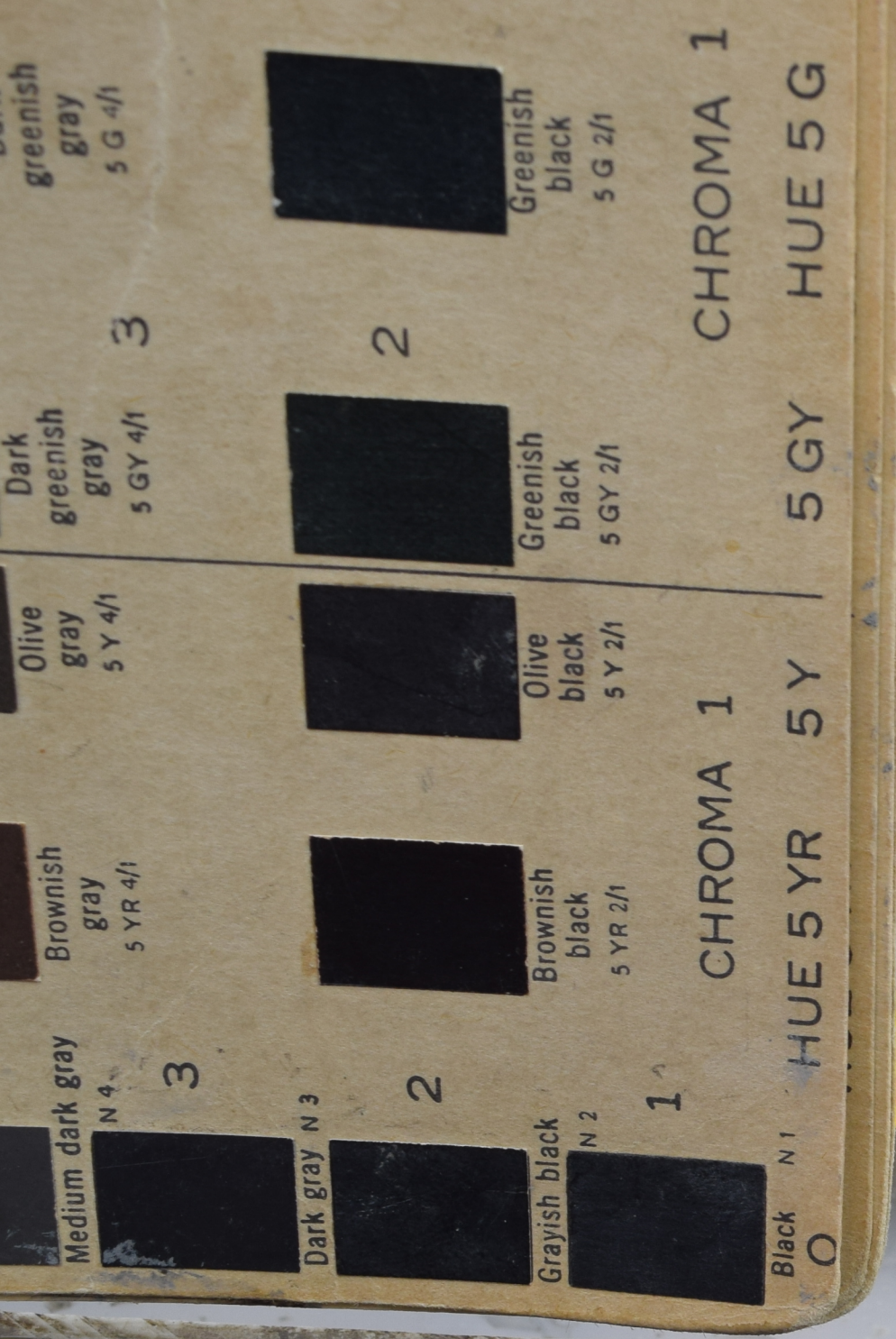
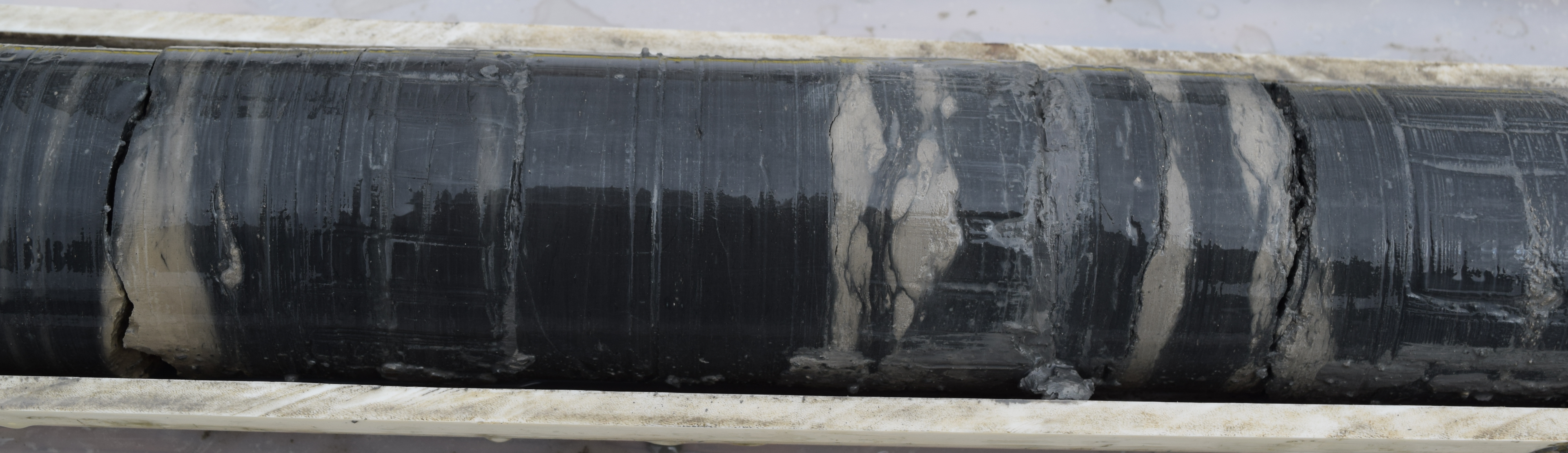
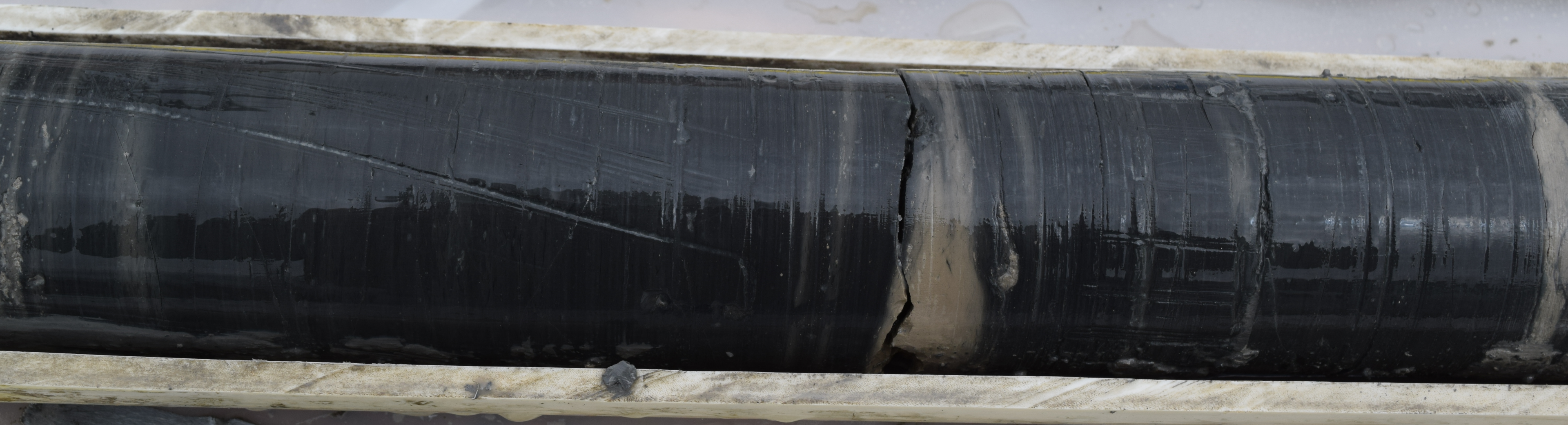
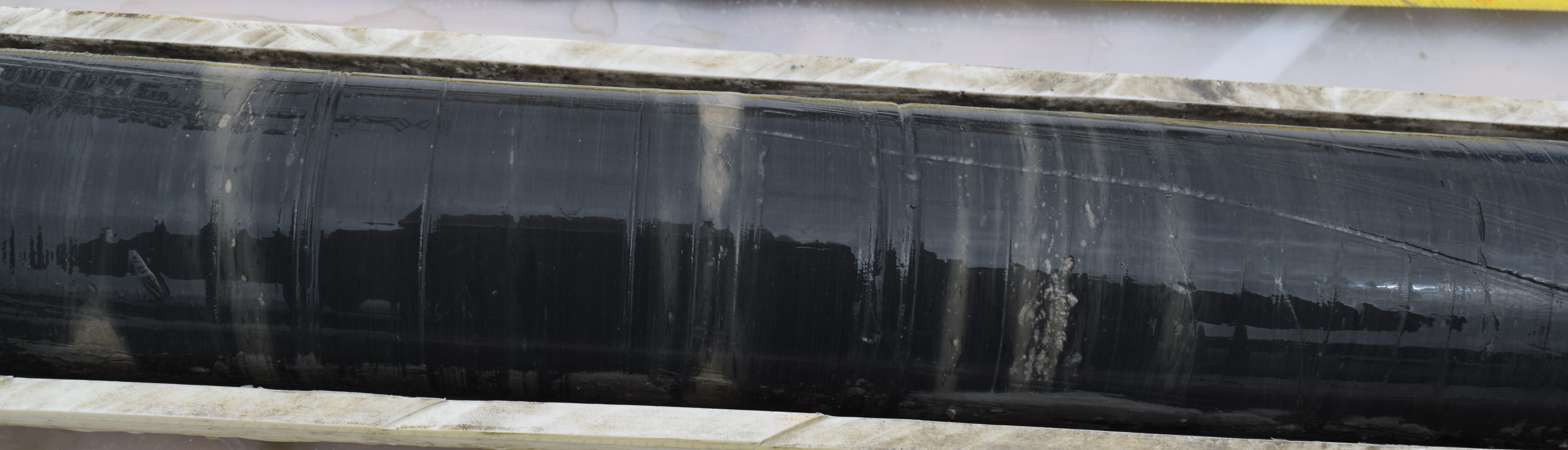
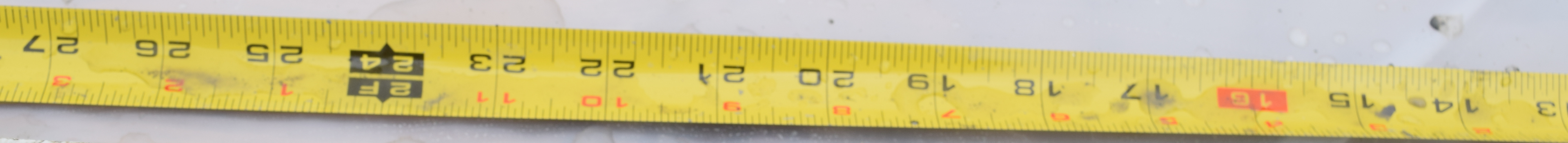








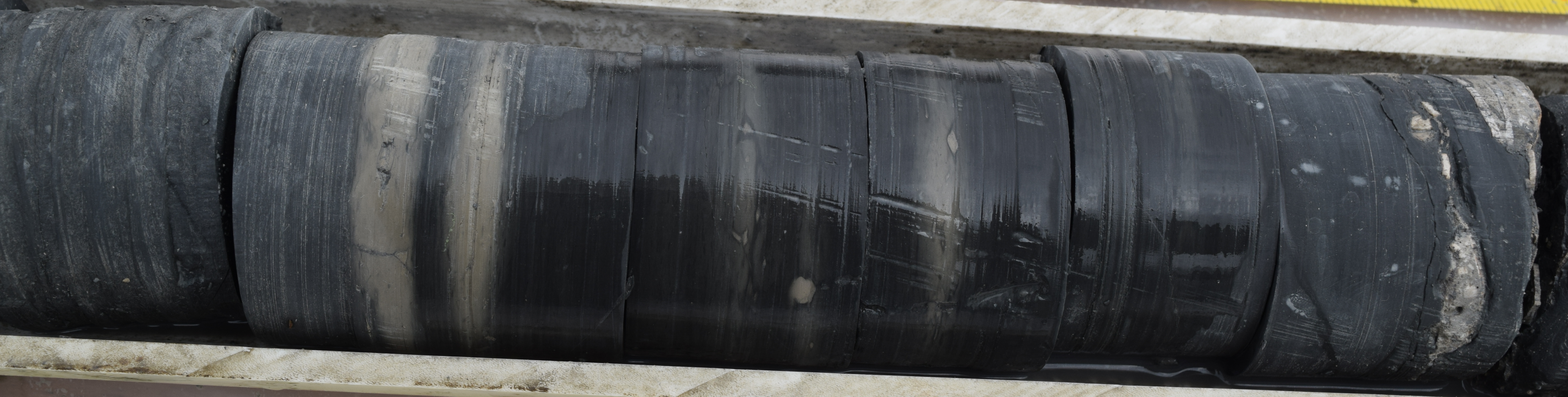














RESPEC

RAPID CITY, SD

CORE LOG DATA SHEET

CORE RUN #

PAGE OF

Presho 2 4-21-2015

SITE

CORE BARREL LENGTH

CORE BARREL DIAMETER

TOP CORE INTERVAL

BOTTOM CORE INTERVAL

LENGTH CORED INTERVAL

RECOVERY

TIME RECOVERED

DATE RECOVERED

RUN RQD

LOGGED BY

Depth	Interval		Lith	RQD	Description
	From	To			
479				59"	Grey shale; well indurated; frequent partings; concretions. Numerous throughout; numerous concretions zone begins at 475.25'; concretions ~0.5" thick; pyrite visible and fresh; concretions are light tan. P2SS-2 at 484'
484				53"	Gas bubbles in the returns starting at depth of 485.5' 485.5'. Foaming at 487'. 487.5' has no foam (took picture w/ bubbles - foam - no foam; took picture of small spots on returns at 488.75'. Description: Grey shale with frequent concretion layers; layers approximately 3 layers per foot; Fossil hatched zone 1/2" thick at 485.5'; irregular concretion layer at 485'; Fossil hatched 1/2" thick at 487.5'; burrowed concretion (ovate) at 488.5'. Color of shale: NI
					Color of Concretion: Grayish orange pink.
					No obvious sign where gas, if any, would have originated in the core. The two fossil hatched zones are a possibility.
489					

RESPEC
RAPID CITY, SD

CORE LOG DATA SHEET

CORE RUN #

PAGE OF

SITE Presho 2 4-21-2015

CORE BARREL LENGTH

CORE BARREL DIAMETER

TOP CORE INTERVAL

BOTTOM CORE INTERVAL

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RUN RQD

LOGGED BY

Depth	Interval		Lith	RQD	Description
	From	To			
479					Grey shale; well indurated; frequent partings; concretions numerous throughout; numerous concretions zone begins at 475.25'; concretions ~0.5" thick; pyrite visible and fresh; concretions are light tan. P2SS-2 at 484'
#2				59"	
484'				53"	Gas bubbles in the returns starting at depth of 486 ^{485.5} '. Foaming at 487'. 487.5' has no foam (took picture of bubbles - foam - no foam; took picture of small spots on returns at 487 ^{488.75} '. Description: Grey shale with frequent concretion layers; layers approximately 3 layers per foot; Fossil hesh zone 1/2" thick at 485.5'; irregular concretion layer at 485'; Fossil hesh ~1/2" thick at 485 ^{487.5} '; burrowed concretion (ovate) at 488 ^{488.5} '. Color of shale: N1
#3					Color of Concretion: Grayish orange pink.
488					No obvious sign where gas, if any, would have originated in the core. The two fossil hesh zones are a possibility.
489					1' is covered in concretions; in covered zone, concretions are light tan & white. At 489' is a large white tube (or flex tube) PVC

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