


United States Nuclear Regulatory Commission Official Hearing Exhibit	
In the Matter of: CROW BUTTE RESOURCES, INC. (License Renewal for the In Situ Leach Facility, Crawford, Nebraska)	
	ASLBP #: 08-867-02-OLA-BD01
	Docket #: 04008943
	Exhibit #: NRC-036-00-BD01
	Admitted: 8/18/2015
	Rejected:
	Other:

Chapter E – Geology and Seismology

Table E.2-2 North Trend Representative Stratigraphic Section

DEPTH (FT-BGS)	GROUP	FORMATION & MEMBER (SCHULTZ AND STOUT, 1955)		FORMATION & MEMBER (REVISED)		REFERENCES (REVISED)	
25-110	White River Group	Brule Formation	Whitney Member		Brule Formation	"Brown Siltstones"	LaGarry (1998)
			Orella Member			Whitney Member	
			Orella D	Orella Member		Orella Member	
			Orella C				
			Orella B				
Orella A							
110-290		Chadron Formation	Upper Chadron	Chadron C	Chadron Formation	Big Cottonwood Creek Member	Terry (1998) Terry & LaGarry (1998)
~290-390			Upper/Middle Chadron	Chadron B			
390-615			Middle Chadron	Chadron A			
400-700			Red Clay Horizon		Upper Interior Paleosol	Terry (1998)	
	Basal Chadron Sandstone		Channel Sandstone		Terry (1998)		
Varying	Montana Group		Pierre Shale	Interior Paleosol		Pierre Shale	Yellow Mounds Paleosol
659+		Pierre Shale		Pierre Shale	Terry (1998)		

NOTES:

- 1) Topsoil, colluvial and alluvial deposits are not shown, but are Quaternary in age and range in thickness from 0 to 25 ft-bgs.
- 2) ft-bgs = feet below ground surface