

Table 1.—Analysis of two samples from drill holes in the Old Woman Plateau quadrangle, Sevier County, Utah

As received (percent)	Moisture free (percent)	Moisture- and mineral-matter-free (percent)
*Drill hole: W-LCC-12a-OWP sec. 34, T. 22 S., R. 4 E. Depth: 810.4-813.7 ft (Acord Lakes coal zone)		
Proximate analysis		
Moisture	8.4	N/A
Volatile matter	38.2	41.7
Fixed carbon	40.7	44.5
Ash	12.7	13.8
Heating value (Btu/lb)	10,918	11,922
Rank: High-volatile B bituminous		13,834
Ultimate analysis		
Hydrogen	6.0	5.5
Carbon	61.4	67.0
Nitrogen	1.3	1.4
Sulfur	0.5	0.6
Oxygen	18.2	11.7
Ash	12.7	13.8
Free-swelling index	0.0	
Ash - Initial deformation	2,450° F	
Softening temperature	2,540° F	
Fluid temperature	2,660° F	
Sulfur forms		
Sulfate	0.01	0.01
Pyritic	.22	.24
Organic	.25	.32
**Drill hole: W-LCC-13-OWP sec. 22, T. 23 S., R. 4 E. Depth: 75.7-759.2 ft (Knight coal zone)		
Proximate analysis		
Moisture	11.2	N/A
Volatile matter	33.6	37.9
Fixed carbon	41.2	46.3
Ash	14.0	15.8
Heating value (Btu/lb)	10,065	11,340
Rank: High-volatile B bituminous		13,468
Ultimate analysis		
Hydrogen	5.4	4.7
Carbon	58.3	65.7
Nitrogen	1.2	1.3
Sulfur	0.5	0.6
Oxygen	20.6	11.9
Ash	14.0	15.8
Free-swelling index	0.0	
Ash - Initial deformation	2,800° F	
Softening temperature	2,800° F	
Fluid temperature	2,800° F	
Sulfur forms		
Sulfate	0.01	0.01
Pyritic	.19	.22
Organic	.32	.42

*No. 122 on map.
*No. 117 on map.

Table 2.—Oil and gas data from three drill holes in the Old Woman Plateau quadrangle, Sevier County, Utah

Operator, lease, and location	Total depth (ft)	Completion date	Status	Deepest formation drilled
J. Hiram Moore 1 Corral-Federal sec. 2, T. 24 S., R. 4 E.	4,100	10-16-77	*D&A	Cedar Mountain
J. Hiram Moore 1 Johnson sec. 31, T. 23 S., R. 5 E.	3,344	6-16-77	*D&A	Cedar Mountain
J. Hiram Moore 1 Old Woman-Federal sec. 2, T. 23 S., R. 4 E.	5,740	11-20-77	*D&A	Cedar Mountain

*Drilled and abandoned.

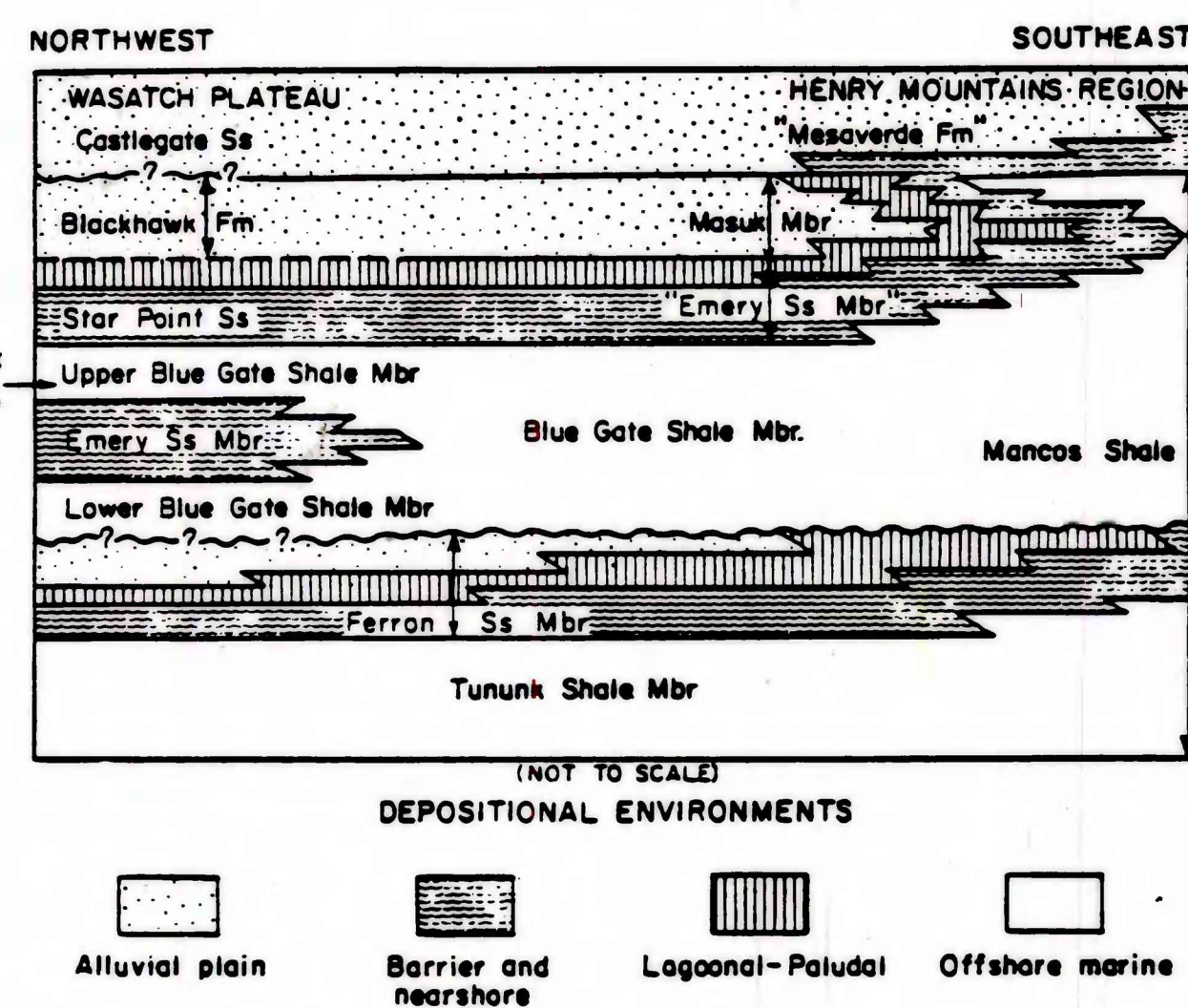
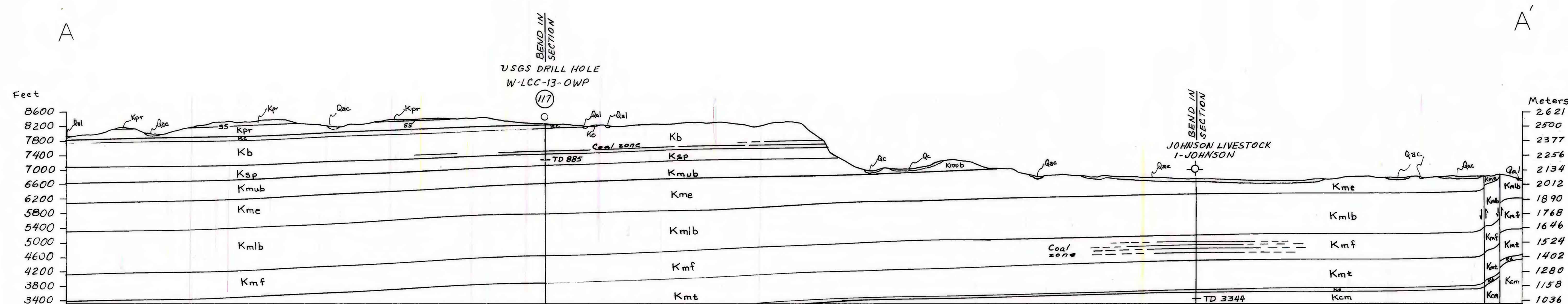
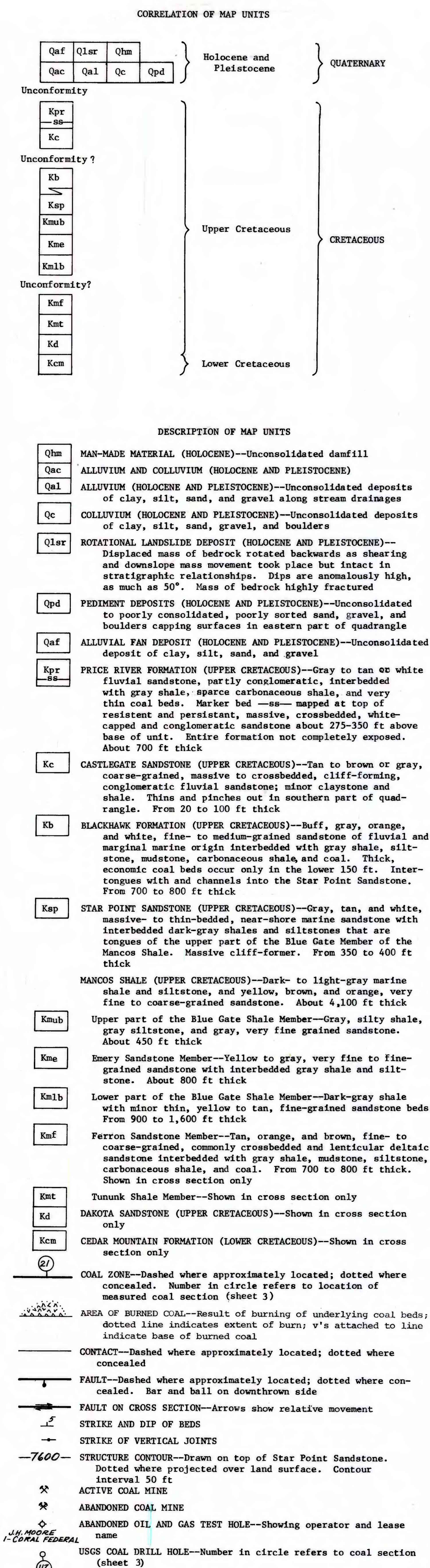


Figure 1.—Diagrammatic restored section from the Wasatch Plateau to the Henry Mountain region, showing depositional environments and correlation of units. Names in quotation marks are considered improperly used. Adapted from Peterson and Ryder (1975, fig. 6, p. 183).



GEOLOGIC MAP AND COAL SECTIONS OF THE OLD WOMAN PLATEAU QUADRANGLE, SEVIER COUNTY, UTAH

By
L. F. Blanchard and J. D. Sanchez
1983

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.