

**Table ES-1. Assignments for Logging Models**

Model	Location	Primary Use <sup>a</sup>	Enriched-Zone Grade		Enriched-Zone Thickness (ft) <sup>b</sup>	Enriched-Zone Moisture (wt-%) <sup>c</sup>	Dry Bulk Density (g/cc) <sup>c</sup>
			% ${}_{\text{e}}\text{U}_3\text{O}_8$ <sup>b</sup>	ppm ${}_{\text{e}}\text{U}$ <sup>b</sup>			
U1	Grand Junction, Colorado	TC	2.636 ± 0.082	22355 ± 697	4.06 ± 0.01	11.0	2.074
U2		TC	1.229 ± 0.038	10424 ± 326	4.01 ± 0.00	14.8	1.699
U3		TC	0.4516 ± 0.0091	3830 ± 77	4.01 ± 0.00	15.4	1.667
WF		TC	0.3003 ± 0.0053	2547 ± 45	4.02 ± 0.00	13.1	1.86
N3		TC	0.2310 ± 0.0041	1959 ± 35	4.19 ± 0.00	13.3	1.83
D		FN	0.0772 ± 0.0012	654.5 ± 9.8	5.80 ± 0.00	9.3	2.116
U		KUT	0.05569 ± 0.00097	472.3 ± 8.2	4.98 ± 0.00	12.6	1.89
A1		FN	0.03051 ± 0.00044	258.7 ± 3.7	6.01 ± 0.00	7.7	2.22
A2		FN	0.0794 ± 0.0012	673.5 ± 9.8	5.94 ± 0.00	8.4	2.17
A3		FN	0.1611 ± 0.0024	1366 ± 20	5.95 ± 0.00	8.2	2.18
CRA	Casper, Wyoming	FN	0.02291 ± 0.00033	194.3 ± 2.8	4.00 ± 0.00	7.8	2.23
CBB		FN	0.3047 ± 0.0046	2584 ± 39	4.02 ± 0.01	8.3	2.21
CH		TC	2.345 ± 0.069	19886 ± 581	2.89 ± 0.00	9.6	2.21
CL		TC	0.3009 ± 0.0046	2552 ± 39	2.97 ± 0.00	8.7	2.27
CBU		KUT	0.05970 ± 0.00098	506.3 ± 8.3	3.99 ± 0.01	11.3	1.91
TBA	George West, Texas	FN	0.02184 ± 0.00031	185.2 ± 2.6	3.95 ± 0.01	7.7	2.20
TBB		FN	0.2969 ± 0.0044	2518 ± 37	3.96 ± 0.00	7.8	2.21
TH		TC	2.039 ± 0.065	17292 ± 552	3.94 ± 0.00	13.9	1.86
TL		TC	0.2402 ± 0.0040	2037 ± 34	3.99 ± 0.00	11.6	2.07
TBU		KUT	0.05950 ± 0.00098	504.6 ± 8.3	3.98 ± 0.00	11.7	1.87
GBA	Grants, New Mexico	FN	0.02289 ± 0.00033	194.1 ± 2.8	3.97 ± 0.01	7.9	2.21
GBB		FN	0.3114 ± 0.0047	2641 ± 40	3.99 ± 0.00	8.2	2.22
GH		TC	1.995 ± 0.061	16919 ± 516	2.89 ± 0.01	10.0	2.22
GL		TC	0.2745 ± 0.0042	2328 ± 36	2.99 ± 0.00	9.6	2.22
GBU		KUT	0.05910 ± 0.0096	501.2 ± 8.1	3.98 ± 0.00	11.6	1.88
BA	Grand Junction, Colorado	FN	0.02206 ± 0.00032	187.1 ± 2.7	3.99 ± 0.00	7.8	2.22
BB		FN	0.3227 ± 0.0048	2737 ± 41	3.97 ± 0.00	7.9	2.21
BH		TC	1.108 ± 0.032	9399 ± 271	4.00 ± 0.01	8.1	2.22
BL		TC	0.1182 ± 0.0017	1002 ± 14	3.97 ± 0.00	7.8	2.23
BU		KUT	0.0665 ± 0.0011	564.0 ± 9.1	4.01 ± 0.01	11.3	1.91

<sup>a</sup>TC indicates primarily intended for use in calibrating total-count logging systems; similarly, FN indicates fission neutron logging systems, and KUT for spectral logging systems.

<sup>b</sup>Uncertainties are expressed at the 1-sigma (67 percent confidence) level. Uncertainties reported at 0.00 ft are not zero, but are less than 0.005 ft.

<sup>c</sup>No uncertainties have been calculated. Uncertainty is assumed to be less than 10 percent at the 67 percent confidence level.

**REFERENCE**

*Grade Assignments for Models Used for Calibration of Gross-Count Gamma-Ray Logging Systems*, George, D.C., Heistand, B.E., and Krabacher, J.E., 1983, Bendix Field Engineering Corporation, Grand Junction Operations, Grand Junction, Colorado.