

RESPEC

CORE LOG DATA SHEET

CORE RUN # _____

PAGE OF

10-27-2014

SITE Fresh

CORE BARREL LENGH _____

CORE BARREL DIAMETER _____

TOP CORE INTERVAL _____

BOTTOM CORE INTERVAL _____

LENGTH CORED INTERVAL _____

RECOVERY _____

TIME RECOVERED _____

DATE RECOVERED _____

RUN RQD _____

LOGGED BY _____

Depth	Interval		ROD	Description
	From	To		
(84)			45"	1" tan Concretion (?) at top; grey shale; fossil hesh at 452'; thin concretion at 452.5' (1/4" thick); vague concretions (2) at 453.5' (2 1/2" thick each).
(85)			67"	Greys shale with many bentonites (?) layers (~ 4 layers per foot), non calc. non fossiliferous. PW-10 taken from top of core.

RESPEC
RAPID CITY, SD

CORE LOG DATA SHEET

CORE RUN # _____
PAGE _____ OF _____

10-28-2014

SITE Respec
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			
86				46"	Grey shale with many concretions (~1/2 per foot) 61 min Coring time @ 1033 Fracture at 462.5'
87				55"	Grey shale with many concretions 64 min @ 1141 Concretions ~ 1/4 - 1/2" thick and ~ 1.5" in diameter. Concretions ~ 4-5 per foot. Concretions yellowish grey 5Y 7/2; a few shells; non calcareous matrix
88				14"	Recovered 7" of dark shale N3 - no concretions; Very indurated - going back in to try to recover more. Top section of 7" has a Pyrite-rich worm burrow (?) approximately 1/2" in width though these are more common on further investigation. May just be associated with bedding. Recovered additional 7" of light grey very calcareous material. <u>OTD</u> very calcareous with less calcareous at top and bottom (calcareous bed ~ 4" thick) - very indurated (very). Put all Core into PW-11 (top) and PW-12 (bottom with carboniferous). Core 88a = PW-11 Core 88b = PW-12 Recovered additional 1ft out of pipe after pulling rods. Not known exact footage called 88C

474

Top 88C = PW-13
Bottom 88C = PW-14
PSS-88C
Supplemental
Sample
from
bit

RESPEC

CORE LOG DATA SHEET

CORE RUN # _____

PAGE OF__

SITE Pres Lo

CORE BARREL LENGTH

CORE BARREL DIAMETER _____

TOP CORE INTERVAL

BOTTOM CORE INTERVAL _____

LENGTH CORED INTERVAL

10-29-2014

RECOVERY

TIME RECOVERED _____

DATE RECOVERED _____

RUN RQD _____

LOGGED BY _____

Depth	Interval		Lith	RQD	Description
	From	To			
89				63"	Grey shale matrix with many fan concretions (~12 per ft). Three inch limestone bed at 475' and another at 478.5'. The lms at 478.5 has an irregular bottom contact which varies in thickness from two inches to 1/2".