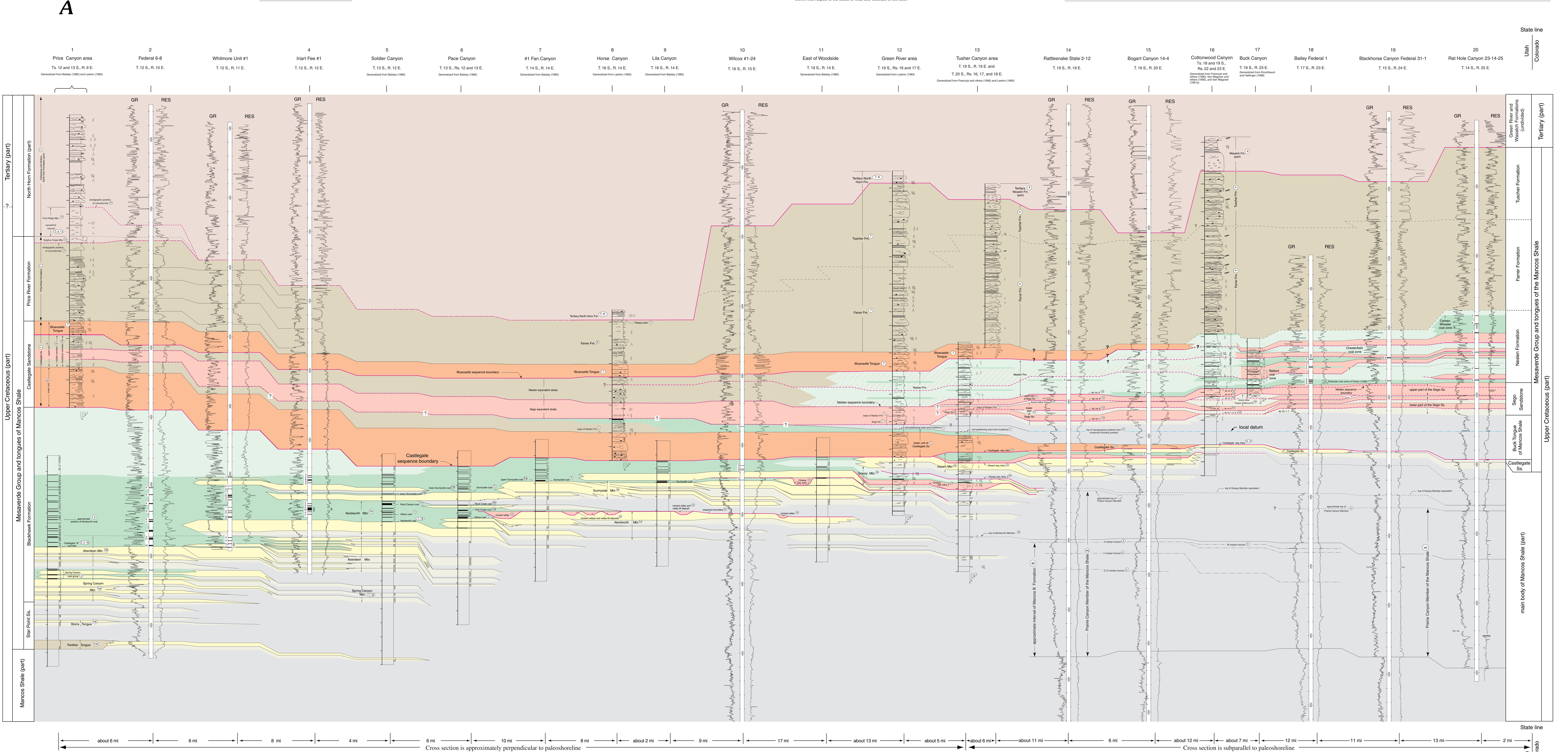


(SHEET 1 OF 2)
Pamphlet accompanies map

ill holes and measured sections shown along cross section A-A'

(API No.), Formation (Fm.), Member (Mbr.), Sandstone (Ss.), Shale (Sh.). n.a., not applicable where locality is represented by a measured section]

Locality No.	Elev. of kelly bushing (ft)	API No.	Company or referenced report	Name of drill hole or measured section	Location (locations within brackets are approximate)	Comment
hawk Fm. and Star were described by 1980).	16	n.a.	Franczyk and others (1990).	Cottonwood Canyon	T. 18 S., R. 22 E., sec. 32; T. 19 S., R. 22 E., secs. 4, 12, 13.	The Neslen, Farrer, Tuscher, and Wasatch Fms. were described by Franczyk and others (1990).
Horn, Price River, legate Fms. were d by Lawton (1983).			Van Wagoner and others (1990).	Cottonwood Canyon	T. 19 S., R. 23 E., sec. 18	The Mancos Sh., Castlegate Ss., Sego Ss., and Buck Tongue of the Mancos Sh. were described by Van Wagoner and others (1990). Sequence boundaries in the Sego were described by Van Wagoner (1991a).
	17	n.a.	Kirschbaum and Hettinger (1998).	Buck Canyon	T. 19 S., R. 23 E., sec. 3	
	18	5,950	43-019-30708 Texas Oil & Gas	Bailey Federal 1	T. 17 S., R. 23 E., sec. 9	
	19	8,273	43-047-30765 Arco Oil and Gas	Blackhorse Canyon Federal 31-1.	T. 15 S., R. 24 E., sec. 31	
	20	7,257	43-047-32705 Amoco Production	Rat Hole Canyon 23-14-25	T. 14 S., R. 25 E., sec. 23	
	21	8,317	05-045-06157 Taiga Energy	1-5-23	T. 5 S., R. 104 W., sec. 23	
	22	6,431	05-045-06246 Fuel Resources Development.	B-12-6-104S Young Cattle	T. 6 S., R. 104 W., sec. 12	
	23	7,395	05-045-06291 Devon	Federal 1-30	T. 6 S., R. 102 W., sec. 30	
	24	6,030	05-045-06478 Dyco Petroleum	Mesagar Federal 20-1	T. 7 S., R. 101 W., sec. 20	
	25	6,560	05-045-06017 Petro-Lewis	Coal Gulch 15-9	T. 8 S., R. 101 W., sec. 9	
	26	7,115	05-077-08551 Walter S. Fees	Belco Federal 19-1-800	T. 8 S., R. 100 W., sec. 19	
	27	7,115	05-077-08518 Koch Exploration.	Winter Flat 1-10-100	T. 9 S., R. 100 W., sec. 10	
	28	6,472	05-077-08415 Coors Energy	USA-1-8 MR	T. 10 S., R. 99 W., sec. 8	
	29	4,840	U.S. Geological Survey (Eager, 1978).	CA-77-2	T. 10 S., R. 98 W., sec. 13	Facies interpretations are from our descriptions of core collected by Eager (1978).
	30	10,009	05-077-08271 Dyco Petroleum	Sommerville # 1	T. 11 S., R. 97 W., sec. 26	
	31	10,191	05-077-05011 Pacific Natural Gas	Smith 1-C	T. 11 S., R. 95 W., sec. 30	
	32	10,133	05-029-05031 Apache	Michelson-2	T. 11 S., R. 94 W., sec. 34	
	33	9,825	05-029-05001 Sunray Mid-Continent Oil.	Colorado Federal C-1	T. 12 S., R. 92 W., sec. 8	
	34	7,699	05-029-06027 Amoco Prod.	Bowie Unit #1	T. 12 S., R. 91 W., sec. 15	
	35	7,043	05-051-06003 Petro-Lewis	Hotchkiss 3-11	T. 12 S., R. 90 W., sec. 11	



VERN PART OF CROSS SECTION A-A', UNTA BASIN, UTAH

STRATIGRAPHY OF THE UPPER CRETACEOUS MANCOS SHALE (UPPER PART) AND MESAVERDE GROUP IN THE SOUTHERN PART OF THE UNTA AND PICEANCE BASINS, UTAH AND COLORADO

By
Hettinger and M.A. Kirschbaum
2002