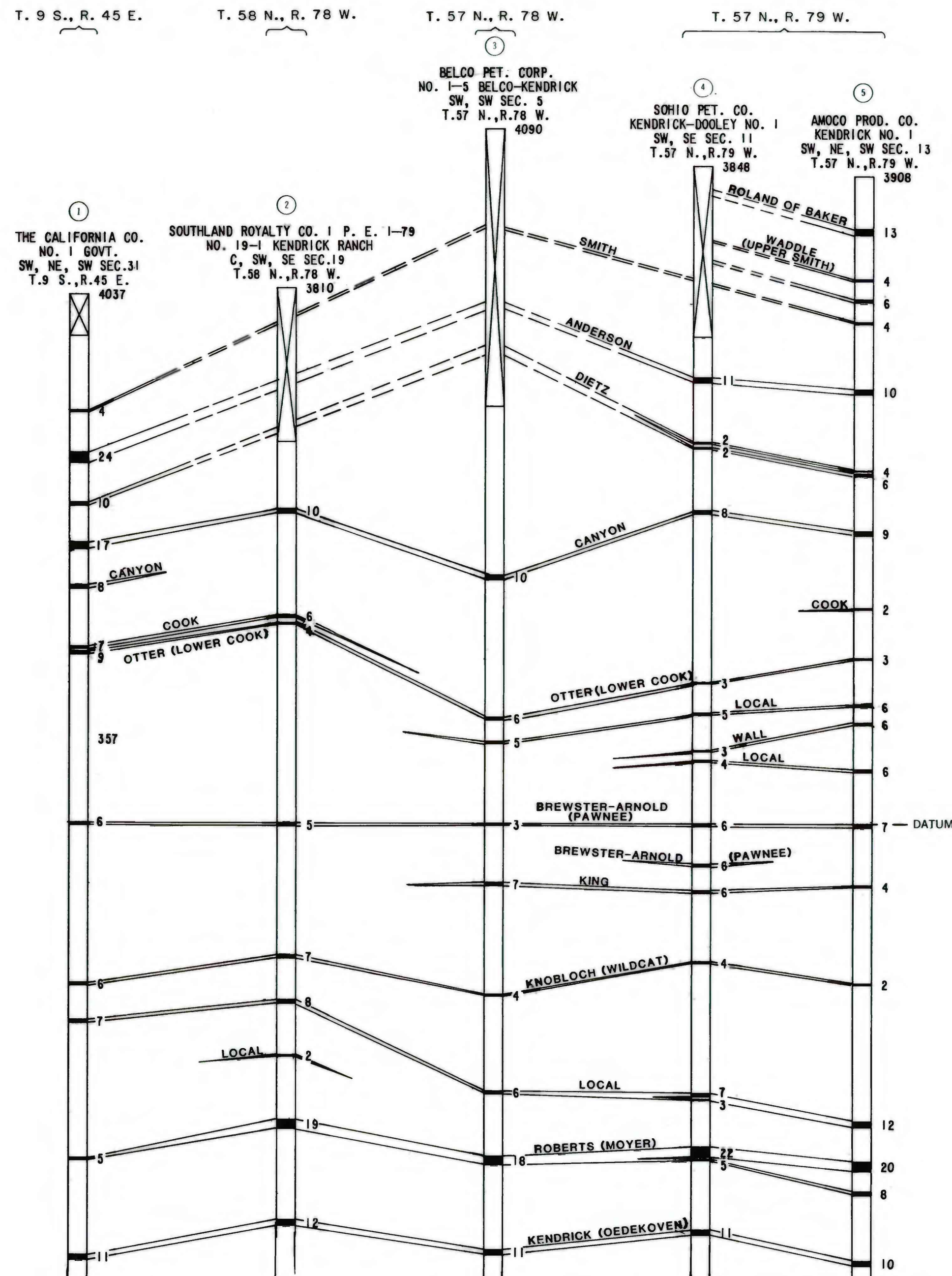


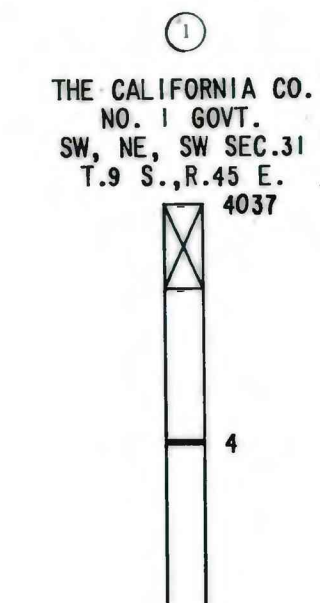
COMPOSITE COLUMNAR SECTION

SYSTEM	SERIES	FORMATION	COAL BED NAME	LITHOLOGIC DESCRIPTION
TERTIARY	Eocene	Wasatch	Arvada	1. Shale, gray to dark gray in erbedded with gray siltstone and fine-grained gray sandstone
			Roland of Baker	2. Coal 3. Shale, gray to brownish gray, interbedded with light gray siltstone and fine- to medium-grained sandstone, and a thin bed of molluscan coquina. Locally a thick sandstone bed near base. 4. Coal, locally split into two or three benches, separated by shale. 5. Shale, gray, and siltstone, yellowish gray, locally with thin coal bed
PALEOCENE	Fort Union	Local	Waddle (Upper Smith)	6. Sandstone, fine- to medium-grained, light gray to yellowish gray, forms persistent ledge and bench. Locally contains silty shale in middle.
			Smith	7. Shale, gray and sandstone, fine-grained, light gray. Locally containing thin zone of molluscan fossils.
			Anderson	8. Coal, locally impure 9. Shale, gray, siltstone, light gray, and sandstone, yellowish gray, fine-grained; locally contains thin coal bed.
			Dietz	10. Coal, contains abundant petrified wood 11. Sandstone, light gray, fine-grained; siltstone, gray to light gray, and gray shale
			Canyon	12. Shale, carbonaceous, gray to brownish gray 13. Coal 14. Shale, gray, siltstone, light gray; and sandstone, fine-grained, light gray 15. Coal 16. Interbedded siltstone, light gray to gray shale, gray, and fine-grained sandstone, light gray to yellowish-gray
			Cook	17. Coal 18. Shale, dark gray, silty, very carbonaceous 19. Coal
			Otter (Lower Cook)	20. Interbedded siltstone, light gray to gray shale, gray, and fine-grained sandstone, light gray to yellowish-gray
			Local	21. Coal 22. Siltstone, gray to dark gray, carbonaceous 23. Coal
			Wall	24. Interbedded siltstone, light gray to gray shale, gray, and fine-grained sandstone, light gray to yellowish-gray
			Local	25. Coal 26. Interbedded siltstone, light gray to gray shale, gray, and fine-grained sandstone, light gray to yellowish-gray
			Brewster-Arnold (Pawnee)	27. Coal 28. Interbedded siltstone, light gray to gray shale, gray, and fine-grained sandstone, light gray to yellowish-gray
			King	29. Coal 30. Interbedded siltstone, light gray to gray shale, gray, and fine-grained sandstone, light gray to yellowish-gray
			Knobloch (Wildcat)	31. Coal 32. Interbedded siltstone, light gray to gray shale, gray, and fine-grained sandstone, light gray to yellowish-gray
			Local	33. Coal 34. Interbedded siltstone, light gray to gray shale, gray, and fine-grained sandstone, light gray to yellowish-gray
Local	35. Coal 36. Interbedded siltstone, light gray to gray shale, gray, and fine-grained sandstone, light gray to yellowish-gray			
Local	37. Coal 38. Interbedded sandstone, fine-grained, light gray to medium gray shale, light gray to gray to medium gray, silty.			
Local	39. Coal 40. Interbedded sandstone, fine-grained, light gray to medium gray shale, light gray to gray to medium gray, silty.			
Local	41. Coal 42. Interbedded siltstone, light gray to gray shale, gray, and fine-grained sandstone, light gray to yellowish-gray			
Local	43. Coal 44. Interbedded sandstone, fine-grained, light gray to medium gray shale, light gray to gray to medium gray, silty			
Local	45. Coal 46. Shale, light gray to gray, slightly carbonaceous			

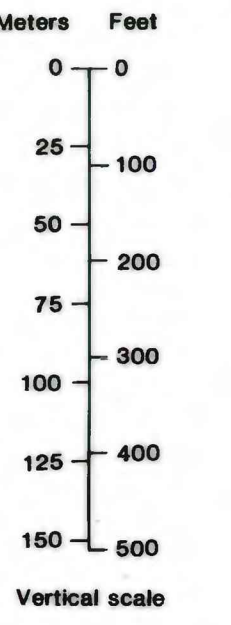
CORRELATION OF COAL BEDS IN DRILL HOLES



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



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.

COAL RESOURCE OCCURRENCE MAP OF THE BOX ELDER DRAW QUADRANGLE, SHERIDAN COUNTY, WYOMING, BIG HORN AND POWDER RIVER COUNTIES, MONTANA

BY
IntraSearch
1980