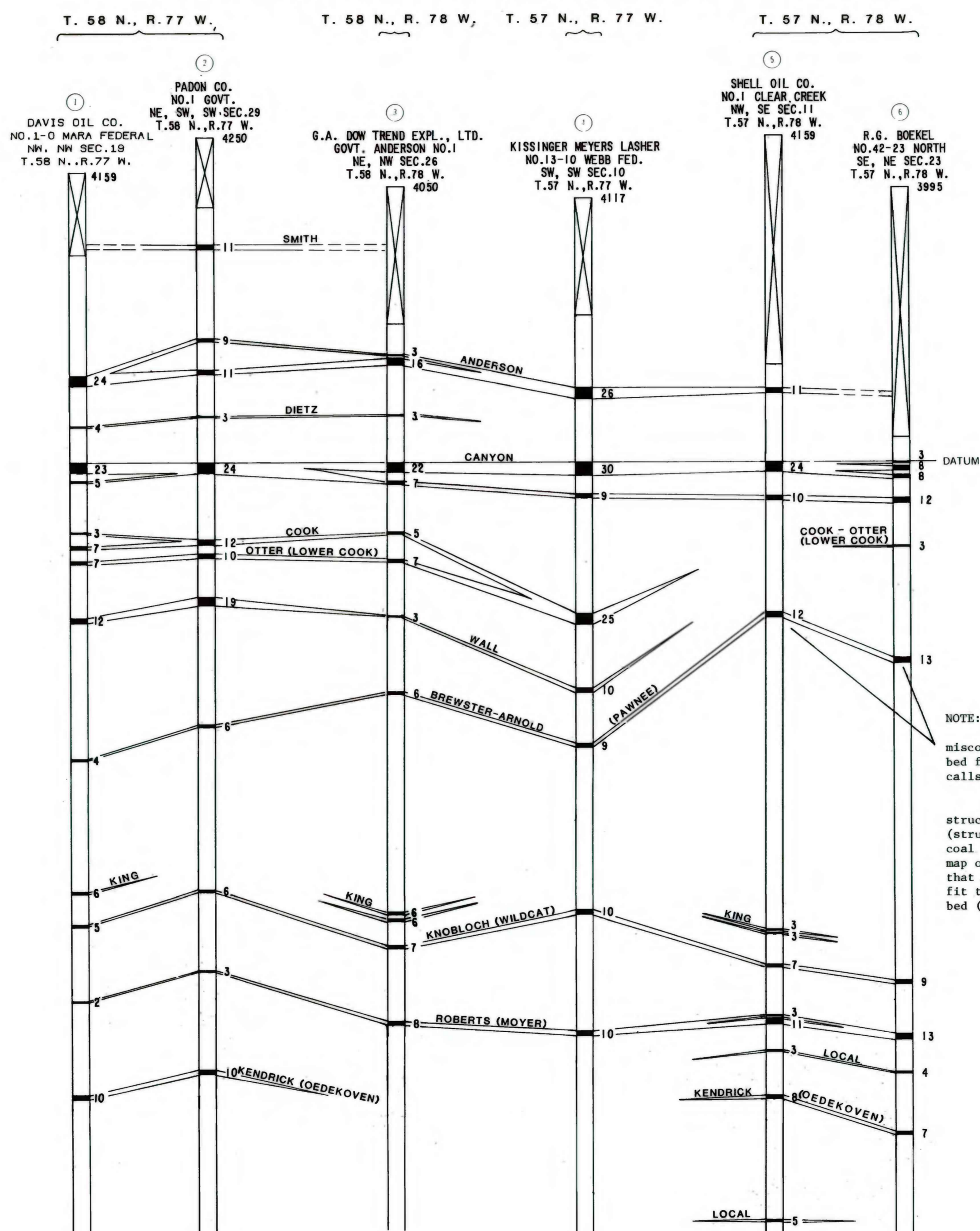


COMPOSITE COLUMNAR SECTION

SYSTEM	SERIES	FORMATION	COAL BED NAMES	LITHOLOGIC DESCRIPTION	
TERTIARY	PALEOCENE	FORT UNION	1	Arvada	1. Siltstone and claystone, gray, interbedded
			2	Roland of Baker	2. Coal
			3	Waddle (Upper Smith)	3. Claystone, dark gray, interbedded with clayey siltstone and sandstone. Thin coquina bed at base
			4	Smith	4. Coal with carbonaceous claystone split
			5	Anderson	5. Interbedded sandstone, siltstone, and claystone
			6	Dietz	6. Coal, underlain by carbonaceous claystone
			7	Canyon	7. Interbedded sandstone, siltstone, and claystone
			8	Canyon	8. Coal
			9	Cook	9. Sandstone, light gray, fine grained; dark gray siltstone
			10	Otter (Lower Cook)	10. Claystone, gray-black, carbonaceous, gray siltstone at base
			11	Wall	11. Coal
			12	Brewster-Arnold (Pawnee)	12. Claystone, gray, silty; siltstone
			13	King	13. Coal
			14	Knobloch (Wildcat)	14. Claystone, dark gray, silty
			15	Roberts (Moyer)	15. Siltstone, sandstone, claystone, gray; grades down to coarse texture
			16	Local	16. Coal
			17	Kendrick (Oedekoven)	17. Claystone, gray, silty
			18	Local	18. Coal
			19	Local	19. Sandstone, gray, grading down to gray siltstone and dark gray claystone
			20	Local	20. Coal
			21	Local	21. Sandstone, gray
			22	Local	22. Coal
			23	Local	23. Sandstone, gray at top grading down to siltstone and claystone
			24	Local	24. Coal
			25	Local	25. Siltstone, gray; gray claystone above and below
			26	Local	26. Coal
			27	Local	27. Siltstone, gray, interbedded sandstone, claystone at base
			28	Local	28. Coal with carbonaceous claystone split
			29	Local	29. Claystone, gray, silty
			30	Local	30. Coal
			31	Local	31. Siltstone and claystone, gray, interbedded with sandstone, thin coal interbedded
			32	Local	32. Coal
			33	Local	33. Siltstone and claystone, gray, interbedded with sandstone, thin coal interbedded
			34	Local	34. Coal
			35	Local	35. Siltstone, gray, very sandy
			36	Local	36. Coal

CORRELATION OF COAL BEDS IN DRILL HOLES



EXPLANATION

Index number  
Company and well name  
Well location  
Elevation of drill hole at surface  
No record  
Rock interval  
Coal bed, showing thickness in feet

Meters  
Feet  
0  
25  
50  
75  
100  
125  
150

Vertical scale

COAL BED NAMES  
Arvada  
Roland of Baker  
Waddle (Upper Smith)  
Smith  
Anderson  
Dietz  
Canyon  
Cook  
Otter (Lower Cook)  
Wall  
Brewster-Arnold (Pawnee)  
King  
Knobloch (Wildcat)  
Roberts (Moyer)  
Kendrick (Oedekoven)  
Local

Dashed lines, indicating the projection of coal beds through drill sites where no record (NR) intervals exist, are for correlation purposes only and are not intended to portray either the structural elevation or the thickness of these coal beds.

NOTE:  
It is possible that the contractor has miscorrelated the 12- to 13-foot-thick coal bed found in drill holes (5) and (6) when he calls it the Brewster-Arnold (Pawnee) coal bed.  
A close inspection of the regional structure shown on this plate 3, on plate 50 (structure contour map of the Brewster-Arnold coal bed), and on plate 40 (structure contour map of the Cook-Otter coal zone) would indicate that these two coal occurrences would better fit the regional structure of the Cook coal bed (or possibly the Wall coal bed).  
USGS Monitor

COAL RESOURCE OCCURRENCE MAP OF THE CABIN CREEK NW QUADRANGLE,  
SHERIDAN COUNTY, WYOMING AND POWDER RIVER COUNTY, MONTANA  
BY  
IntraSearch  
1980