

RESPEC
RAPID CITY, SD

CORE LOG DATA SHEET

CORE RUN # _____
PAGE 3 OF _____

SITE _____
CORE BARREL LENGH _____
CORE BARREL DIAMETER _____
TOP CORE INTERVAL _____
BOTTOM CORE INTERVAL _____
LENGTH CORED INTERVAL _____

RECOVERY _____
TIME RECOVERED _____
DATE RECOVERED 9-10-14
RUN RQD _____
LOGGED BY _____

Depth	Interval		Lith	RQD	Description
	From	To			
99					claystone & shale to about 3'
94	91.25	94		7'5"	more massive claystone below w/ numerous shell frags still some fissile partings
99	97		7'4"	7'4"	claystone & shale 1/2" bent @ 10" lower irregular to shell frags
104	101.5			7'8"	claystone some fissile partings 2' bent @ 2'2" distorts?
109	106.5			7'5"	claystone & shale more shaly @ top 1/2" bent @ 3" 1/2" to shells broken concave 1" @ 6'10"
114	111			8'4"	claystone to shaly some fissile partings 1/2" bent @ 9" 1/2" bent @ 14"
119	117			7'11"	claystone 6" bent @ 18" 1/2" within bent 1" dark concave? fizz hard

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CORE RUN # 2
PAGE 2 OF 2

SITE Prosho Hole
CORE BARREL LENGTH _____
CORE BARREL DIAMETER _____
TOP CORE INTERVAL _____
BOTTOM CORE INTERVAL _____
LENGTH CORED INTERVAL _____

RECOVERY _____
TIME RECOVERED _____
DATE RECOVERED 9-10-14 50' windy
RUN RQD _____
LOGGED BY _____

Depth	Interval		Lith	RQD	Description
	From	To			
67				0.7	lt olive gray & olive gray wx shale some oxidate sl conc 1 1/2" bent @ tip  banded weathering lighter color in weathered zone
69	69			3 1/4	lt olive gray - olive gray claystone still conc P2-SS-C2 As above but some are seen a bit fissile shl wx
74	73			6	tr. sh. to shells P3-SS-C3 Med gray - med dk gray N's N4 alt conc to shells claystone P4-SS-C4 Med gray - med dk gray claystone some fiss zone tr. shells 86-87 feet drill water turning lighter color
79	77			5	some wavy laminations E.S. 83.25 8' 1/2" bent @ 3' 8" 2" bent @ 5' 5" 4" bent @ 7' 6"
84				8	
89	87			6.5	med dk gray claystone & shale (fissile) tr. shells

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CORE RUN # 8

PAGE 1 OF 1

SITE Presho Mole

CORE BARREL LENGTH

CORE BARREL DIAMETER

TOP CORE INTERVAL

BOTTOM CORE INTERVAL

LENGTH CORED INTERVAL

RECOVERY

TIME RECOVERED

DATE RECOVERED 9-8-17 90° & swing

RUN RQD

LOGGED BY

Depth	Interval		Lith	Recovery RQD	Description
	From	To			
0					solid stem auger
			cuttings		lt brn - brn silty clay (Loess?)
					calcareous
				35'	Captured P-1 sample - This is from Return line -
					Calcareous brown silty mud.
52 ft					weathered brown clay - Probably weathered Pierre shale
					P-2 taken at 53 ft
53					light brown greasy cuttings - appear to be in shale.
54					
					Augr to 67'
99-14 70° 7-storms					set PVC casing to 67'