



EXPLANATION

2686 Measured stratigraphic section with field reference number—Last two digits indicate the year measured

○ Drill hole

● Corehole

—A—A' Line of stratigraphic correlation

Text references:

A-A' Roehler (1989b)
B-B' Roehler (1989c)
C-C' Roehler (1989d)
D-D' Roehler (1989e)
E-E' Roehler (1990a)
F-F' Roehler (1990b)
G-G' Roehler (1990c)
H-H' Roehler (1990d)
I-I' Roehler (1989f)
J-J' Roehler (1991a)
K-K' Roehler (1991b)

SOURCES OF DATA

Operator	Name	Location
1. U.S. Department of Energy	Wyoming No. 13	Sec. 6, T. 27 N., R. 108 W.
2. U.S. Department of Energy	Wyoming No. 12	Sec. 35, T. 27 N., R. 108 W.
3. U.S. Department of Energy	Wyoming No. 11	Sec. 31, T. 26 N., R. 108 W.
4. U.S. Bureau of Mines	Wyoming No. 1	Sec. 30, T. 23 N., R. 107 W.
5. Union Pacific Railroad Company	Blue Rim No. 44-19	Sec. 19, T. 21 N., R. 107 W.
6. Energy Research and Development	White Mountain No. 1	Sec. 7, T. 18 N., R. 106 W.
7. Energy Research and Development	Blacks Fork No. 1	Sec. 24, T. 24 N., R. 108 W.
8. Union Pacific Railroad Company	EI Pass No. 44-3	Sec. 3, T. 15 N., R. 109 W.
9. U.S. Department of Energy	Current Creek No. 1	Sec. 14, T. 14 N., R. 107 W.
10. U.S. Bureau of Mines	Washakie Basin No. 1A	Sec. 24, T. 14 N., R. 107 W.
11. U.S. Bureau of Mines	Washakie Basin No. 2	Sec. 17, T. 14 N., R. 99 W.
12. U.S. Bureau of Mines	Washakie Basin No. 2	Sec. 6, T. 14 N., R. 98 W.
13. Forest Oil Corporation	Government No. 1-29	Sec. 29, T. 24 N., R. 114 W.
14. Great Lakes Company	Pomeroy Ranch No. 21C	Sec. 21, T. 24 N., R. 113 W.
15. Santa Petroleum, Incorporated	Government No. 1	Sec. 8, T. 24 N., R. 111 W.
16. Chorney Oil Company	Broken Hand No. 1	Sec. 10, T. 24 N., R. 110 W.
17. Mountain Fuel Supply Company	Backhorn No. 1	Sec. 20, T. 24 N., R. 109 W.
18. Helco Petroleum Corporation	Sandy Bend No. 1	Sec. 3, T. 23 N., R. 108 W.
19. Mountain Fuel Supply Company	Windmill No. 1	Sec. 33, T. 23 N., R. 106 W.
20. Atlantic Richfield Company	ARCO No. 1	Sec. 18, T. 20 N., R. 111 W.
21. Trans Gulf Sulphur Corporation	No. 5-36-2011	Sec. 36, T. 20 N., R. 111 W.
22. Union Pacific Railroad Company	Perry No. 22-15	Sec. 15, T. 18 N., R. 108 W.
23. Mohawk-Fitzpatrick	Mountain Fuel No. 1	Sec. 8, T. 14 N., R. 115 W.
24. Pure Oil Company	Batchekankie Springs No. 1	Sec. 21, T. 14 N., R. 113 W.
25. Hells Estate	Big Hollow No. 16-1	Sec. 16, T. 14 N., R. 112 W.
26. The California Company	Dry Creek No. 1	Sec. 6, T. 14 N., R. 110 W.
27. J. M. Perkins	Corehole No. 1	Sec. 32, T. 15 N., R. 108 W.
28. Shell Oil Company	Pine Buttes No. 33-35	Sec. 35, T. 15 N., R. 99 W.
29. Gulf Oil Company	Trappers Trail No. 1	Sec. 34, T. 15 N., R. 97 W.
30. Sun Oil Company	Jenkins No. 1	Sec. 27, T. 15 N., R. 96 W.
31. Raymond Oil Company	Haystack No. 1	Sec. 1, T. 15 N., R. 95 W.
32. K. C. Keas Company	Keas No. 1	Sec. 8, T. 9 N., R. 98 W.
33. The Columbus Corporation	Government No. 1	Sec. 17, T. 9 N., R. 97 W.
34. C and K Petroleum	Gulf-Federal No. 1-19	Sec. 19, T. 9 N., R. 96 W.

Measured Stratigraphic Sections

Section No.	Name	Location
358	Parnell Creek	S5/8 sec. 24, N5/8 sec. 25, T. 25 N., R. 102 W.
958	Southeast Oregon Buttes	Secs. 11, 14, T. 26 N., R. 101 W.
1058	Morrow Creek	S5/8 sec. 25, N5/8 sec. 26, T. 25 N., R. 103 W.
960	Salt Wells	From NW1/4 sec. 9 to NW1/4 sec. 1, T. 14 N., R. 100 W.
168	Eocene Reference	Secs. 19, 20, 21, 27, 28, 35, 36, T. 14 N., R. 101 W., sec. 24, T. 16 N., R. 100 W., and sec. 20, 28, 29, 30, 32, 33, T. 16 N., R. 100 W.
258	Trail Dugway	Secs. 15, 16, 17, T. 14 N., R. 99 W.
768	Trail Dugway	SW1/4 sec. 17, SE1/4 sec. 18, NE1/4 sec. 19, T. 14 N., R. 99 W.
869	Red Creek	SE1/4 sec. 19, SW1/4 sec. 20, NW1/4 sec. 29, T. 13 N., R. 103 W.
869	Red Flats	E5/8 sec. 29, SW1/4 sec. 28, T. 13 N., R. 103 W.
1069	Red Creek	NW1/4 sec. 23, T. 13 N., R. 103 W.
1369	Meadow Gulch	S5/8 sec. 36, T. 13 N., R. 104 W., SW1/4 sec. 31, T. 13 N., R. 103 W.
1469	Klimes Cabin	SE1/4 sec. 1, T. 12 N., R. 104 W.
2069	Pine Mountain	E5/8 sec. 21, T. 12 N., R. 103 W.
2369	LaCade Station	NW1/4 sec. 21, SW1/4 and NE1/4 sec. 16, T. 12 N., R. 103 W.
2469	Laney Dugway	Secs. 14, 15, 23, 24, 25, T. 18 N., R. 97 W.
2569	West U.P. Springs	E5/8 sec. 32, T. 17 N., R. 104 W.
2969	Laney Point	SW1/4 sec. 3, T. 16 N., R. 100 W.
3069	East Flourens	SW1/4 sec. 23, T. 13 N., R. 99 W.
3269	South Barrel Springs Draw	Secs. 7, 8, T. 15 N., R. 93 W., sec. 11, 12, 14, 15, T. 15 N., R. 94 W.
3369	Ridge Road	NW1/4 sec. 4, NE1/4 sec. 5, T. 13 N., R. 93 W.
3469	Northwest Flat Top	Secs. 20, 29, 30, 31, T. 15 N., R. 93 W., sec. 6, T. 14 N., R. 93 W.
3569	Agate Quarry	Sec. 6, T. 17 N., R. 94 W., sec. 1, T. 17 N., R. 95 W., sec. 36, T. 18 N., R. 95 W.
3769	North Lookout Mountain	W1/4 sec. 30, T. 11 N., R. 98 W.
3869	Agate Quarry	NE1/4 sec. 3, T. 17 N., R. 95 W.
1870	Salt Wells	NW1/4 sec. 9, T. 14 N., R. 100 W.
1970	Alkali Creek	W1/4 sec. 1, NE1/4 sec. 2, T. 13 N., R. 100 W., SW1/4 sec. 36, SE1/4 sec. 35, T. 14 N., R. 100 W.
2770	Bradley Mine	NW1/4 sec. 16, NE1/4 sec. 17, T. 19 N., R. 94 W.
3170	West Tipton	N5/8 sec. 19, T. 18 N., R. 97 W.
3470	Northeast Table Rock	SW1/4 sec. 33, SE1/4 sec. 32, T. 19 N., R. 97 W.
3570	U.P. Cut	SE1/4 sec. 10, NE1/4 sec. 15, T. 19 N., R. 96 W.
3670	Tipton Station	NE1/4 sec. 17, T. 19 N., R. 96 W.
3970	Vermilion Creek	NW1/4 sec. 22, T. 12 N., R. 100 W.
4070	Vermilion Creek	NE1/4 sec. 15, T. 12 N., R. 100 W.
4170	Vermilion Bluffs	SE1/4 sec. 10, T. 12 N., R. 100 W.
1171	East Salt Wells	N5/8 sec. 36, T. 15 N., R. 101 W.
1371	Salt Wells Axis	N5/8 sec. 3, T. 14 N., R. 100 W., SE1/4 sec. 34, W1/4 sec. 35, T. 15 N., R. 100 W.
1471	Salt Wells Axis	S5/8 sec. 16, T. 14 N., R. 100 W.
1571	Salt Wells Axis	NE1/4 sec. 4, NW1/4 sec. 3, T. 14 N., R. 100 W.
1671	Salt Wells Axis	NE1/4 sec. 35, T. 15 N., R. 100 W.
1971	Salt Wells Axis	W1/4 NE1/4 sec. 4, T. 14 N., R. 100 W.
2271	Indian Point	N5/8 sec. 15, NW1/4 sec. 14, T. 15 N., R. 101 W.
2571	Lunan Point	N5/8 sec. 22, NE1/4 sec. 20, NW1/4 sec. 25, T. 17 N., R. 100 W.
2771	Sunny Peak	N5/8 sec. 5, T. 10 N., R. 96 W., SW1/4 sec. 32, T. 10 N., R. 96 W.
3069	Eocene Reference	NE1/4 sec. 21, T. 16 N., R. 100 W.
872	Tipton Dugway	SE1/4 sec. 33, T. 19 N., R. 96 W.
972	Rattlesnake Gulch	NW1/4 and S5/8 sec. 29, NE1/4 sec. 32, NW1/4 sec. 33, T. 10 N., R. 100 W.
1173	Laney Point	N5/8 sec. 4, W1/4 sec. 3, T. 16 N., R. 100 W.
273	South Antelope	E5/8 sec. 16, E5/8 sec. 21, W1/4 sec. 27, W1/4 sec. 34, T. 17 N., R. 99 W.
373	South Antelope	N5/8 sec. 9, NW1/4 sec. 10, T. 17 N., R. 99 W.
773	West Bitter Creek	NW1/4 sec. 8, SE1/4 sec. 7, E5/8 sec. 18, T. 17 N., R. 98 W.
2573	Northeast Hawatha	NE1/4 sec. 7, SE1/4 sec. 6, SW1/4 sec. 5, T. 12 N., R. 99 W.
3873	Northeast Hawatha	NE1/4 sec. 9, NW1/4 sec. 10, S5/8 sec. 3, T. 12 N., R. 99 W.
4073	South Shell Creek	N5/8 sec. 6, T. 11 N., R. 99 W.
4173	North Dry Fork	SE1/4 sec. 8, T. 11 N., R. 99 W.
4273	West Lookout Mountain	S5/8 sec. 20, NE1/4 sec. 29, W1/4 sec. 28, T. 11 N., R. 99 W.
4473	Overlap Three	E5/8 and NE1/4 sec. 20, T. 10 N., R. 100 W.
4573	Overlap Three	SW1/4 sec. 21, N5/8 sec. 28, T. 10 N., R. 100 W.
4673	Overlap Three	E5/8 sec. 36, T. 11 N., R. 101 W., W1/4 and SE1/4 sec. 31, T. 11 N., R. 100 W.
4773	Vermilion Bluffs	NW1/4 and E5/8 sec. 8, W1/4 sec. 9, N5/8 sec. 16, W1/4 and SE1/4 sec. 15, NE1/4 sec. 22, T. 10 N., R. 100 W.
5073	North Dry Creek	N5/8 sec. 34, T. 11 N., R. 100 W.
5573	Overlap Six	N5/8W1/4 and W1/4SE1/4 sec. 5, T. 9 N., R. 100 W.
5673	Overlap Three	W1/4 sec. 28, T. 10 N., R. 100 W.
X279	Twenty Mile	N5/8NE1/4 sec. 3, T. 21 N., R. 105 W.
X379	Twenty Mile	SW1/4SE1/4 sec. 34, T. 22 N., R. 105 W.
X479	Six Mile	Secs. 29, 30, 31, 32, T. 20 N., R. 105 W.
X679	White Mountain	NE1/4 sec. 31, SW1/4SE1/4 and E5/8W1/4 sec. 30, T. 19 N., R. 105 W.
X779	Six Mile	N5/8SW1/4 sec. 29, T. 20 N., R. 105 W.
X879	Sage Creek	NW1/4NW1/4 sec. 13, NW1/4NE1/4 sec. 14, T. 15 N., R. 106 W.
X979	Sage Creek	SW1/4 sec. 8, T. 15 N., R. 106 W.
X1079	Sage Creek	Sec. 7, T. 15 N., R. 106 W.
X1179A	Little Mountain	SW1/4NE1/4 sec. 14, T. 13 N., R. 105 W.
X1179B	Little Mountain	NW1/4 sec. 14, N5/8 sec. 15, T. 13 N., R. 105 W.
X1279	Wilkins Peak	NW1/4 sec. 25, NE1/4 and SW1/4 sec. 26, NW1/4 sec. 35, T. 18 N., R. 106 W.
X1379	Sage Creek	W1/4SW1/4 sec. 8, N5/8NE1/4 and SE1/4NE1/4W1/4 sec. 7, T. 15 N., R. 105 W.
4872	South Cottonwood Creek	SW1/4SE1/4 sec. 20, T. 13 N., R. 91 W.
9822	North Cottonwood Creek	SW1/4SW1/4W1/4 sec. 12, T. 14 N., R. 92 W.
9782	Little Robbers Gulch	SW1/4SE1/4 sec. 6, T. 13 N., R. 91 W.
786	Mexican Flats	SW1/4 sec. 4, S5/8W1/4 sec. 5, SE1/4 sec. 6, T. 15 N., R. 92 W.
866	Blue Gap Draw	SW1/4 sec. 22, T. 15 N., R. 92 W.
966	Robbers Gulch	SE1/4 sec. 35, T. 15 N., R. 92 W.
1066	Lunan Butte	W1/4W1/4 sec. 34, T. 24 N., R. 97 W.
1166	South Bar N	SW1/4NW1/4 sec. 16, T. 24 N., R. 99 W.
1266	Niland Basin	N5/8 sec. 25, W1/4 sec. 24, NE1/4 sec. 23, T. 24 N., R. 96 W.
1366	Bar N Road	N5/8 sec. 6, T. 24 N., R. 99 W., SE1/4 sec. 32, T. 25 N., R. 99 W.
1486	Oregon Buttes	S5/8 sec. 16, T. 27 N., R. 101 W.
1586	Type Fontenelle	E5/8 and SW1/4 sec. 12, T. 24 N., R. 115 W.
1666	Fontenelle Creek	S5/8 sec. 5, T. 24 N., R. 114 W.
1786	Boars Tusk	S5/8E1/4 and SENS1/4 sec. 13, T. 23 N., R. 105 W.
1866	La Barge	NW1/4 sec. 4, T. 26 N., R. 112 W.
1986	Fontenelle Reservoir	NE1/4 sec. 4, T. 25 N., R. 112 W.
2086	New Fork River	SE1/4 sec. 27, T. 30 N., R. 110 W.
2186	River Junction	N5/8 sec. 19, T. 30 N., R. 110 W.
2286	Cumberland Gap	S5/8 and NE1/4 sec. 1, T. 30 N., R. 115 W.
2586	Slate Creek	S5/8 sec. 24, T. 23 N., R. 115 W.
2686	Alkali Creek	S5/8 sec. 14, T. 21 N., R. 115 W., NE1/4 sec. 25, T. 21 N., R. 115 W., NW1/4 sec. 30, T. 21 N., R. 114 W.
2786	West Carter	N5/8W1/4 sec. 19, T. 17 N., R. 115 W.
2886	Northeast Piedmont	NE1/4NW1/4 sec. 3, T. 14 N., R. 115 W.
2986	West Piedmont	N5/8W1/4 sec. 12, T. 14 N., R. 118 W.
3086	Continental Peak	N5/8 sec. 36, W1/4 sec. 35, T. 27 N., R. 100 W.
187	Godiva Rim	NW1/4 sec. 26, NE1/4NE1/4 sec. 27, SE1/4 sec. 22, SW1/4 sec. 28, E1/4NE1/4 sec. 29, E5/8E1/4 sec. 20, T. 8 N., R. 96 W.
287	Agate Quarry	SW1/4 sec. 13, W1/4 sec. 24, S5/8 sec. 23, N5/8 sec. 27, N5/8 sec. 28, N5/8 sec. 29, T. 18 N., R. 94 W., N5/8 sec. 6, T. 17 N., R. 94 W.
387	East Laney Rim	S5/8 sec. 24, T. 18 N., R. 95 W.
487	Northeast Corner Laney Rim	NE1/4NW1/4NE1/4 sec. 4, T. 18 N., R. 95 W.
587	Wamutter Road	NW1/4NW1/4 sec. 23, T. 19 N., R. 94 W.
687	Barrel Springs Draw	SW1/4NE1/4 sec. 28, T. 17 N., R. 94 W.
787	Dad Nose	SW1/4SW1/4 sec. 7, T. 16 N., R. 92 W., NW1/4 sec. 13, T. 16 N., R. 93 W.
887	Wamutter Road	NW1/4NE1/4 sec. 27, T. 19 N., R. 94 W.
987	Southeast Freewen	NW1/4 sec. 18, T. 18 N., R. 93 W., NE1/4 and SW1/4 sec. 13, T. 18 N., R. 94 W.
1087	Dugway	W1/4NE1/4 sec. 7, T. 19 N., R. 94 W.
1287	Dugway	N5/8W1/4 sec. 16, T. 19 N., R. 94 W.
1387	East Flat Top	N5/8E1/4 sec. 18, T. 14 N., R. 92 W.
1587	Tipton Point	NW1/4 sec. 36, T. 13 N., R. 92 W.
1687	North Nipple	NW1/4SE1/4 sec. 17, T. 11 N., R. 96 W.
1787	Armed Ranch	SW1/4NE1/4 sec. 34, T. 12 N., R. 95 W.
1887	Red Creek	NE1/4SW1/4 sec. 34, T. 13 N., R. 93 W.
1987	Spence Gulch	W1/4 sec. 33, E5/8 sec. 32, T. 10 N., R. 96 W.
2087	Shoemaker Mountain	S5/8 sec. 11, T. 23 N., R. 102 W.
2187	South Bush Rim	NE1/4 sec. 11, N5/8 and SE1/4 sec. 12, T. 24 N., R. 102 W.
2287	North Bush Rim	N5/8W1/4 sec. 36, NE1/4NW1/4NE1/4 sec. 35, T. 25 N., R. 101 W.
2387	Alkali Draw	E5/8 sec. 4, T. 24 N., R. 100 W.
2487	Northeast Lost Creek Butte	SW1/4 sec. 8, NW1/4 sec. 17, NE1/4 sec. 18, T. 23 N., R. 94 W.

MAP SHOWING SOURCES OF DATA AND LINES OF STRATIGRAPHIC CORRELATIONS OF EOCENE ROCKS IN THE GREATER GREEN RIVER BASIN, WYOMING, COLORADO, AND UTAH

By Henry W. Roehler 1992