

RESPEC

CORE LOG DATA SHEET

CORE RUN # _____

PAGE OF

SITE Fresho

CORE BARREL LENGH _____

CORE BARREL DIAMETER _____

TOP CORE INTERVAL _____

BOTTOM CORE INTERVAL _____

LENGTH CORED INTERVAL _____

RECOVERY _____

TIME RECOVERED _____

DATE RECOVERED _____

RUN RQD _____

LOGGED BY _____

9-15-2014

[illegible]

RESPEC
RAPID CITY, SD

CORE LOG DATA SHEET

CORE RUN # _____
PAGE ____ OF ____

9-16-2014

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			
14	123	124	CLAY shale	1ft (Recovered 8 inches)	bentonite non calcareous PSS-14 (~123.5ft) well indurated dark gray to gray black, Rusty streaks (oxidation?) small shell fragments N3
15	124	129	CLAY shale	9'7" (Recovered 3' from last run)	- Varying degrees of induration, but overall well indurated (clumps of crumbs starting @ 126ft) - small shell fragments N3 - dark gray to grayish black - massive, few bentonite streaks PSS-15
16	129	134	shale	6'2"	- massive - well indurated - shell fragment - bentonite streaks N3
17	134	139	shale	5'	well indurated @ 134' (~137'9") inoceramids fragment? and @ 134' N3 color massive
18	139	144	shale	7'3 1/2" (cored 5')	massive N3 color overall shell fragments 2" bentonite @ 142' - color (N7-N8) 2" BENTONITE @ 140' N7-N8 5ft hole - 7ft core calcareous shales @ 144' Not above CALCAREOUS NEAR BASE P-Pw 2 out of 18 at 142ft
19	144	149	shale	5'2"	Massive (N3) overall shell fragments - 5/16 3/4 - 4/4 shell bed @ 144' bentonite streaks (N7-N8) calcareous shales near 149'
20	149	154	shale	7'8" (Recovered 7'8")	Med. Gray (N5) overall Many shell fragments (specks) throughout (white) bentonite bed @ 154' (pyrite?) Bronze hard to discern from core cake
21	154	157	shale	2'6" recovered	MED GRAY SHALE (N4-N5), UNIFORM, NON CALCAREOUS upper 6" is no good. massive POSSIBLE SILICIFIED BENTONITE well indurated

RESPEC
RAPID CITY, SD

CORE LOG DATA SHEET

CORE RUN # _____
PAGE ____ OF ____

9-17-2014

SITE Presho
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			
(22)			Shale	2' 4"	Short core from yesterday. N5 color N5 medium gray, well indurated; non-calcareous no shells; should be good for geomechanical testing.
159					
(23)			Shale	5' 7"	Color N4, medium dark gray well indurated non-calcareous no shells pyrite flecks
164					
(24)				35"	N4 Color 1315.25 massive gray shale, well intact; well indurated; may have lost core out bottom of core barrel; excellent core quality; 15" bentonite at 168.5'; no shells no calcareous. Ammonite on the split at 168-32". Took two pictures. No PSS-24 because core too good.
169					
(25)					No Recovery 8' 9" / 10' 11" / 16' 11" / 17' 11"
174				80"	N4 color, medium dark gray well indurated well intact slightly calcareous bedding plane partings bentonite at 171.5' 1/2" thick 168.5' 1/2" thick P-PW-3 172'