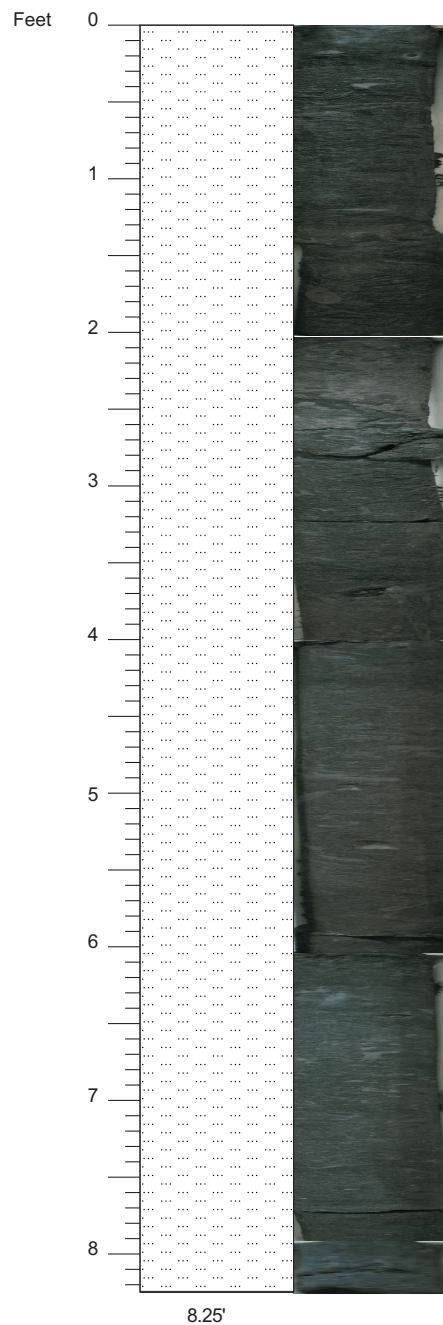




CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

58

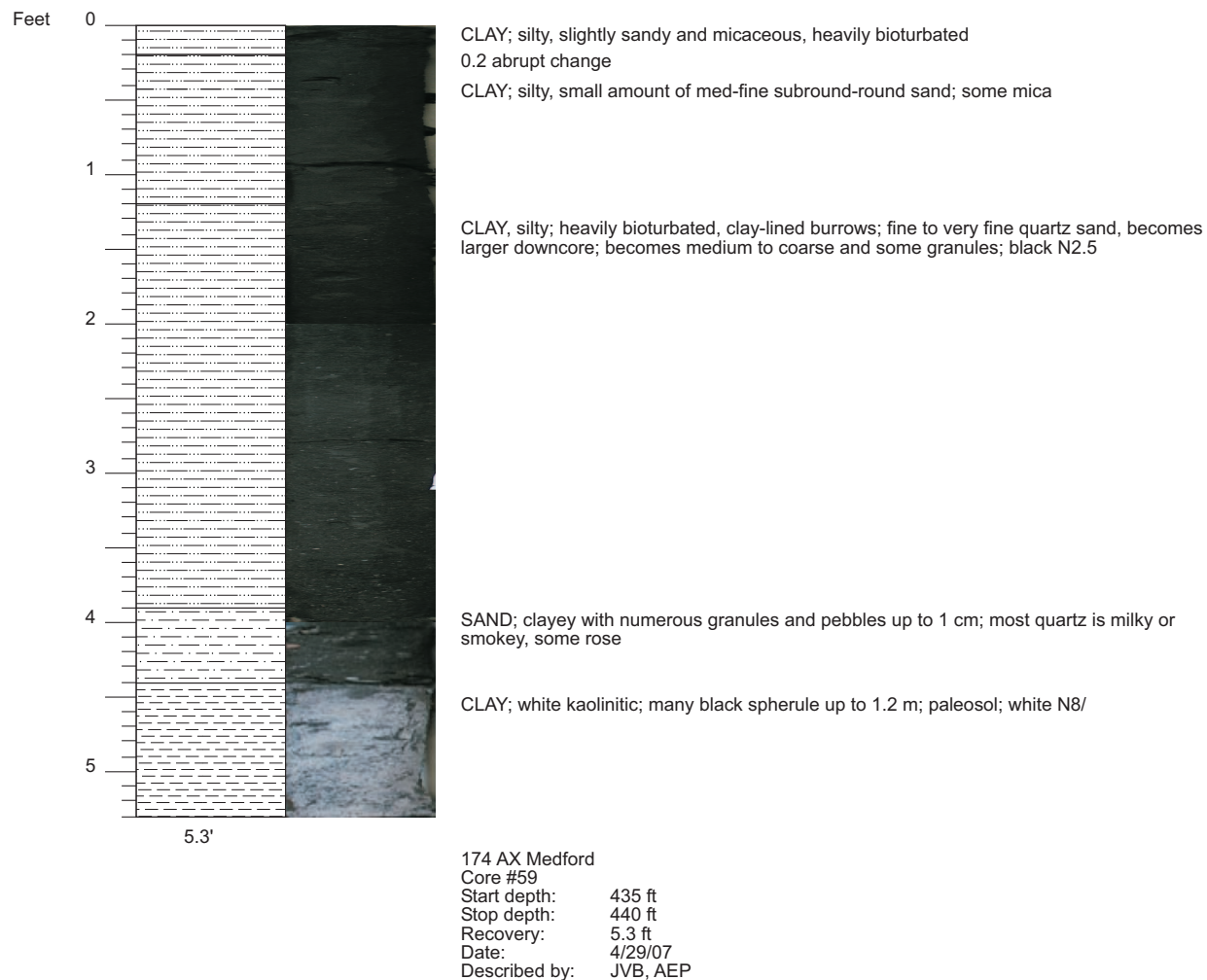


SILT; clayey and sandy, some coarse quartz grains; 5-10% glauconite sand; few percent quartz sand, slightly micaceous; many clay-lined burrows, scattered pyrite; 2.1-2.7 is more clay-rich; very abundant, bright green glauconite grains towards bottom, some phosphate grains; black (N/2.5)

174 AX Medford
Core #58
Start depth: 430 ft
Stop depth: 435 ft
Recovery: 8.25 ft
Date: 4/29/07
Described by: JVB, AEP

CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

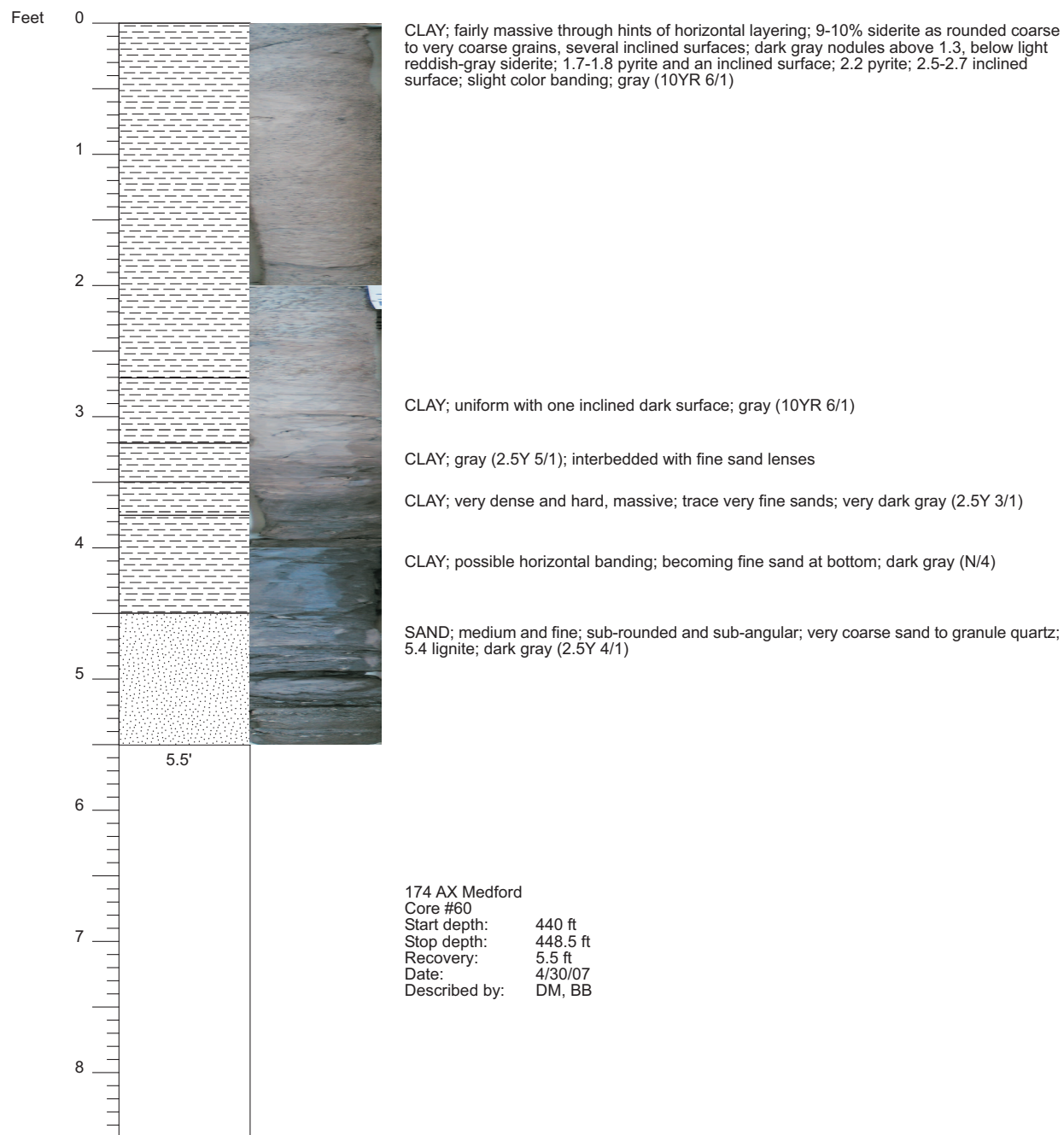
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

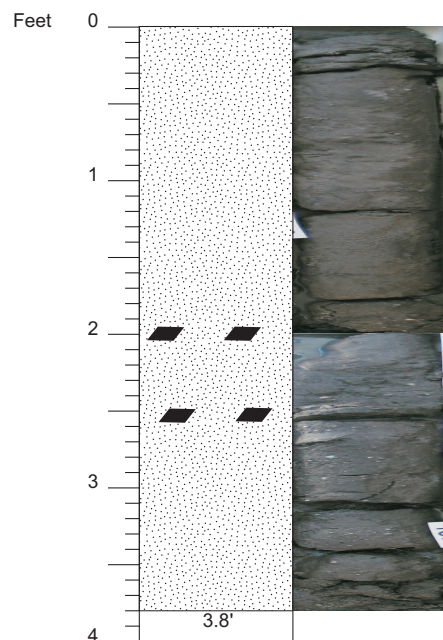
60



CORE DESCRIPTIONS

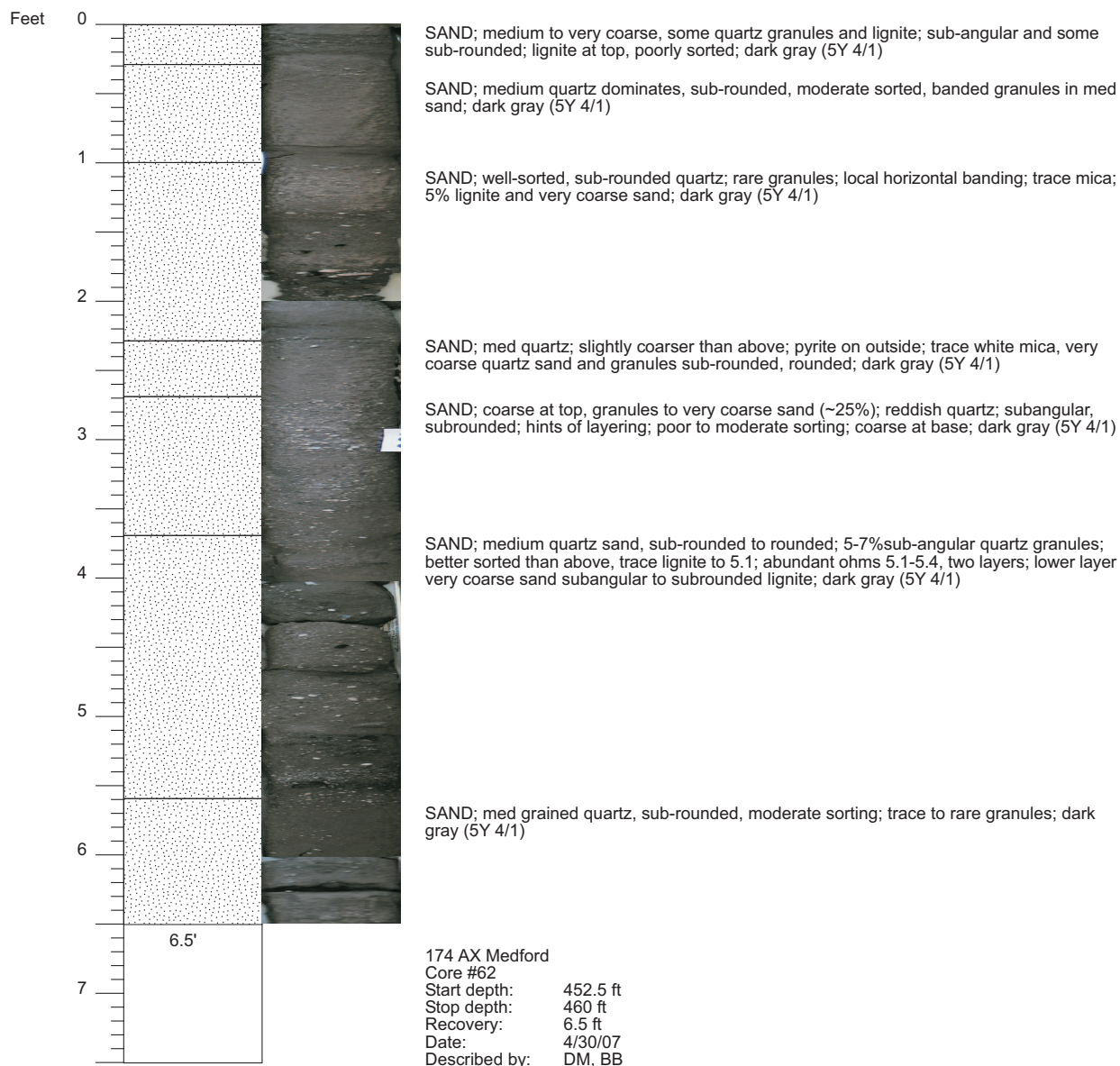
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

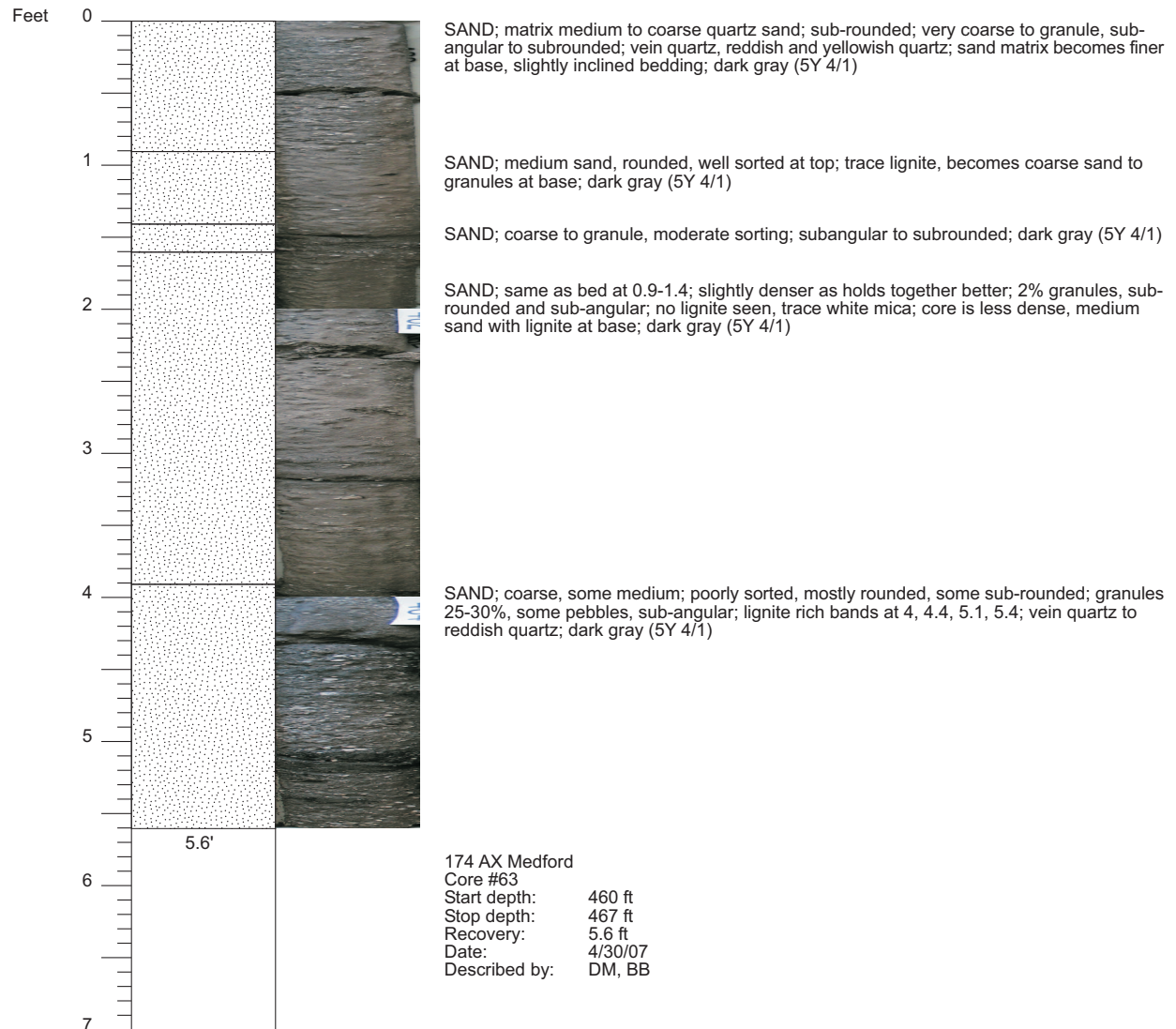
61



SAND; medium to coarse, predominantly medium; sub-rounded, well-sorted quartz sand; white mica and ohms (possible lignite) trace to 1%; pyrite concentration at 1.5; granule, sub-angular to sub-rounded quartz going down to coarse sand varying to 5%; 2.5-2.6, 2.7-2.8 lignite; 3.1 lignite and pyrite; dark gray (2.5Y 4/1)

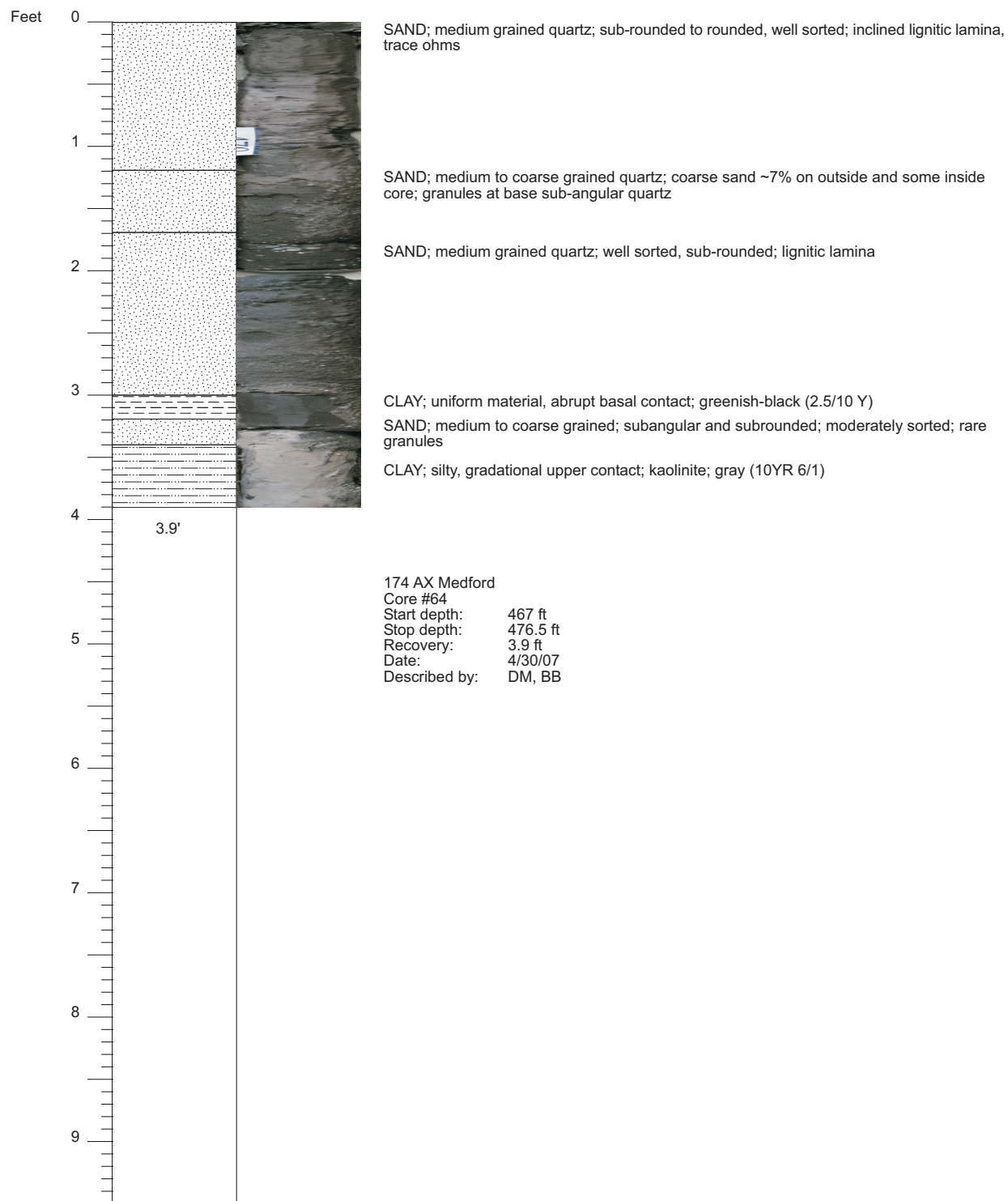
174 AX Medford
Core #61
Start depth: 448.5 ft
Stop depth: 452.5 ft
Recovery: 3.8 ft
Date: 4/30/07
Described by: DM, BB

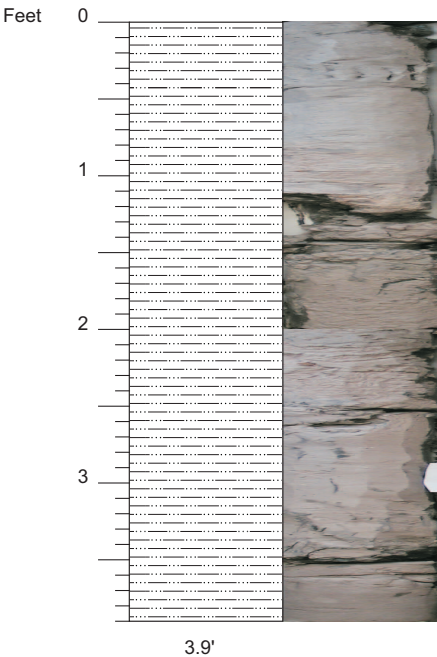




CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

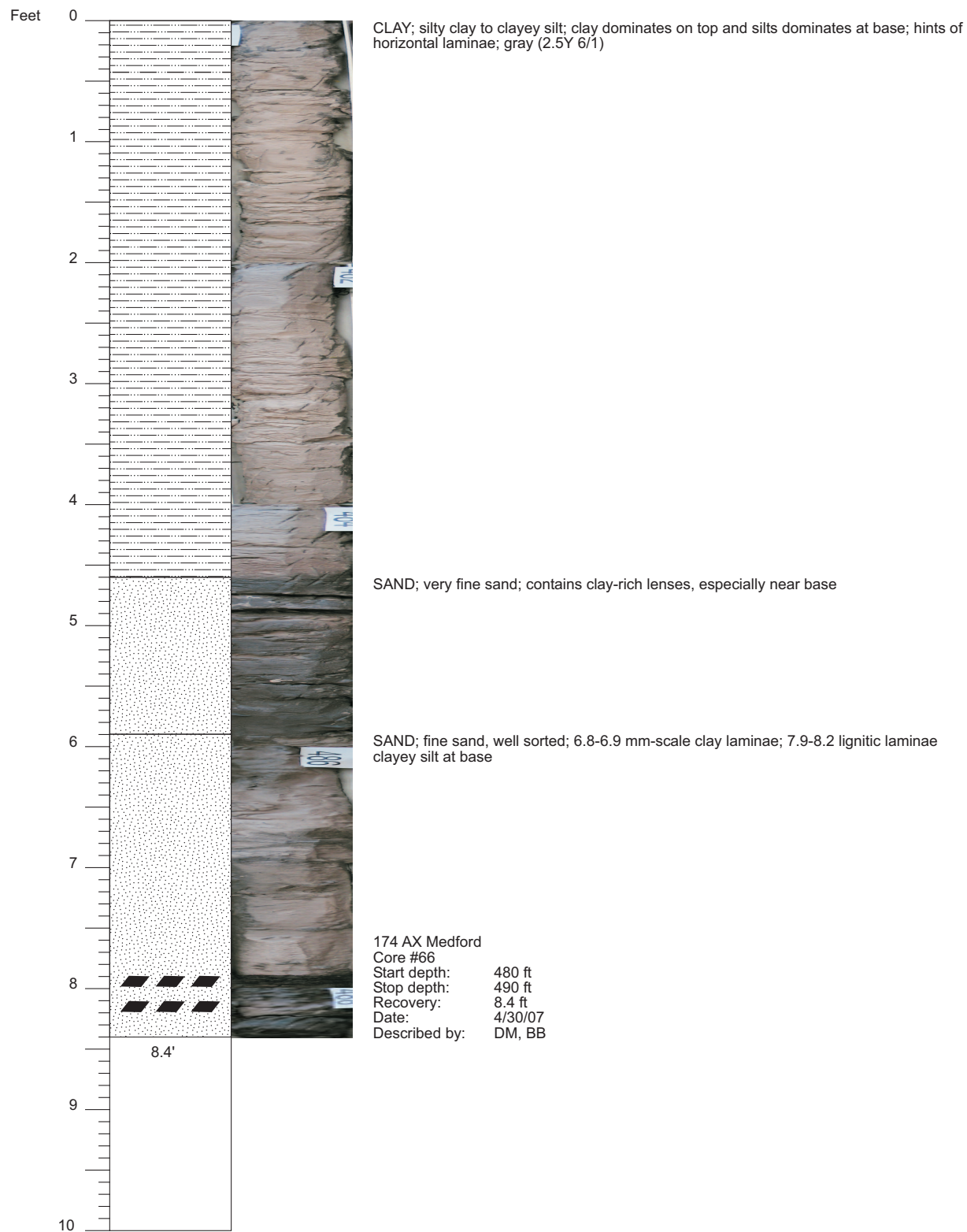
64





CLAY; silty clay to clayey silt, varies down core; kaolinite; very fine sand lenses (e.g., 2.9-3.0, 3.2-3.3) contain siderite, siderite is 3% from 1.6-2.4; gray (2.5Y 6/1)

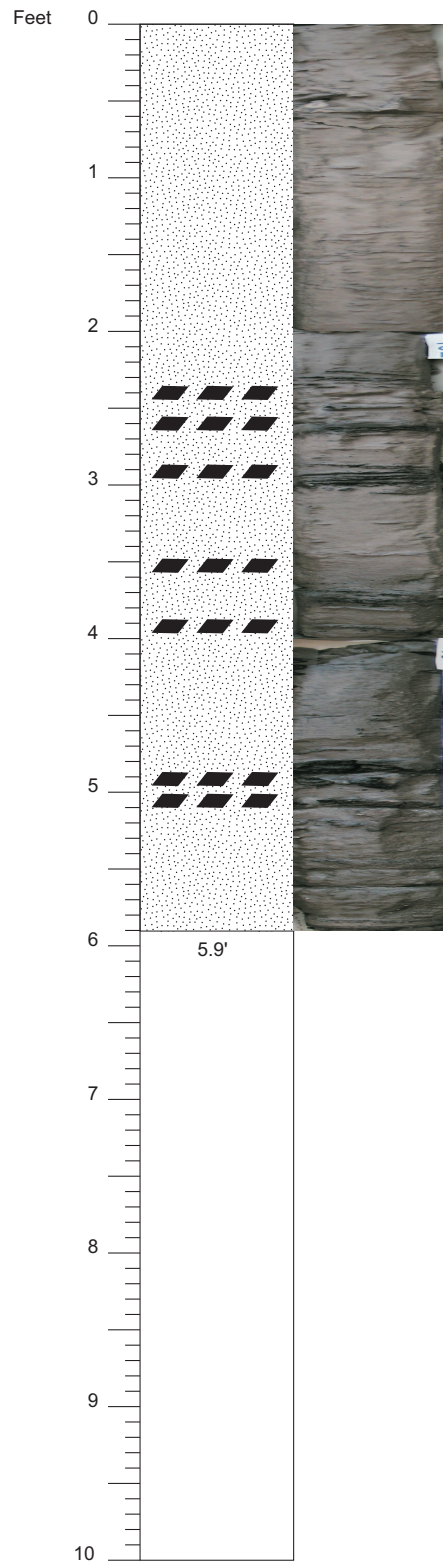
174 AX Medford
Core #65
Start depth: 476.5 ft
Stop depth: 480 ft
Recovery: 3.9 ft
Date: 4/30/07
Described by: DM, BB



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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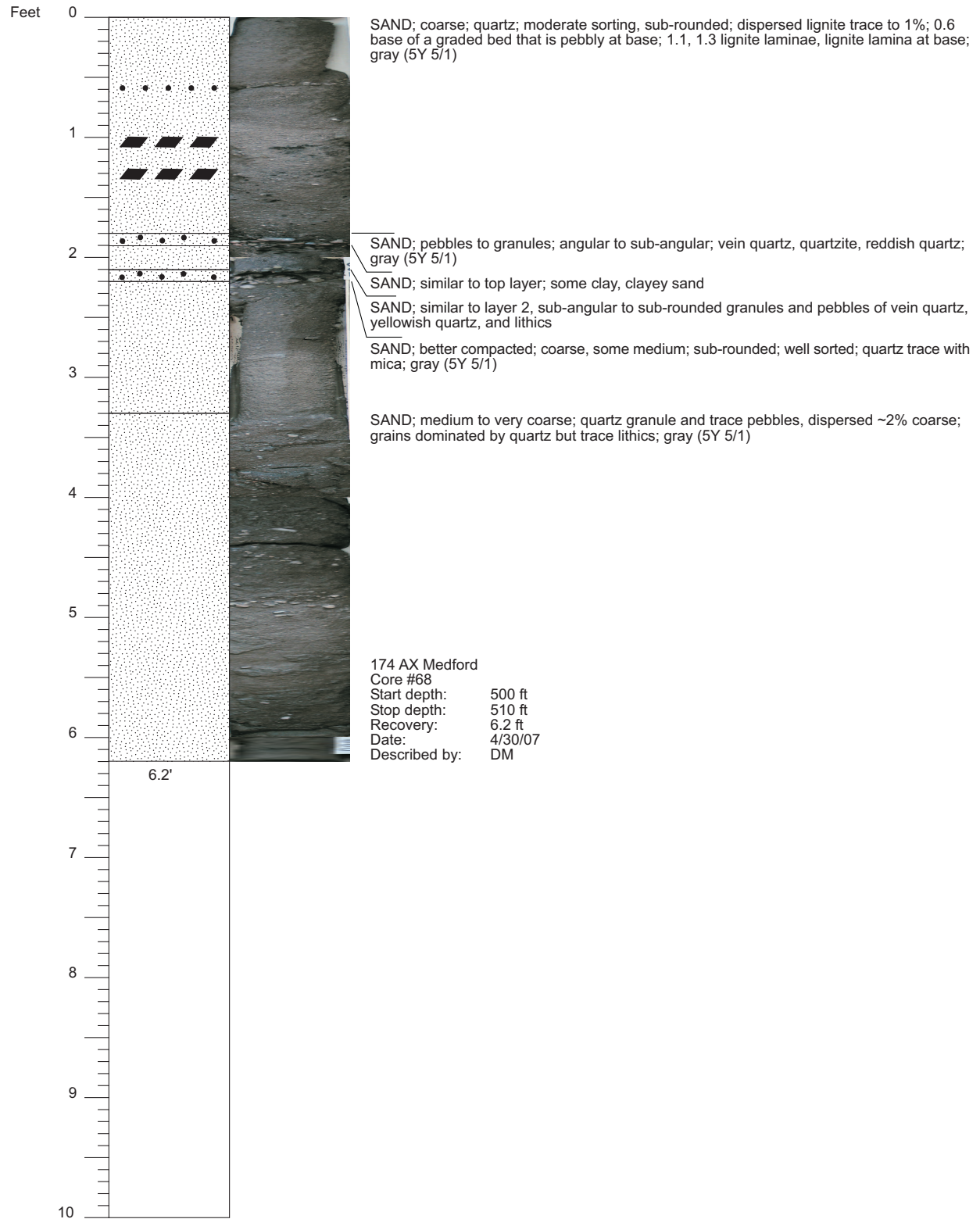
SAND; mostly fine, some medium; quartz; well sorted; local inclined laminae; 2.3, 2.6, 2.9, 3 lignite laminae; 3.6, 3.7, 3.9, 4.9, 5 lignite lenses; gray (5Y 5/1) on top, dark gray (5Y 4/1) on bottom

174 AX Medford
Core #67
Start depth: 490 ft
Stop depth: 500 ft
Recovery: 5.9 ft
Date: 4/30/07
Described by: DM, BB

CORE DESCRIPTIONS

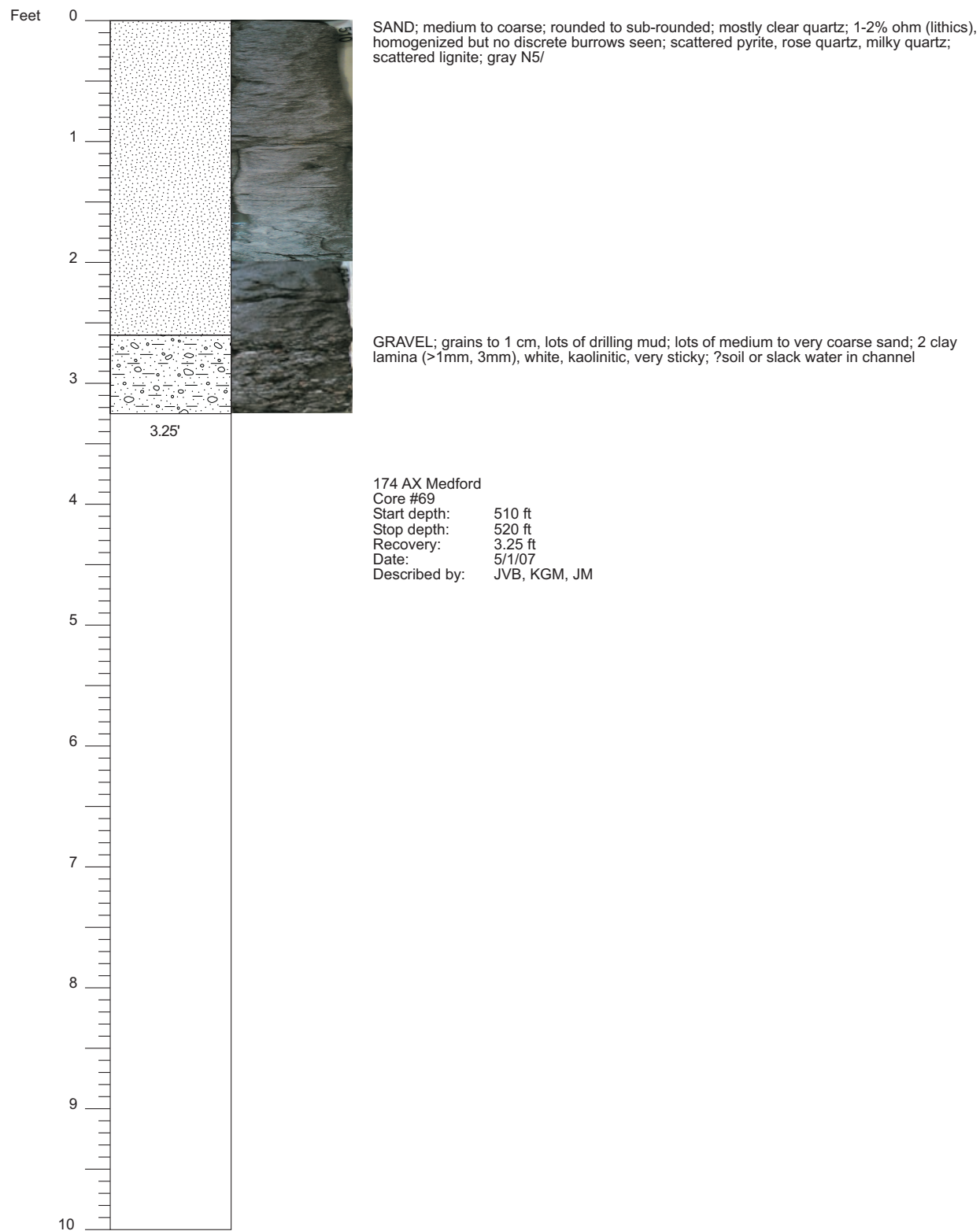
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

68



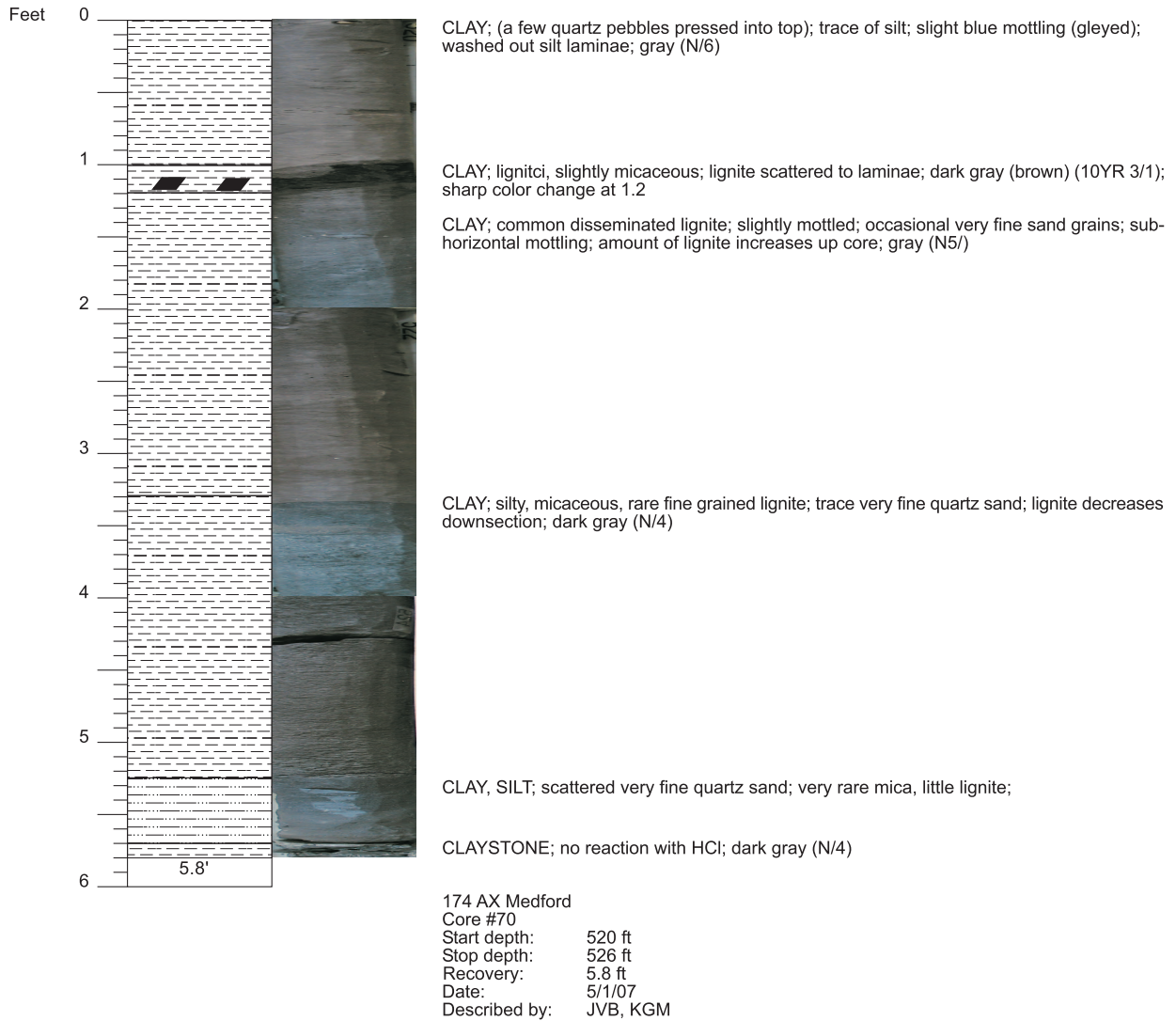
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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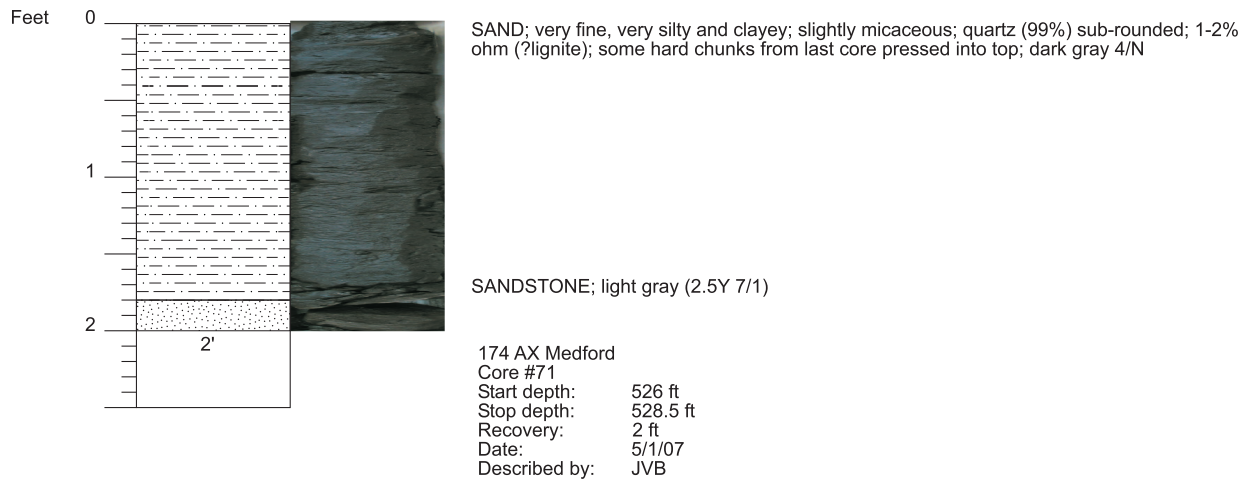
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

70



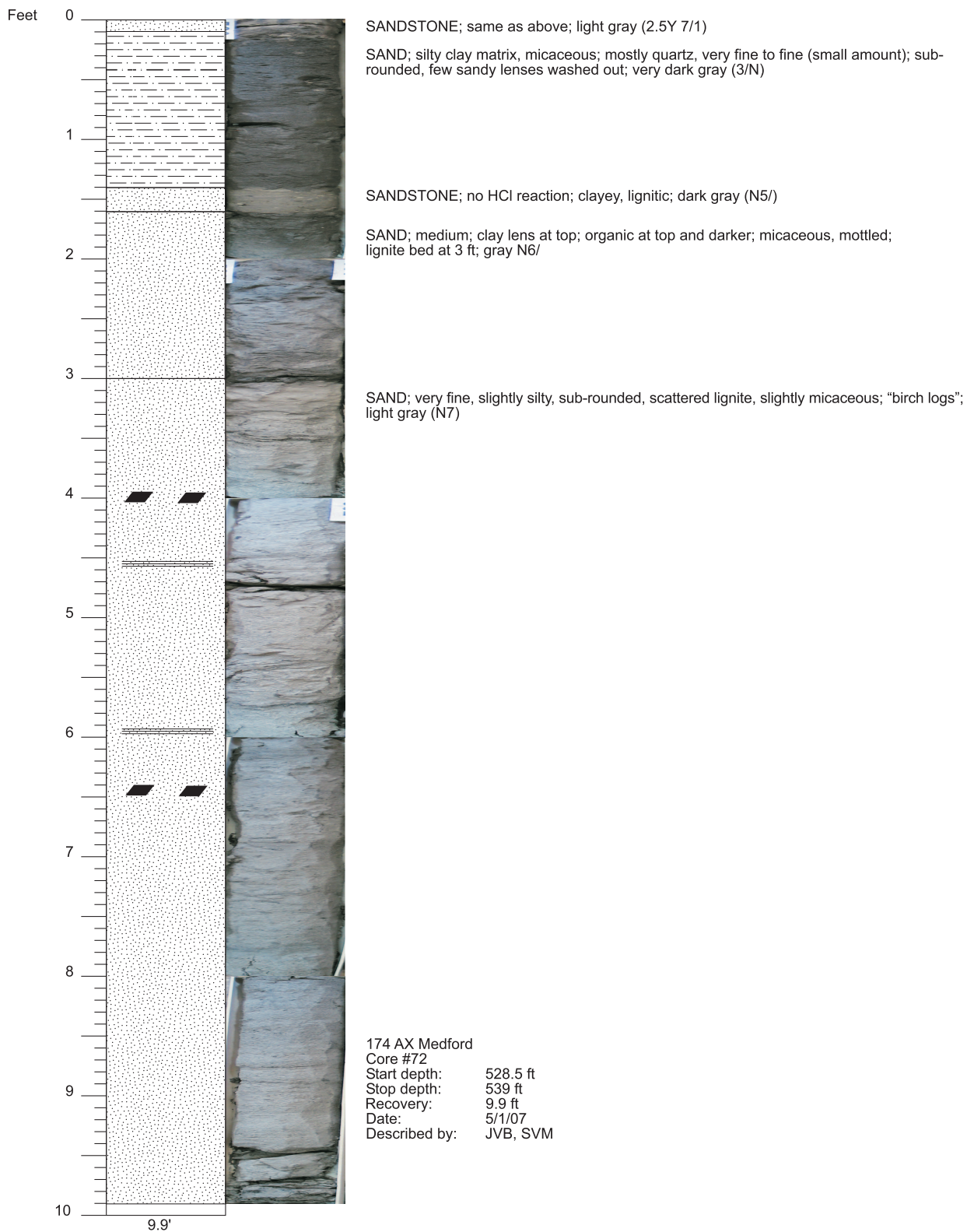
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

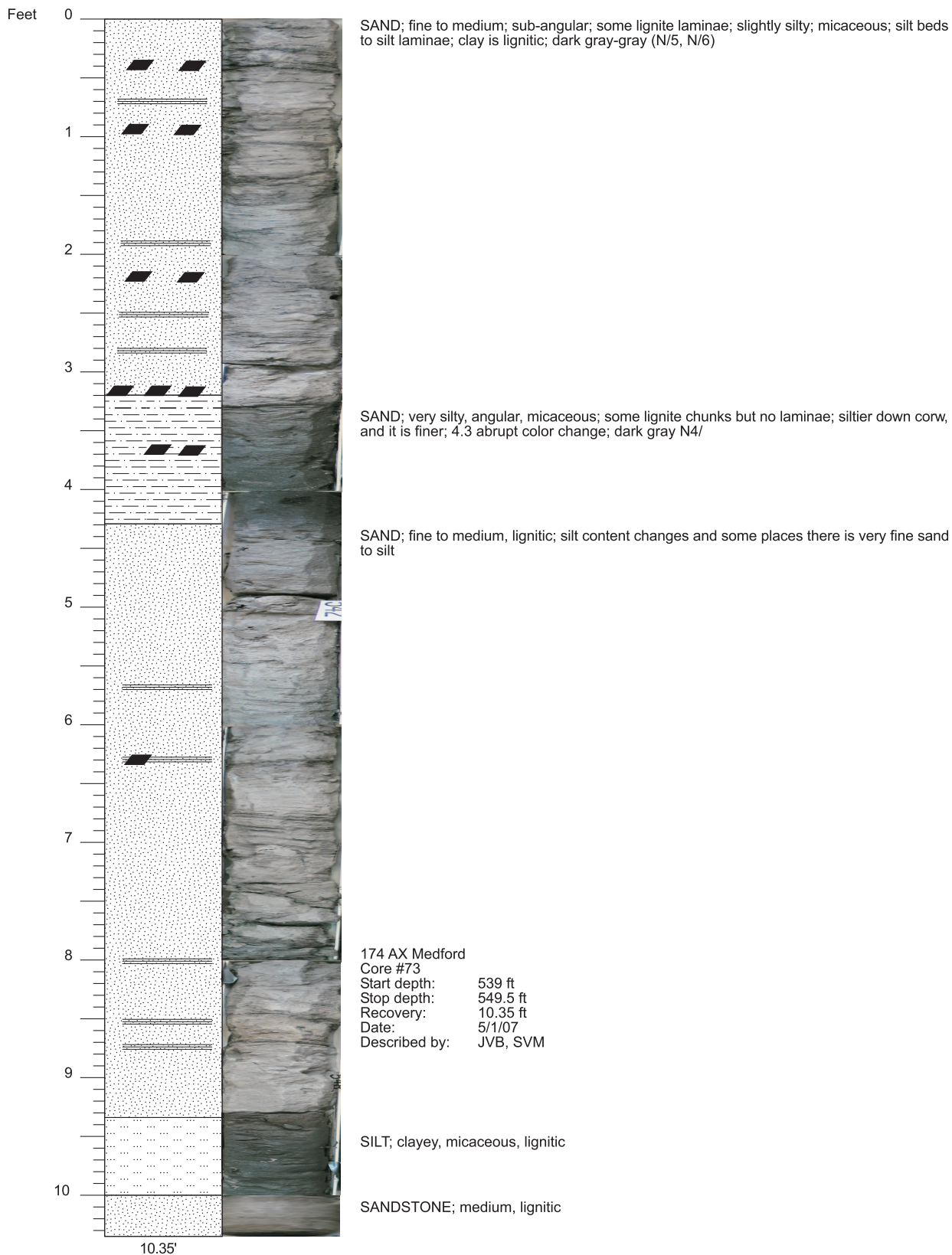
71



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

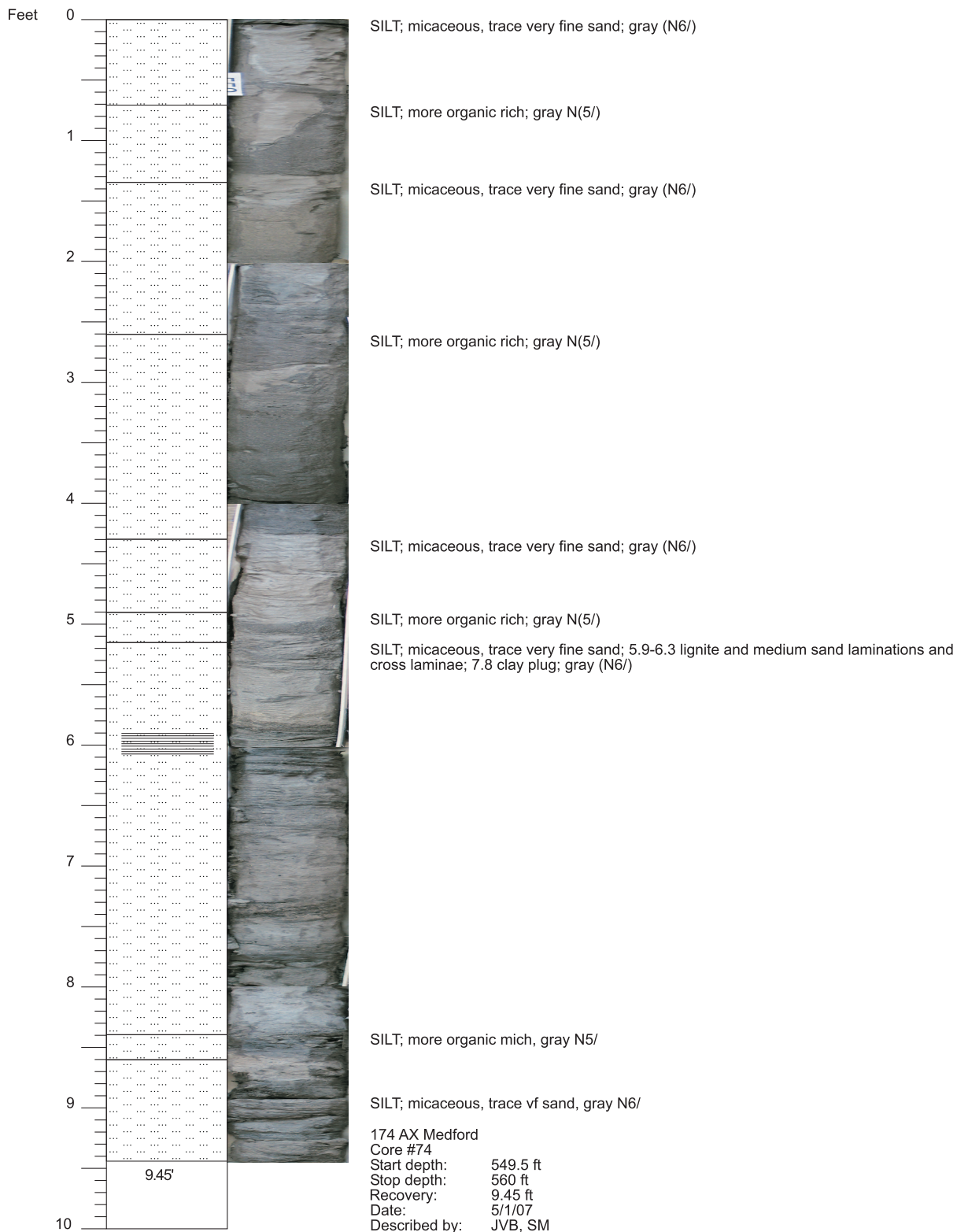
72





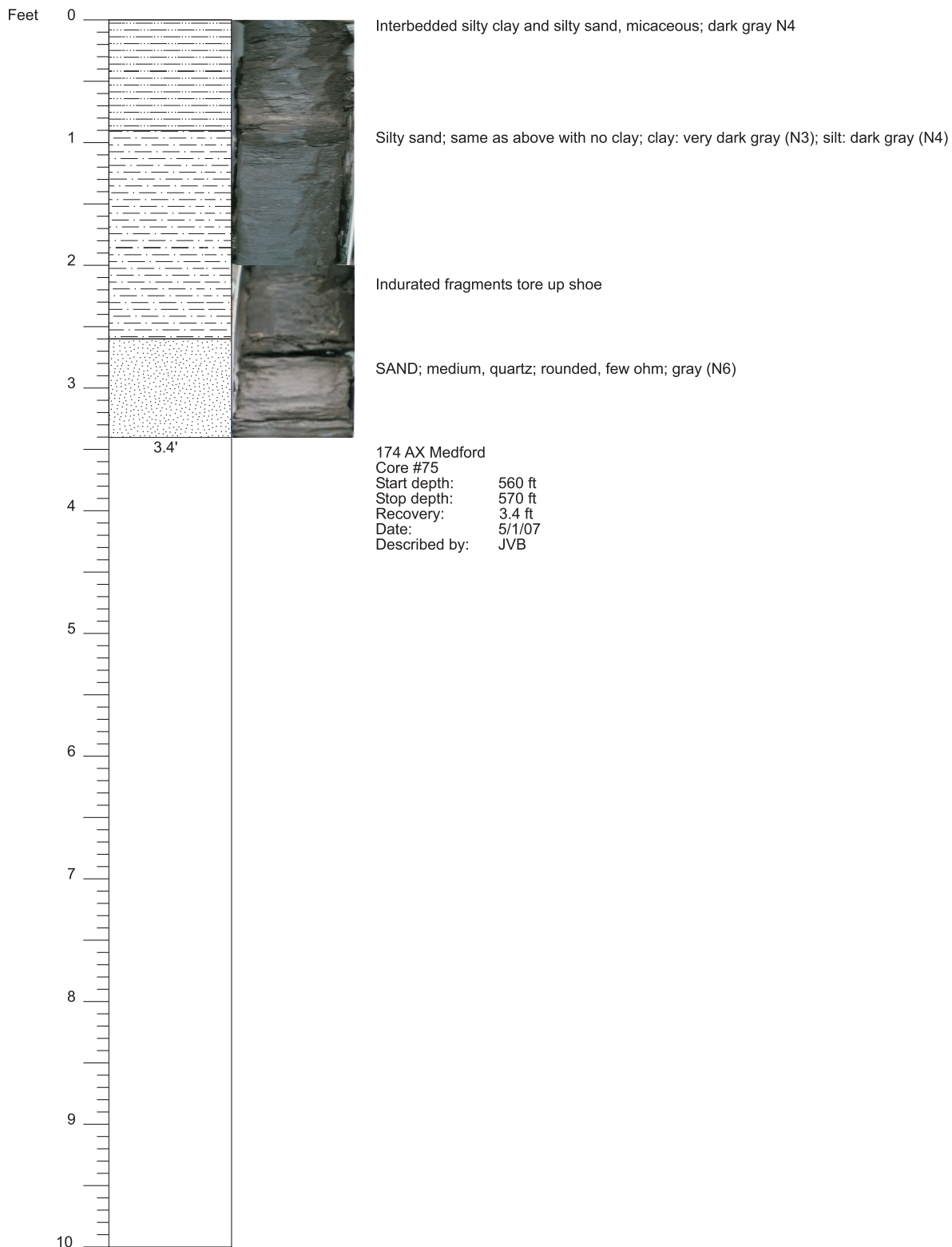
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

74



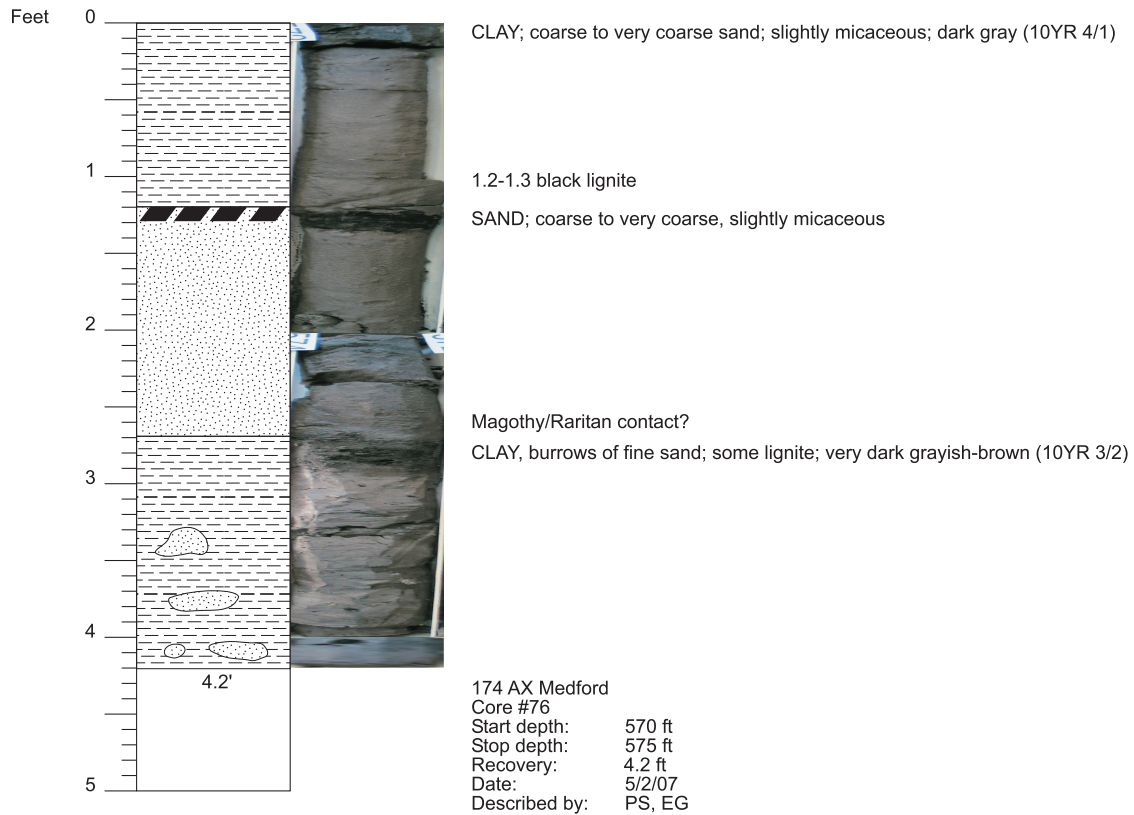
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

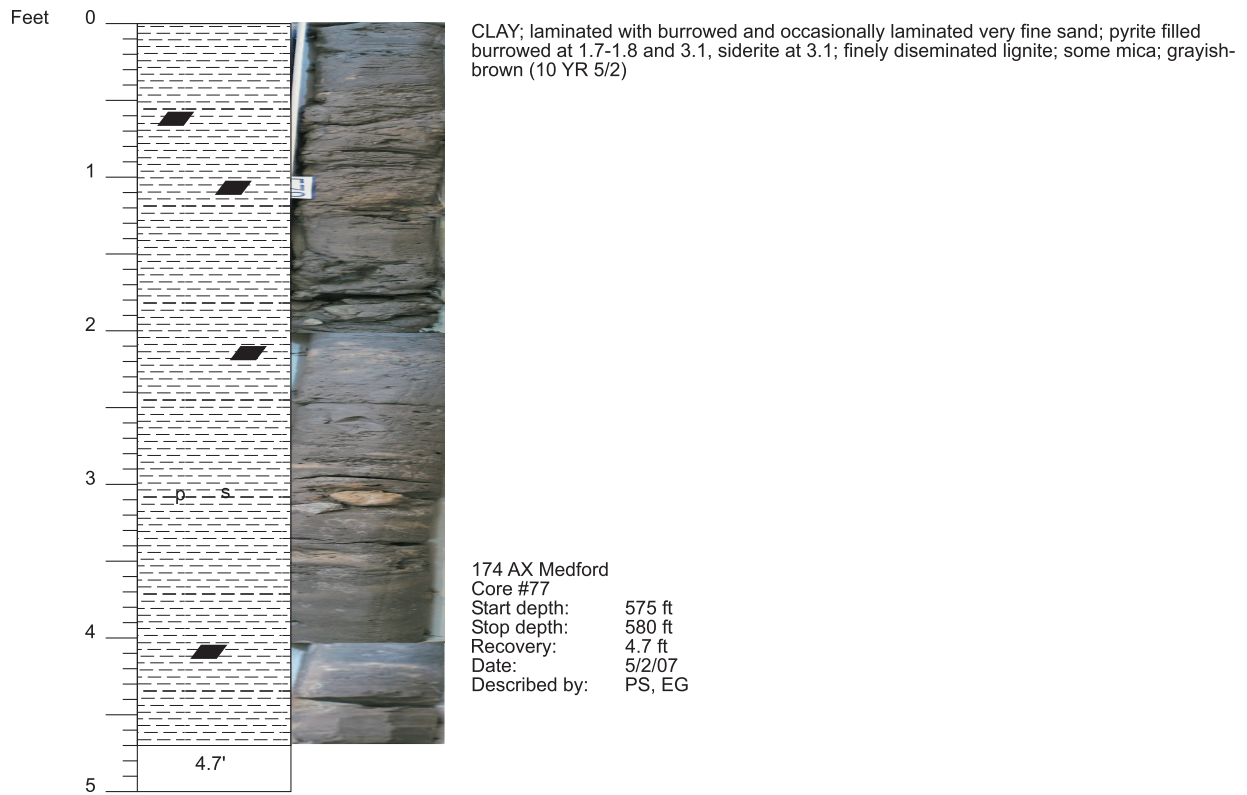
76



CORE DESCRIPTIONS

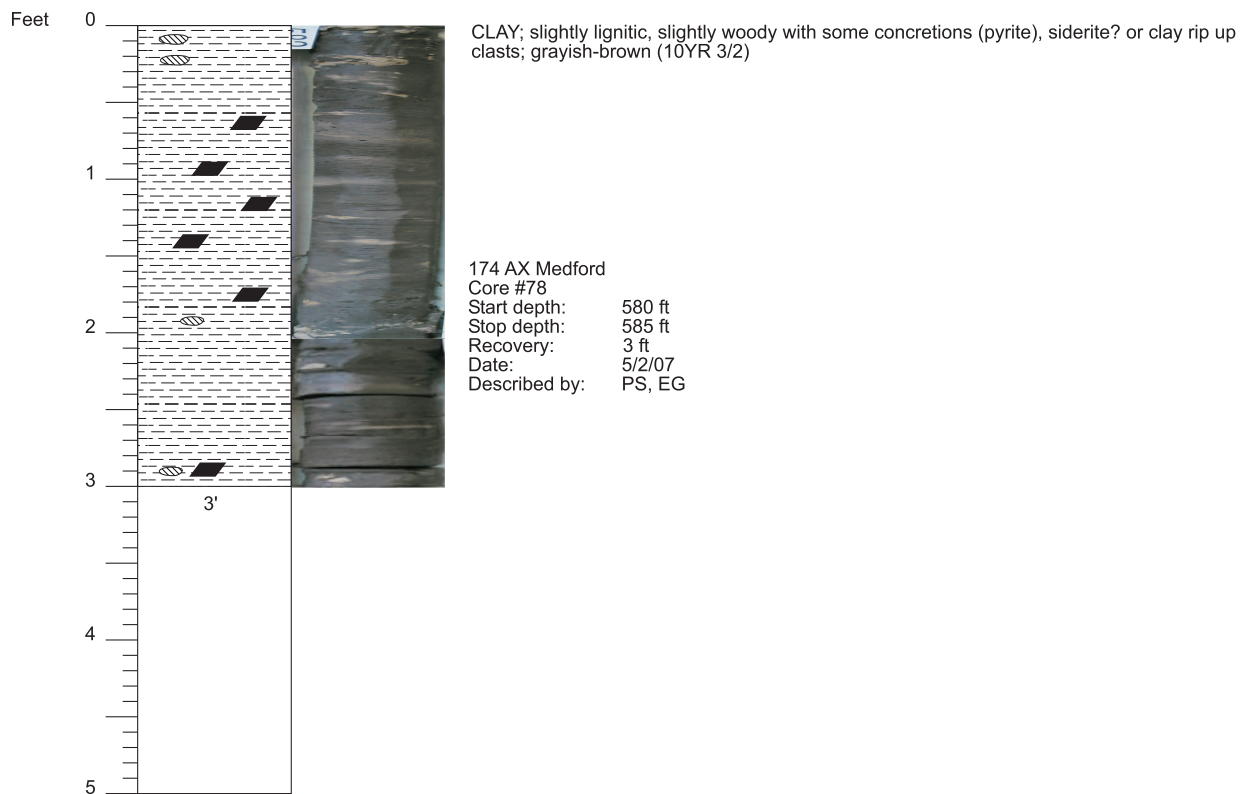
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

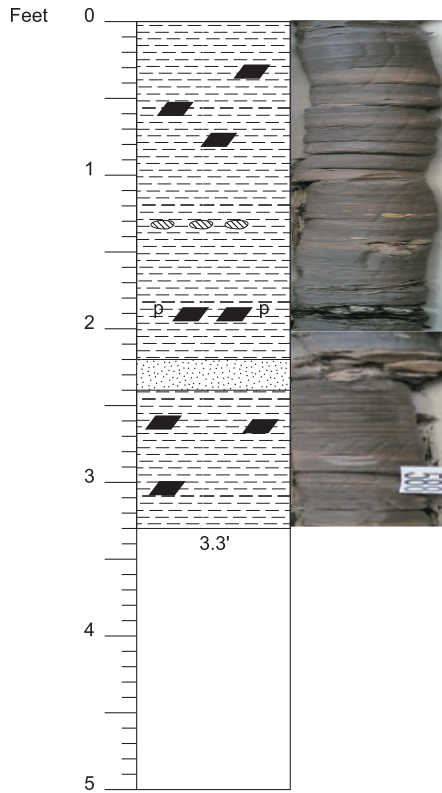
78



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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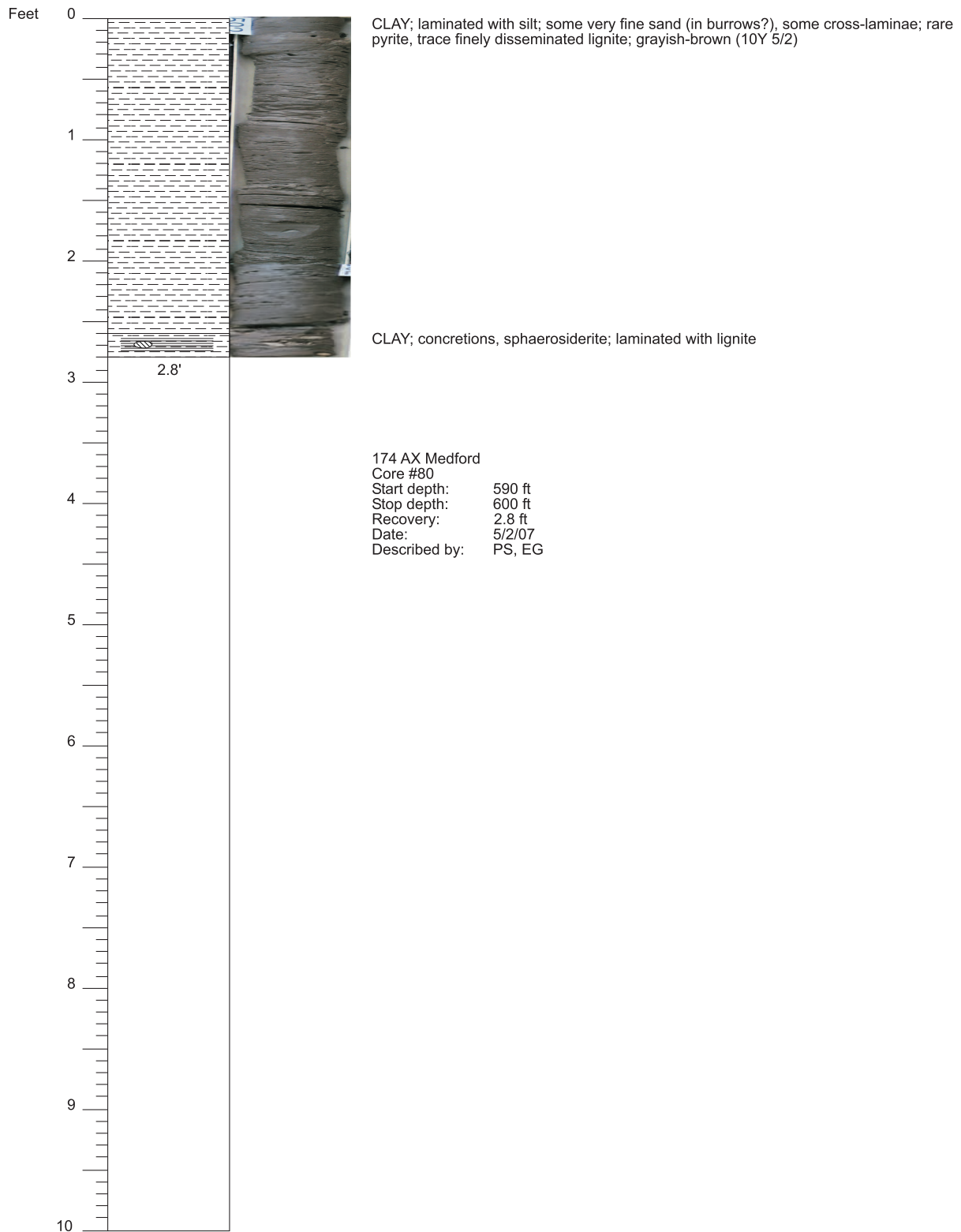


CLAY; laminated, variegated; lignitic in fine flakes; concretions, sideite or clay chips; 1.8-1.9 pyrite and lignite; 2.2-2.4 rock, light brown shale; dark gray (10YR 4/1) and dark grayish brown (10YR 4/2)

174 AX Medford
Core #79
Start depth: 585 ft
Stop depth: 590 ft
Recovery: 3.3 ft
Date: 5/2/07
Described by: PS, EG

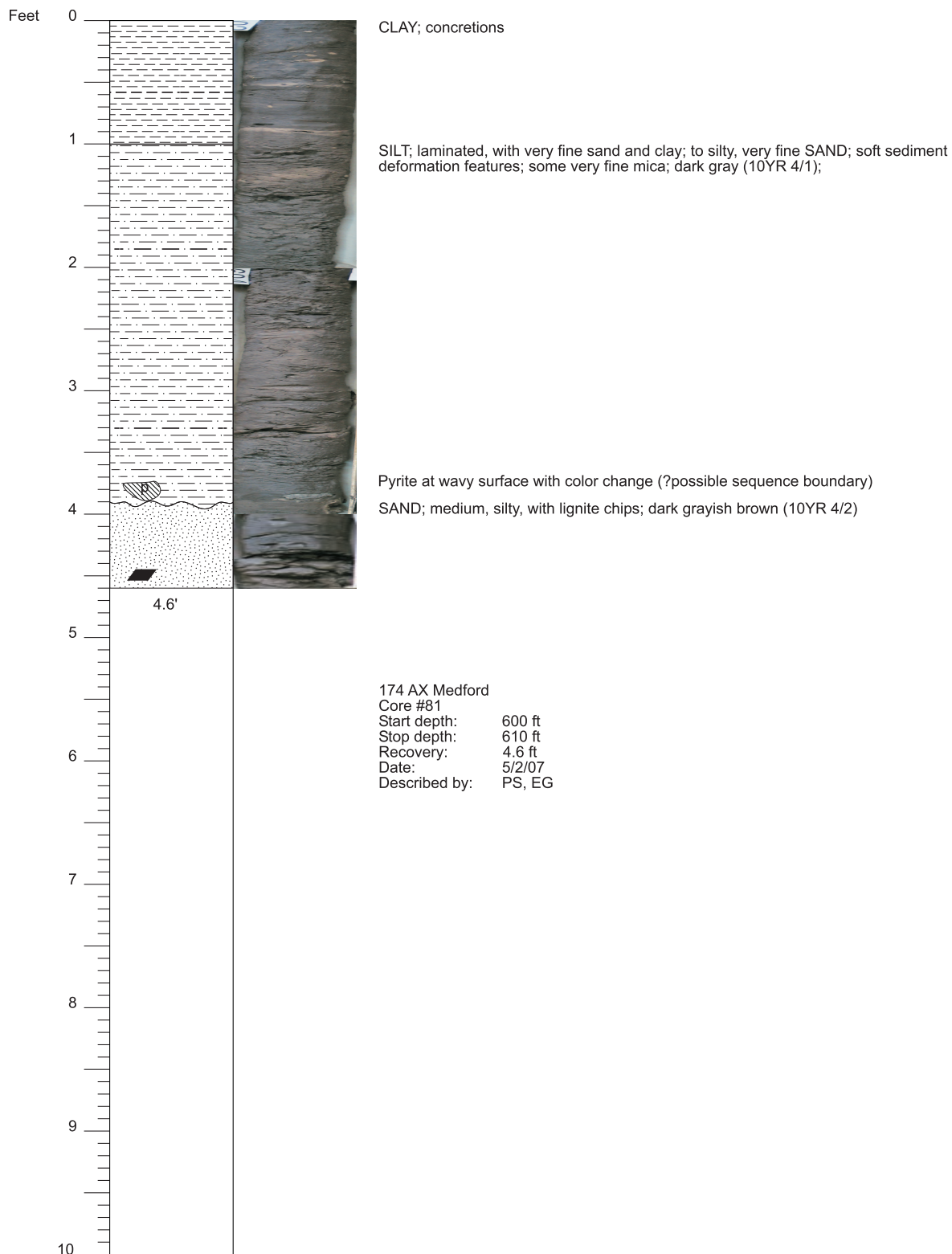
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

80



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

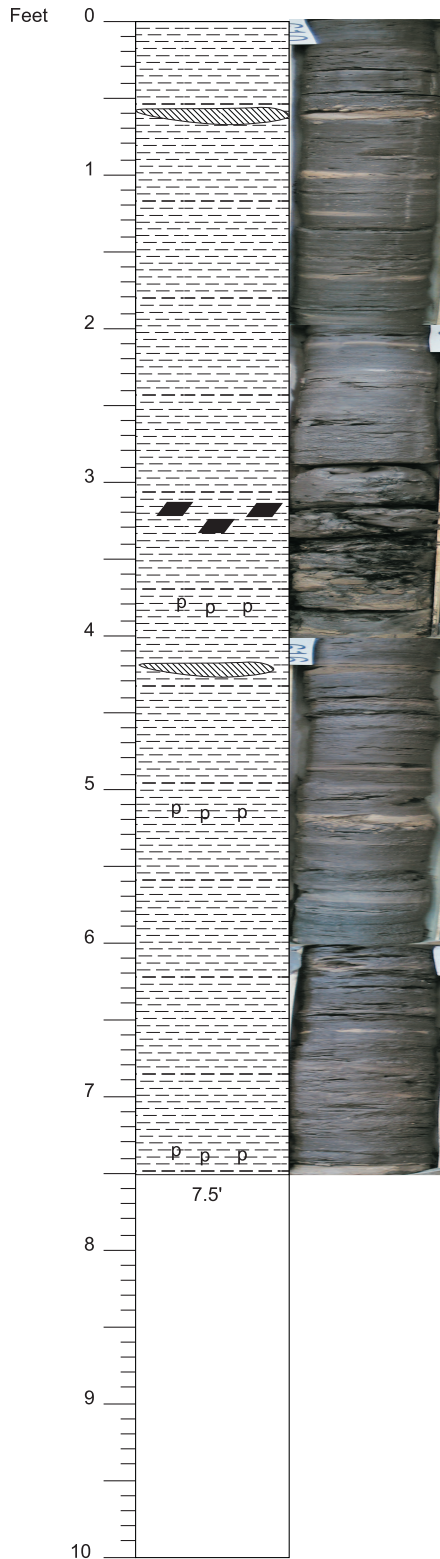
81



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

82

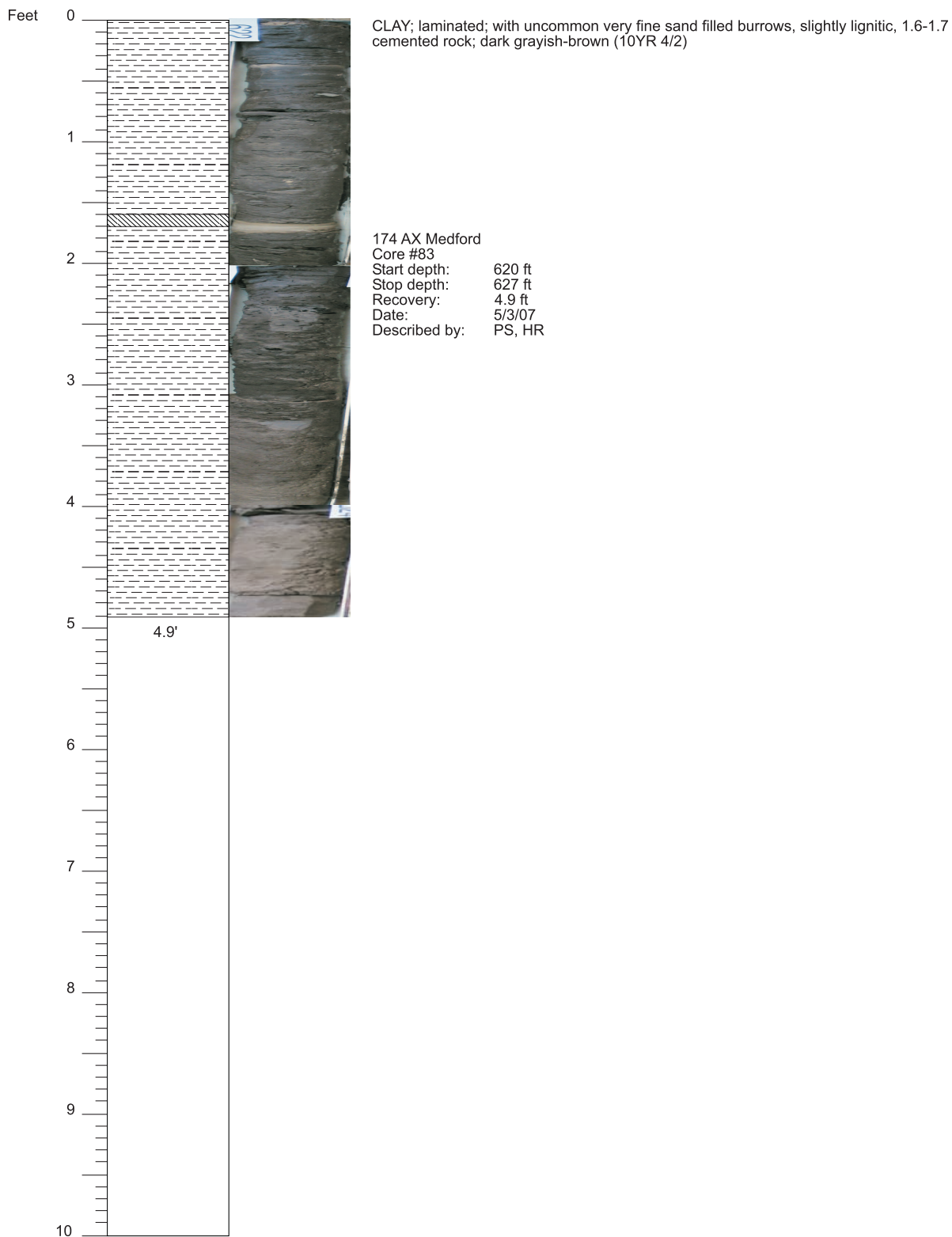


CLAY; silty; thin-bedded to laminated, with thin very fine sand stringers; 3.2-3.5 lignitic silty fine sand; siderite or pyrite at 3.8-3.9, 5.2-5.3, and 7.4-7.5; concretions at 0.5 and 4.3; very dark gray (10YR 3/1)

174 AX Medford
Core #82
Start depth: 610 ft
Stop depth: 620 ft
Recovery: 7.5 ft
Date: 5/2/07
Described by: PS, EG

CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

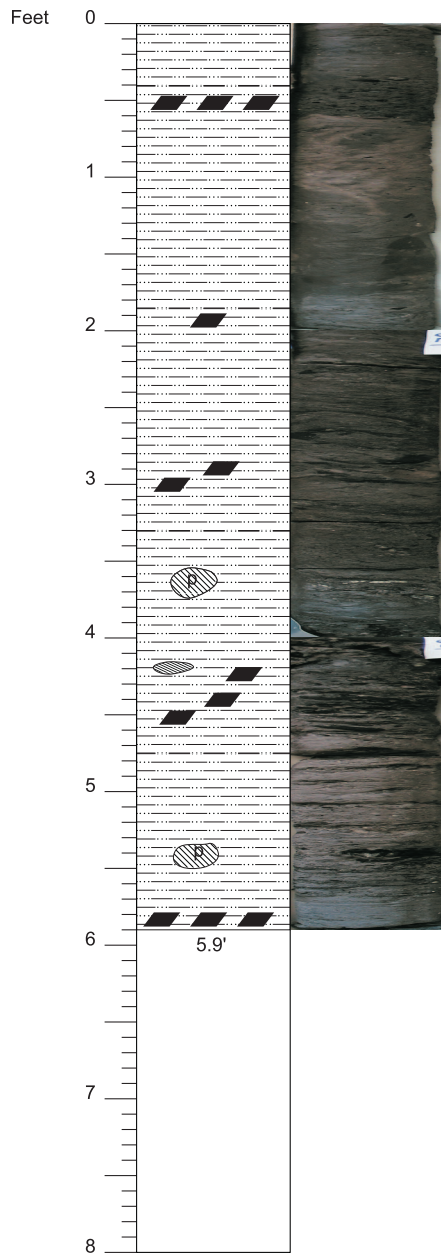
83



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

84

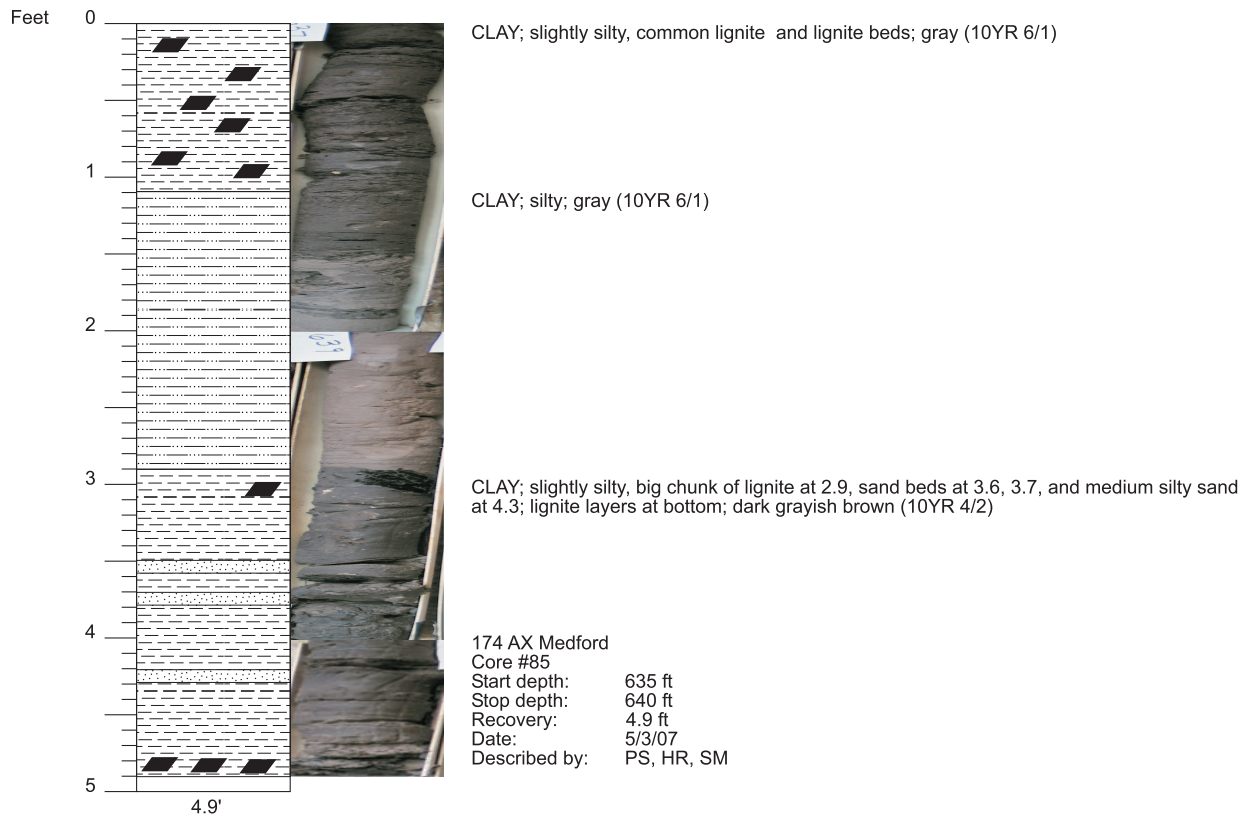


SILT; clayey; some clay beds, very lignitic, one silty very fine sand bed; lignite is in cross-laminae or beds; pyrite at 3.6, 4.2, 5.3; dark grayish brown (10YR 4/2)

174 AX Medford
Core #84
Start depth: 627 ft
Stop depth: 635 ft
Recovery: 5.9 ft
Date: 5/3/07
Described by: PS, HR, SM

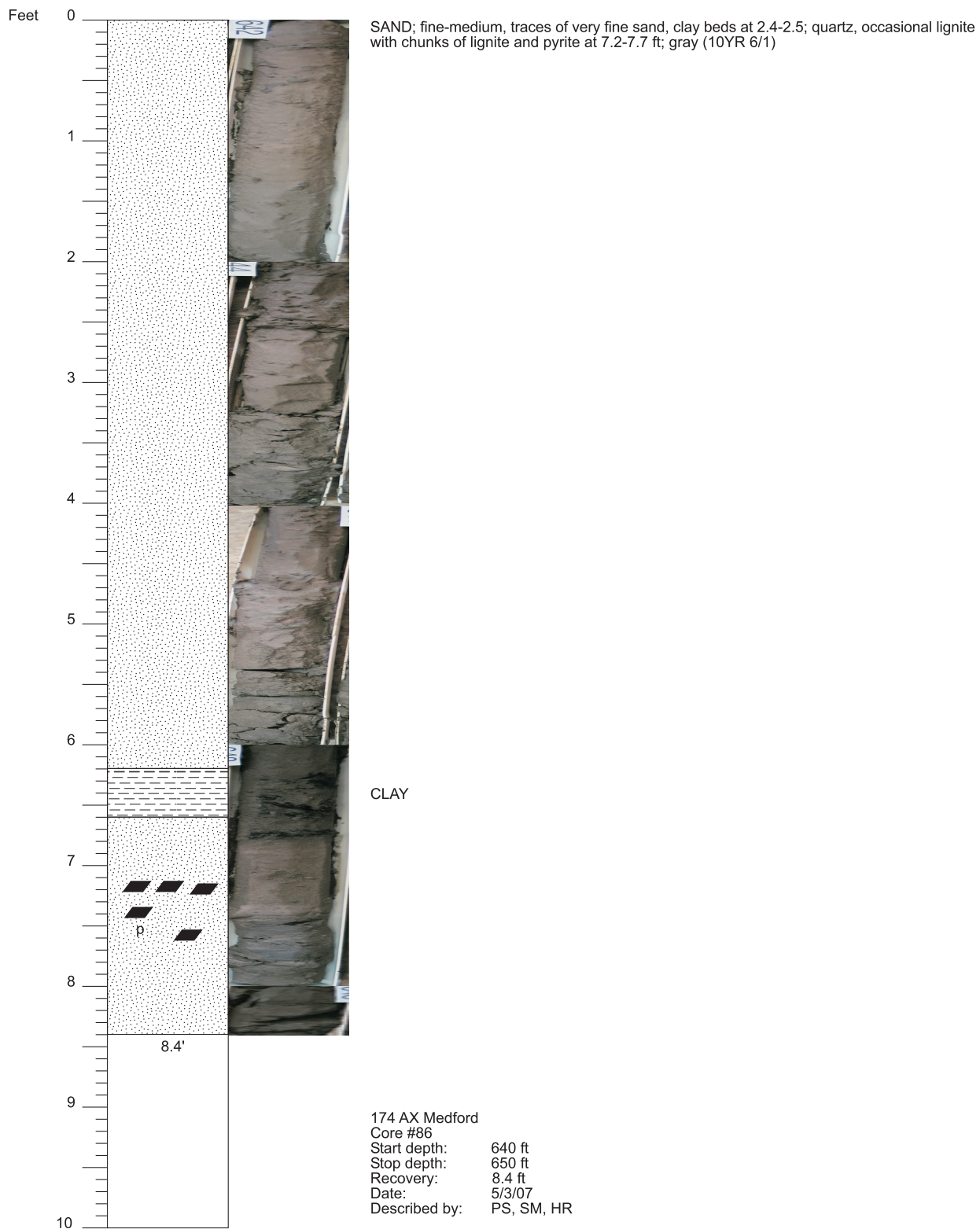
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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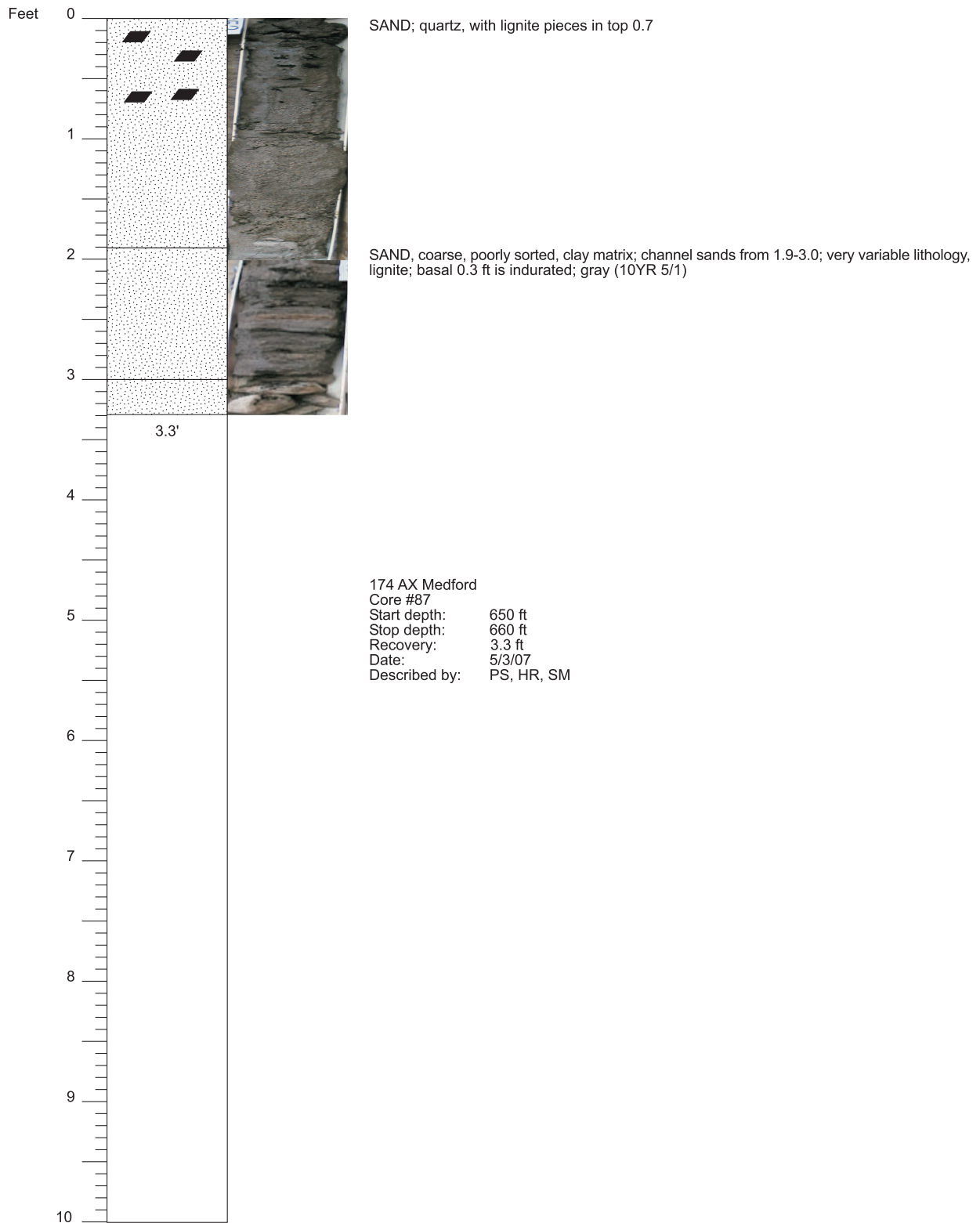
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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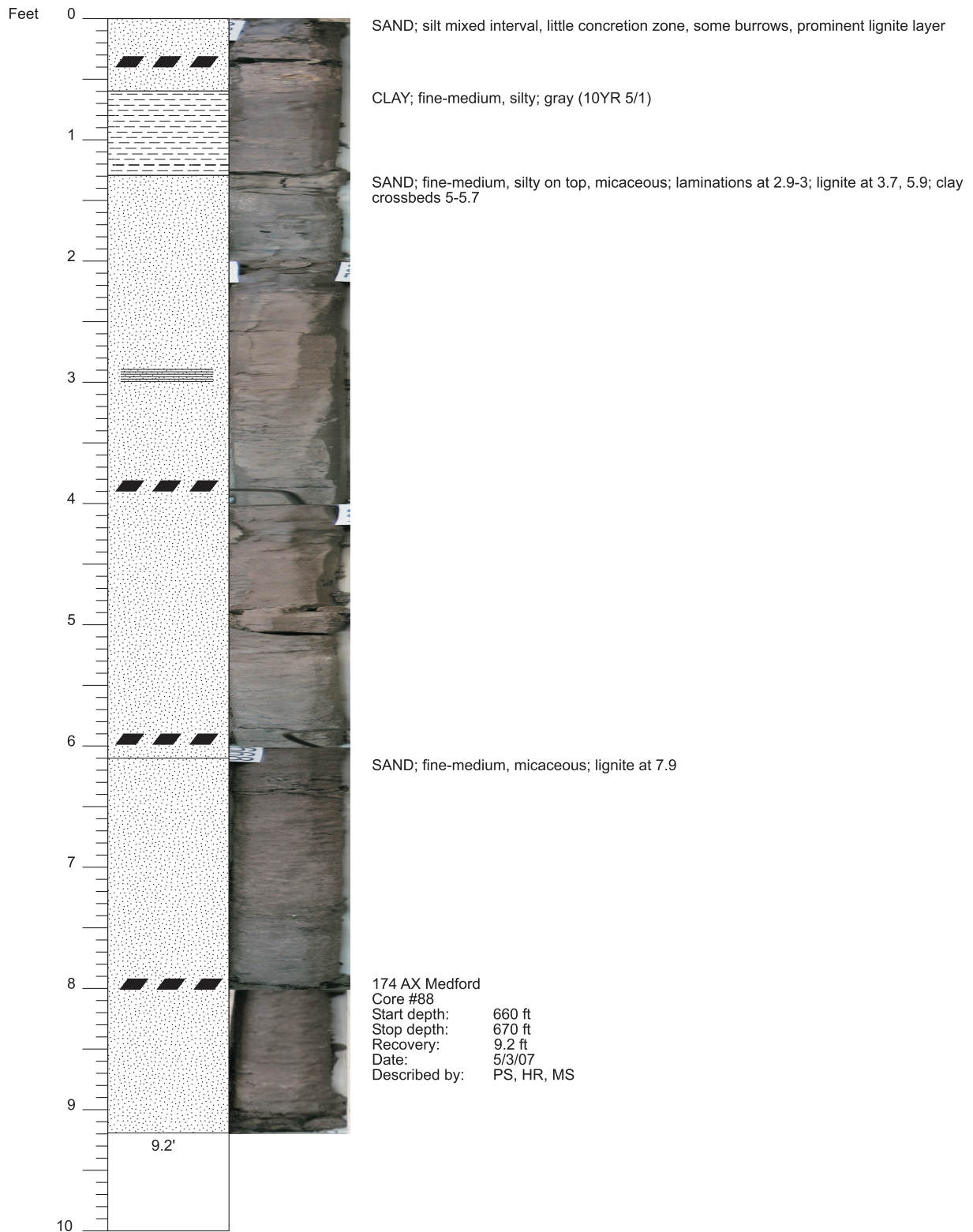
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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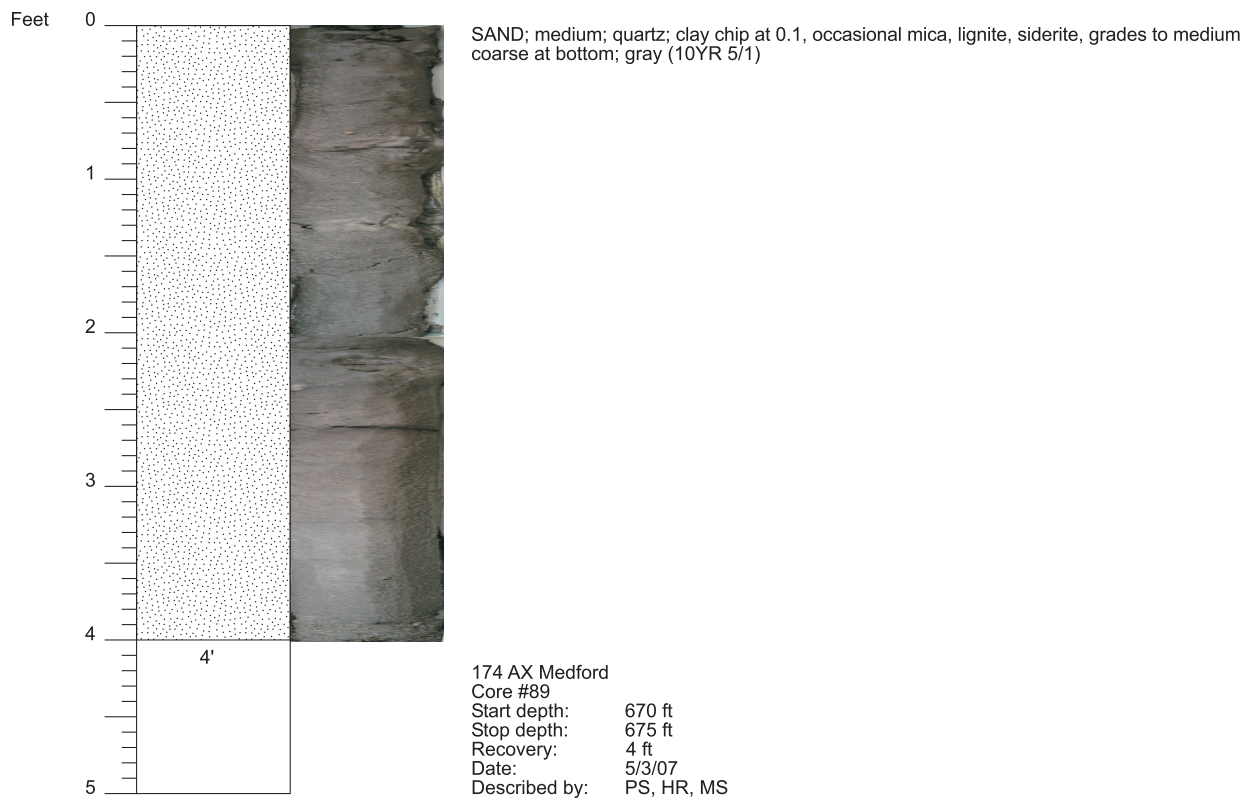
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

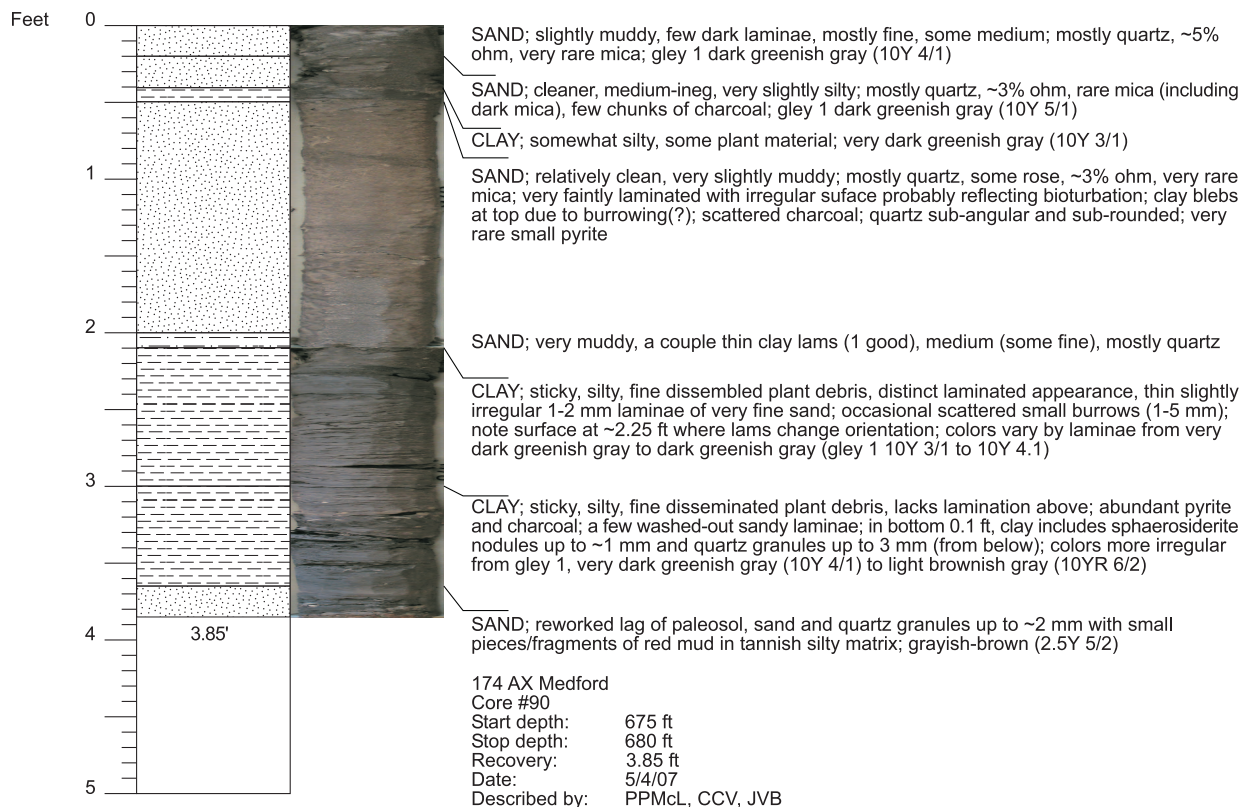
89



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

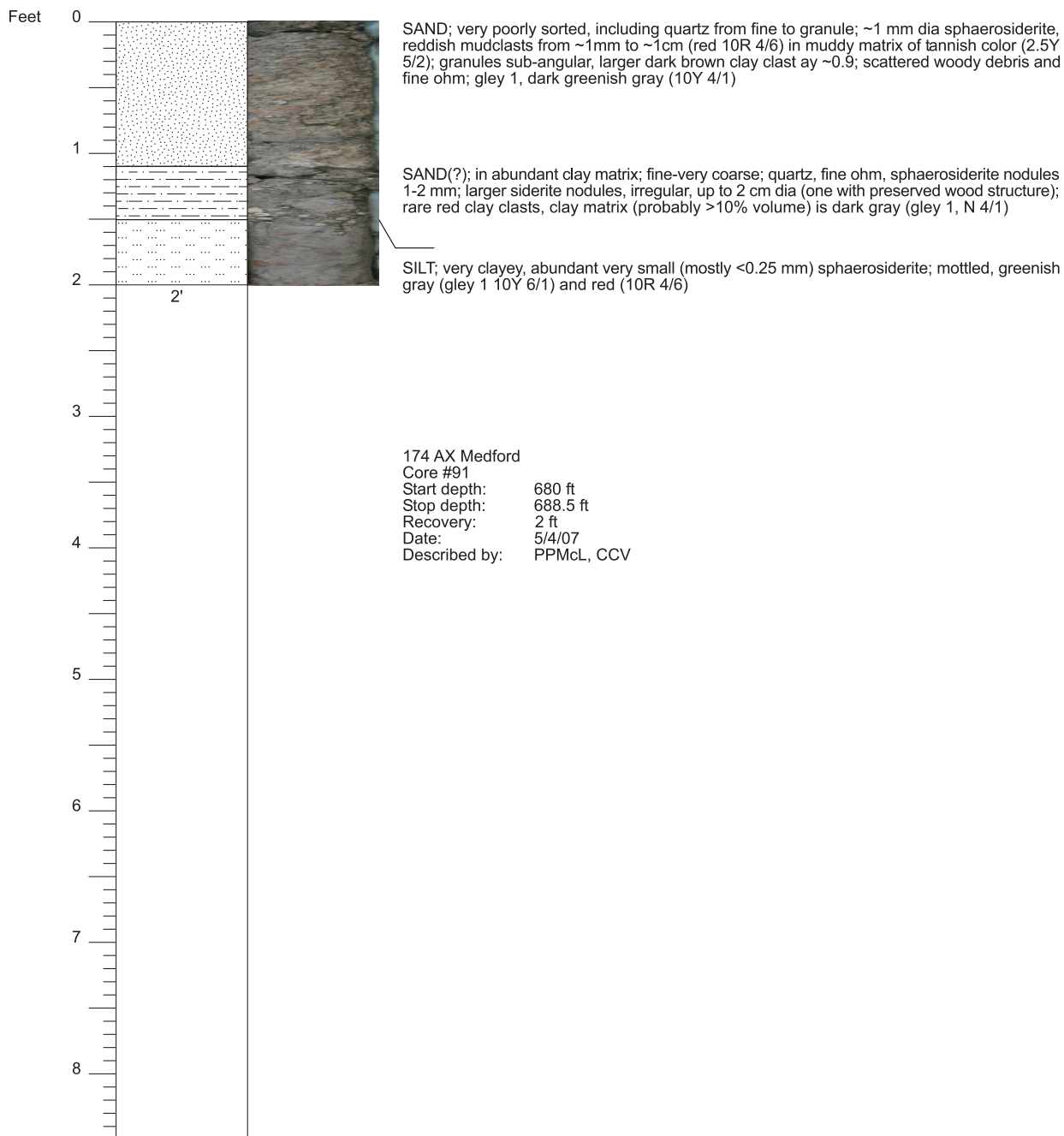
90



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

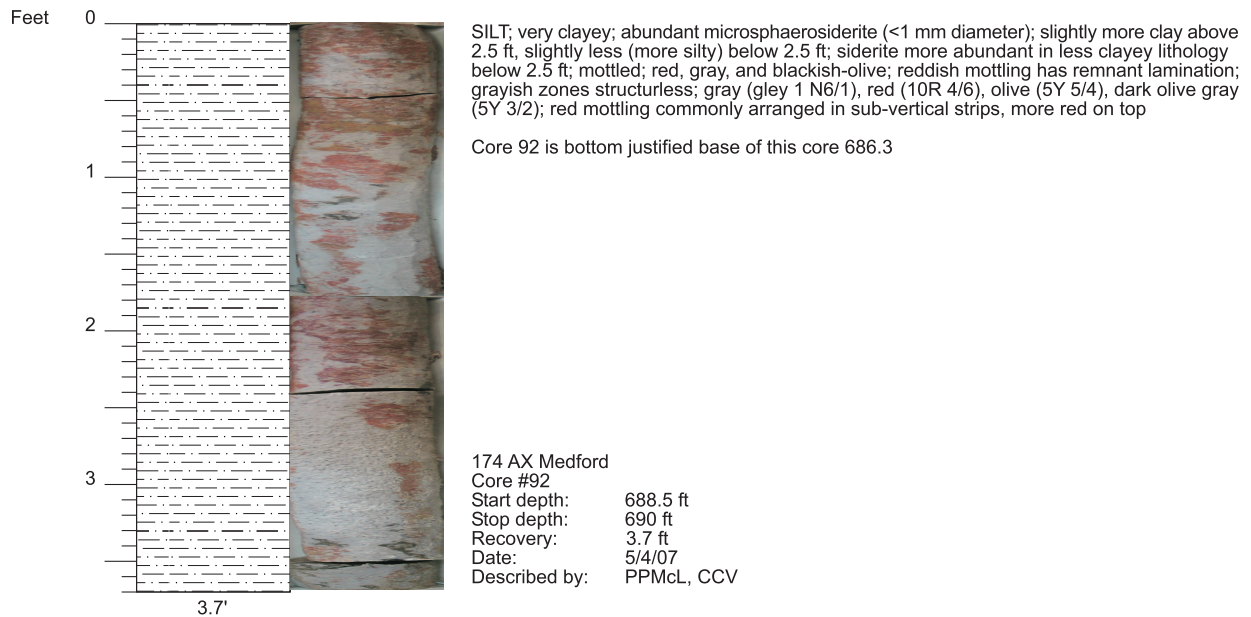
91



CORE DESCRIPTIONS

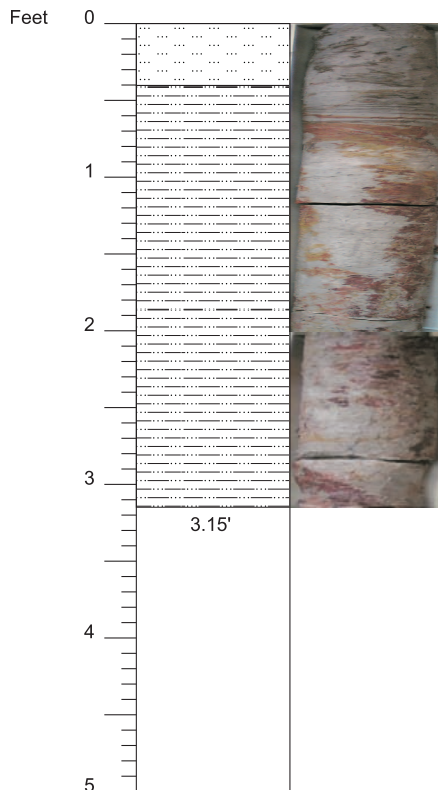
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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SILT; clayey, microsphaerosiderite; greenish gray (gley 1 10 Y 5/1); mottled dark olive gray (5Y 3/2); blackish mottled

CLAY; silty; microsphaerosiderite; greenish gray (gley 1 10 Y 5/1); silt at bottom; bands of red (10R 4/6), olive (5Y 5/4); dark olive gray (5Y 3/2) at top (0.5-2 mm thick); hematite starts appearing at 1.6 ft from top; red mottling ranges from weak red (10R 4/2) to (10R 4/1), some mottling olive (5Y 5/6); manganese-iron concretions?, blackish mottle 0.3 ft from bottom

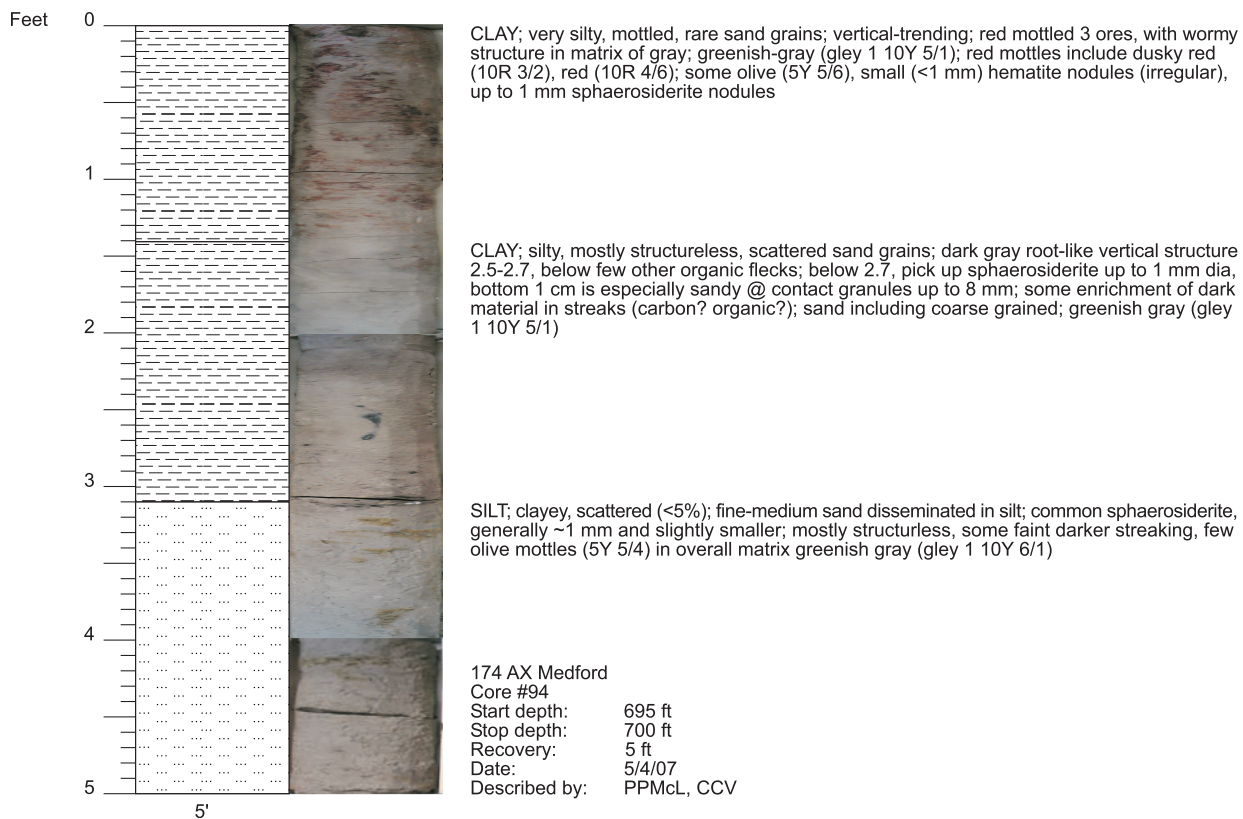
Bands become distorted 0.62 ft from top, mottling shows vertical orientation from 0.62 to bottom

174 AX Medford
 Core #93
 Start depth: 690 ft
 Stop depth: 695 ft
 Recovery: 3.5 ft
 Date: 5/4/07
 Described by: CCV

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

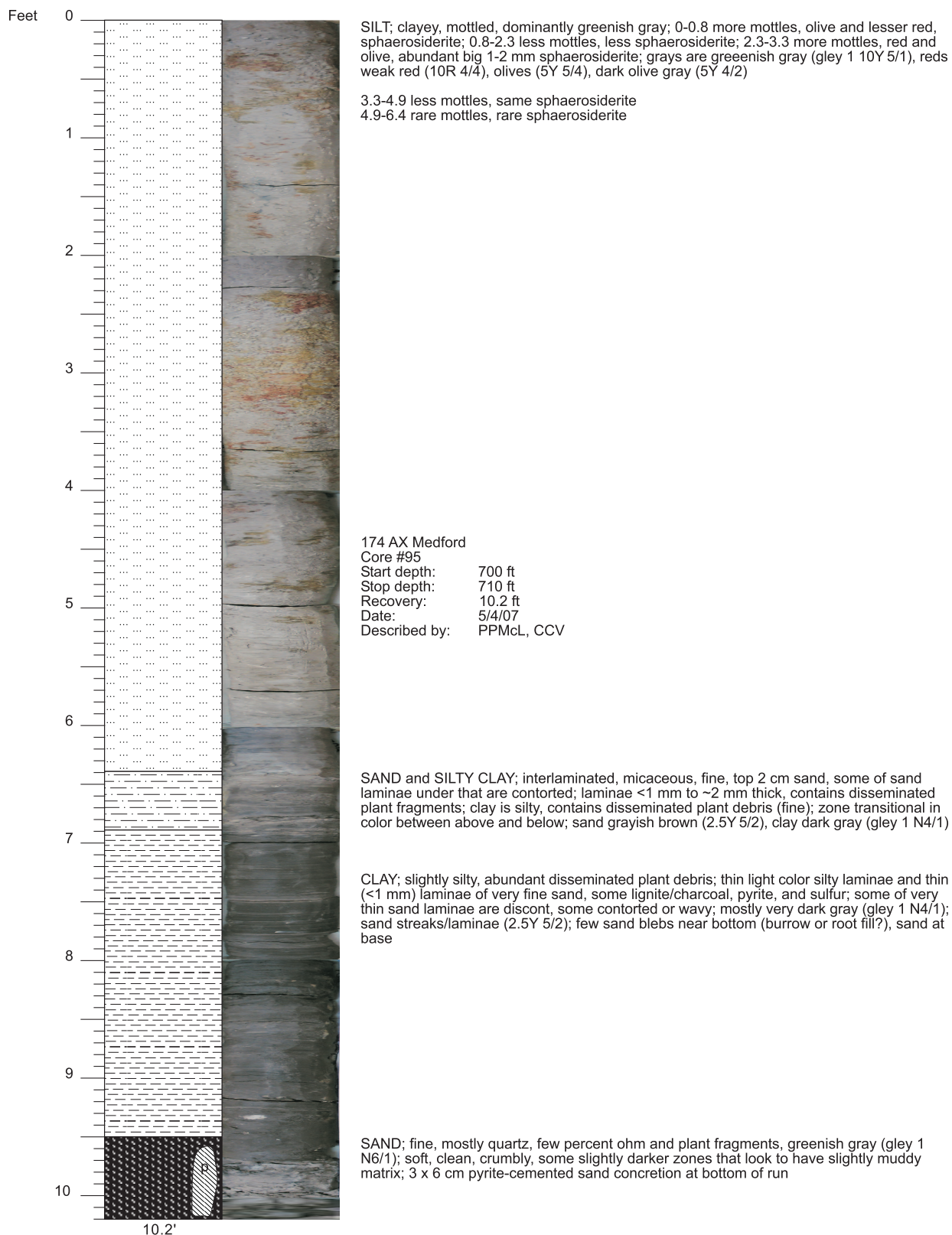
94



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

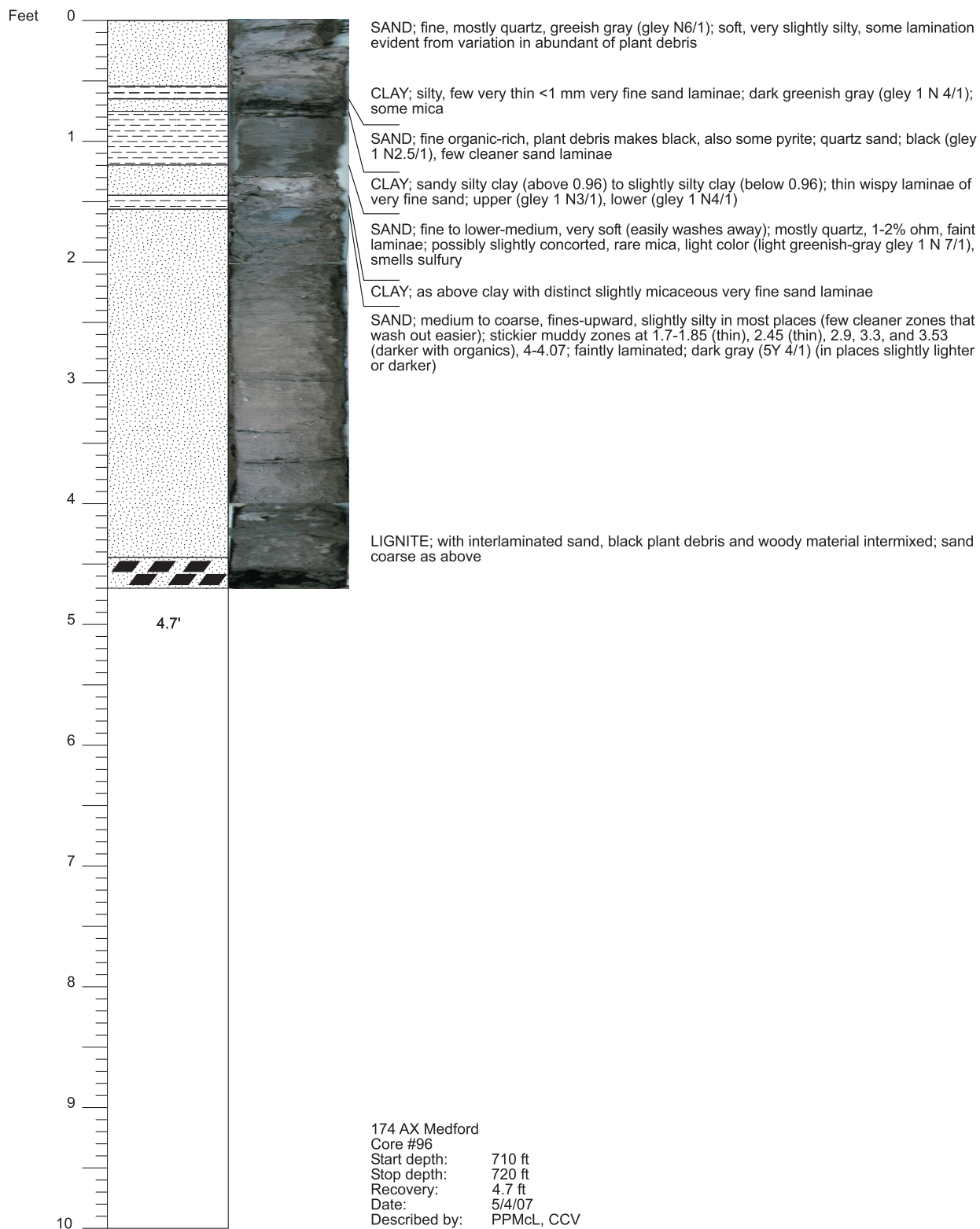
95



CORE DESCRIPTIONS

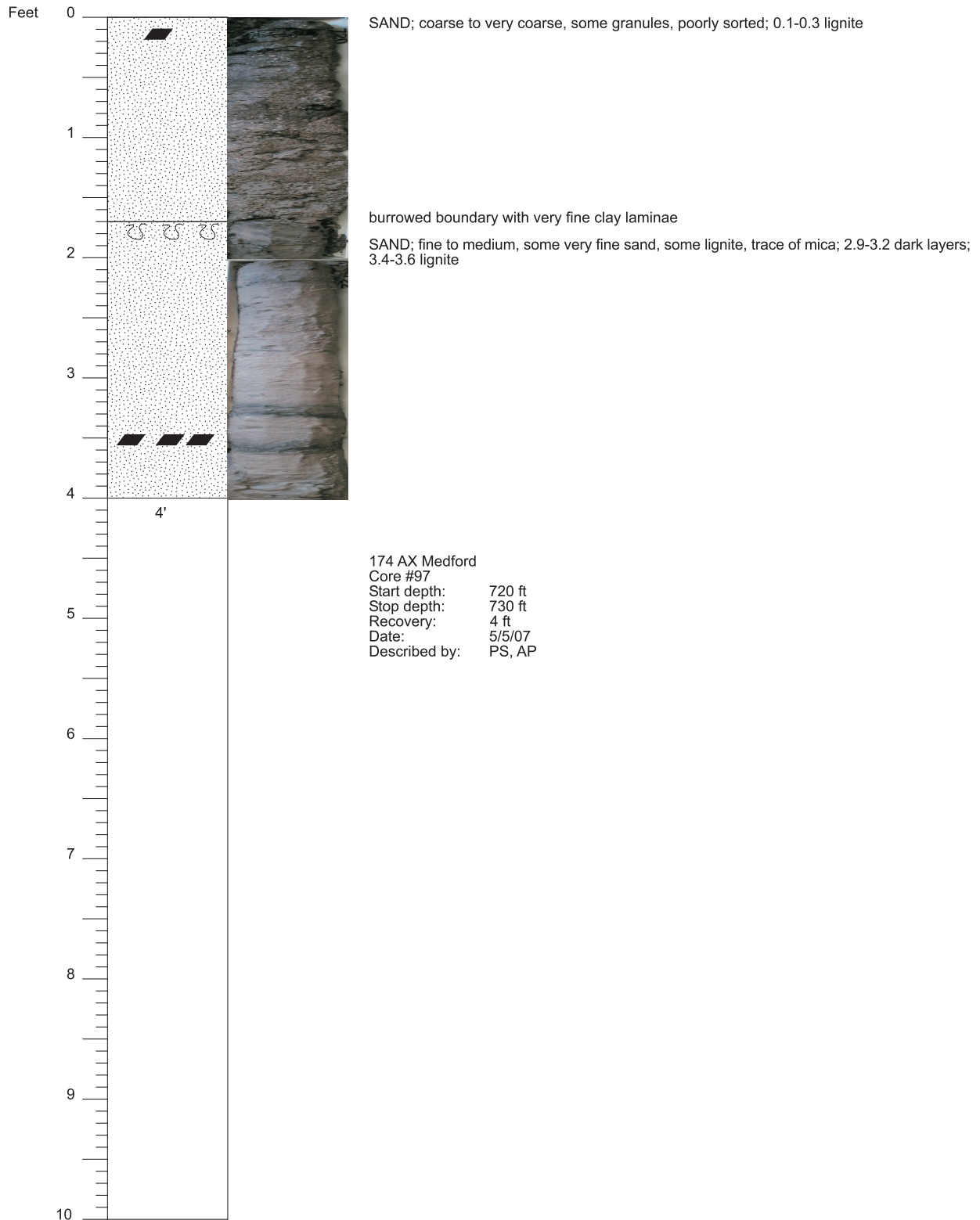
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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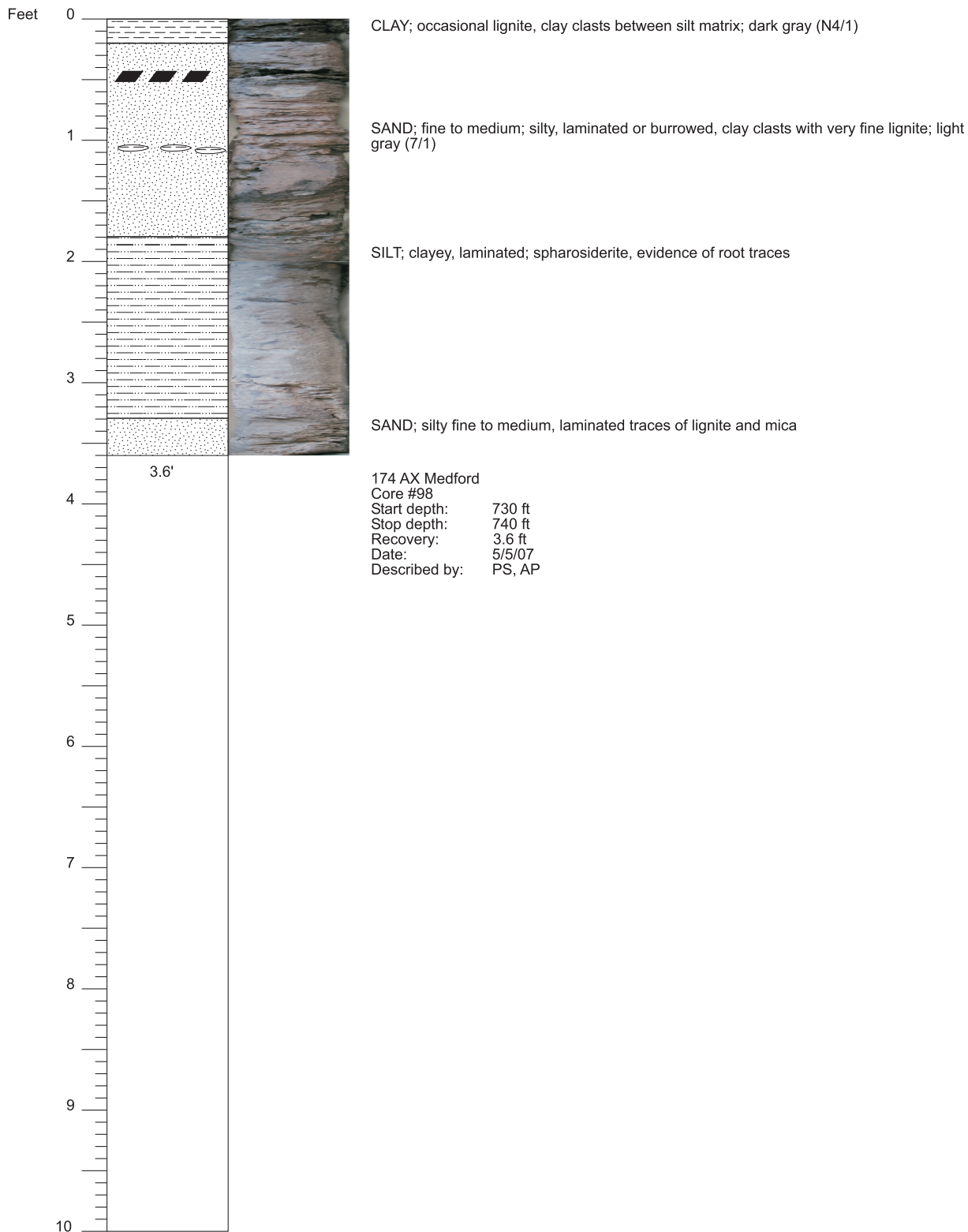
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

97



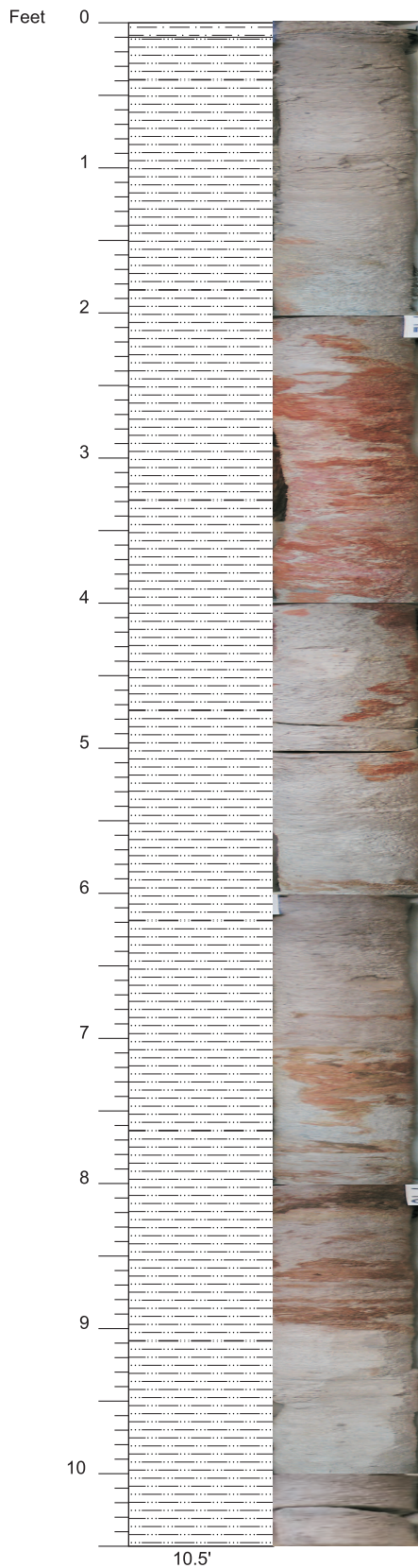
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

99



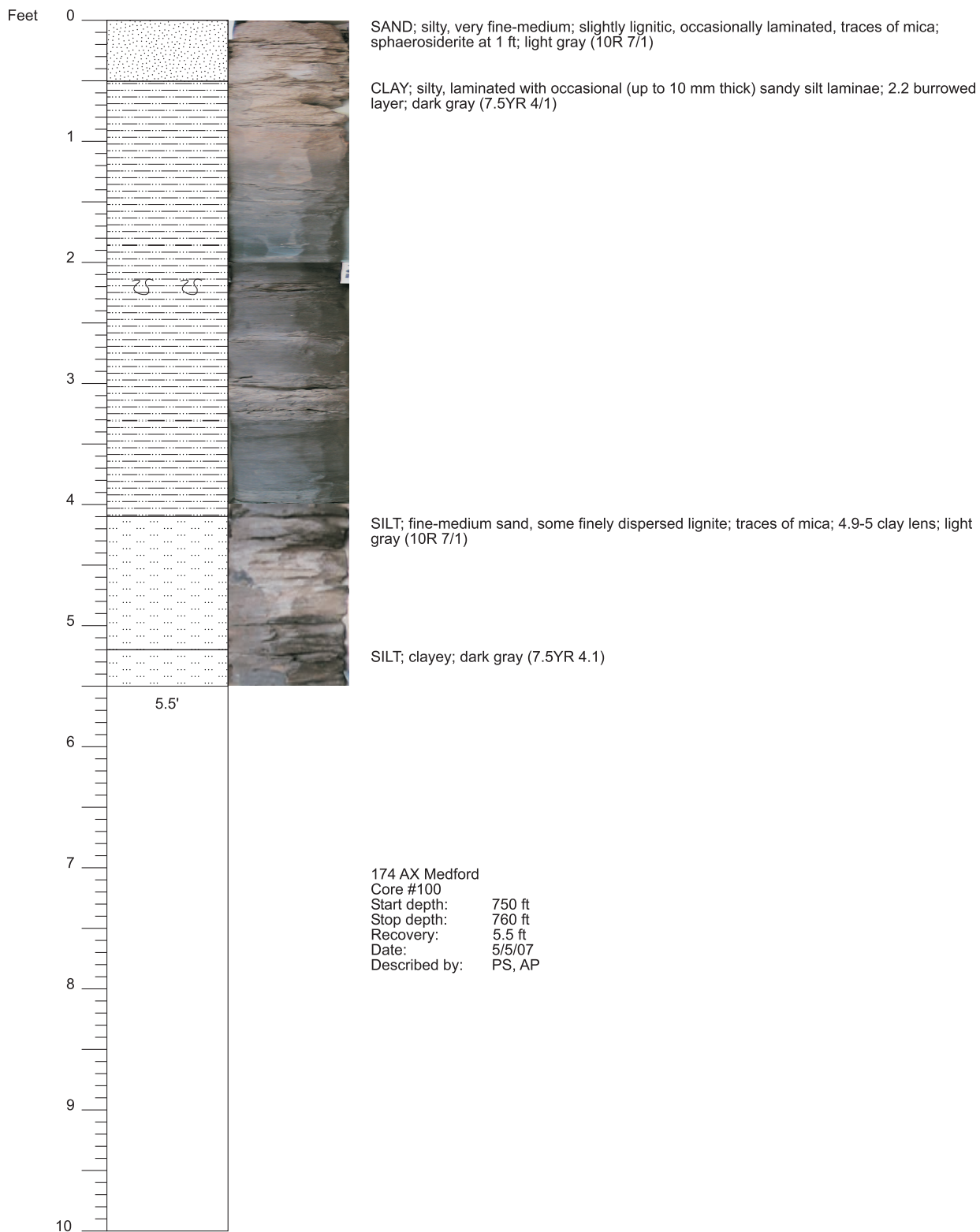
SAND; clayey

SILT; clayey with very fine sand; 1.5-2 sphaerosiderite, 3.9-4 fine sands with burrows; red (10R 4/6), red (10R 5/8), light gray (10R 7/1)

174 AX Medford
Core #99
Start depth: 740 ft
Stop depth: 750 ft
Recovery: 10.5 ft
Date: 5/5/07
Described by: PS, AP

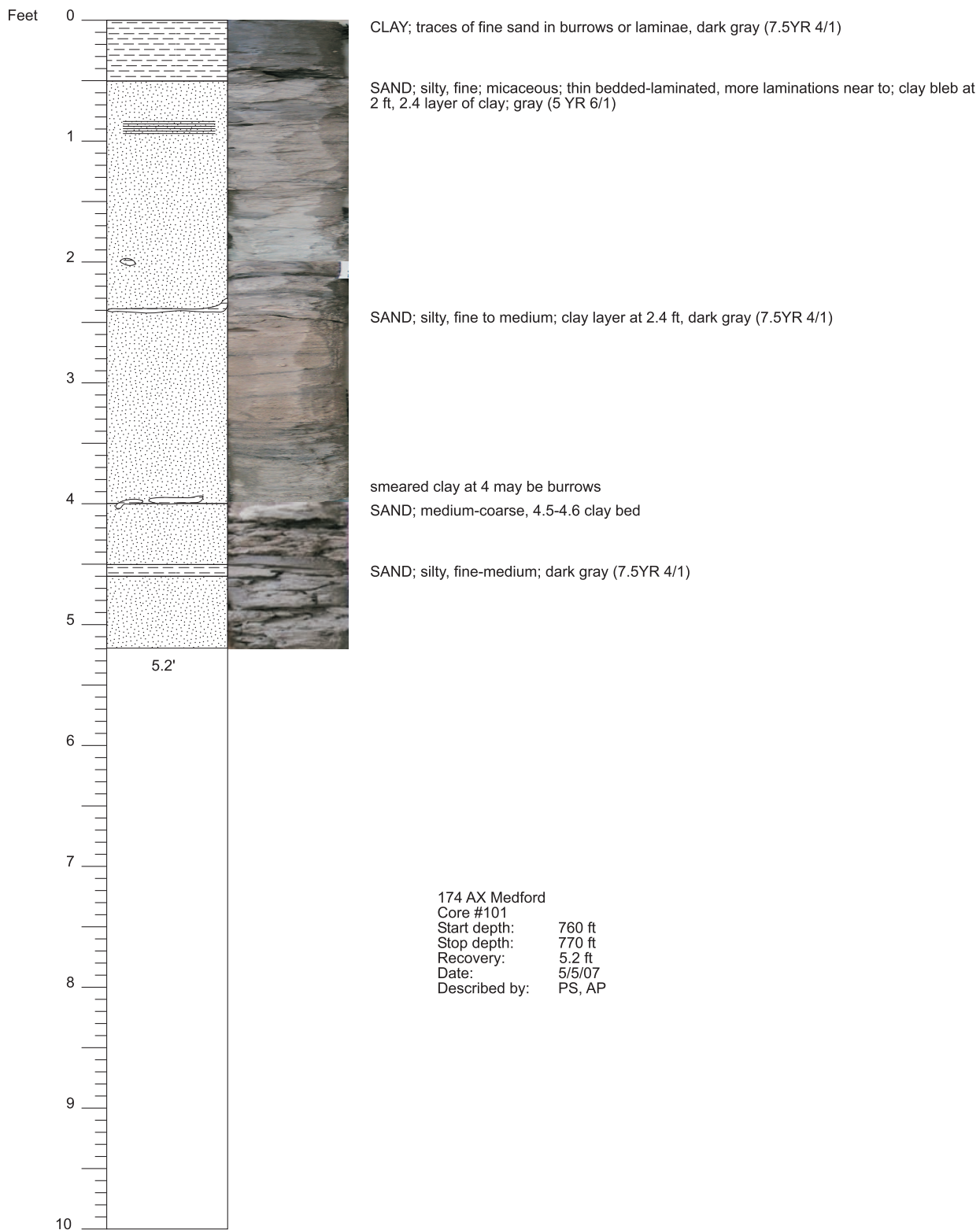
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

100



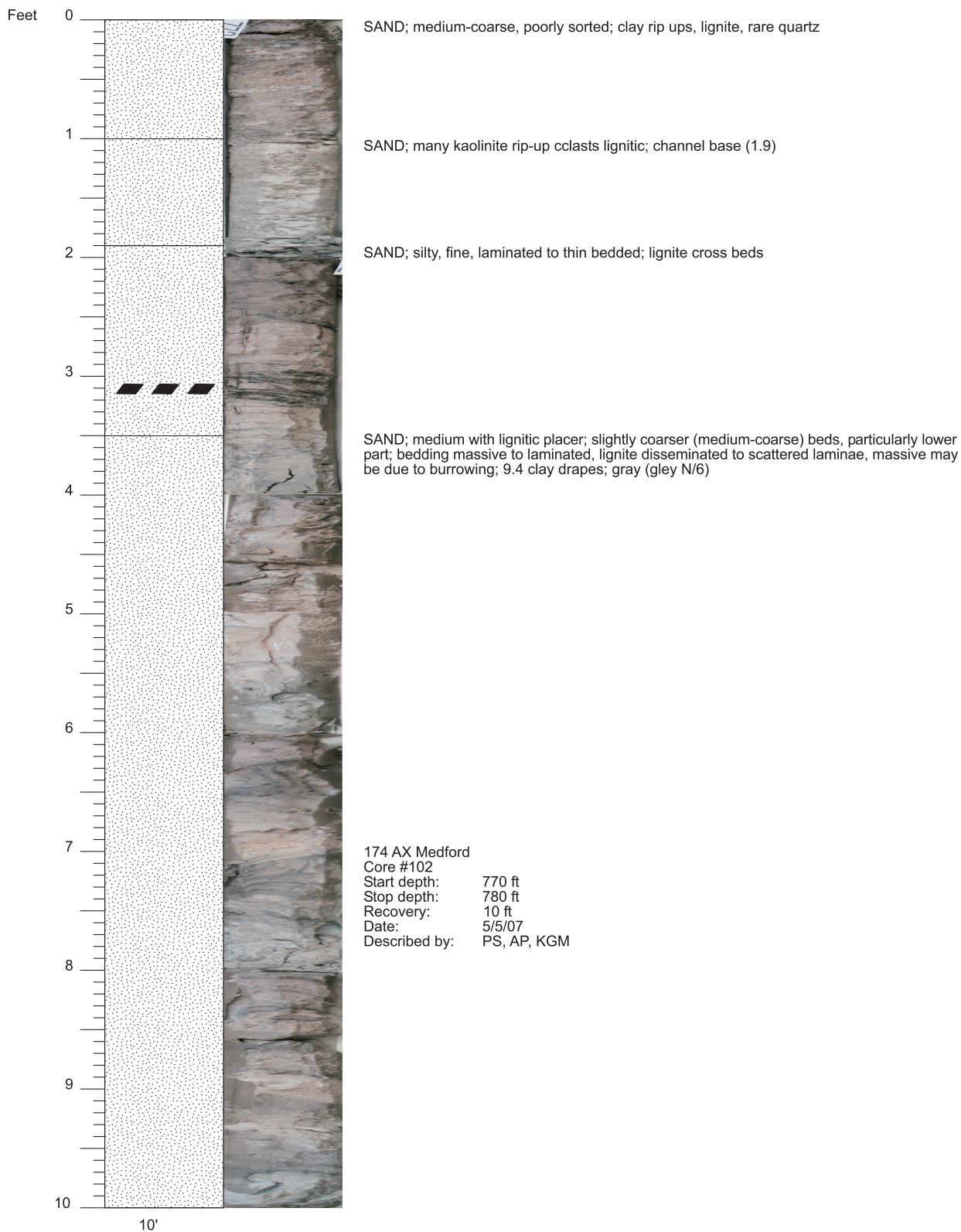
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

101



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

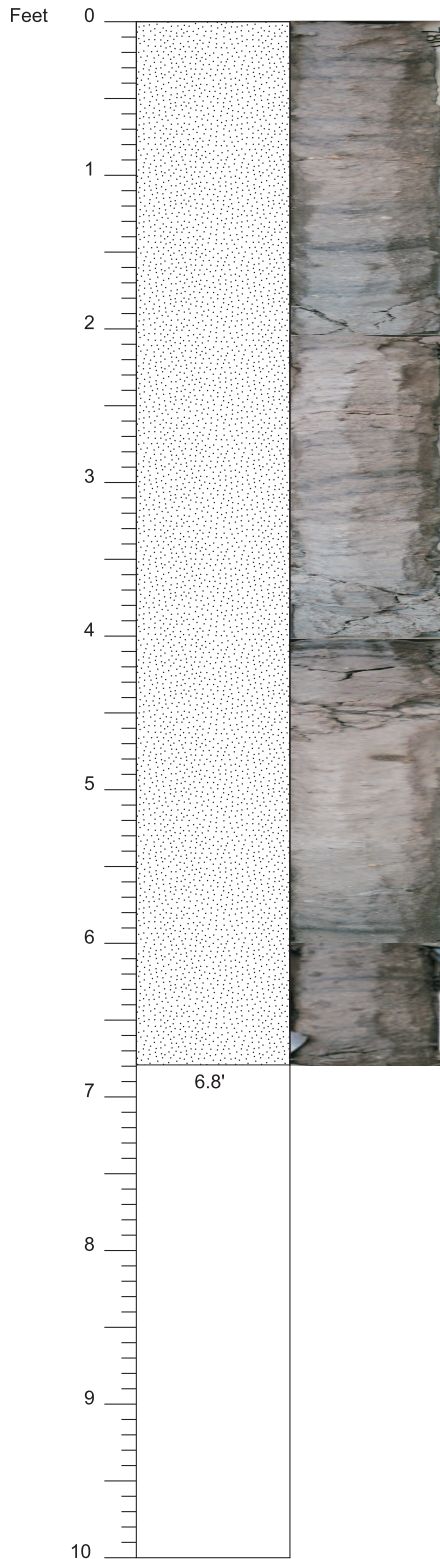
102



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

103

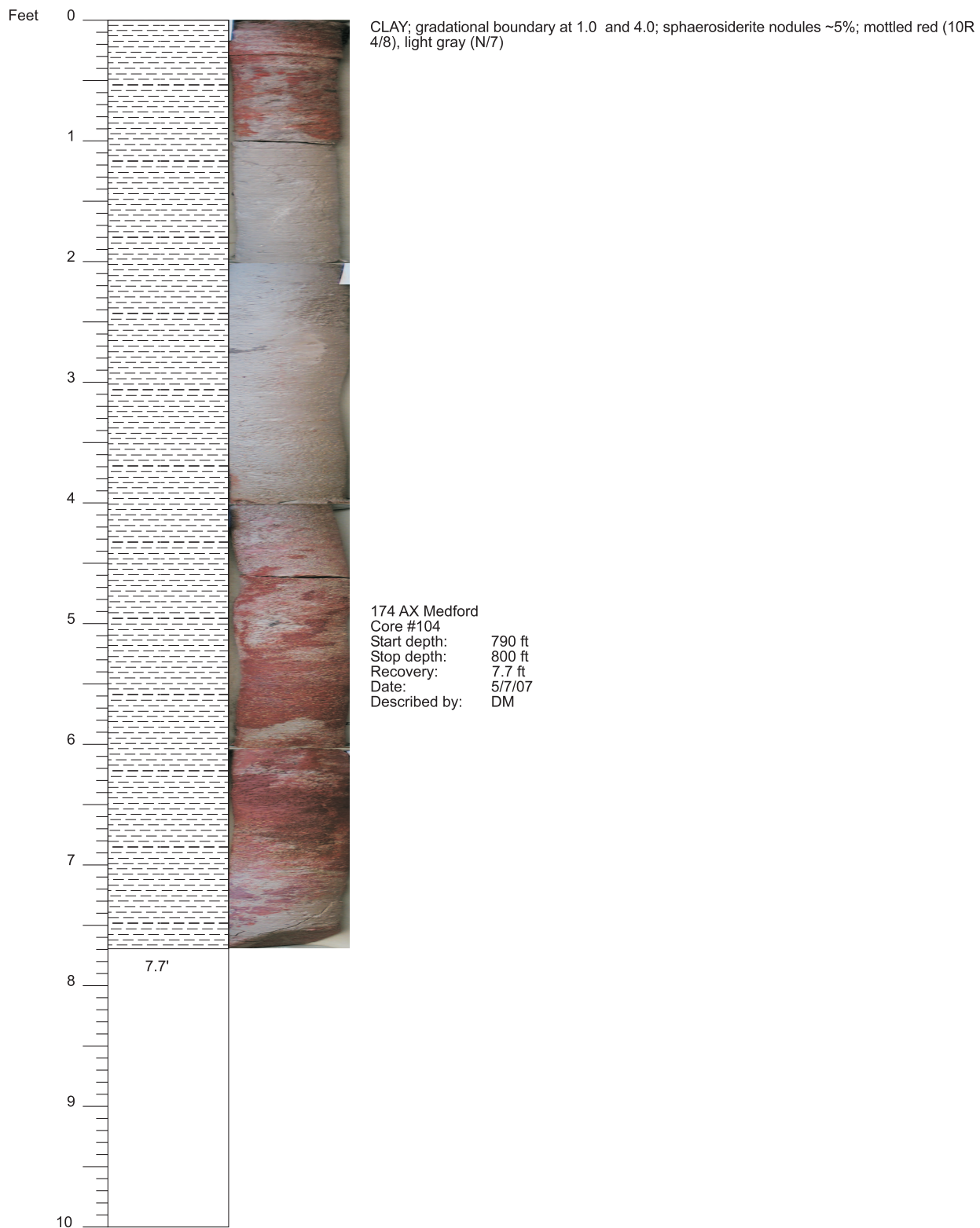


SAND; medium-coarse, some occasional lignite (1.9 especially), some cross-laminated; some very coarse sand at 5 ft; gray (10Y 6/1)

174 AX Medford
Core #103
Start depth: 780 ft
Stop depth: 790 ft
Recovery: 6.8 ft
Date: 5/5/07
Described by: PS, AP

CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

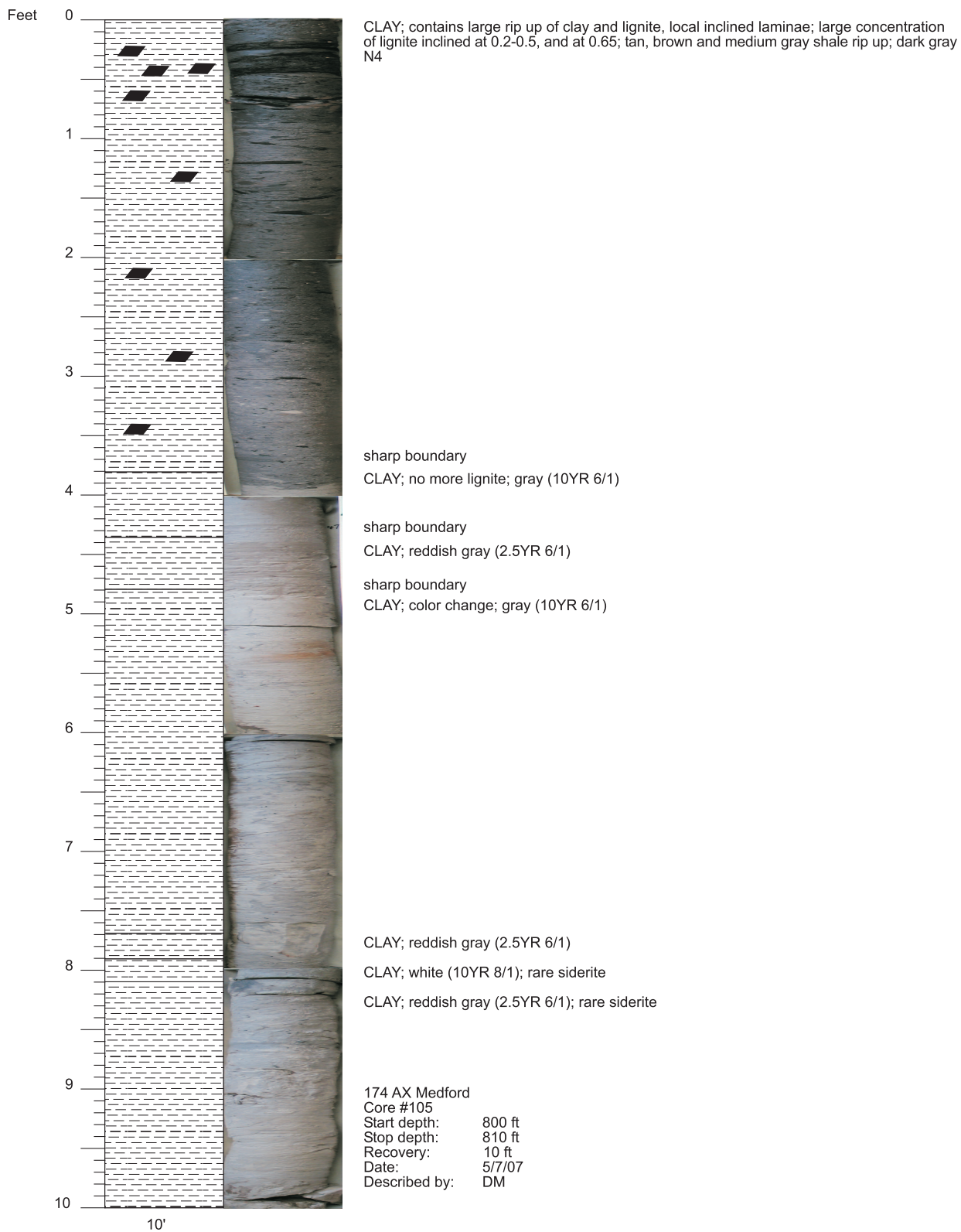
104



CORE DESCRIPTIONS

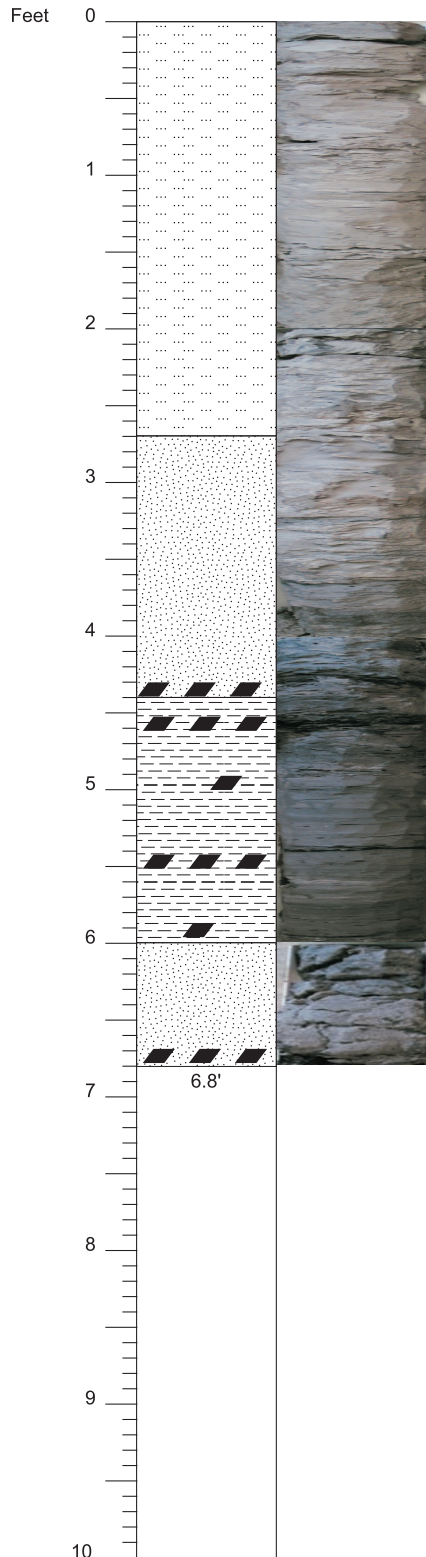
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

105



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

106



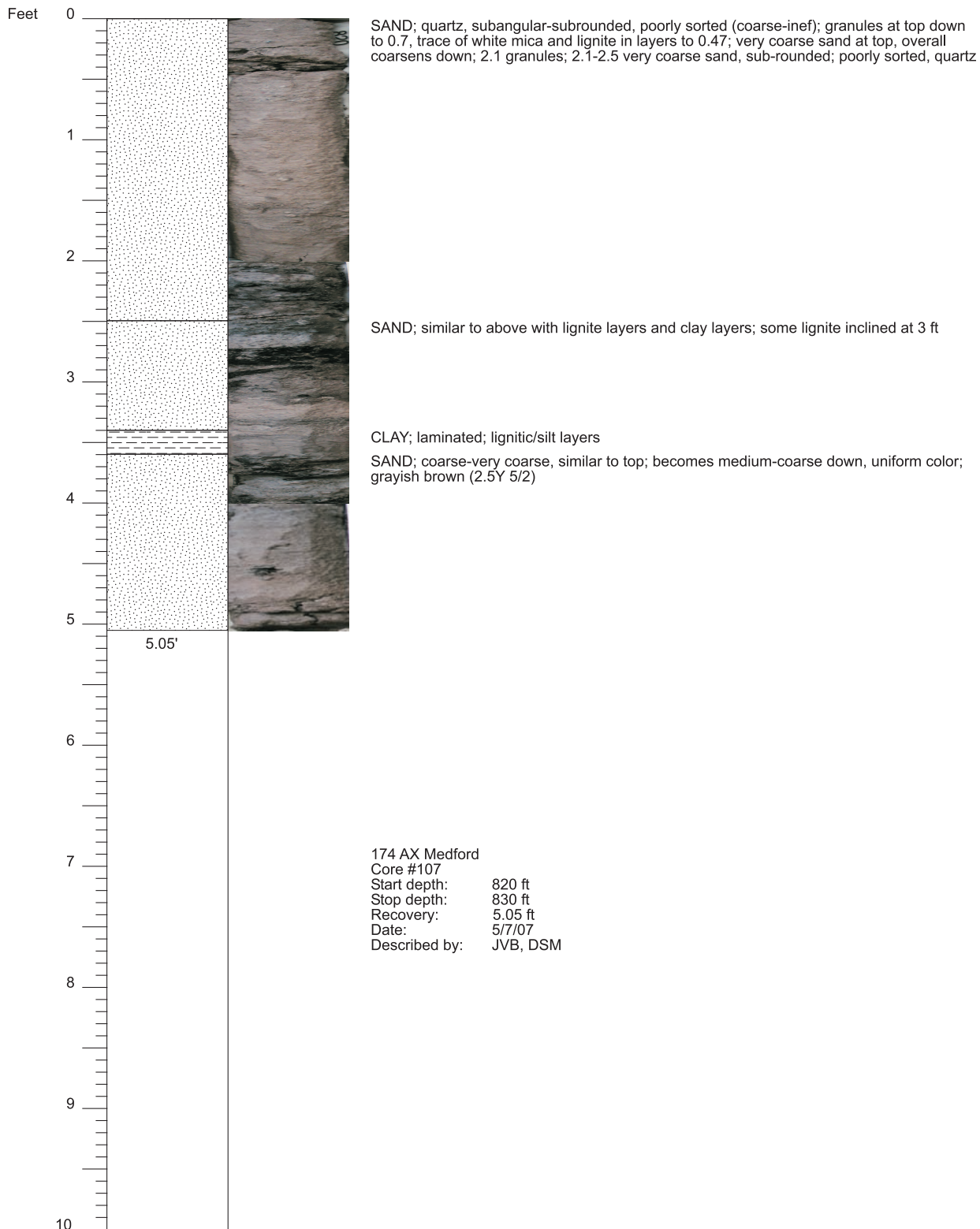
SILT; very clayey, slightly micaceous; many clay laminations, some inclined; rare rip-ups; common ohm (lignite?), some fine sand beds; gray (N/6)

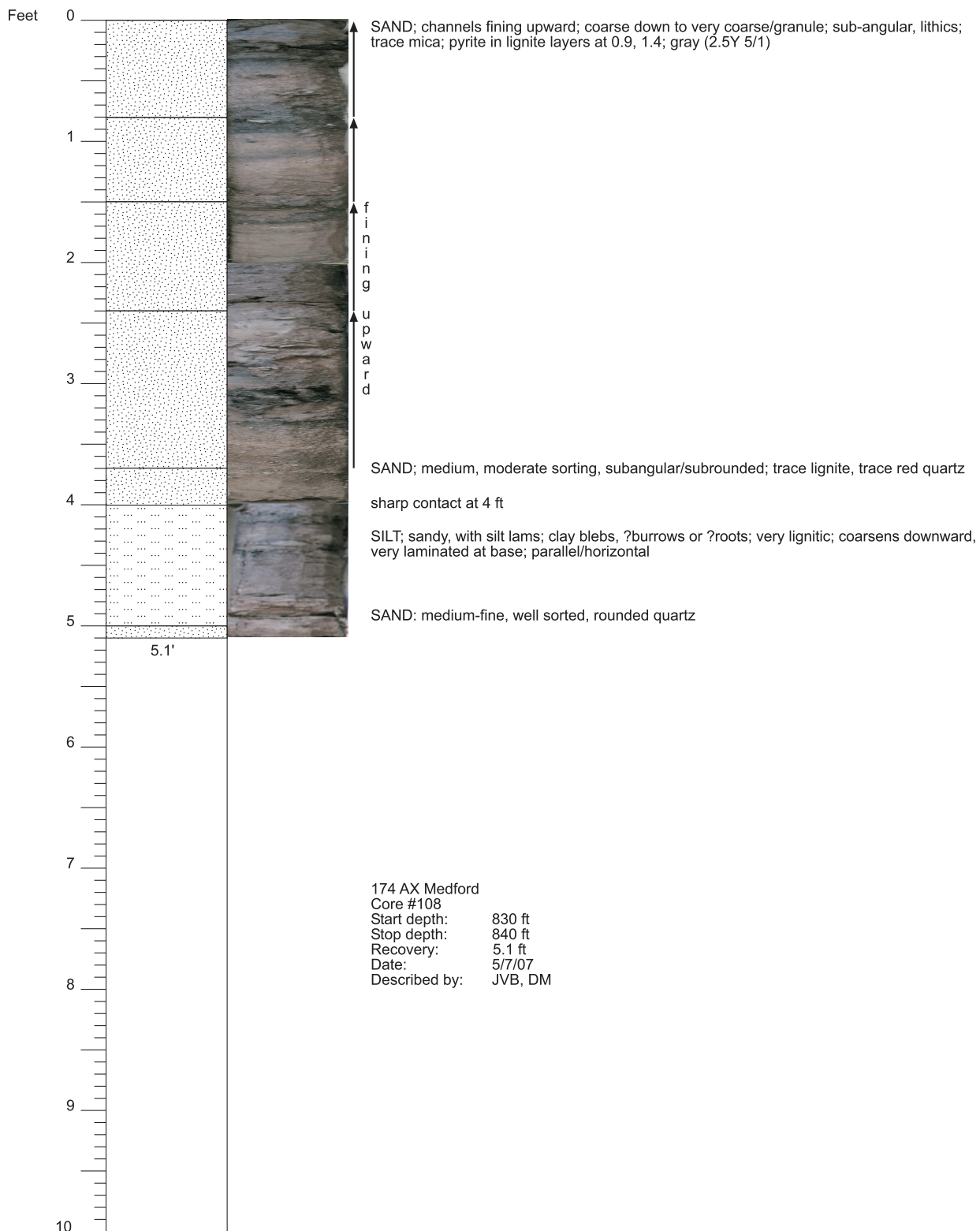
SAND; fine-very fine, mostly quartz; slightly micaceous, some laminations (silt), some inclined; lignite, concentration is variable (to 5%) very fine; some soft sediment deformation of laminae, moderate-well sorted, sub-rounded; 4.3 lignite; light gray (N7)

CLAY; lignitic; heavily laminated, silty laminae and silt laminae, micaceous; sand is very fine, some fine, well sorted, subangular-subround; lignitic throughout; some inclined layers, some laminae look graded; 5.4 lignite; dark gray (5Y 4/1)

SAND; medium, swamp smell, locally coarse, mostly quartz, subrounded (some subangular); <1% finer lignite, micaceous (very rare); some yellow, pink quartz; light gray (N/7)

174 AX Medford
 Core #106
 Start depth: 810 ft
 Stop depth: 820 ft
 Recovery: 6.8 ft
 Date: 5/7/07
 Described by: JVB, DHM

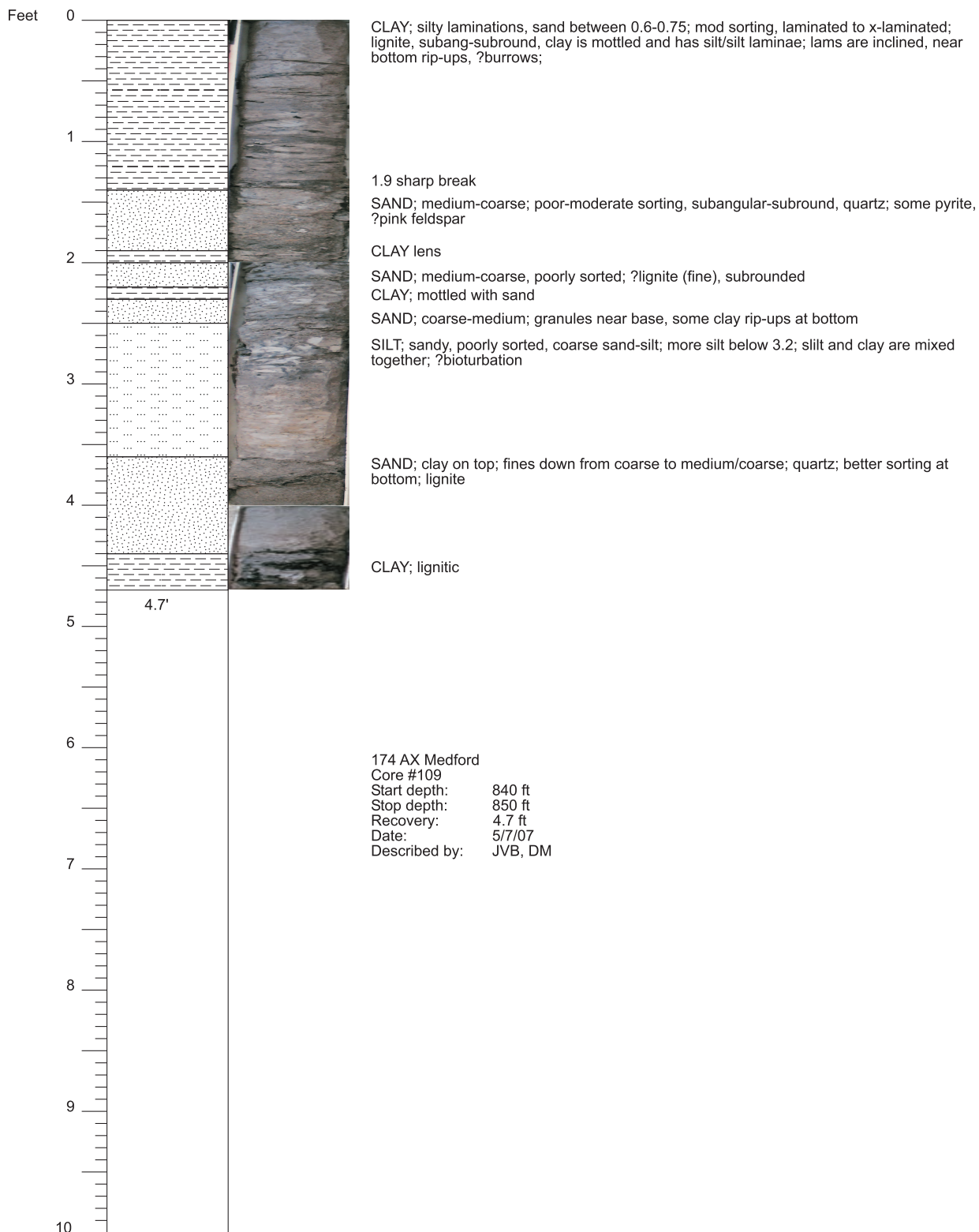




CORE DESCRIPTIONS

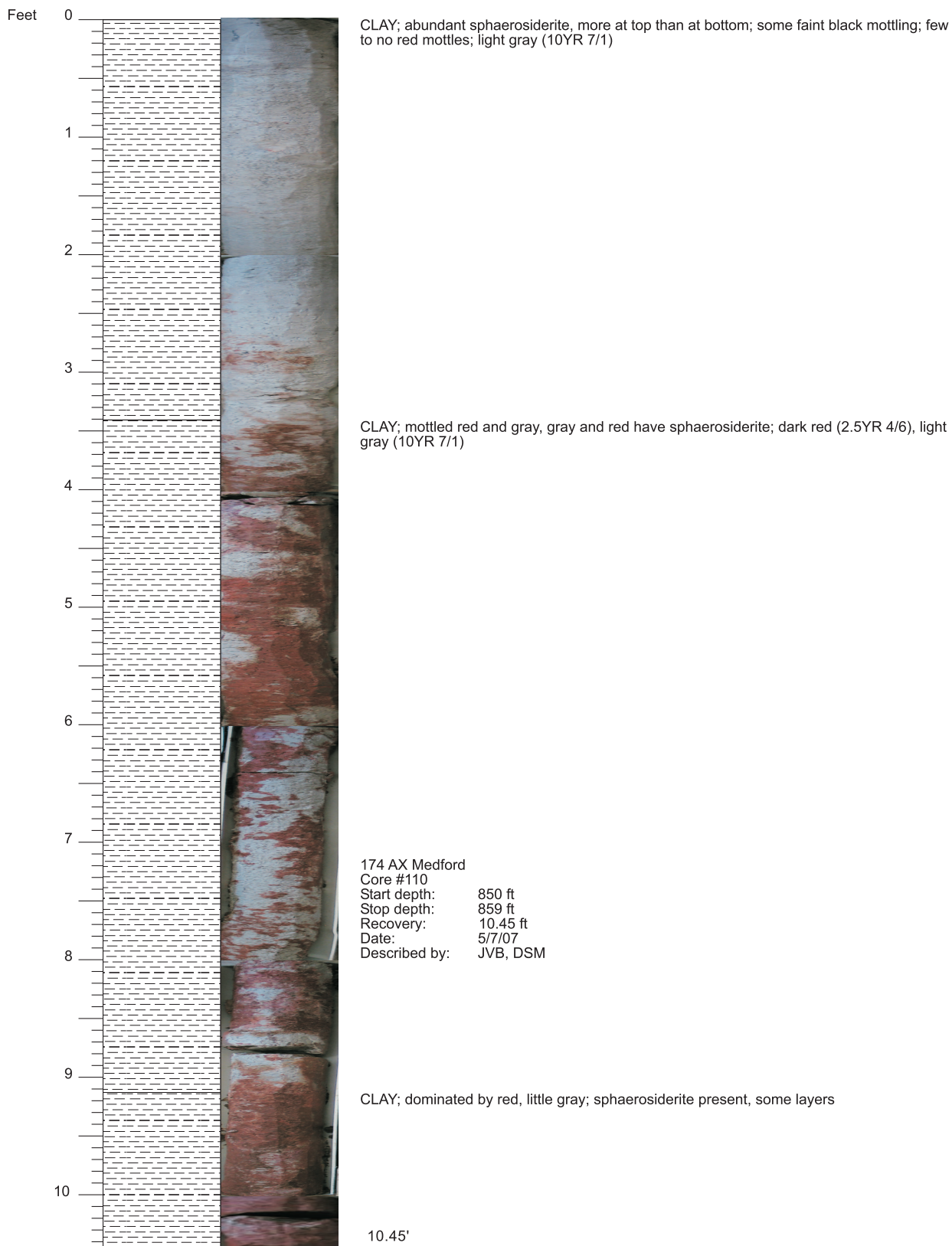
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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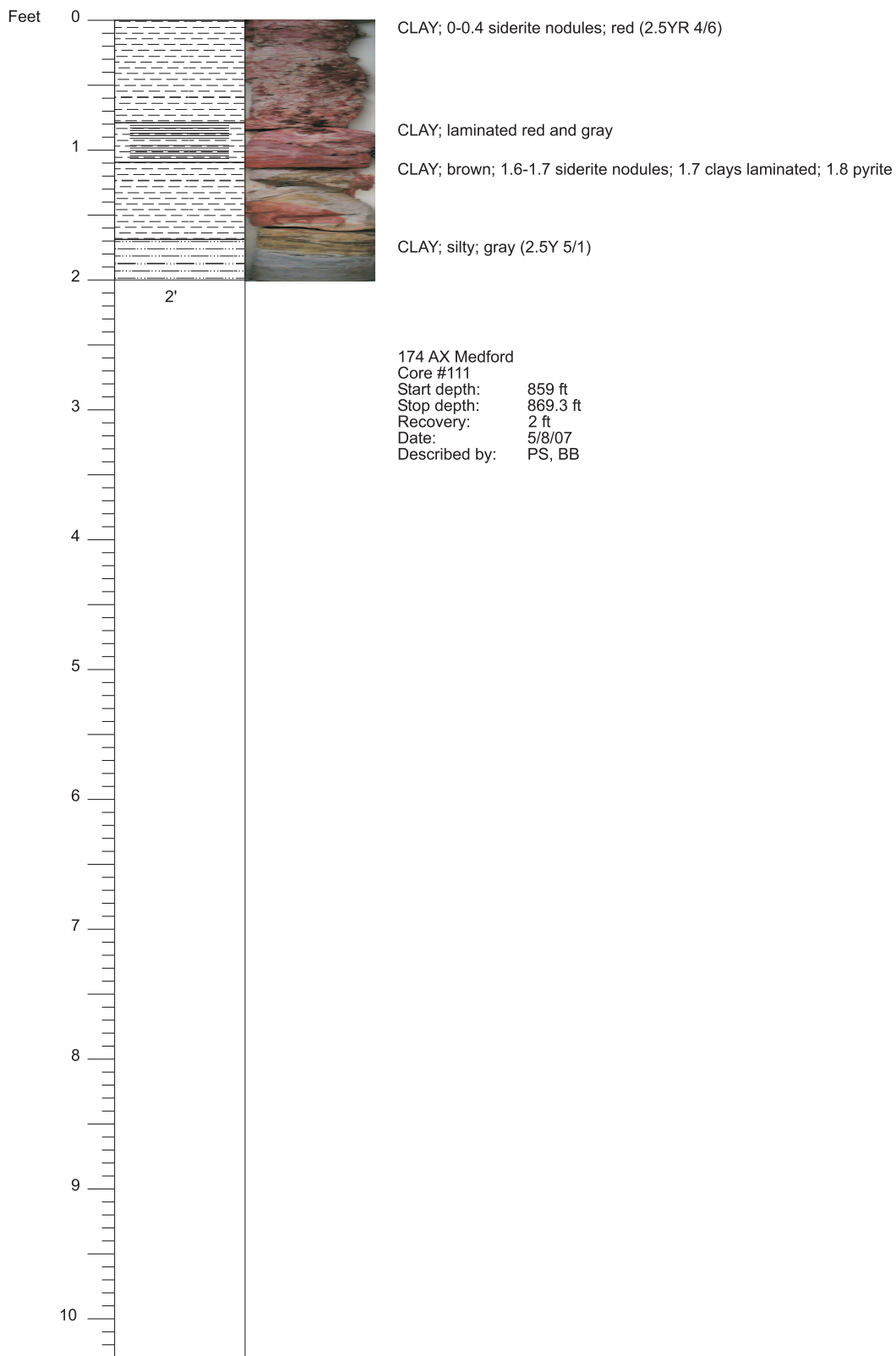
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

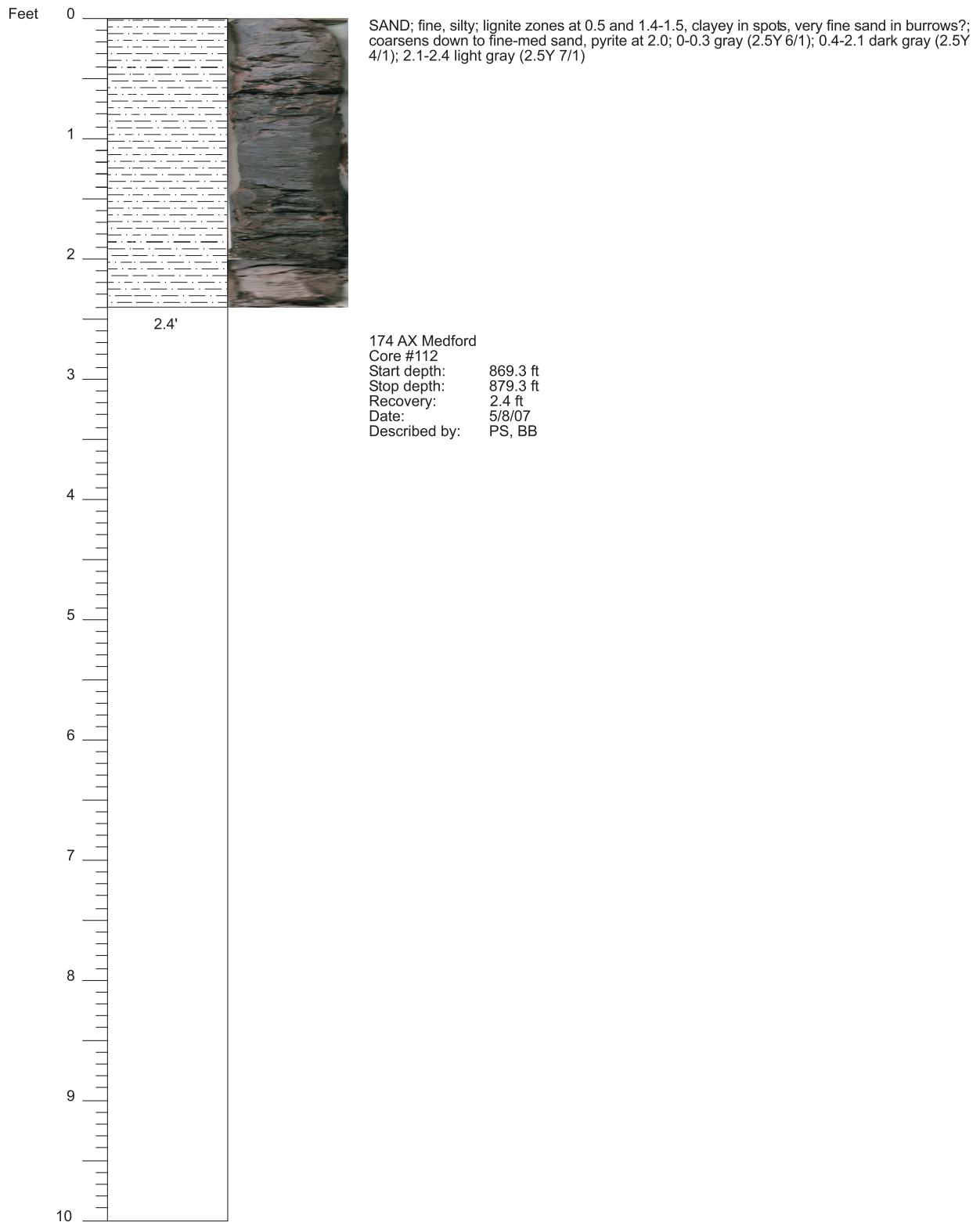
111



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

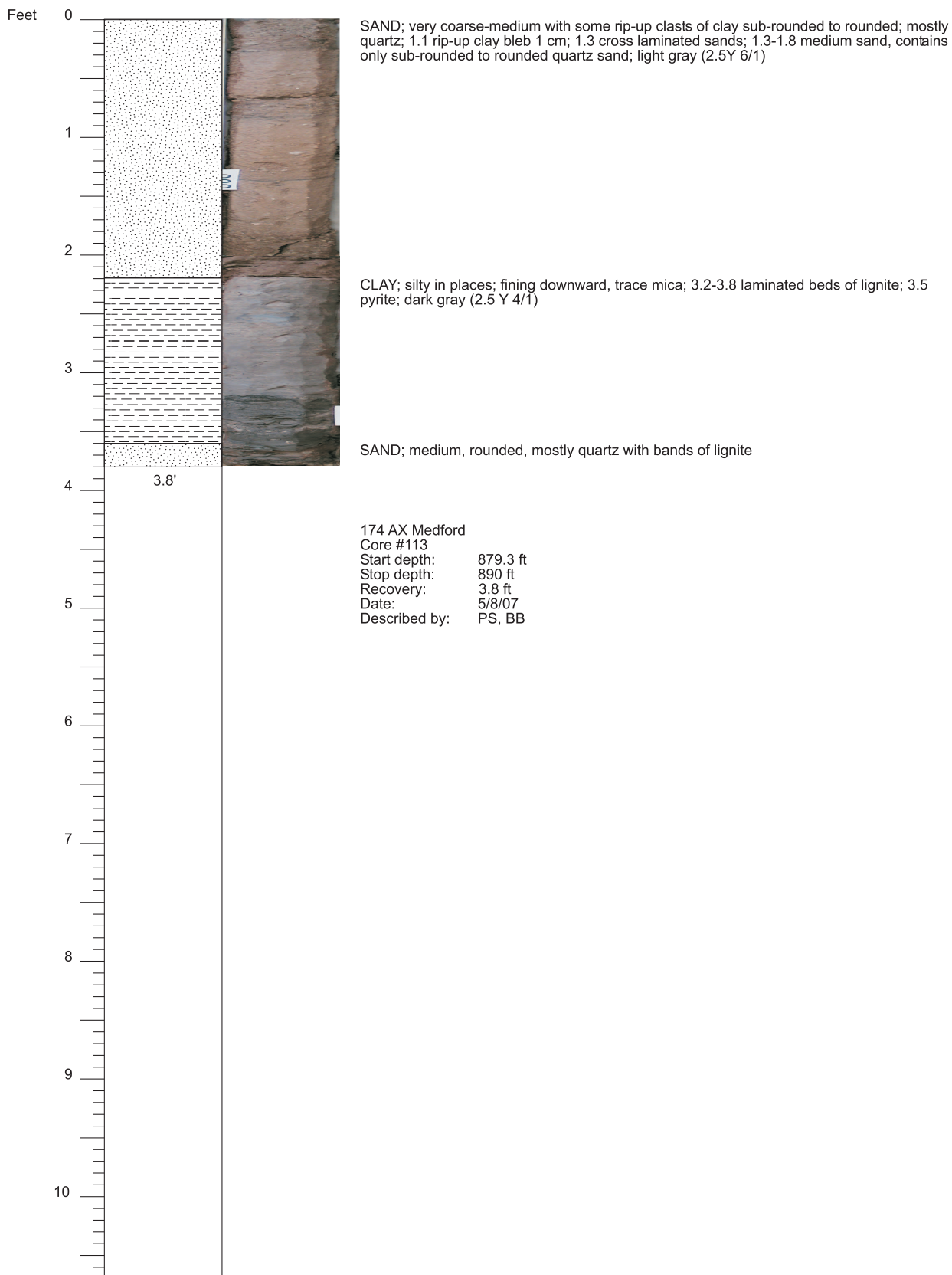
112

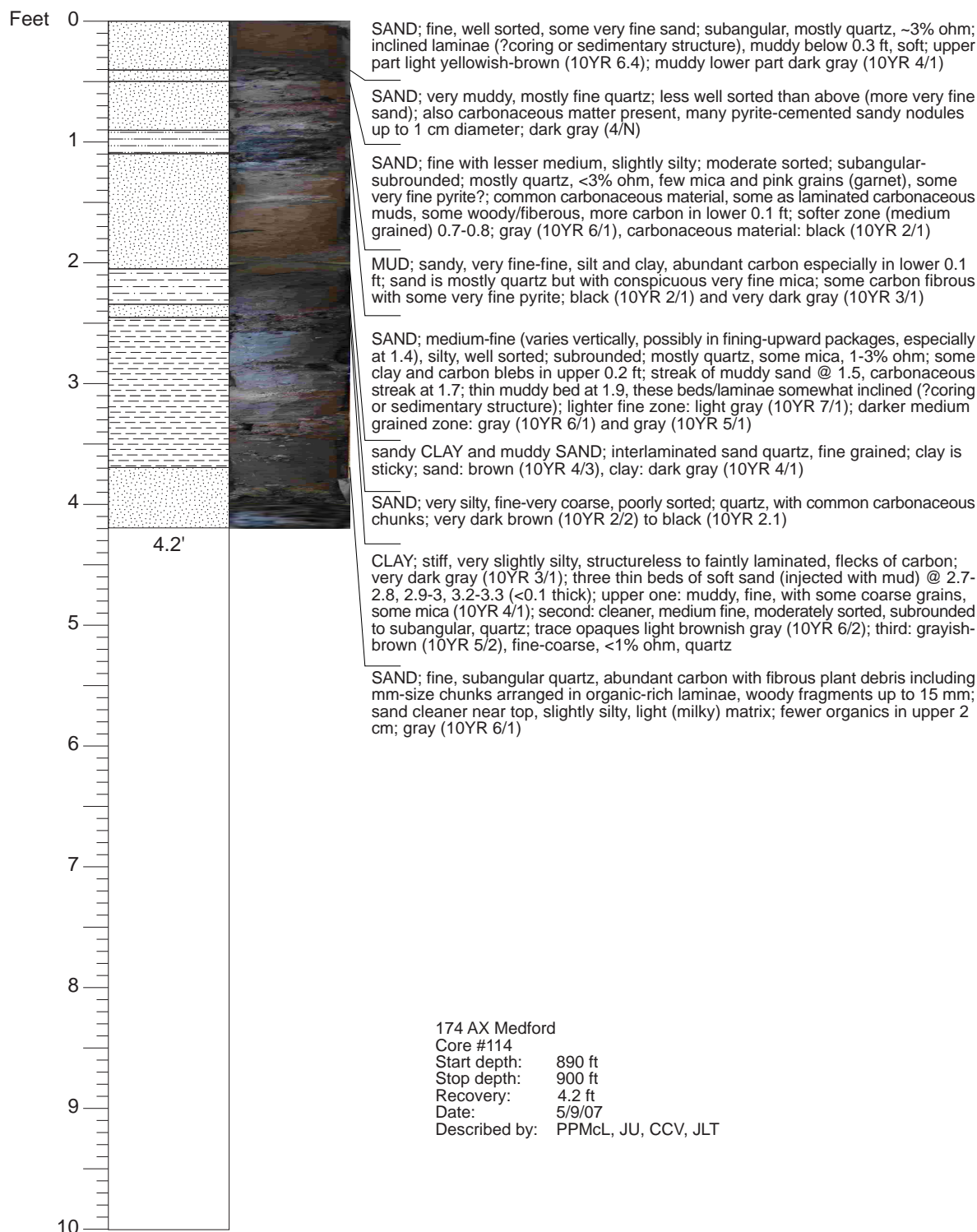


CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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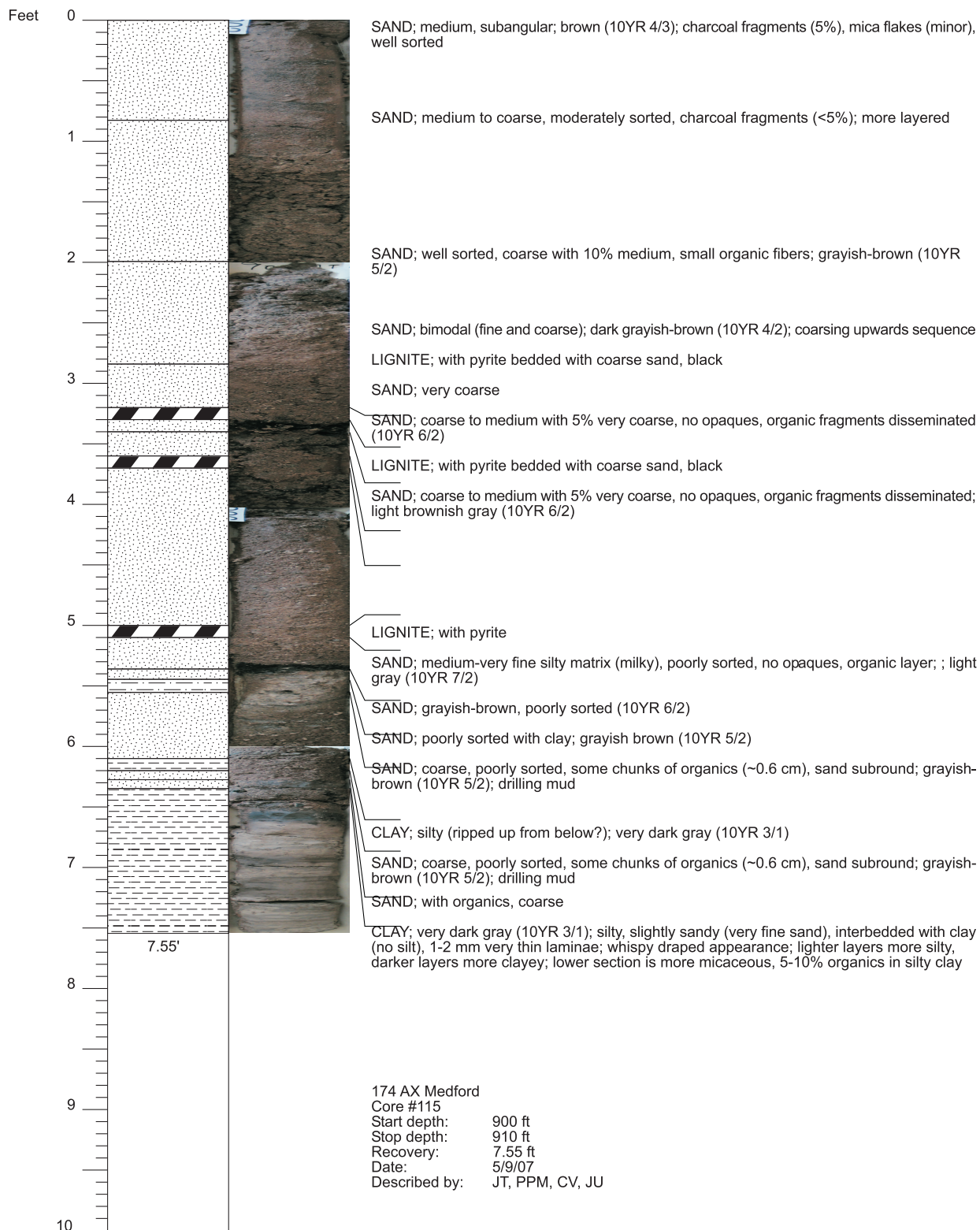


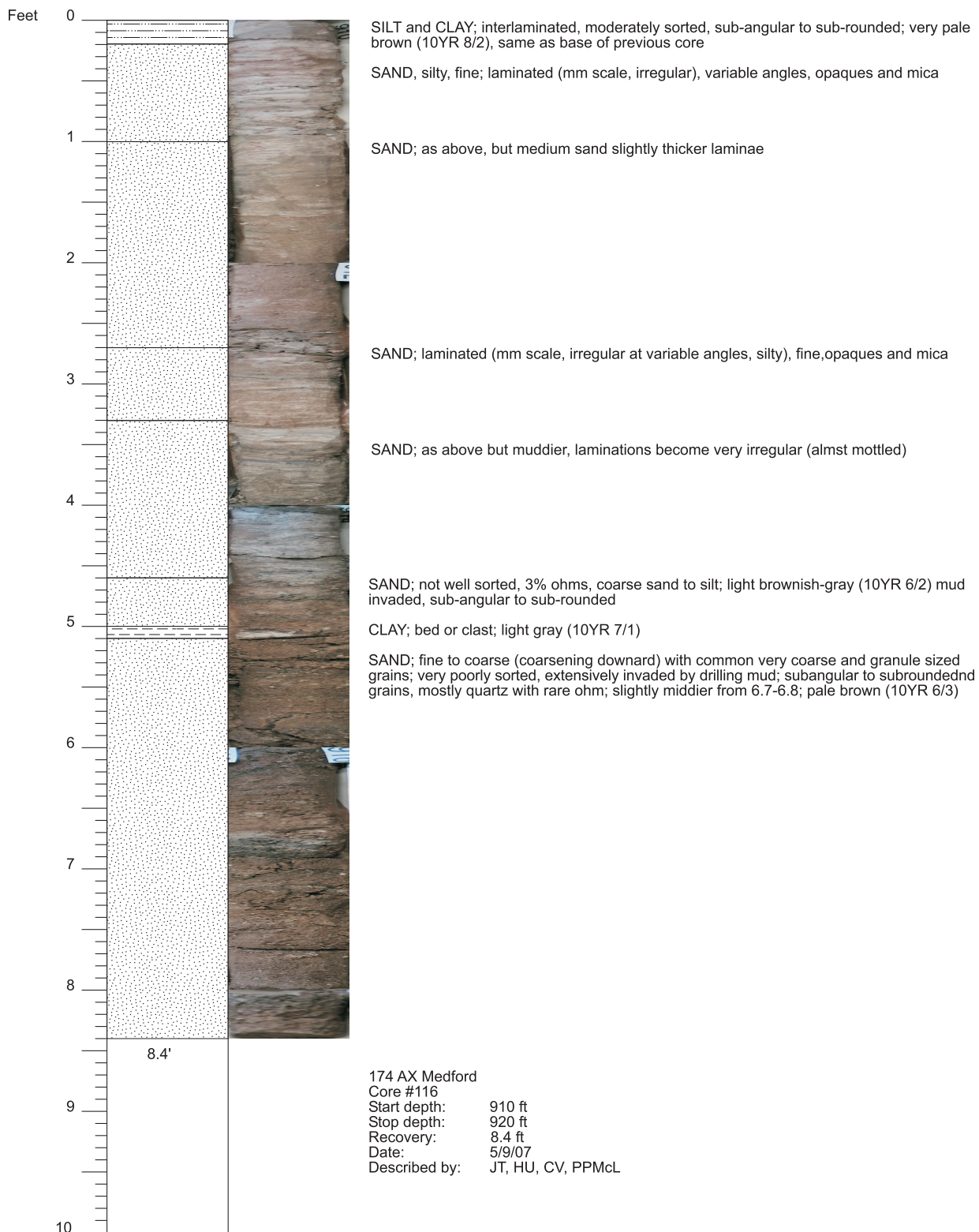


CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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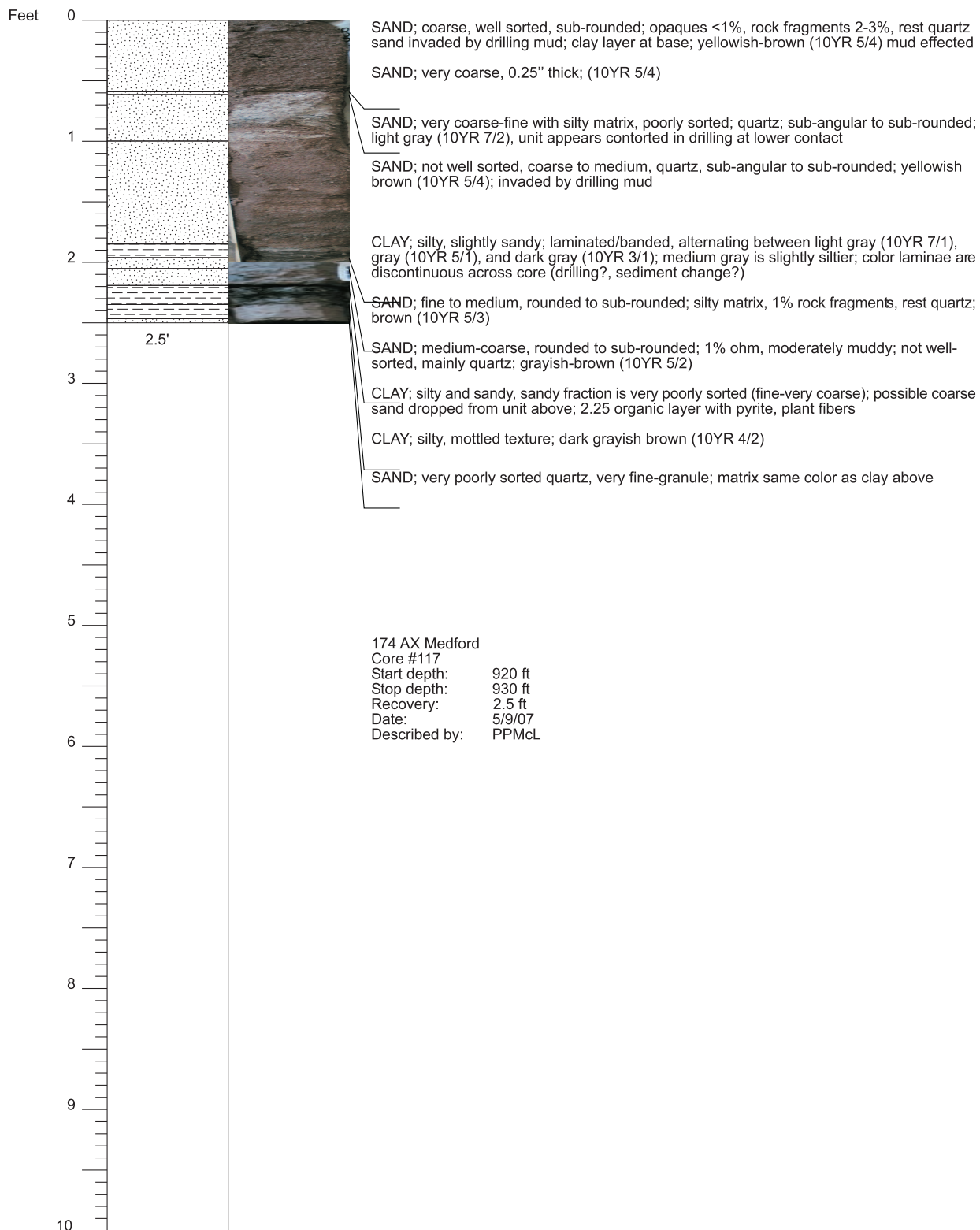


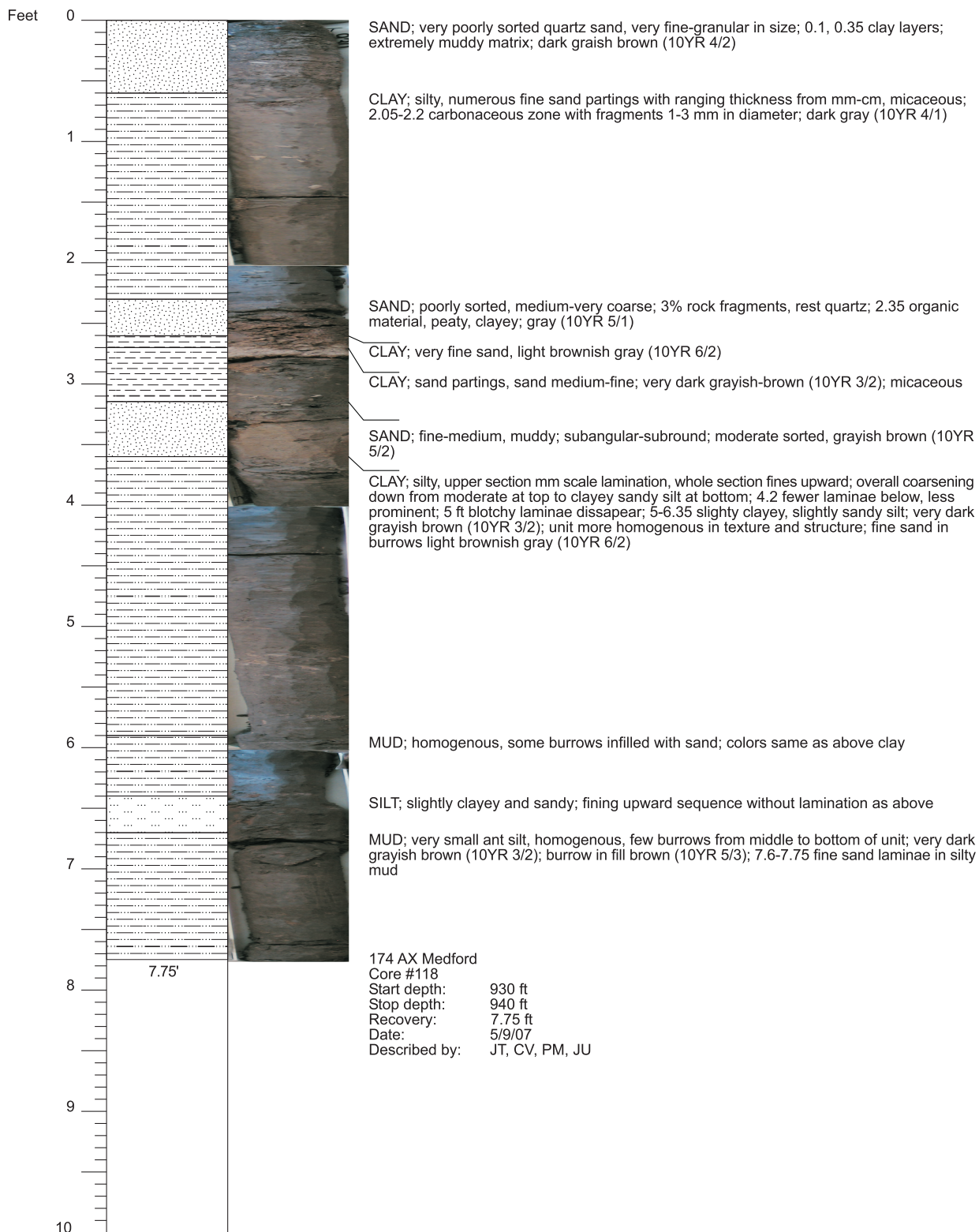


CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

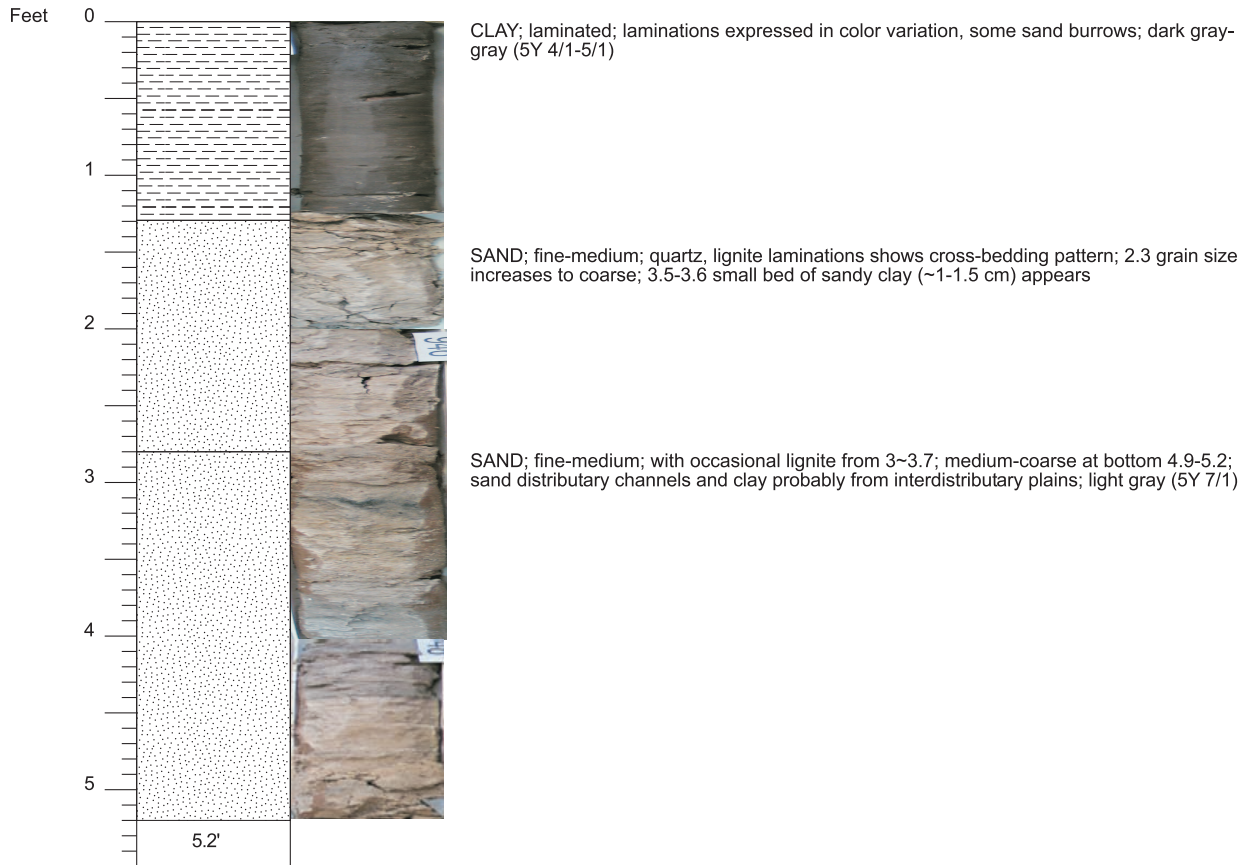
119



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

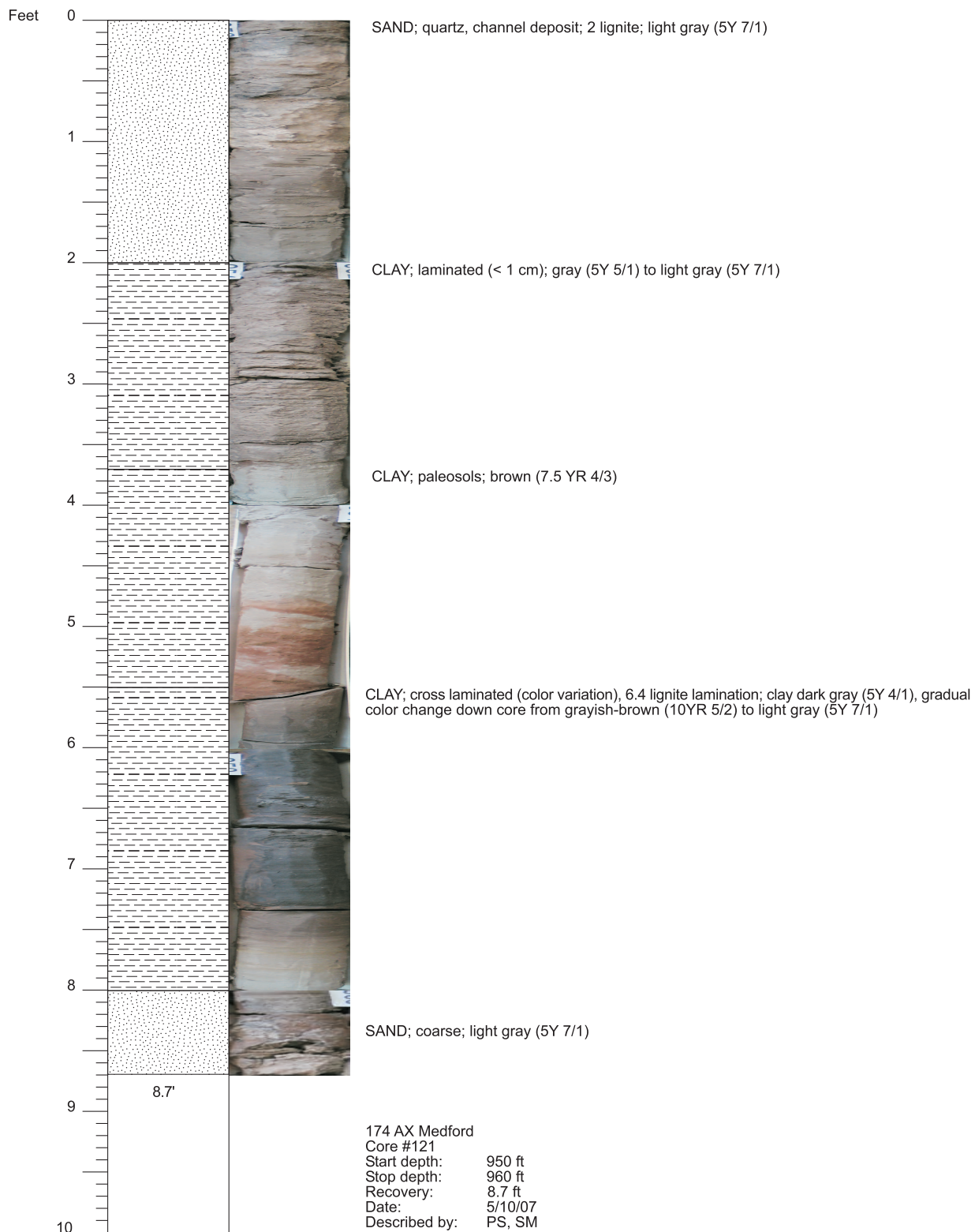
120



174 AX Medford
Core #120
Start depth: 944.5 ft
Stop depth: 950 ft
Recovery: 5.2 ft
Date: 5/10/07
Described by: PS, SM

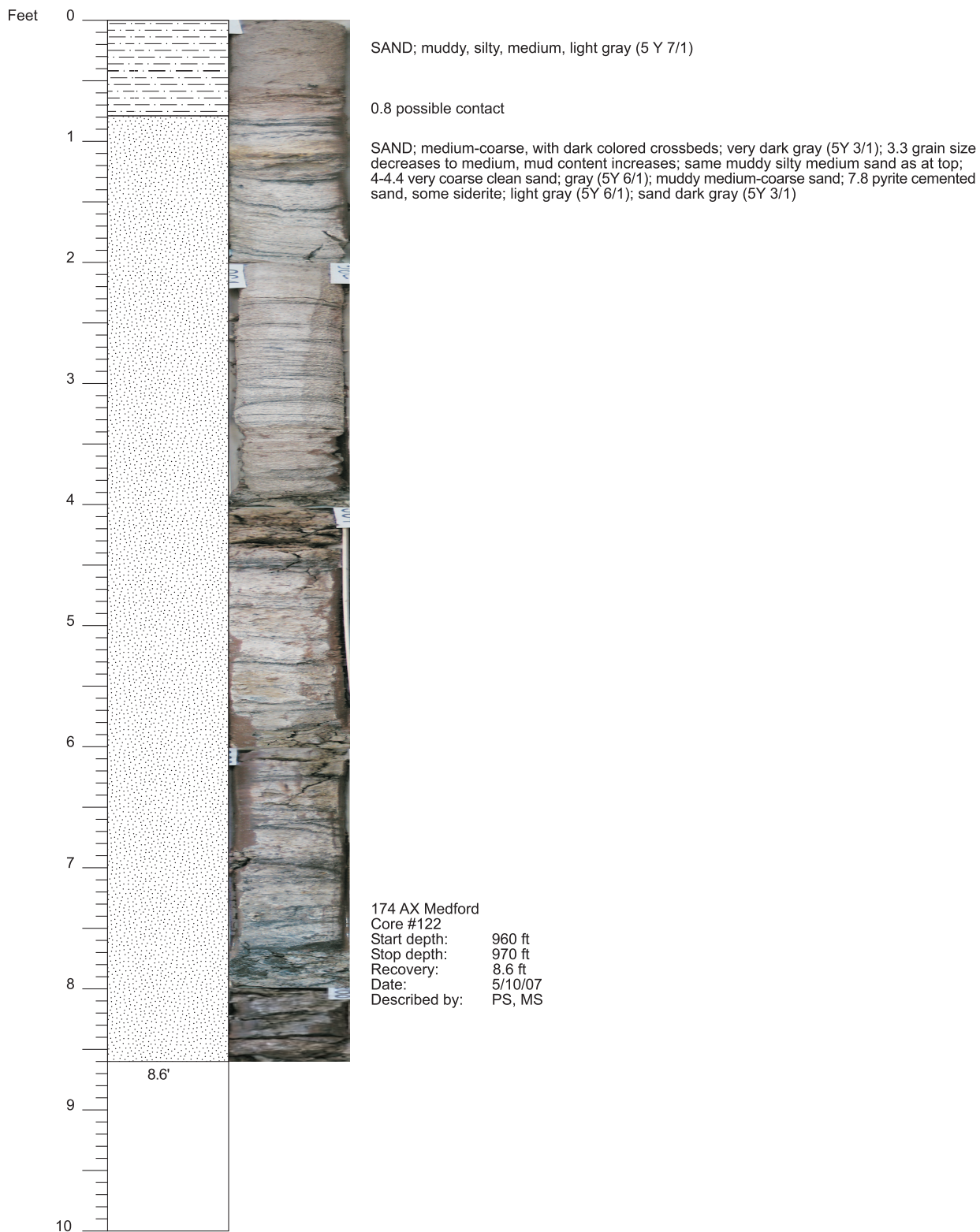
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

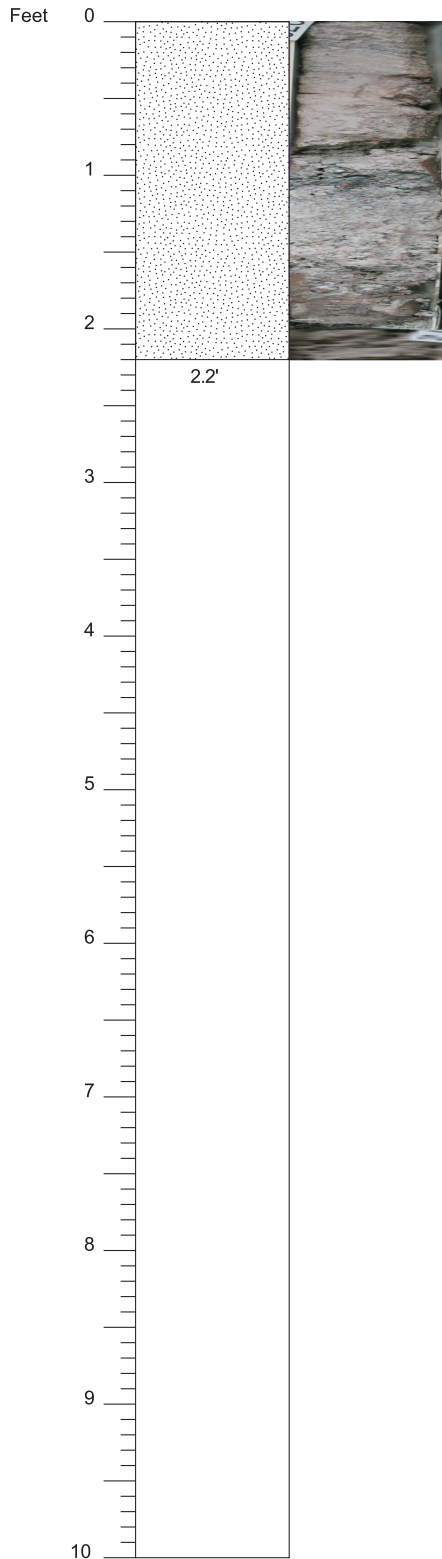
122



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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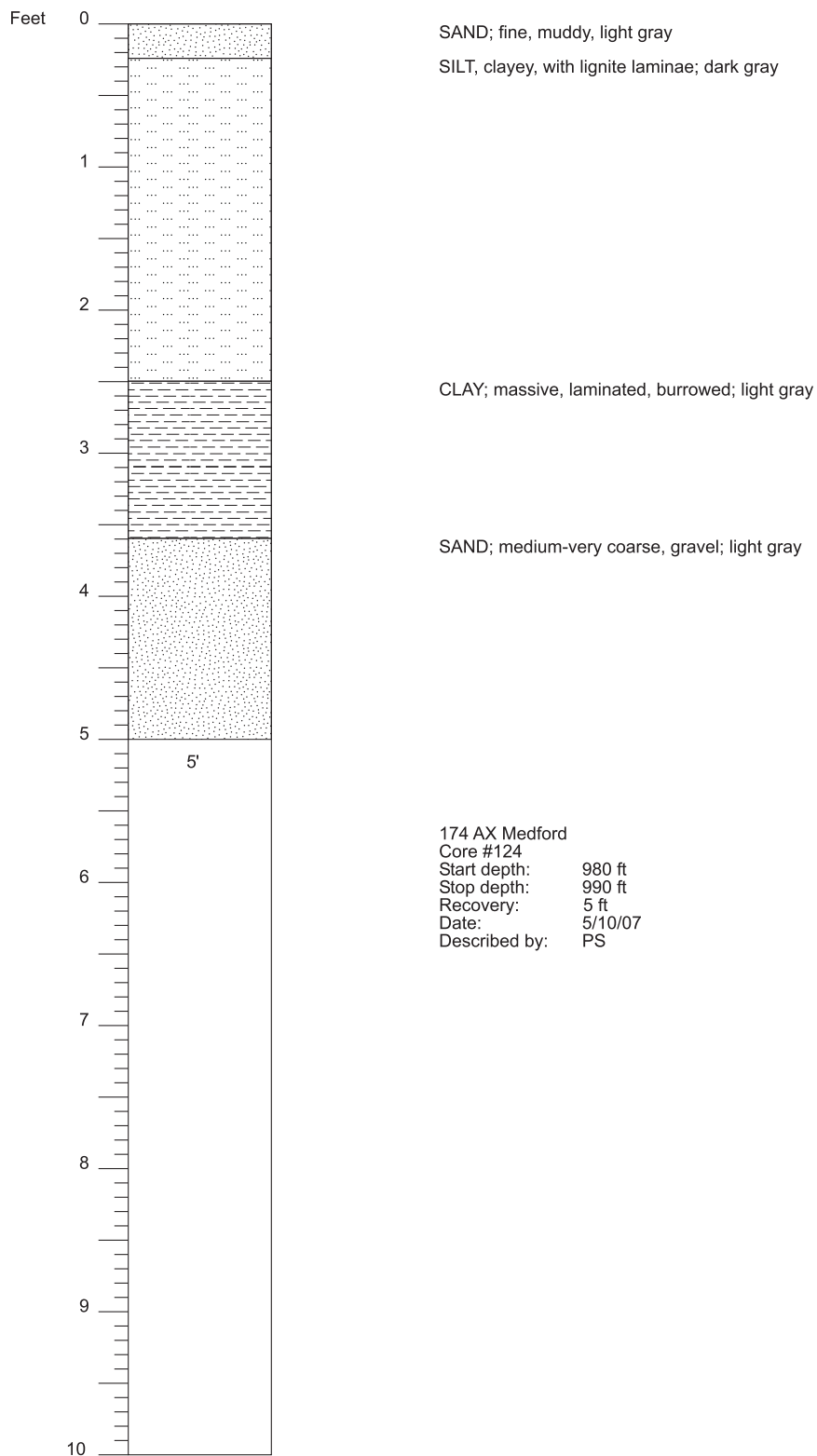


SAND; fine-medium, some gravel; possible channel deposition, cross lamination of dark gray material; occasional light color clay layers, mud content increases to bottom, color becomes darker; light gray (5Y 7/1), bottom section: dark gray (5Y 4/1)

174 AX Medford
Core #123
Start depth: 970 ft
Stop depth: 980 ft
Recovery: 2.2 ft
Date: 5/10/07
Described by: MS, PS

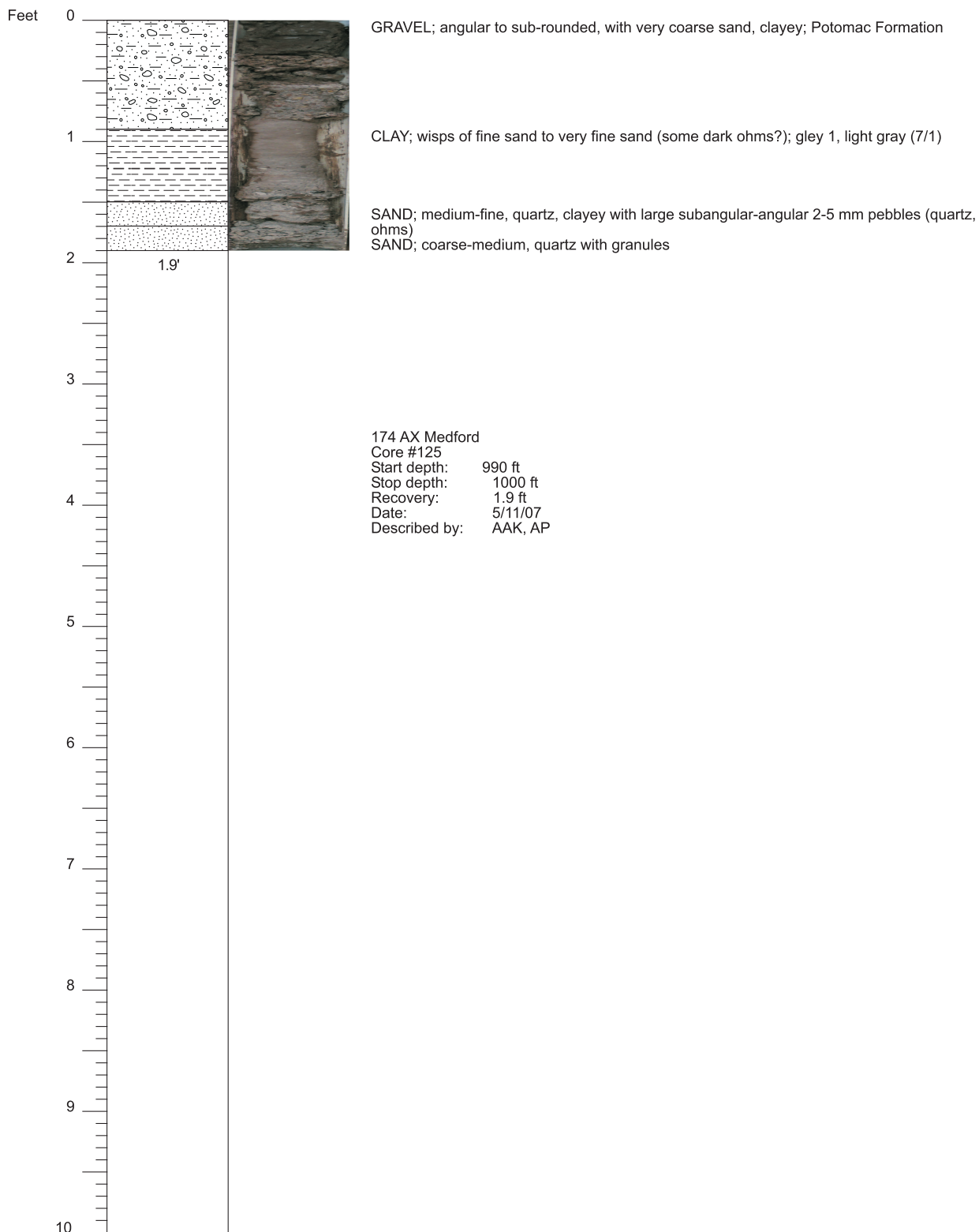
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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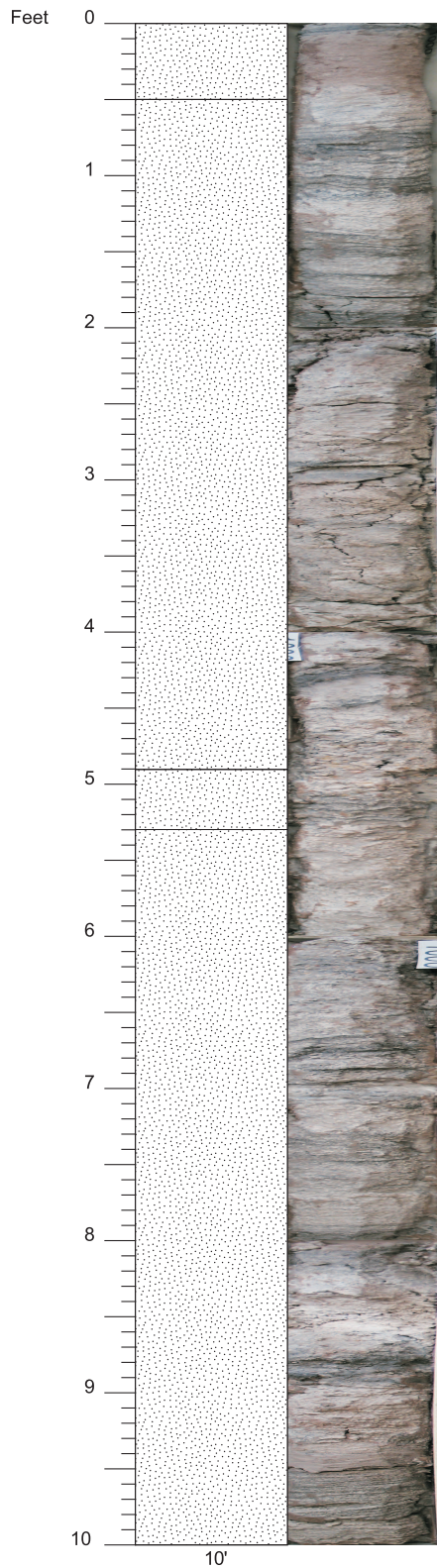
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

125



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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SAND; well sorted, medium, quartz

SAND; clayey, medium-very coarse; occasionally laminated dark silty clay (not lignite); laminations are inclined, 1.9 pebble; gley light gray (7/1)

SAND; very coarse-granuliferous, with 2-4 mm diameter pebbles; mostly quartz, rose quartz

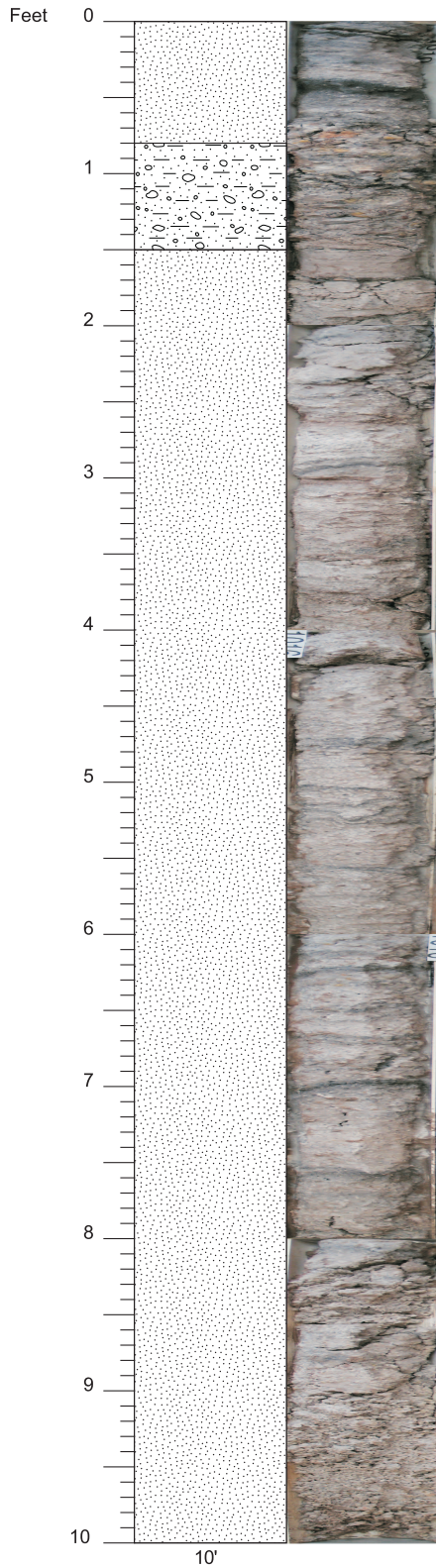
SAND; (same as above), clayey, medium-very coarse; occasionally laminated dark silty clay (not lignite); laminations are inclined, 1.9 pebble; gley light gray (7/1)

174 AX Medford
 Core #126
 Start depth: 1000 ft
 Stop depth: 1010 ft
 Recovery: 10 ft
 Date: 5/11/07
 Described by: AAK, AP

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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SAND: very coarse-medium, clayey, slightly granuliferous, occasional 1-2 mm diameter; pebbles-quartzose, black mafic?; trace mica, 4.5, 7.7, 8.2 dark grey laminations; slightly coarser at base of core

Gravel

174 AX Medford

Core #127

Start depth: 1010 ft

Stop depth: 1020 ft

Recovery: 10 ft

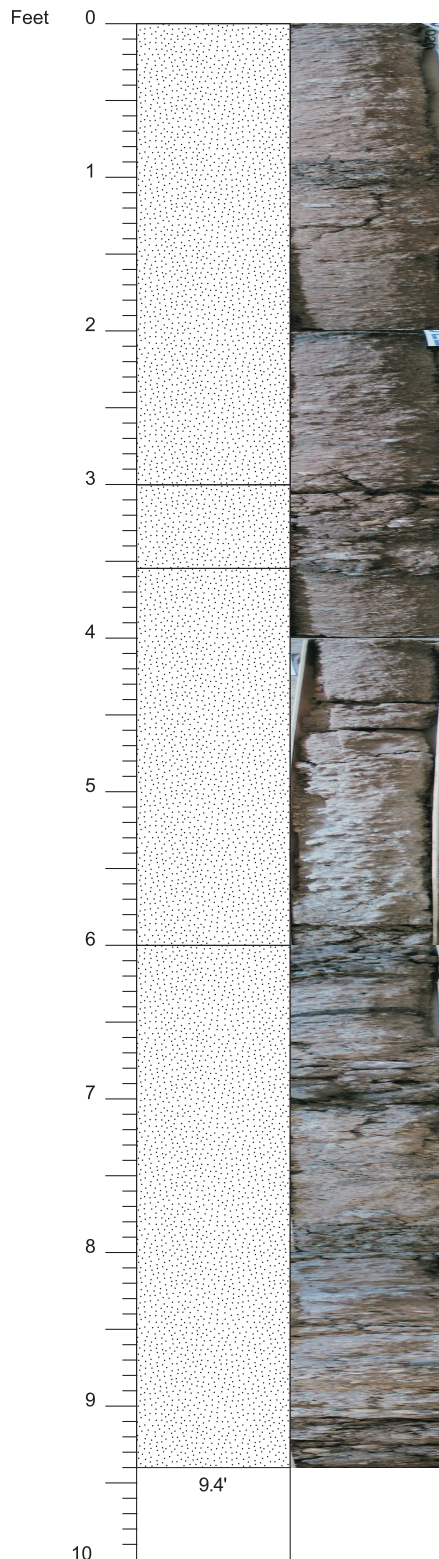
Date: 5/11/07

Described by: AAK, AP

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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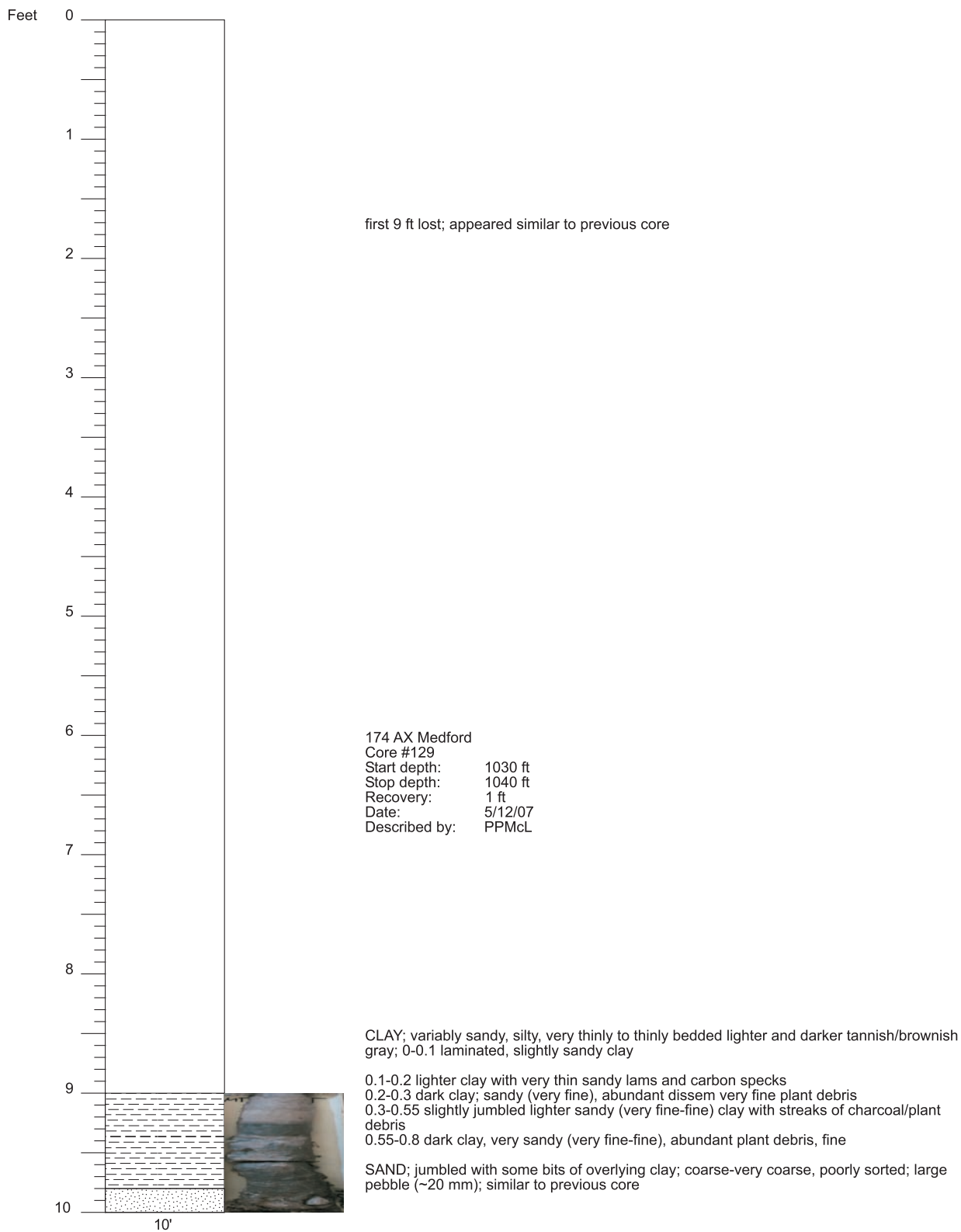
SAND; very coarse-medium, poorly sorted, soft; muddy matrix makes it stick together; several zones of darker clayey inclined laminae; 0.8-1, 2.1, 2.8 slightly clayey dark cross-laminae, small (<1 cm) clasts of whitish sandy clay included in beds in places

SAND; more heterogenous, poorly sorted, mostly coarse; granules and pebbles up to 1 cm; clasts of white sandy clay up to 2 cm bedded appearance; muddy matrix, dark muddy clayey laminae at base; sand subangular-angular; quartz

SAND; similar to above but softer; more easily washed out, lighter color; mostly coarse, very poorly sorted with fine to granule size grains; slightly silty matrix (not as sticky); tends to get slightly clearer and coarser (very coarse-granules) at base; subangular-angular, quartz

174 AX Medford
Core #128
Start depth: 1020 ft
Stop depth: 1030 ft
Recovery: 9.4 ft
Date: 5/11/07
Described by: PPMcL

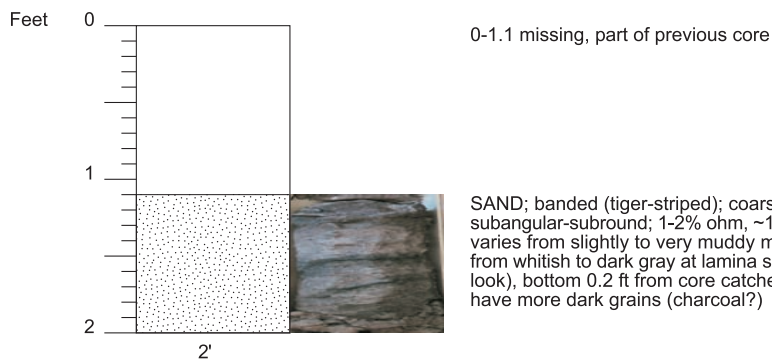
SAND; zones of gravel, gravelly zones at 6-6.2 (up to 15 mm), 6.7-7 (up to 25 mm pebbles), 7.9-8.1 (~10 mm common), increasing pebble content and size below 9 ft, with largest pebbles at 20 mm at bottom; quartz sand, subangular-angular, poorly sorted; coarse grained near top and coarser downward with average being very coarse near bottom with abd granules (besides pebbles); changes downward from slightly muddy and cohesive to fairly clean and loose



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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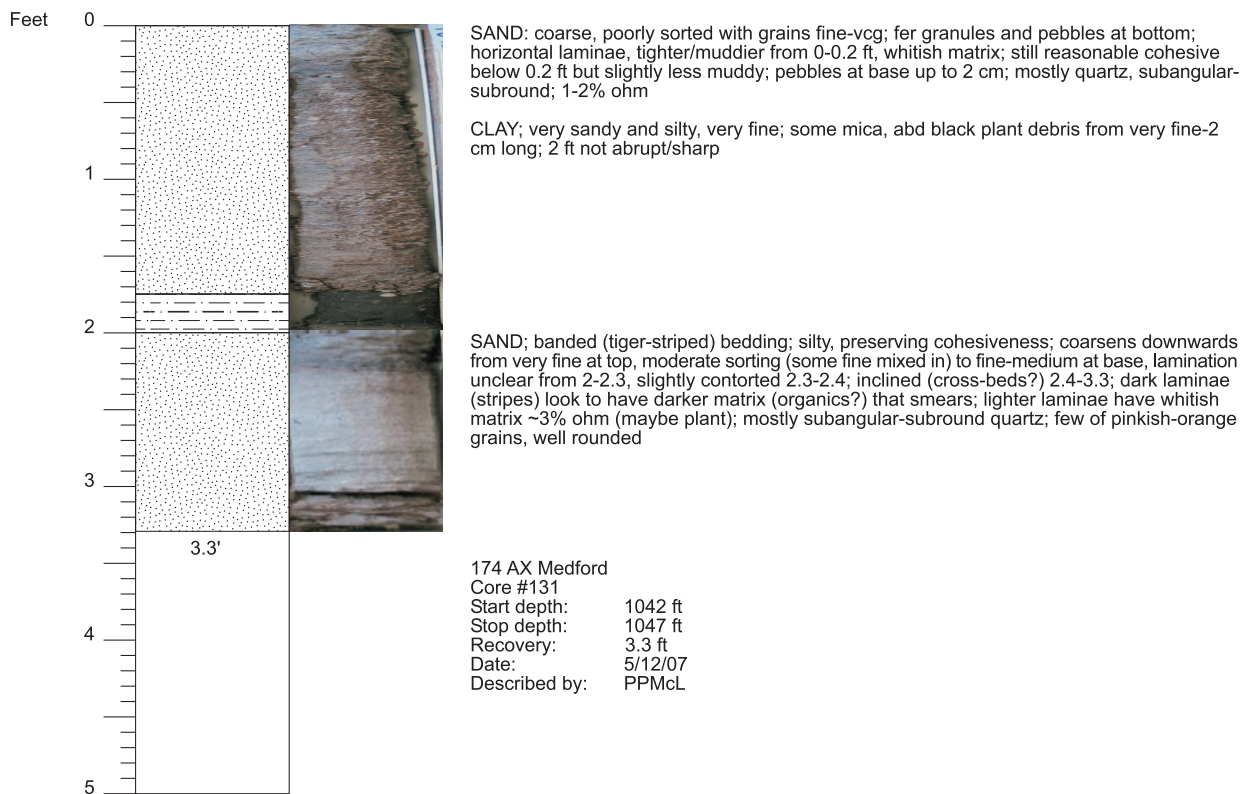
SAND; banded (tiger-striped); coarse-medium, poorly sorted, mostly quartz, grains mostly subangular-subround; 1-2% ohm, ~1% well rounded pinkish-orange grains (probably quartz); varies from slightly to very muddy matrix, muddier laminae more cohesive; matrix varies from whitish to dark gray at lamina scale; laminae slightly inclined and wavy (almost gneissic look), bottom 0.2 ft from core catcher the same but possibly slightly cleaner; dark laminae have more dark grains (charcoal?)

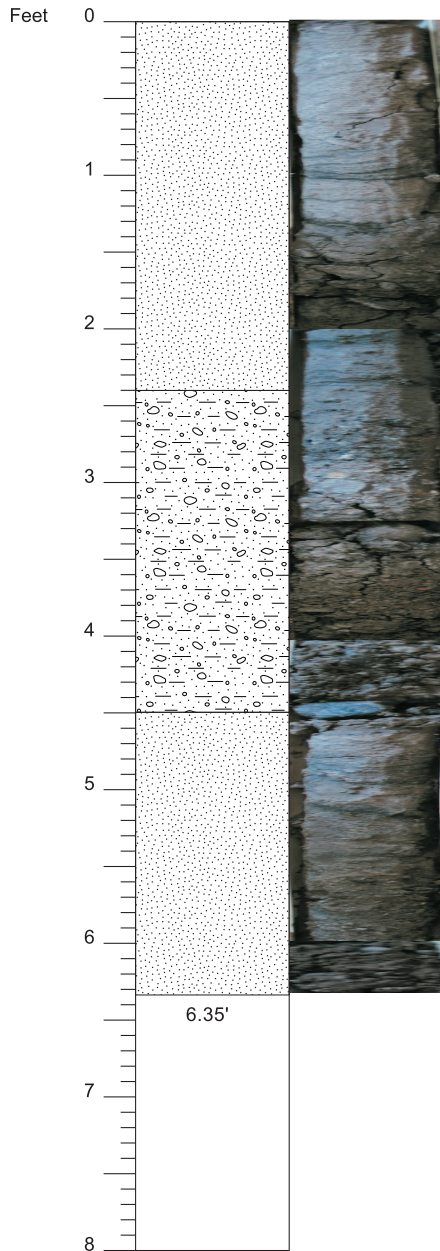
174 AX Medford
Core #130
Start depth: 1040 ft
Stop depth: 1042 ft
Recovery: 0.9 ft
Date: 5/12/07
Described by: PPMcL

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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SAND; banded/cross-bedded with inclined to irregular dark laminae; mostly med grained but mod-poor sorted, inclined fine-coarse grains; mostly quartz, subround-subangular, ~1-2% ohm; muddy (silt and clay) whitish matrix; with dark tint of dark laminae possibly due to plant debris or darker mud

SAND w/GRAVEL; very poorly sorted, more coarse than other sizes but range from fine-very coarse, granules, and pebbles up to 3 cm; slightly muddy matrix and makes cohesive; pebbles mostly quartz but include other lithologies such as sandstone, some reddish

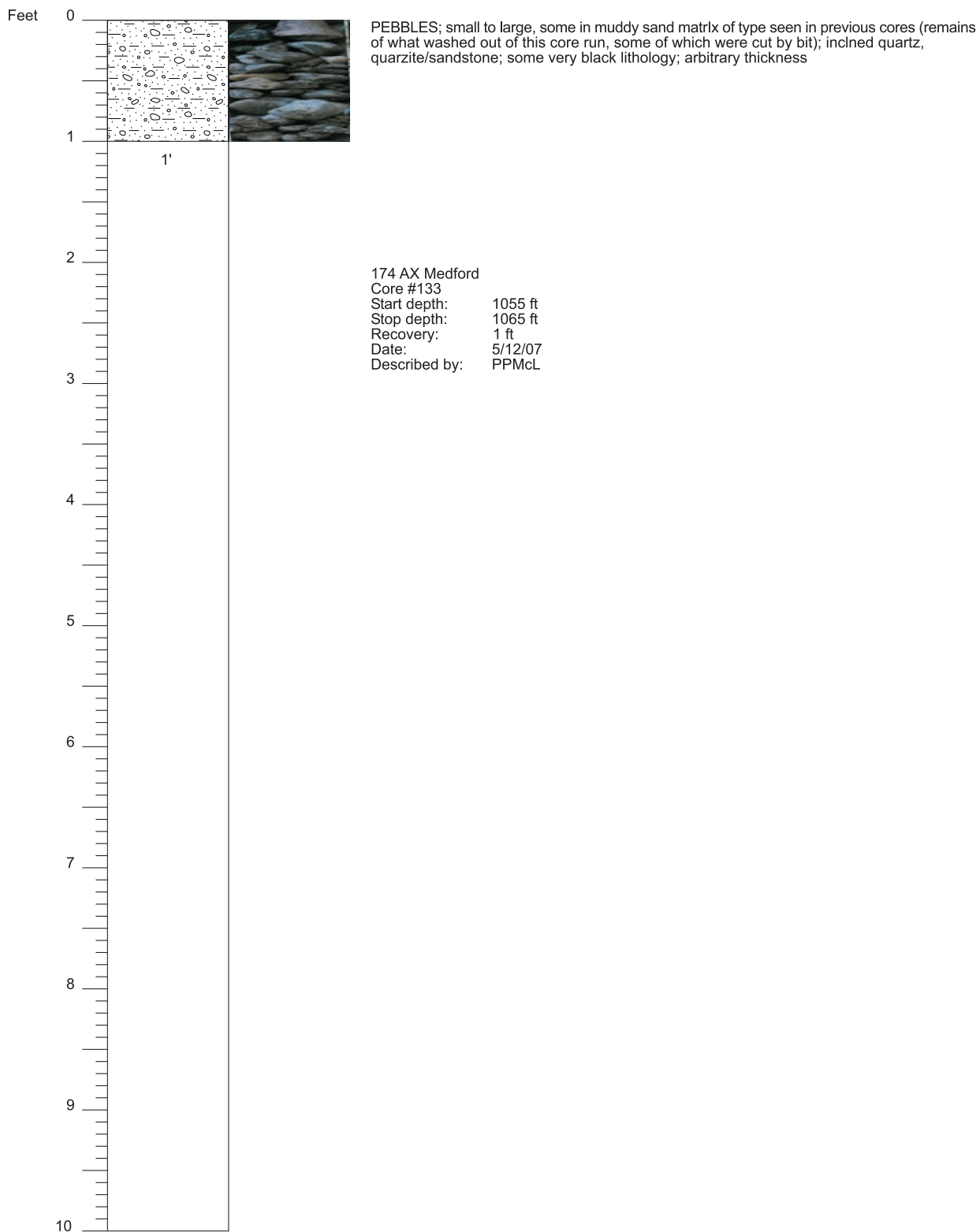
SAND; coarsens downward, moderate-poorly sorted, medium grained sand at top; passing to poorly sorted coarse sand with granules and mostly small pebbles near bottom; slightly silty (and clayey) makes cohesive; some dark laminae, slightly inclined; ~3%(?) dark sand size plant or charcoal fragments

174 AX Medford
Core #132
Start depth: 1047 ft
Stop depth: 1055 ft
Recovery: 6.35 ft
Date: 5/12/07
Described by: PPMcL

CORE DESCRIPTIONS

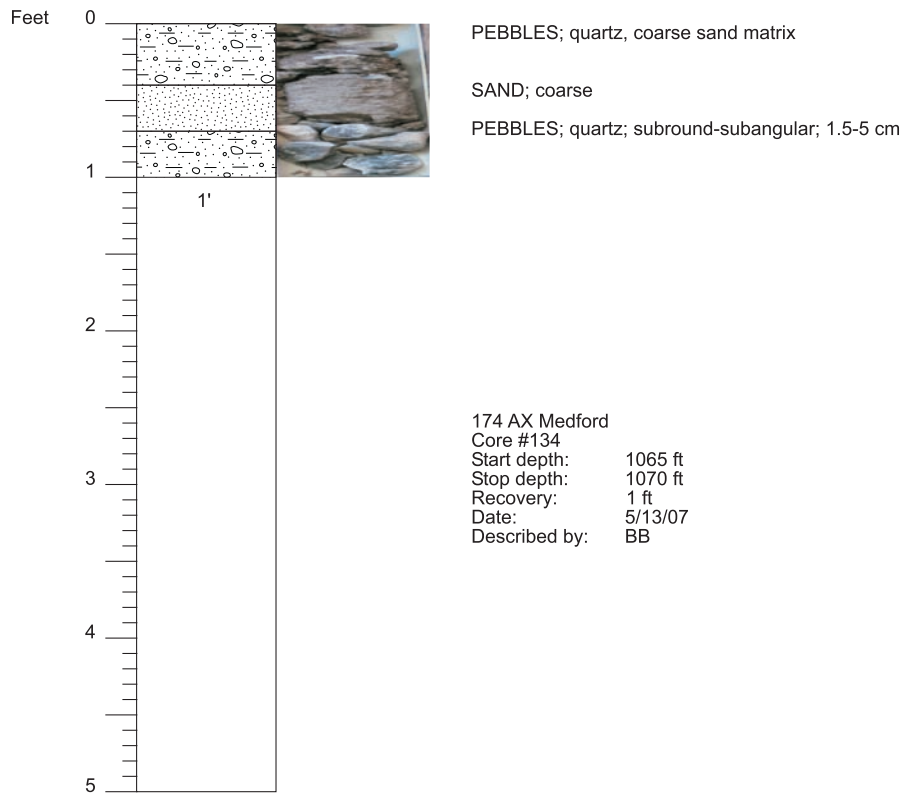
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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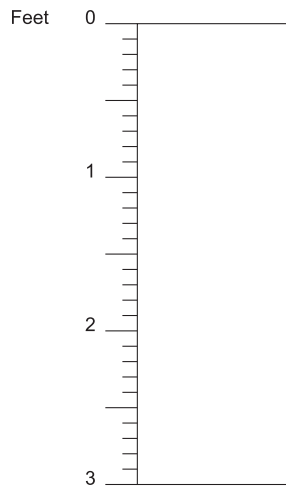
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

135

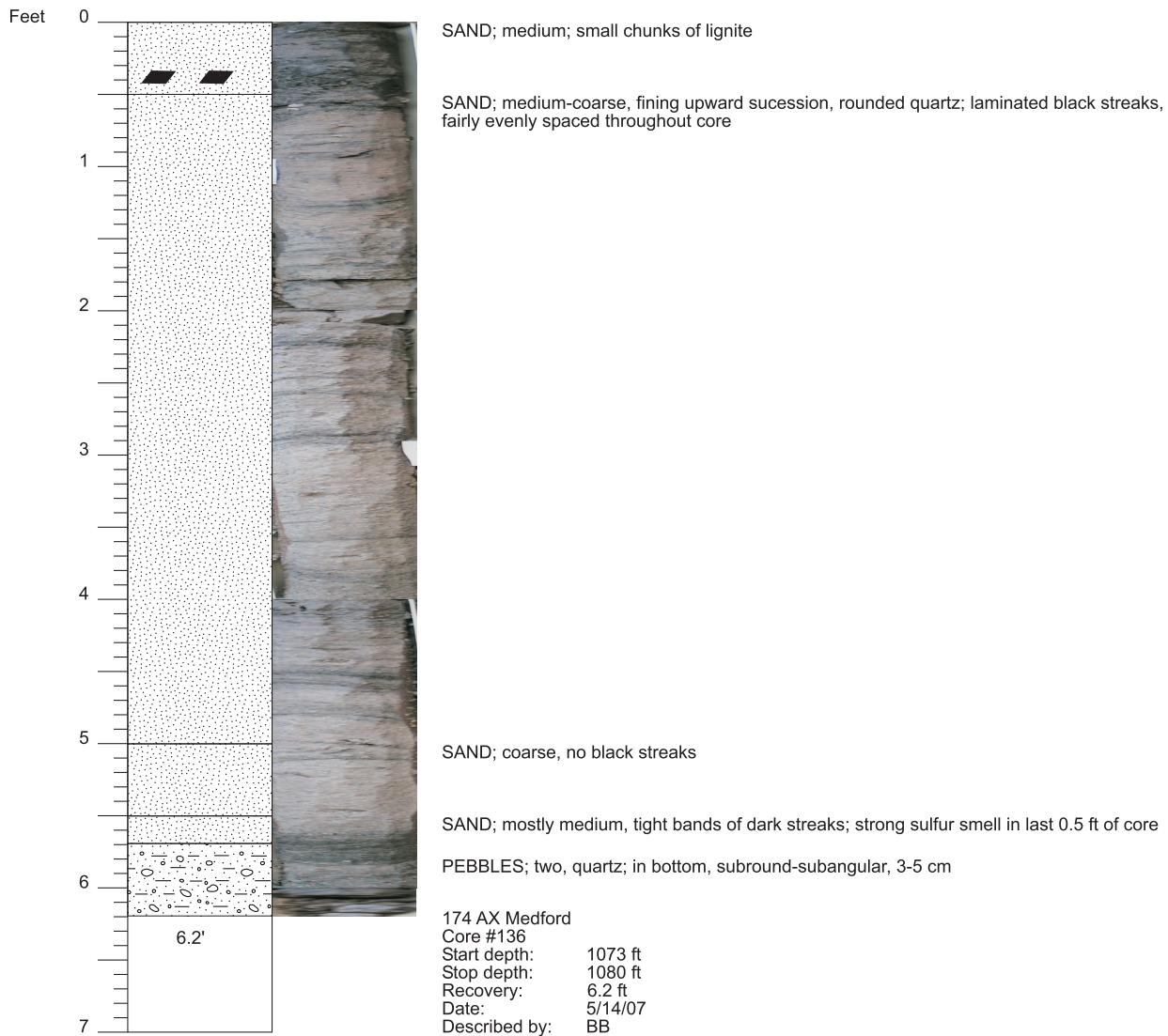


NO RECOVERY; barrel never latched in

174 AX Medford
Core #135
Start depth: 1070 ft
Stop depth: 1073 ft
Recovery: 0.0 ft
Date: 5/13/07
Described by: BB

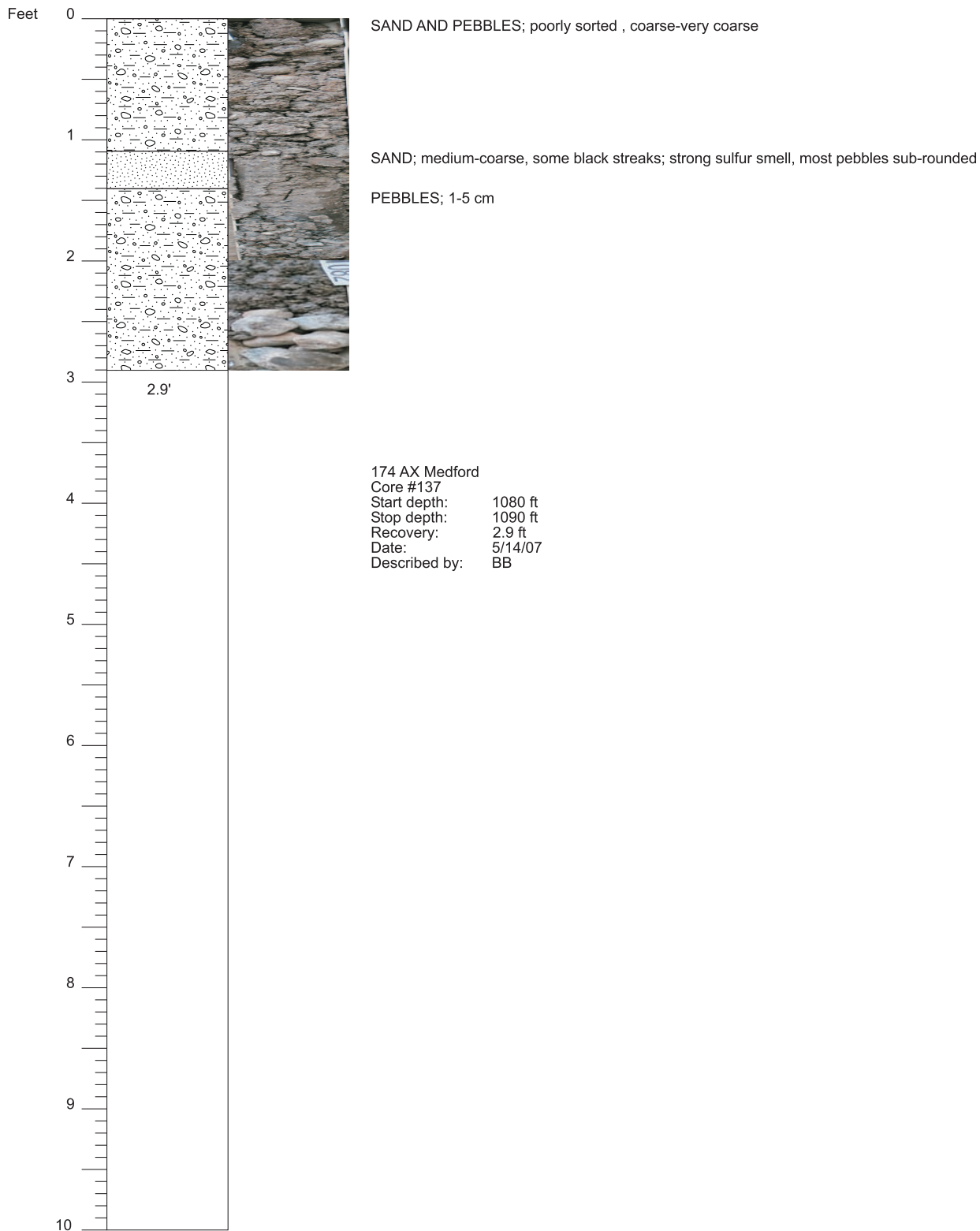
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, MEDFORD SITE

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Key

	sand		peat/lignite
	sandy clay/silt		pebbles/granules
	silty clay/clayey silt		shells
	silt		cross beds
	clay		laminations
	pebbles/granules		burrows
	indurated		pyrite
	calcarenite		glauconite
	glauconite sand		
	glauconitic clay		