Table A1. Data from Boreholes Used to Convert GE Gamma-Ray Units into API Gamma-Ray Units*

Number	Stratigraphy	Lithology	API Recorded	Gamma Unit Recorded	API_c	GE_c	Thickness (m)
1	Cretaceous	Chalk	Well 1	Tuc 1/74	17.4	12.2	190
2	Cretaceous	Limestone	Well 1	Tuc 1/74	13.5	10.9	82
3	Jurassic	Claystone	Well 1	Tuc 1/74	142.4	30.4	32
4	Jurassic	Sandstone	Well 1	Tuc 1/74	57.7	16.4	61
5	Jurassic	Claystone	Well 1	GrSk 3/90	142.4	37.4	48
6	Jurassic	Mudstone	Well 1	Chi 1/71	34.2	12.8	17
7	Cretaceous	Limestone	RhM 1/95	Zeh 2/75	35.0	11.9	185
8	Cretaceous	Limestone	RhM 1/95	Zeh 2/75	27.1	7.5	99
9	Jurassic	Sandstone	RhM 1/95	Zeh 2/75	32.9	9.3	18
10	Jurassic	Mudstone	RhM 1/95	Zeh 2/75	109.0	30.4	42
11	Tertiary	Claystone	RhM 1/95	Gs 2/67	113.6	27.3	141
12	Cretaceous	Limestone	RhM 1/95	Gs 2/67	35.0	16.7	253
13	Tertiary	Sand, Clay	Kaa 1/87	Kaa 1/87	57.5	13.2	2
14	Triassic	Marlstone	Kaa 1/87	Kaa 1/87	60.2	16.3	63
15	Cretaceous	Limestone	Kaa 1/87	Gs 2/67	27.1	15.7	186
16	Cretaceous	Chalk	Well 2	Tuc 1/74	18.3	12.2	190
17	Cretaceous	Limestone	Well 2	Tuc 1/74	13.7	10.9	82
18	Jurassic	Claystone	Well 2	Tuc 1/74	155.8	30.4	32
19	Jurassic	Sandstone	Well 2	Tuc 1/74	74.4	16.4	61
20	Jurassic	Claystone	Well 2	GrSk 3/90	155.8	37.4	48
21	Jurassic	Mudstone	Well 2	GrSk 3/90	52.3	20.5	14
22	Jurassic	Mudstone	Well 2	Chi 1/71	52.3	12.8	17

*The stratigraphic and lithologic description of the intervals, their thickness, and their respective gamma values are given.

Table A2. Sample Description and Thermal Conductivity (λ) Measured Dry and Saturated, Parallel and Perpendicular to Bedding or Borehole Axis

Sample	Depth (m)	Stratigraphic Description	Petrography	Remarks on Cement and Constitution*	$\lambda_{dry\perp}$ (W/m/K)	$\lambda_{sat.c\perp}$ (W/m/K)**	$\lambda_{sat.m\perp}$ (W/m/K)**	$\lambda_{dry\|\|}$ (W/m/K)	$\lambda_{sat.c\|\|}$ (W/m/K)**	$\lambda_{sat.m\|\|}$ (W/m/K)**	Anisotropy ($\lambda_{max}/\lambda_{min}$)	Porosity† (%)
Ba-01	2903.2	Elbe Subgroup	Siltstone	ar-ca-an, compact	2.6	2.8						<2
Ba-02	3003.4	Elbe Subgroup	Siltstone	ar-ca, compact	2.5	2.6		2.7	2.9		1.11	<2
Ba-03	3093.5	Elbe Subgroup	Siltstone	ar-ca, compact	2.9	3.1	3.0	3.0	3.2	3.2	1.06	1.9
Ba-04	3434.8	Permian – Carboniferous	Dacite		2.3	2.4		2.6	2.7		1.14	2.0
Ba-05	3543.0	Stephanian	Quarzite		5.3	5.5		5.6	5.8		1.06	<2
Ba-06	3942.2	Westphalian	Sandstone	si, compact	3.0	3.2		3.4	3.6		1.13	<2
Ba-08	4398.6	Westphalian	Siltstone	si, compact	3.6	3.7	3.7	3.2	3.2	3.4	1.09	0.8
Ba-09	4481.7	Westphalian	Mudstone	si, compact	2.8	2.9		3.2	3.4		1.17	<2
Ba-10	4522.2	Westphalian	Quarzite		4.6	4.9	5.6	4.6	4.9	5.4	1.03	1.9
Ba-11	4547.9	Permian – Carboniferous	Granite		3.4	3.5		3.3	3.5		1.01	<2
Ba-13	4887.7	Westphalian	Sandstone	si, compact	4.2	4.6	5.1	4.4	4.9	5.4	1.06	3.0
Ba-H03	3078.6	Elbe Subgroup	Sandstone	ar-ca, compact	2.7	2.8	3.0	3.0	3.1	3.2	1.07	1.4
Ba-H05	3087.7	Elbe Subgroup	Sandstone	ar-ca, compact	2.9	3.1	3.1	3.1	3.2	3.3	1.07	1.2
Binz-01	1446.8	Permian – Carboniferous	Rhyolite		1.9	2.3	2.2	1.8	2.2	2.1	1.02	5.7
Binz-02	1704.5	Stephanian	Sandstone	si, compact	2.8	4.7	4.4	3.0	5.1	4.5	1.03	17.1
Binz-03	2047.8	Westphalian	Siltstone	ar-si, compact	2.9	3.0		3.1	3.3		1.10	<2
Binz-04	2593.4	Westphalian	Siltstone	si, compact	3.5	3.6		3.6	3.8		1.05	<2
Binz-05	2803.4	Frasnian	Marlstone		2.2	2.4		2.3	2.4		1.03	<2
Binz-06	2996.1	Frasnian	Marlstone		1.9	2.0		2.5	2.6		1.26	<2
Binz-07A	3172.0	Givetian	Sandstone	si, compact	3.9	4.1		3.9	4.0		1.00	<2
Binz-08	3842.6	Givetian	Sandstone	si, compact	5.1	5.3	6.0	4.9	5.1	5.7	1.04	1.3
Binz-09	4099.2	Givetian	Sandstone	si, compact	4.1	4.3		4.2	4.4		1.02	<2
Binz-10	4872.2	Eifelian	Siltstone	si, compact	3.4	3.6		3.7	3.9		1.10	<2
Binz-An15	2495.0	Permian – Carboniferous	Dacite		2.3	2.4		3.4	3.5		1.50	<2
Binz-An19	2572.7	Westphalian	Siltstone	ar-si, compact	3.5	3.6		3.6	3.8		1.04	<2
Binz-N01	1540.7	Permian – Carboniferous	Rhyolite		2.6	2.7						<2
Binz-N02	1855.4	Stephanian	Sandstone	ar-si, compact	2.5	3.6	4.3	3.1	4.5	4.4	1.02	12.0
Binz-N03	1863.3	Stephanian	Sandstone	si, compact	3.3	5.5	4.9	3.2	5.3	4.9	1.01	15.9
Chi-01	3856.8	Permian – Carboniferous	Andesite		1.9	1.9		2.0	2.1		1.08	<2
Chi-02	3855.1	Permian – Carboniferous	Andesite		1.9	2.0		1.8	1.9		1.04	<2
Chi-03	3846.8	Permian – Carboniferous	Andesite		2.0	2.1		2.1	2.2		1.02	<2
Chi-04	3835.1	Permian – Carboniferous	Andesite		2.2	2.3		2.3	2.4		1.05	<2
Chi-05	3836.9	Permian – Carboniferous	Andesite		2.0	2.1		2.0	2.1		1.01	<2
Chi-06	3824.4	Permian – Carboniferous	Andesite		2.1	2.2		2.2	2.3		1.05	<2
Chi-07	3821.0	Elbe Subgroup	Siltstone	ca – an, compact	2.9	3.1		3.1	3.2		1.06	<2
Chi-08	3814.5	Elbe Subgroup	Siltstone	ca-an, compact	2.8	2.9		3.0	3.2		1.08	<2

Table A2. Continued.

Sample	Depth (m)	Stratigraphic Description	Petrography	Remarks on Cement and Constitution*	$\lambda_{dry\perp}$ (W/m/K)	$\lambda_{sat.c\perp}$ (W/m/K)**	$\lambda_{sat.m\perp}$ (W/m/K)**	$\lambda_{dry\|\|}$ (W/m/K)	$\lambda_{sat.c\|\|}$ (W/m/K)**	$\lambda_{sat.m\|\|}$ (W/m/K)**	Anisotropy ($\lambda_{max}/\lambda_{min}$)	Porosity† (%)
Chi-09	3807.6	Elbe Subgroup	Sandstone	Slightly sandy, ca	3.3	3.7	4.4	3.7	4.2	4.9	1.10	3.8
Chi-10	3802.6	Elbe Subgroup	Mudstone	ca-an, compact	1.9	2.0		2.5	2.6		1.33	<2
Chi-11	3796.9	Elbe Subgroup	Mudstone	ca-an, compact	2.9	3.0		2.9	3.1		1.02	<2
Chi-12	3786.9	Elbe Subgroup	Sandstone	ca, compact	2.3	2.5		3.2	3.4		1.38	<2
Chi-13	3779.9	Elbe Subgroup	Mudstone	ca-an, compact	2.1	2.2		2.5	2.6		1.21	<2
Chi-14	3770.6	Elbe Subgroup	Siltstone	ca-an, compact	2.1	2.2						<2
Chi-15	3768.8	Elbe Subgroup	Siltstone	ca-an, compact	2.1	2.2		2.4	2.6		1.16	<2
Chi-16	3761.8	Elbe Subgroup	Sandstone	ca-an, compact	3.7	3.9		4.1	4.3		1.10	<2
Ela-01	4435.3	Elbe Subgroup	Mudstone	ar-(ca)-(an)-(si), compact	2.5	2.6		2.9	3.0		1.15	<2
Ela-02	4437.7	Elbe Subgroup	Mudstone	ar-(ca)-(an)-(si), compact	2.1	2.2		2.4	2.5		1.16	<2
Ela-03	4450.6	Elbe Subgroup	Siltstone	ar-(ca)-(an)-(si), compact	3.1	3.1	3.1	3.2	3.3	3.4	1.10	0.7
Ela-04	4497.4	Elbe Subgroup	Sandstone	ar-(an)-(si), compact	2.7	2.8		3.0	3.1		1.11	<2
Ela-05	4510.2	Havel Subgroup	Siltstone	ar-(ca)-(an)-(si), compact	2.2	2.3		2.9	3.0		1.33	<2
Ela-06	4525.7	Havel Subgroup	Siltstone	ar-(ca)-(an)-(si), compact	3.6	3.8		3.9	4.1		1.08	<2
Ela-07	4529.8	Havel Subgroup	Mudstone	ar-(ca)-(an)-(si), compact	2.8	3.0		3.2	3.4		1.13	<2
Ela-08	4539.9	Havel Subgroup	Siltstone	ar-(ca)-(an)-(si), compact	2.4	2.5		3.3	3.4		1.39	<2
Ela-09	4583.6	Havel Subgroup	Mudstone	ar-(an)-(si), compact	2.1	2.2		2.4	2.5		1.15	<2
Ela-10	4588.2	Havel Subgroup	Siltstone	ar-(ca)-(an)-(si), compact	2.2	2.3		2.7	2.9		1.27	<2
Ela-11	4594.2	Havel Subgroup	Siltstone	ar-(ca)-(an)-(si), compact	3.4	3.5		3.3	3.4		1.03	<2
Ela-12	4606.8	Havel Subgroup	Siltstone	ar-(an)-(si), compact	2.4	2.5		3.3	3.5		1.39	<2
Ela-13	4619.3	Havel Subgroup	Siltstone	ar-(an)-(si), compact	2.4	2.5		3.5	3.7		1.47	<2
Ela-14	4618.7	Havel Subgroup	Mudstone	ar-ca, compact	2.7	2.8		3.0	3.2		1.13	<2
Ela-15	4630.6	Havel Subgroup	Sandstone	ar-an, compact	2.8	3.0	2.9	3.3	3.4	3.3	1.13	1.6
Ela-16	4669.6	Havel Subgroup	Mudstone	ar-ca-(an)-si, compact	4.0	4.2		3.9	4.1		1.03	<2
Ela-17	4674.7	Havel Subgroup	Sandstone	ar-ca-an-(si), compact	3.8	4.0		3.8	4.0		1.00	<2
Ela-18	4689.0	Havel Subgroup	Sandstone	ar-ca-(si), compact	3.7	3.9		3.9	4.1		1.07	<2
Ela-19	4694.5	Havel Subgroup	Sandstone	ar-ca-(si), compact	4.1	4.3		3.6	3.8		1.11	<2
Ela-20	4708.0	Havel Subgroup	Siltstone	ar-ca-(si), compact	3.8	3.9		3.8	4.0		1.01	<2
Ela-21	4712.5	Havel Subgroup	Sandstone	ar-ca-(si), compact	3.7	3.9		3.7	3.8		1.02	<2
Ela-22	4958.6	Westphalian	Siltstone	si, compact	2.7	2.9		3.1	3.2		1.12	<2
Ela-23	4790.8	Westphalian	Sandstone	si, compact	2.6	2.7		3.0	3.2		1.15	<2
Ela-24	4777.8	Westphalian	Sandstone	si, compact	3.1	3.2		3.3	3.4		1.06	<2
Ela-25	4810.3	Westphalian	Sandstone	si, compact	3.7	3.9		4.0	4.2		1.09	<2
Ela-26	4794.1	Westphalian	Siltstone	si, compact	2.4	2.6		3.1	3.3		1.29	<2
FdlN-H01	3513.9	Elbe Subgroup	Sandstone	ar-ca-an, compact	3.1	3.3	3.8	3.2	3.5	3.6	1.08	2.5
FdlN-H03A	3584.1	Elbe Subgroup	Siltstone	ar-ca-an, compact	3.0	3.3	3.5	3.5	3.8	4.1	1.16	3.1
FdlN-H04	3593.9	Elbe Subgroup	Sandstone	ca-an, compact	3.6	3.9	4.4	3.9	4.2	4.5	1.03	2.3

Table A2. Continued.

Sample	Depth (m)	Stratigraphic Description	Petrography	Remarks on Cement and Constitution*	$\lambda_{dry\perp}$ (W/m/K)	$\lambda_{sat.c\perp}$ (W/m/K)**	$\lambda_{sat.m\perp}$ (W/m/K)**	$\lambda_{dry\|\|}$ (W/m/K)	$\lambda_{sat.c\|\|}$ (W/m/K)**	$\lambda_{sat.m\|\|}$ (W/m/K)**	Anisotropy ($\lambda_{max}/\lambda_{min}$)	Porosity† (%)
FdlN-H05	3594.6	Elbe Subgroup	Siltstone	ca-an, compact				4.4	4.6			<2
FdlN-H06	3636.0	Elbe Subgroup	Sandstone	ar-ca-an, compact	2.7	2.8		3.1	3.2		1.16	<2
FdlN-H07	3675.3	Elbe Subgroup	Siltstone	ca-an, compact	2.9	3.1		3.2	3.3		1.08	<2
FdlN-H08	3717.1	Elbe Subgroup	Conglomerate	ca, compact	3.2	3.4	3.4					1.4
FdlN-H09	3728.6	Elbe Subgroup	Conglomerate	ar-ca, compact	3.2	3.4	3.4	3.2	3.3	3.4	1.02	1.6
FdlN-H10	3730.8	Elbe Subgroup	Conglomerate	ca-an, compact	2.9	3.1	3.3	3.3	3.4	3.6	1.08	1.7
FdlN-H13	3738.7	Elbe Subgroup	Conglomerate	ca-an, compact	2.8	3.0	3.1	2.7	3.0	3.1	1.00	3.0
FdlN-H14	3665.3	Elbe Subgroup	Siltstone	ca-an, compact				3.3	3.4	3.6		1.6
FdlN-N01	3819.0	Permian–Carboniferous	Rhyolite		2.3	2.4		2.5	2.6		1.09	<2
FdlN-N02	4597.4	Permian–Carboniferous	Rhyolite		3.2	3.2						0.7
FdlN-N03	4600.1	Permian–Carboniferous	Rhyolite		3.1	3.2		3.0	3.1		1.02	0.9
FdlN-N04	4980.5	Permian–Carboniferous	Rhyolite		2.8	3.0						<2
Gap-01	4579.8	Permian–Carboniferous	Trachyte		2.0	2.1		2.0	2.1		1.01	1.5
Gap 02	4514.1	Altmark subgroup?	Conglomerate	ar-(ca)-si, compact	3.4	4.4	4.3					8.3
Gap-03	4458.3	Permian–Carboniferous	Basanite		2.2	2.3	2.4					1.4
Gap-04	4410.0	Permian–Carboniferous	Tephrite		2.1	2.1		1.8	1.8		1.18	1.1
Gap-05	4315.5	Havel Subgroup	Sandstone	ar-si, compact	3.6	4.0	5.0					3.3
Gap-06	4303.8	Havel Subgroup	Sandstone	ar-(ca)-si, compact	3.3	4.0	4.3					5.8
Gap-07	4309.9	Havel Subgroup	Sandstone	ar-si, compact	3.8	4.6	5.0					5.5
Gap-08	4251.8	Havel Subgroup	Sandstone	ar-si, compact	3.8	4.0	5.3					1.7
Gap-09	4206.0	Havel Subgroup	Sandstone	ar-si, compact	2.9	3.4	4.1					4.5
Gap-10	4138.2	Elbe Subgroup	Sandstone	ar-(ca)-si, compact	2.9	3.5	4.3					5.7
Gap-11	4025.8	Elbe Subgroup	Sandstone	ar-(ca)-si, compact	3.7	4.0	4.7					2.3
Gm-01	4055.0	Westphalian	Sandstone	si, compact	4.0	4.2	5.2	4.3	4.5	5.4	1.04	<2
Gm-02	4249.1	Westphalian	Sandstone	si, compact	4.1	4.3		4.6	4.8		1.12	<2
Gm-03	4254.3	Westphalian	Sandstone	si, compact	4.4	5.2	6.0	4.7	5.5	6.3	1.05	5.0
Gm-04	4258.3	Westphalian	Sandstone	si, compact	4.7	5.4	5.8	4.9	5.7	6.1	1.05	4.5
Gm-05	4307.4	Westphalian	Mudstone	si, compact	4.3	4.5		4.1	4.3		1.05	<2
Gm-06	4585.5	Westphalian	Sandstone	si, compact	3.9	4.4	5.3	4.1	4.7	5.3	1.01	4.1
GrSk-01	4151.0	Elbe Subgroup	Sandstone	fe-si-ca, compact	2.1	3.9	3.9	2.0	3.8	4.0	1.02	19.4
GrSk-02	4153.6	Elbe Subgroup	Sandstone	fe-si-ca, compact				3.3	4.1	4.9		7.6
GrSk-03A	4161.6	Elbe Subgroup	Sandstone	fe-si-ca, compact				2.2	3.8	4.2		17.7
GrSk-04	4164.2	Elbe Subgroup	Sandstone	fe-si-ca, compact	2.6	4.1	4.2	2.4	3.8	4.2	1.00	14.3
GrSk-05A	4167.2	Elbe Subgroup	Sandstone	fe-si-ca, compact				2.5	3.7	4.5		12.4
GrSk-06A	4168.3	Elbe Subgroup	Sandstone	fe-si-ca, compact				2.6	4.0	4.7		14.3
GrSk-07	4174.6	Elbe Subgroup	Sandstone	fe-si-ca, compact				2.6	4.0	4.3		14.4
GrSk-08	4178.7	Elbe Subgroup	Sandstone	fe-si-ca, compact	2.6	4.0	4.3					14.6

Table A2. Continued.

Sample	Depth (m)	Stratigraphic Description	Petrography	Remarks on Cement and Constitution*	$\lambda_{dry\perp}$ (W/m/K)	$\lambda_{sat.c\perp}$ (W/m/K)**	$\lambda_{sat.m\perp}$ (W/m/K)**	$\lambda_{dry\|\|}$ (W/m/K)	$\lambda_{sat.c\|\|}$ (W/m/K)**	$\lambda_{sat.m\|\|}$ (W/m/K)**	Anisotropy ($\lambda_{max}/\lambda_{min}$)	Porosity† (%)
GrSk-11A	4183.0	Elbe Subgroup	Sandstone	fe-si-ca, compact	3.2	4.0	4.9					6.8
GrSk-11B	4183.0	Elbe Subgroup	Sandstone	fe-si-ca, compact	3.2	3.3						<2
GrSk-15B	4190.7	Elbe Subgroup	Siltstone	fe-si-ca, compact	3.8	4.0	4.4					1.6
GrSk-17	4195.7	Havel Subgroup	Sandstone	fe-si-ca, compact	2.9	4.2	4.3					12.1
GrSk-18	4196.4	Havel Subgroup	Sandstone	fe-si-ca, compact	3.0	4.5	4.4					12.8
GrSk-31	4212.1	Havel Subgroup	Conglomerate	fe-si-ca, compact	3.0	3.2	3.2					2.5
GrSk-34	4215.2	Havel Subgroup	Conglomerate	fe-si-ca, compact	3.2	3.5	3.6					2.5
GrSk-38b	4225.3	Havel Subgroup	Sandstone	fe-si-ca, compact	3.4	3.5	3.9					1.0
GrSk-38t	4225.3	Havel Subgroup	Siltstone	fe-si-ca, compact	2.3	2.4	2.5					1.0
GrSk-41	4231.3	Permian–Carboniferous	Andesite		2.0	2.1		2.1	2.2		1.03	<2
GrSk-50	4236.0	Permian–Carboniferous	Andesite		2.1	2.4						3.9
GrSk-54	4239.3	Permian–Carboniferous	Andesite		2.0	2.1						<2
Gs-01	4174.7	Elbe Subgroup	Sandstone	ca-an, compact	3.7	3.9	4.3	4.1	4.4	4.7	1.11	1.7
Gs-02	4399.6	Elbe Subgroup	Mudstone	ca-an, compact	3.1	3.2	3.3	3.3	3.4	3.6	1.10	0.7
Gs-03	4503.7	Elbe Subgroup	Mudstone	ar, compact				2.5	2.6			<2
Gs-04	4605.6	Elbe Subgroup	Sandstone	si, compact	4.9	5.1						<2
Gs-05	4607.1	Elbe Subgroup	Sandstone	si, compact	3.8	3.8	4.2	4.2	4.3	4.7	1.13	0.8
Gs-06	4690.9	Havel Subgroup	Sandstone	si, compact				4.9	5.1	5.7		1.5
Gs-07	4728.9	Havel Subgroup	Sandstone	si, compact	3.2	3.2	3.6	4.0	4.1	4.5	1.24	0.8
Gs-08	4771.1	Permian–Carboniferous	Rhyolite		2.8	3.1		2.9	3.2		1.02	2.8
Gs-09	4946.1	Permian–Carboniferous	Andesite		2.1	2.2	2.2	2.1	2.3	2.2	1.00	2.3
Gs-10	5050.2	Namurian	Sandstone	si, compact	3.2	3.3		3.7	3.9		1.16	<2
Gs-11	5050.6	Namurian	Sandstone	si, compact				3.5	3.7			<2
Gs-N01	5059.8	Namurian	Sandstone	si, compact	3.2	3.3		3.3	3.5		1.06	<2
Gs-N02	5056.1	Namurian	Sandstone	si, compact	3.5	3.7		3.6	3.8		1.02	<2
Gs-N03	4944.5	Permian–Carboniferous	Andesite		2.1	2.3	2.2	2.1	2.4	2.3	1.05	3.5
Gs-N04	4852.3	Altmark subgroup?	Siltstone	ar, compact	2.2	2.3		2.5	2.6		1.14	<2
Gs-N05	4813.2	Permian–Carboniferous	Rhyolite		2.9	3.2		2.9	3.2		1.01	3.3
Gs-N06	4766.7	Permian–Carboniferous	Rhyolite		2.7	3.1	2.9	2.7	3.0	3.0	1.04	3.9
Gs-N07	4732.1	Havel Subgroup	Sandstone	si, compact	4.2	4.8	5.0	4.6	5.2	5.0	1.01	4.1
Gs-N08	4692.3	Havel Subgroup	Sandstone	si, compact	4.9	5.1		5.1	5.3		1.05	<2
Gs-N09	4608.4	Elbe Subgroup	Sandstone	si, compact	4.3	4.5		4.6	4.8		1.07	<2
Gs-N10	4649.8	Havel Subgroup	Sandstone	ar, compact	2.2	2.3		2.9	3.0		1.31	<2
Gst-01	1686.5	Permian–Carboniferous	Basalt		1.8	1.9		1.8	1.9		1.00	2.0
Gst-02	1796.7	Permian–Carboniferous	Andesite		1.9	2.1		1.9	2.1		1.01	3.1
Gst-03	1945.4	Altmark subgroup?	Conglomerate	ca-an, compact	2.5	2.6						<2
Gst-04	1994.4	Stephanian	Sandstone	ar-ca-si, compact	3.1	4.6	4.4	3.2	4.8	4.6	1.05	12.8

Table A2. Continued.

Sample	Depth (m)	Stratigraphic Description	Petrography	Remarks on Cement and Constitution*	$\lambda_{dry\perp}$ (W/m/K)	$\lambda_{sat.c\perp}$ (W/m/K)**	$\lambda_{sat.m\perp}$ (W/m/K)**	$\lambda_{dry\|\|}$ (W/m/K)	$\lambda_{sat.c\|\|}$ (W/m/K)**	$\lambda_{sat.m\|\|}$ (W/m/K)**	Anisotropy ($\lambda_{max}/\lambda_{min}$)	Porosity† (%)
Gst-05	2289.8	Westphalian	Sandstone	si, compact	3.5	5.1	4.7	3.7	5.3	4.9	1.03	11.7
Gst-06	2357.9	Permian–Carboniferous	Dolerite		1.7	1.8	1.9	1.8	1.9	1.9	1.02	<2
Gst-07	2503.0	Westphalian	Siltstone	si, compact	3.0	3.5	4.1	3.2	3.7	4.2	1.02	5.2
Gst-08	2610.1	Permian–Carboniferous	Dolerite		1.6	1.6						<2
Gst-09	2845.2	Westphalian	Sandstone	si, compact	4.2	4.6	5.0	4.1	4.5	4.8	1.04	2.7
Gst-10	2853.4	Westphalian	Mudstone	si, compact	3.3	3.5		3.4	3.5		1.02	<2
Gst-11	2947.6	Westphalian	Siltstone	si, compact	3.3	3.4		3.8	3.9		1.14	<2
Gst-12	3089.8	Westphalian	Sandstone	si, compact	3.6	4.5	4.9	3.6	4.4	4.7	1.05	6.7
Gst-13	3255.4	Westphalian	Siltstone	si, compact	3.1	3.3		3.6	3.8		1.16	<2
Gst-14	3312.3	Permian–Carboniferous	Dolerite		2.0	2.1		2.0	2.1		1.00	<2
Gst-15	3442.1	Westphalian–Namurian	Sandstone	an, compact	2.9	3.0	3.2	3.1	3.2	3.4	1.06	1.2
Gst-16	3797.9	Visean	Limestone		2.6	2.7		2.6	2.7		1.00	<2
Gst-17	4023.1	Permian–Carboniferous	Dolerite		2.1	2.2		2.1	2.2		1.00	<2
Gst-18	4100.2	Visean	Limestone		2.1	2.2		2.4	2.5		1.10	<2
Gst-19	4305.8	Permian–Carboniferous	Dolerite		2.2	2.3		2.2	2.3		1.00	<2
Gst-20	4866.1	Frasnian	Marlstone		2.9	2.9	2.9	3.2	3.2	3.3	1.10	0.1
Gst-21	5088.3	Frasnian	Marlstone					2.9	2.9	2.9		0.5
Gst-H01	1393.1	Müritz subgroup?	Conglomerate	ar-ca-an, compact	2.6	2.8	3.0	2.9	3.1	3.2	1.08	2.6
Gst-H02	1402.1	Müritz subgroup?	Conglomerate	ar-ca-(an), compact	2.5	2.6		2.5	2.6		1.00	<2
Gst-H03	1418.1	Müritz subgroup?	Conglomerate	ar-ca-(an), compact	2.3	2.4						<2
Gst-N03	1522.1	Permian–Carboniferous	Dacite		2.1	2.2						<2
Gst-N04	1528.5	Permian–Carboniferous	Dacite		2.0	2.1		2.4	2.5		1.18	<2
Gst-N05	1727.1	Permian–Carboniferous	Basalt		1.8	1.9		1.7	1.8		1.04	<2
Gst-N06	1730.3	Permian–Carboniferous	Basalt		2.3	2.5		2.1	2.2		1.12	<2
Kotz-02	4560.0	Elbe Subgroup	Sandstone	ca-an, compact	3.9	4.0		4.1	4.3		1.07	<2
Kotz-03	4563.7	Elbe Subgroup	Sandstone	(ca)-an, compact	3.9	4.1						<2
Kotz-04	4565.8	Elbe Subgroup	Siltstone	(ca)-an, compact	4.3	4.4	5.5	4.7	4.8	5.4	1.00	0.8
Kotz-05	4572.8	Elbe Subgroup	Sandstone	(ca)-an, compact	4.2	4.4		4.2	4.4		1.00	<2
Kotz-06A	4589.4	Elbe Subgroup	Sandstone	(ca)-an, compact	4.1	4.3		4.3	4.5		1.03	<2
Kotz-06B	4589.4	Elbe Subgroup	Sandstone	ar-(ca)-(si), compact	3.8	3.8	4.4	4.2	4.3	4.6	1.04	0.5
Kotz-07	4591.7	Elbe Subgroup	Sandstone	(ca)-an, compact	3.8	4.0		4.2	4.4		1.09	<2
Kotz-08	4604.6	Elbe Subgroup	Sandstone	(ca)-an, compact	4.0	4.1	4.6	4.2	4.2	4.6	1.00	0.4
Kotz-09	4627.0	Elbe Subgroup	Sandstone	ca-an, compact	3.4	3.6		4.0	4.2		1.18	<2
Kotz-10	4630.0	Havel Subgroup	Sandstone	ca-an, compact	3.8	4.0		4.0	4.2		1.04	<2
Kotz-11	4634.6	Havel Subgroup	Sandstone	ca-an, compact	3.3	3.6	4.3	3.9	4.2	4.8	1.11	2.4
Kotz-12	4643.5	Havel Subgroup	Sandstone	(ca)-an, compact	3.7	3.9						<2
Kotz-13	4773.4	Havel Subgroup	Sandstone	ar-ca-si, compact	1.8	2.1	3.4	3.5	4.0	4.6	1.36	4.4

Table A2. Continued.

Sample	Depth (m)	Stratigraphic Description	Petrography	Remarks on Cement and Constitution*	$\lambda_{dry\perp}$ (W/m/K)	$\lambda_{sat.c\perp}$ (W/m/K)**	$\lambda_{sat.m\perp}$ (W/m/K)**	$\lambda_{dry\|\|}$ (W/m/K)	$\lambda_{sat.c\|\|}$ (W/m/K)**	$\lambda_{sat.m\|\|}$ (W/m/K)**	Anisotropy ($\lambda_{max}/\lambda_{min}$)	Porosity† (%)
Kotz-15	4803.5	Havel Subgroup	Sandstone	ar-ca-si, compact	3.6	3.9	4.9	4.1	4.5	5.3	1.08	2.3
Kotz-16	4814.2	Havel Subgroup	Sandstone	ar-ca-si, compact	2.9	3.3	4.7	3.4	3.8	4.9	1.03	4.1
Kotz-17	4845.6	Havel Subgroup	Sandstone	ar-ca-si, compact	3.2	3.5	4.6	3.8	4.3	5.1	1.10	3.6
Kotz-18A	4862.2	Havel Subgroup	Sandstone	ar-ca-si, compact	3.9	4.0	4.6	4.3	4.4	4.4	1.03	0.7
Kotz-19	5134.3	Permian–Carboniferous	Andesite		2.2	2.3		2.5	2.7		1.14	<2
Kotz-20	5138.7	Permian–Carboniferous	Andesite		2.8	2.9						<2
Kotz-21	5163.1	Permian–Carboniferous	Andesite		2.3	2.5						2.0
Kotz-23	5177.8	Permian–Carboniferous	Rhyolite		2.5	2.7						1.3
Kotz-24	5428.8	Permian–Carboniferous	Rhyolite		2.5	2.6		2.8	2.9		1.12	0.6
Kotz-25	5441.5	Permian–Carboniferous	Rhyolite		3.0	3.2						<2
Kotz-26	5490.0	Permian–Carboniferous	Trachyte		2.8	3.0						1.5
Loss-A11	4183.4	Westphalian	Sandstone	si, compact	4.3	4.5		4.5	4.7		1.04	<2
Loss-A13	4281.3	Westphalian	Sandstone	si, compact	5.1	5.3		4.7	4.9		1.09	<2
Loss-A15	4283.4	Westphalian	Siltstone	si, compact	3.6	3.8		3.9	4.1		1.09	<2
Loss-A17	4360.6	Permian–Carboniferous	Granophyre		2.8	3.0		2.1	2.2		1.35	<2
Loss-A18	4418.6	Westphalian	Siltstone	si, compact	3.7	3.8						<2
Loss-H01	3241.5	Müritz subgroup?	Conglomerate	ar	2.7	3.9	3.8	2.8	3.9	4.0	1.06	11.0
Loss-H02	3242.5	Müritz subgroup?	Conglomerate	ar	2.6	3.3	3.4	2.5	3.2	3.1	1.08	7.4
Loss-H03	3185.2	Müritz subgroup?	Conglomerate	ar	2.7	4.0	3.9	2.7	4.0	4.0	1.00	11.9
Loss-H05	3084.5	Müritz subgroup?	Conglomerate	ar	2.6	3.2	3.2	2.6	3.2	3.2	1.00	6.2
Loss-H07	2966.5	Müritz subgroup?	Sandstone	ar	2.2	2.6	2.5	2.3	2.7	2.7	1.07	5.3
Loss-H08	2862.4	Müritz subgroup?	Sandstone	ar	2.2	2.6	2.7	2.3	2.7	2.8	1.05	5.0
Loss-H10	2517.0	Havel Subgroup	Conglomerate	ar	2.0	2.7	2.7	2.0	2.7	2.6	1.05	9.0
Loss-H12	2511.0	Havel Subgroup	Conglomerate	ar	1.9	3.2	2.9	1.7	2.8	2.5	1.16	16.7
Loss-N01	3177.3	Müritz subgroup?	Conglomerate	ar	2.7	2.9		2.7	2.9		1.01	1.6
Loss-N02	3240.0	Müritz subgroup?	Conglomerate	ar	2.4	3.4	3.4	2.5	3.6	3.5	1.01	11.5
Loss-N03	4315.9	Permian–Carboniferous	Rhyolite		3.3	3.4		3.3	3.3		1.01	0.6
Loss-N05	4361.9	Permian–Carboniferous	Granophyre		2.9	3.0						<2
Loss-N06	4467.9	Westphalian	Sandstone	si, compact	3.8	4.5	4.8	4.6	5.5	5.3	1.11	5.7
Loss-N07	5604.2	Permian–Carboniferous	Granophyre		2.8	3.0		2.8	3.0		1.00	<2
Loss-N08A	5609.9	Permian–Carboniferous	Granophyre		2.8	2.9						<2
Loss-N08B	5609.9	Permian–Carboniferous	Granophyre		2.8	3.0						<2
Loss-N09	5632.6	Permian–Carboniferous	Granophyre		2.8	2.9		2.9	3.0		1.05	<2
Loss-N10	5684.9	Namurian	Siltstone	si, compact	2.8	3.0						<2
Loss-N11	5686.1	Namurian	Sandstone	si, compact	3.8	4.0		4.3	4.5		1.12	<2
Loss-N12	5781.0	Permian–Carboniferous	Granophyre		3.1	3.3		3.2	3.3		1.01	<2
Ob-G01	3770.4	Permian–Carboniferous	Andesite		2.0	2.3		2.1	2.4		1.07	3.9

Table A2. Continued.

Sample	Depth (m)	Stratigraphic Description	Petrography	Remarks on Cement and Constitution*	$\lambda_{dry\perp}$ (W/m/K)	$\lambda_{sat.c\perp}$ (W/m/K)**	$\lambda_{sat.m\perp}$ (W/m/K)**	$\lambda_{dry\|\|}$ (W/m/K)	$\lambda_{sat.c\|\|}$ (W/m/K)**	$\lambda_{sat.m\|\|}$ (W/m/K)**	Anisotropy ($\lambda_{max}/\lambda_{min}$)	Porosity† (%)
Ob-G02	4184.0	Permian – Carboniferous	Andesite		2.0	2.1		2.0	2.0		1.02	0.5
Ob-G03	4405.2	Permian – Carboniferous	Andesite		2.6	2.8		2.6	2.8		1.00	2.6
Ob-G04	4411.3	Permian – Carboniferous	Basalt		2.6	2.7		2.6	2.7		1.01	0.9
Ob-G05	4414.0	Permian – Carboniferous	Andesite		2.7	2.8		2.9	3.0		1.06	0.9
Ob-G06	4546.5	Permian – Carboniferous	Andesite		2.4	2.4		2.3	2.3		1.01	0.1
Ob-G07	4548.4	Permian – Carboniferous	Andesite		2.3	2.4		2.3	2.4		1.00	0.2
Ob-K01	3765.4	Permian – Carboniferous	Andesite					2.1	2.2			<2
Ob-K02	3769.4	Permian – Carboniferous	Andesite					2.2	2.6	2.1		5.1
Ob-K03	3837.7	Permian – Carboniferous	Andesite					2.1	2.3			<2
Ob-K04	3989.2	Permian – Carboniferous	Andesite					2.2	2.5	2.2		4.1
Ob-K05	4085.7	Permian – Carboniferous	Andesite					2.2	2.3			<2
Ob-K06	4087.2	Permian – Carboniferous	Andesite					2.2	2.3			<2
Ob-K07	4187.6	Permian – Carboniferous	Andesite					2.0	2.1	2.0		1.4
Ob-N01	4869.9	Visean	Mudstone	si, compact	2.6	2.7						<2
Ob-N02	3715.4	Elbe Subgroup	Sandstone	ca-an, compact	3.2	3.4		3.2	3.3		1.02	<2
Ob-N03	3709.3	Elbe Subgroup	Sandstone	(ca)-an, compact	3.0	3.5	3.6	3.3	3.8	3.8	1.07	4.9
Ob-N04	3718.8	Elbe Subgroup	Sandstone	ar-ca-an, compact	2.9	3.1		3.1	3.2		1.05	<2
Ob-N05	3722.4	Elbe Subgroup	Sandstone	ca-an, compact	3.0	3.4	3.9	3.2	3.7	4.0	1.03	4.6
Ob-N06b	3734.0	Elbe Subgroup	Conglomerate	ca-(an), compact	2.3	2.4		2.6	2.7		1.11	<2
Ob-N06t	3734.0	Elbe Subgroup	Conglomerate	ca-an, compact	3.1	3.2		2.6	2.7		1.18	<2
Ob-N07	3663.3	Elbe Subgroup	Sandstone	ar-ca, compact	2.7	3.4	3.8	3.0	3.8	4.0	1.04	7.4
Ob-N08	3667.2	Elbe Subgroup	Sandstone	(ca)-an, compact	4.0	5.0	5.0	4.3	5.3	5.1	1.03	6.7
Ob-N09	3516.4	Elbe Subgroup	Mudstone	ar-ca, compact	2.0	2.1		2.4	2.5		1.20	<2
Ob-N10	3516.9	Elbe Subgroup	Sandstone	ar-ca, compact	2.4	2.5		3.0	3.2		1.27	<2
Pa-02	5001.0	Elbe Subgroup	Siltstone	ca-an, compact	1.9	2.0		2.2	2.3		1.13	<2
Pa-03	5003.8	Elbe Subgroup	Siltstone	ca-an, compact	2.0	2.1		2.4	2.5		1.21	<2
Pa-04	5085.7	Elbe Subgroup	Siltstone	ca-an, compact	2.9	3.1		3.0	3.2		1.04	<2
Pa-05	5093.2	Elbe Subgroup	Siltstone	ca-an, compact	2.9	3.1	3.2	3.3	3.6	3.6	1.15	2.4
Pa-07	5089.4	Elbe Subgroup	Mudstone	ca-an, compact	2.6	2.7		2.7	2.8		1.04	<2
Pa-08	5250.9	Elbe Subgroup	Sandstone	an, compact	2.8	3.0		3.4	3.6		1.21	<2
Pa-09	5598.9	Havel Subgroup	Siltstone	ar, compact	2.7	2.9		3.2	3.3		1.16	<2
Pa-10	5622.8	Havel Subgroup	Siltstone	ar-an, compact	3.4	3.6		3.3	3.5		1.02	<2
Pa-11	5639.3	Havel Subgroup	Mudstone	ar-an, compact	2.5	2.6		2.7	2.8		1.09	<2
Pa-13	5702.6	Havel Subgroup	Siltstone	ar-(si), compact	2.4	2.5		2.9	3.0		1.21	<2
Pa-14	5800.7	Havel Subgroup	Siltstone	ar-(si), compact	2.6	2.7	2.7	3.7	3.8	3.9	1.45	0.8
Pa-16	5996.5	Havel Subgroup	Conglomerate	ar-ca, compact	4.0	4.2		4.2	4.4		1.04	<2
Pes-01	3646.7	Permian – Carboniferous	Rhyolite		2.6	2.8		2.9	3.1		1.10	<2

Table A2. Continued.

Sample	Depth (m)	Stratigraphic Description	Petrography	Remarks on Cement and Constitution*	$\lambda_{dry\perp}$ (W/m/K)	$\lambda_{sat.c\perp}$ (W/m/K)**	$\lambda_{sat.m\perp}$ (W/m/K)**	$\lambda_{dry\|\|}$ (W/m/K)	$\lambda_{sat.c\|\|}$ (W/m/K)**	$\lambda_{sat.m\|\|}$ (W/m/K)**	Anisotropy ($\lambda_{max}/\lambda_{min}$)	Porosity† (%)
Pes-02	3647.6	Permian–Carboniferous	Rhyolite		2.5	2.9	2.9	2.6	3.1	2.9	1.03	5.1
Pnl-H02	4610.3	Elbe Subgroup	Siltstone	an, compact	2.3	2.4		3.0	3.1		1.30	<2
Pnl-H03	4655.8	Elbe Subgroup	Sandstone	ca-an, compact				3.3	3.5	3.5		1.5
Pnl-H06	4685.7	Elbe Subgroup	Sandstone	ca-an, compact	3.1	3.3		3.6	3.8		1.16	<2
Pnl-H09	5006.0	Elbe Subgroup	Sandstone	ca-an, compact				4.2	4.3	5.1		1.1
Pnl-H10	5018.2	Elbe Subgroup	Sandstone	ca-an, compact	1.8	1.9		3.0	3.2		1.71	<2
Pnl-H11	5047.6	Elbe Subgroup	Siltstone	ca-an, compact	3.0	3.2		3.1	3.3		1.04	<2
Pnl-H13	5097.2	Elbe Subgroup	Siltstone	ar-ca-an, compact	3.1	3.3	3.4	3.5	3.7	3.6	1.06	1.7
Pnl-H20	5238.2	Havel Subgroup	Siltstone	ca-an, compact				4.3	4.5			<2
Pnl-H23	5270.2	Havel Subgroup	Sandstone	ca-an, compact	4.0	4.1	4.2	4.1	4.2	4.4	1.05	0.5
Pnl-H30	5472.4	Havel Subgroup	Conglomerate	ar	3.0	3.1		3.1	3.3		1.05	<2
Pnl-H31	5476.0	Permian–Carboniferous	Rhyolite					2.9	3.0			<2
Pw-01	4289.8	Elbe Subgroup	Sandstone	ca-si, compact	2.8	3.0	3.8					2.0
Pw-02	4275.8	Elbe Subgroup	Sandstone	si, compact	4.3	4.5	5.3					1.4
Pw-03B	4262.7	Elbe Subgroup	Siltstone	ar-si, compact				3.0	3.3	3.3		2.3
Pw-04	4241.9	Elbe Subgroup	Sandstone	si, compact				4.5	4.9	5.8		3.0
Pw-05	4217.0	Elbe Subgroup	Mudstone	ar-si, compact	1.9	2.0	2.1					0.9
Pw-06	4201.7	Elbe Subgroup	Sandstone	si, compact	4.5	4.6	5.1					0.9
Pw-07B	4159.1	Elbe Subgroup	Siltstone	ca-an, compact	1.9	1.9		2.6	2.7		1.38	<2
Pw-08	4129.0	Elbe Subgroup	Sandstone	si, compact	4.4	4.5	5.2					0.7
Pw-09	4117.1	Elbe Subgroup	Mudstone	ar-ca, compact	1.9	1.9		2.4	2.5		1.29	<2
Pw-10	4099.2	Elbe Subgroup	Mudstone	ca-an, compact	2.4	2.6	2.5					1.9
Pw-11	4083.7	Elbe Subgroup	Sandstone	si, compact	4.3	4.7	5.3					2.9
RmwL-03b	3539.3	Elbe Subgroup	Sandstone	sanding, ca, once ha	3.2							††
RmwL-03t	3539.3	Elbe Subgroup	Sandstone	sanding, ca, once ha	2.4							††
RmwL-04	3546.5	Elbe Subgroup	Sandstone	sanding, ca-an, once ha	3.1			2.7			1.14	††
RmwL-05	3608.0	Elbe Subgroup	Sandstone	sanding, ca-an, once ha	2.7			2.7			1.03	††
RmwL-06	3682.6	Elbe Subgroup	halite	Transparency	5.7			3.3			1.71	††
RmwL-07	3741.0	Elbe Subgroup	Siltstone	sanding, ca-an, once ha	4.6			3.0			1.53	††
RmwL-08	3802.2	Elbe Subgroup	Siltstone	sanding, ca, once ha	1.6			2.0			1.28	††
RmwL-09	3948.3	Elbe Subgroup	Sandstone	ca-an, compact	3.1	3.3		3.0	3.2		1.03	<2
RmwL-10	3935.3	Elbe Subgroup	Siltstone	ca-an, compact	3.1	3.2		3.2	3.3		1.04	<2
RmwL-11	3940.1	Elbe Subgroup	Sandstone	ar-an, compact	3.1	3.4	3.8	3.4	3.6	4.3	1.14	2.4
RmwL-12	3958.6	Elbe Subgroup	Sandstone	ar-an, compact	2.4	2.5						<2
RmwL-13	3995.9	Elbe Subgroup	Mudstone	an, compact	2.4	2.5						<2
RmwL-14	4009.2	Elbe Subgroup	Siltstone	ar-an, compact	3.0	3.1						<2
RmwL-15	4060.1	Elbe Subgroup	Sandstone	ar-ca-si, compact	3.0	3.2	4.8					1.9

Table A2. Continued.

Sample	Depth (m)	Stratigraphic Description	Petrography	Remarks on Cement and Constitution*	$\lambda_{dry\perp}$ (W/m/K)	$\lambda_{sat.c\perp}$ (W/m/K)**	$\lambda_{sat.m\perp}$ (W/m/K)**	$\lambda_{dry\|\|}$ (W/m/K)	$\lambda_{sat.c\|\|}$ (W/m/K)**	$\lambda_{sat.m\|\|}$ (W/m/K)**	Anisotropy ($\lambda_{max}/\lambda_{min}$)	Porosity† (%)
RmwL-16	4061.9	Elbe Subgroup	Mudstone	ar-an, compact	1.8	1.9		2.4	2.5		1.29	<2
RmwL-17	4104.9	Elbe Subgroup	Sandstone	Slightly sandy, ar-ca-si	3.0	3.9	4.2	3.2	4.1	4.4	1.04	7.9
RmwL-18	4100.3	Elbe Subgroup	Sandstone	Slightly sanding, ar-ca	2.0	3.1	4.1					13.4
RmwL-19	4118.7	Elbe Subgroup	Sandstone	an-si, compact	4.0	4.2		4.1	4.3		1.01	<2
RmwL-20	4125.9	Elbe Subgroup	Mudstone	ar, joints	1.4	1.5		2.4	2.5		1.65	<2
RmwL-21	4134.2	Elbe Subgroup	Siltstone	ar, compact	2.1	2.2		2.6	2.8		1.27	<2
RmwL-22	4142.6	Elbe Subgroup	Sandstone	ar-ca-an, compact				2.9	3.0			<2
RmwL-23	4151.4	Elbe Subgroup	Mudstone	ar, compact	1.5	1.6		2.4	2.6		1.61	<2
RmwL-24	4152.5	Elbe Subgroup	Sandstone	Slightly sandy, ar-ca-si	3.5	3.7	4.7	3.2	3.4	4.5	1.04	1.9
RmwL-25	4169.9	Havel Subgroup	Mudstone	ar-an, compact	1.8	1.9		2.5	2.6		1.39	<2
RmwL-26	4172.7	Havel Subgroup	Sandstone	Slightly sandy, ar-si	3.7	3.8	4.8	3.4	3.6	4.9	1.02	1.3
RmwL-27	4202.2	Havel Subgroup	Sandstone	ar-ca-si, compact	3.1	3.3		3.6	3.8		1.15	<2
RmwL-28	4239.1	Havel Subgroup	Sandstone	ar-ca-si, compact	3.1	3.2		3.2	3.4		1.06	<2
RmwL-29	4233.9	Havel Subgroup	Sandstone	ar-si, compact	3.8	3.9		3.5	3.7		1.08	<2
RmwL-30	4243.5	Permian–Carboniferous	Rhyolite		3.0	3.1		3.0	3.1		1.00	<2
RmwL-31	4244.7	Permian–Carboniferous	Rhyolite		2.7	2.9						<2
RmwL-32	4248.3	Permian–Carboniferous	Rhyolite		2.7	3.0		2.7	3.0		1.02	3.3
RmwL-33	4252.5	Permian–Carboniferous	Rhyolite		2.8	3.0	3.0					2.4
RmwL-34	4257.4	Permian–Carboniferous	Rhyolite		2.6	2.9		2.7	2.9		1.02	2.8
RmwL-35	4268.7	Permian–Carboniferous	Rhyolite		2.9	3.2	3.0					3.4
RmwL-36	4277.1	Permian–Carboniferous	Rhyolite		2.7	3.2	3.0	2.8	3.3	3.0	1.01	4.9
S-01	5954.0	Elbe Subgroup	Siltstone	ca, compact	2.2	2.3						<2
S-02	5953.1	Elbe Subgroup	Sandstone	ca, compact	2.9	3.1		3.2	3.3		1.08	<2
S-03	5950.4	Elbe Subgroup	Sandstone	ca, compact	3.2	3.4						<2
Sam-13	1880.7	Permian–Carboniferous	Rhyolite		2.4	2.5		2.5	2.6		1.04	<2
Sam-14	1925.4	Permian–Carboniferous	Rhyolite		2.4	2.5						<2
Sw 01	3723.6	Permian–Carboniferous	Rhyolite		2.7	2.9		2.7	2.8		1.02	1.5
Sw-03B	3650.2	Elbe Subgroup	Sandstone	ar-si, compact	2.7	3.6	4.1	2.9	3.9	4.1	1.00	9.5
Sw-04	3570.4	Elbe Subgroup	Sandstone	ca-si, compact	3.5	4.3	4.8					6.2
Sw-05	3558.9	Elbe Subgroup	Mudstone	ar, compact	1.8	1.8		2.6	2.8		1.49	<2
Sw-06	3550.2	Elbe Subgroup	Mudstone	ca, compact	1.7	1.8						<2
Sw-07	3542.7	Elbe Subgroup	Sandstone	ca-an, compact	3.1	4.0	4.6					8.0
Sw-08	3356.1	Elbe Subgroup	Siltstone	ca-an, compact	2.8	2.9						<2
Sw-09	3363.7	Elbe Subgroup	Mudstone	ca-an, compact	3.7	3.8						<2

*an = anhydritic; ar = argillaceous; ca = calcareous; fe = ferrous; ha = halitic; si = siliceous.

**$\lambda_{sat.c}$ = saturated thermal conductivity, calculated; $\lambda_{sat.m}$ = saturated thermal conductivity, measured.

†Samples with obviously low porosities were not measured; they were denoted by <2%. For geometric mean calculation, a mean porosity of 1.5% was assumed.

††Porosity was not determined.

Table A3. Contents of K, U, and Th, Rock Density, and Radiogenic Heat Production (*A*) Determined in Sedimentary Formations Using Gamma Spectroscopy

Number	Stratigraphic Description	Sample	Lithology	Depth (m)	K (%)	U (ppm)	Th (ppm)	Density (10^3 kg/m^3)	*A* (μW/m^3)
1	Elbe	Kotz-02	Sandstone	4560.0	1.74	2.30	6.77	2.72	1.2
2	Elbe	Kotz-03	Sandstone	4563.7	1.44	2.19	4.86	2.68	1.0
3	Elbe	Kotz-06A	Sandstone	4589.4	1.59	2.09	6.01	2.69	1.1
4	Elbe	Kotz-08	Sandstone	4603.0	1.46	2.78	5.56	2.68	1.2
5	Elbe	Kotz-09	Sandstone	4625.4	1.77	1.04	3.84	2.66	0.7
6	Elbe	Pa-06	Siltstone	5101.5	4.02	4.66	15.17	2.80	2.7
7	Elbe	Pa-17	Siltstone	4749.5	2.85	4.07	11.81	2.77	2.2
8	Havel	Kotz-10	Sandstone	4628.4	1.68	2.67	4.10	2.65	1.1
9	Havel	Kotz-14	Sandstone	4771.6	1.73	1.44	2.70	2.65	0.7
10	Havel	Kotz-17	Sandstone	4843.4	1.37	1.83	2.55	2.65	0.8
11	Havel	Pa-15	Siltstone	5801.5	1.24	2.29	8.65	2.72	1.3
12	Havel	Pa-12	Mudstone	5665.5	4.07	5.60	16.16	2.81	3.1
13	Westphalian	Ba-07	Mudstone	4300.7	3.37	4.49	16.84	2.81	2.7

Table A4. Radiogenic Heat Production ($\mu W/m^3$) of Lithotypes Determined from Well Logs

		Elbe Subgroup												Havel Subgroup					
		Mudstone			Depth (m)		Thickness	Sandstone			Depth		Thickness	Mudstone			Depth (m)		Thickness
Number	Well	Range		Mean	Minimum	Maximum	(m)	Range		Mean	Minimum	Maximum	(m)	Range		Mean	Minimum	Maximum	(m)
1	Well 1																		
2	Well 2																		
3	Well 3																		
4	Well 4																		
5	Binz 1/73							1.9	2.7	2.2	1424	1437	13						
6	Bzg 1/74	0.9	2.6	1.9	4750	4911	161	0.4	0.9	0.5	4381	4385	15						
											4433	4444							
7	Chi 1/71							0.6	1.5	1.1	3762	3883	121						
8	Ela 1/74	1.1	2.2	1.7	4241	4277	53	0.2	2.3	1.4	3910	3944	174	1.3	2.4	1.9	4573	4680	107
					4333	4350					4169	4240							
											4439	4508							
9	Gap 1/86	0.5	2.5	1.4	3814	3950	136	0.2	1.6	0.9	4030	4169	139						
10	Gst 1/73																		
11	Gs 2/67	0.9	2.2	1.7	4200	4385	256	0.4	0.9	0.7	4546	4607	61						
					4418	4489													
12	Gv 1/78	1.4	2.4	1.9	5433	5487	328	0.2	1.0	0.4	5206	5235	59	1.1	2.2	1.9	6101	6200	99
					5660	5752					5346	5376							
					5919	6101													
13	Gm 6/64																		
14	GrSk 3/90	0.5	3.8	2.0	3882	4094	213	0.7	3.1	1.1	4095	4192	98						
15	Kotz 4/74	1.4	2.0	1.7	4180	4197	30	0.8	1.3	1.1	4542	4640	98						
					4394	4407													
16	Loss 1/70																		
17	Ob 1/68	0.8	2.2	1.6	3499	3578	80	0.6	2.0	0.9	3580	3696	116						
18	Pa 1/68	0.2	2.6	1.6	4693	5508	815							1.0	2.6	2.0	5508	5782	274
19	Pw 2/76	0.5	1.8	1.3	4033	4090	93	0.5	1.6	1.0	4090	4130	60						
					4154	4190					4330	4350							
20	Pes 7/70	1.6	2.6	2.0	3303	3326	51	0.8	1.4	1.1	3511	3588	77						
					3341	3359													
					3428	3438													
21	Pnl 1/75	0.9	2.4	1.6	4569	4796	227												
22	Pröt 1/81	1.5	2.4	2.0	4143	4163	38	0.6	1.7	1.2	3904	3921	31	1.6	2.1	1.9	4523	4604	81
					4310	4328					4293	4307							
23	RmwL 11A/69	1.6	2.7	2.1	3809	3826	32	0.0	1.5	0.7	3680	3690	27	1.4	2.6	2.1	4159	4215	56
					3985	4000					3716	3725							
											4127	4135							
24	RhM 1/95																		
25	Rx 2/62																		
26	Rn 2/67																		
27	Rn 4/64																		

Table A4. Continued.

		Elbe Subgroup												Havel Subgroup					
		Mudstone			Depth (m)		Thickness	Sandstone			Depth		Thickness	Mudstone			Depth (m)		Thickness
Number	Well	Range		Mean	Minimum	Maximum	(m)	Range		Mean	Minimum	Maximum	(m)	Range		Mean	Minimum	Maximum	(m)
28	Sw 2/64	1.6	3.0	2.3	3339	3373	34	0.8	2.9	1.1	3579	3678	99						
29	Tuc 1/74	1.1	2.3	1.9	3850	3865	23	0.8	1.5	1.2	4138	4227	89						
					4000	4008													
30	Ven 1/78	0.2	3.1	1.6	4632	5350	718	0.3	0.7	0.6	4795	4803	8	1.0	2.4	1.9	5350	5435	85
31	Zeh 1/74	1.7	2.1	1.9	4089	4104	19	0.4	1.4	0.8	3920	3924	11	1.5	1.9	1.7	4262	4264	2
					4113	4117					4228	4235							
32	Zeh 2/75	1.5	2.2	1.9	4230	4263	33	0.5	1.6	0.7	4108	4111	39	1.6	2.5	2.2	4384	4395	11
											4224	4226							
											4327	4361							
33	ZooGs 1/75	1.3	2.2	1.8	4382	4392	13	0.7	1.4	1.0	4370	4374	6	1.4	1.8	1.7	4803	4806	8
					4543	4546					4736	4738					4854	4859	
	Total thickness						3352						1339						722
	Number of used drilling sites						20						20						9
	Mean thickness (m) of used GR-log section						168						67						80
	Weighted mean	1.3	2.3	1.7				0.4	2.2	1.0				1.7	2.2	1.9			

Table A4. Continued.

		Havel						Müritz					
		Sandstone			Depth (m)		Thickness	Mudstone			Depth (m)		Thickness
Number	Well	Range		Mean	Minimum	Maximum	(m)	Range		Mean	Minimum	Maximum	(m)
1	Well 1												
2	Well 2												
3	Well 3												
4	Well 4												
5	Binz 1/73												
6	Bzg 1/74	0.8	1.5	1.2	5037	5052	27						
					5064	5076							
7	Chi 1/71												
8	Ela 1/74	0.4	1.5	1.1	4715	4770	55						
9	Gap 1/86	0.4	2.1	1.0	4169	4388	219						
10	Gst 1/73												
11	Gs 2/67	0.4	1.2	0.7	4654	4691	62						
					4725	4750							
12	Gv 1/78												
13	Gm 6/64												
14	GrSk 3/90	0.9	2.7	1.6	4192	4226	34						
15	Kotz 4/74	0.6	1.2	0.8	4629	4650	171						
					4800	4950							
16	Loss 1/70												
17	Ob 1/68												
18	Pa 1/68	1.0	2.2	1.5	5783	6003	220	1.4	2.3	2.0	6003	6020	18
19	Pw 2/76												
20	Pes 7/70												
21	Pnl 1/75	0.4	2.4	1.2	5089	5374	285						
22	Pröt 1/81	0.6	1.3	1.0	4694	4749	55						
23	RmwL 11A/69	0.9	1.4	1.2	4232	4241	9						
24	RhM 1/95												
25	Rx 2/62												
26	Rn 2/67												
27	Rn 4/64												
28	Sw 2/64												
29	Tuc 1/74												
30	Ven 1/78	0.0	0.9	0.25*	5435	5653	218*						
31	Zeh 1/74	0.4	1.1	0.6	4295	4305	10						
32	Zeh 2/75	0.5	0.9	0.7	4423	4458	35						
33	ZooGs 1/75	1.0	1.4	1.2	4976	4983	7						
	Total thickness						1188						18
	Number of used drilling sites						13						1
	Mean thickness (m) of used GR-log section						91						18
	Weighted mean	0.6	1.6	1.1						2.0			

Table A4. Continued.

		Permian – Carboniferous											
		Rhyolite			Depth (m)		Thickness	Andesite			Depth (m)		Thickness
Number	Well	Range		Mean	Minimum	Maximum	(m)	Range		Mean	Minimum	Maximum	(m)
1	Well 1												
2	Well 2												
3	Well 3												
4	Well 4												
5	Binz 1/73	1.7	3.7	3.0	1437	1557	120						
6	Bzg 1/74	0.7	3.4	2.1	5083	5556	473	0.7	2.0	1.4	5556	5630	74
7	Chi 1/71							0.7	1.2	0.9	3825	3857	32
8	Ela 1/74												
9	Gap 1/86												
10	Gst 1/73	2.3	3.7	3.1	1430	1569	139						
11	Gs 2/67	1.6	4.0	3.3	4753	4854	101	0.8	1.5	1.1	4935	4955	20
12	Gv 1/78												
13	Gm 6/64												
14	GrSk 3/90												
15	Kotz 4/74	2.5	4.0	3.0	5166	5397	231						
		2.9	4.8	3.7	5438	5494	56						
16	Loss 1/70	3.0	5.0	4.1	3241	3285	44						
17	Ob 1/68							0.4	2.5	0.9	3757	4324	567
								0.1	1.8	0.5	4324	4799	475
18	Pa 1/68	2.1	5.4	3.5	6256	6488	232						
19	Pw 2/76	3.0	3.4	3.2	4371	4382	11						
20	Pes 7/70	1.0	4.3	3.5	3634	4010	376						
21	Pnl 1/75												
22	Pröt 1/81												
23	RmwL 11A/69	3.7	4.1	4.0	4243	4278	35						
24	RhM 1/95												
25	Rx 2/62	2.3	7.5	4.0	1510	1959	449						
26	Rn 2/67												
27	Rn 4/64												
28	Sw 2/64	1.9	4.5	3.3	3678	4944	1266						
29	Tuc 1/74	2.5	3.2	2.9	4285	4320	35						
30	Ven 1/78												
31	Zeh 1/74												
32	Zeh 2/75												
33	ZooGs 1/75							0.2	2.1	0.5	5133	5143	11
	Total thickness						3566						1178
	Number of used drilling sites						14						6
	Mean thickness (m) of used GR-log section						255						196
	Weighted mean	2.1	4.1	3.3				0.5	1.4	0.8			

Table A5. Radiogenic Heat Production ($\mu W/m^3$) of Formations Determined from Well Logs

Number	Well	Pleistocene			Depth (m)		Thickness (m)	Neogene			Depth (m)		Thickness (m)	Paleogene			Depth (m)		Thickness (m)
		Range		Mean	Minimum	Maximum		Range		Mean	Minimum	Maximum		Range		Mean	Minimum	Maximum	
1	Well 1	0.3	1.9	1.0	0	212	212							0.8	2.5	1.7	212	296	84
2	Well 2	0.2	2.3	0.9	0	212	212							0.8	2.9	1.9	212	295	83
3	Well 3	0.8	1.1	1.0	16	86	70												
4	Well 4	0.4	1.0	0.6	0	59	59												
5	Binz 1/73	0.5	1.2	0.8	1	41	40												
6	Bzg 1/74	0.5	1.5	0.8	13	195	182	0.8	1.3	1.1	195	230	35	0.5	2.3	1.4	230	1258	1028
7	Chi 1/71	0.1	0.6	0.4	0	56	56							0.1	0.9	0.5	56	168	112
8	Ela 1/74	0.6	1.4	1.0	8	132	124	0.6	1.3	0.9	132	234	102	0.6	1.8	1.2	234	756	522
9	Gap 1/86	0.6	1.3	0.8	0	52	52	0.5	1.3	0.8	52	167	115	0.9	2.7	1.7	167	485	318
10	Gst 1/73	0.5	1.5	1.0	1	42	41												
11	Gs 2/67	0.7	1.7	1.0	0	135	135	0.6	1.9	0.9	135	241	106	0.8	2.8	1.7	241	794	553
12	Gv 1/78	0.7	1.8	1.2	0	113	113	0.6	1.8	1.1	113	164	51	0.4	2.2	1.3	164	779	615
13	Gm 6/64																		
14	GrSk 3/90	0.8	2.8	1.1	0	43	43	0.9	1.6	1.1	43	82	39	1.0	1.6	1.4	82	168	86
15	Kotz 4/74	1.1	1.6	1.3	22	65	43	0.9	1.7	1.3	65	200	135	1.5	2.2	1.8	200	326	126
16	Loss 1/70	0.5	1.3	0.8	3	56	53												
17	Ob 1/68	0.7	1.4	1.0	0	51	51	0.7	1.6	1.1	51	106	55	1.3	2.1	1.6	106	148	42
18	Pa 1/68	1.0	1.9	1.5	0	129	129							1.3	2.1	1.7	129	171	41
19	Pw 2/76	0.6	1.4	0.9	0	75	75	0.7	0.9	0.8	75	93	18	0.6	1.1	0.8	93	128	35
20	Pes 7/70	0.2	0.6	0.4	11	60	49							0.0	1.0	0.5	60	372	312
21	Pnl 1/75	0.2	0.8	0.5	0	162	161							0.2	1.6	0.8	162	723	561
22	Pröt 1/81	0.8	1.4	1.1	0	130	130	0.7	1.2	1.0	130	236	105	0.6	2.5	1.6	236	757	521
23	RmwL 11A/69																		
24	RhM 1/95	0.5	1.8	1.0	0	87	87	0.3	2.0	0.9	87	188	101	0.3	2.6	1.4	188	693	505
25	Rx 2/62																		
26	Rn 2/67	0.4	1.5	1.0	9	77	68												
27	Rn 4/64																		
28	Sw 2/64	0.3	0.9	0.6	4	65	61	0.1	1.9	0.9	65	207	142	0.9	2.6	1.6	207	608	401
29	Tuc 1/74	0.4	1.1	0.8	0	86	86	0.7	1.4	1.0	86	197	110	0.7	2.0	1.5	197	291	94
30	Ven 1/78	0.5	1.4	0.9	0	217	217	0.4	1.1	0.7	217	316	99	0.7	2.2	1.5	316	1192	876
31	Zeh 1/74													0.2	2.7	1.2	663	1460	797
32	Zeh 2/75	0.6	1.2	0.9	0	91	91	0.6	1.1	0.9	91	246	155	0.5	2.2	1.3	246	538	292
33	ZooGs 1/75	0.6	1.4	1.0	1	140	139	0.6	2.1	1.4	140	298	158	0.9	2.1	1.7	298	361	63
	Total thickness						2774						1523						8062
	Number of used drilling sites						28						16						23
	Mean thickness (m) of used GR-log section						99						95						351
	Weighted mean	0.4	1.5	0.9				0.7	1.4	1.0				0.5	1.9	1.3			

Table A5. Continued.

Number	Well	Upper Cretaceous			Depth (m)		Thickness (m)	Lower Cretaceous			Depth (m)		Thickness (m)	Malm			Depth (m)		Thickness (m)
		Range		Mean	Minimum	Maximum		Range		Mean	Minimum	Maximum		Range		Mean	Minimum	Maximum	
1	Well 1	0.1	3.5	0.4	296	881	586	0.4	2.3	1.4	881	918	37						
2	Well 2	0.1	1.7	0.4	295	881	586	0.7	2.6	1.7	881	918	37						
3	Well 3																		
4	Well 4																		
5	Binz 1/73	0.3	1.1	0.6	41	554	513	0.7	1.4	1.0	554	561	7						
6	Bzg 1/74	0.2	1.6	0.6	1258	2334	1076	0.4	2.0	1.1	2334	2705	371						
7	Chi 1/71	0.0	0.7	0.3	168	423	255	0.4	1.8	1.1	423	454	31						
8	Ela 1/74	0.5	1.2	0.8	756	840	84	0.6	3.3	1.7	840	1766	926	0.9	2.7	1.8	1766	1861	95
9	Gap 1/86	0.4	1.9	0.7	485	710	225	0.8	2.1	1.6	710	959	249	0.8	2.8	1.8	959	1173	214
10	Gst 1/73	0.2	1.4	0.7	42	544	502	0.9	1.9	1.3	544	555	11						
11	Gs 2/67	0.6	1.9	0.9	794	1310	516	0.7	2.3	1.2	1310	1382	71						
12	Gv 1/78	0.2	1.3	0.7	779	1287	508	1.1	2.2	1.4	1287	1323	36						
13	Gm 6/64																		
14	GrSk 3/90	0.4	2.3	0.8	168	320	152	1.9	2.7	2.4	320	333	13						
15	Kotz 4/74							1.0	2.8	1.7	326	983	657	0.9	2.7	1.9	983	1460	477
16	Loss 1/70																		
17	Ob 1/68																		
18	Pa 1/68																		
19	Pw 2/76	0.4	1.3	0.8	128	601	473	1.0	2.1	1.3	601	620	19						
20	Pes 7/70																		
21	Pnl 1/75	0.1	1.3	0.4	723	1361	638	0.3	1.4	0.8	1361	1447	86						
22	Pröt 1/81	0.4	1.2	0.7	757	841	84	0.6	2.5	1.5	841	1760	919	0.9	2.3	1.4	1760	1850	90
23	RmwL 11A/69																		
24	RhM 1/95	0.2	1.3	0.5	693	954	261							0.2	3.6	0.9	955	1138	183
25	Rx 2/62																		
26	Rn 2/67	0.3	0.6	0.4	77	416	339	0.2	1.2	0.5	416	557	141						
27	Rn 4/64																		
28	Sw 2/64	0.3	1.5	0.7	608	923	315	1.2	2.7	1.7	923	1241	318						
29	Tuc 1/74	0.2	1.4	0.6	291	892	601	0.5	2.0	1.1	892	943	51						
30	Ven 1/78	0.3	1.5	0.7	1192	1788	596	0.8	2.6	1.7	1788	1946	158						
31	Zeh 1/74	0.6	1.8	0.9	1460	1601	141	0.9	2.3	1.9	1601	1623	22						
32	Zeh 2/75	0.0	0.7	0.4	538	869	331	0.1	1.6	0.6	869	924	55						
33	ZooGs 1/75	0.4	1.4	0.6	361	762	400	1.1	1.9	1.6	762	768	6						
	Total thickness						9178						4216						1058
	Number of used drilling sites						22						22						5
	Mean thickness (m) of used GR-log section						417						192						212
	Weighted mean	0.3	0.9	0.6				0.5	2.4	1.5				0.9	1.9	1.6			

Table A5. Continued.

Number	Well	Dogger			Depth (m)		Thickness (m)	Lias			Depth (m)		Thickness (m)	Keuper			Depth (m)		Thickness (m)
		Range		Mean	Minimum	Maximum		Range		Mean	Minimum	Maximum		Range		Mean	Minimum	Maximum	
1	Well 1	0.4	2.7	1.2	918	949	31	0.3	3.4	1.5	949	1257	308	0.4	4.0	1.5	1257	1343	86
2	Well 2	0.6	2.7	1.4	918	949	31	0.6	3.8	1.7	949	1257	308	0.6	2.8	1.7	1257	1335	78
3	Well 3																		
4	Well 4							0.5	1.3	0.9	59	506		0.4	1.7	0.7	506	624	118
5	Binz 1/73							0.4	2.8	1.1	561	736	175	0.5	2.1	1.3	736	841	105
6	Bzg 1/74													0.8	2.1	1.4	2705	2988	282
7	Chi 1/71	0.4	1.5	0.9	454	465	11	0.0	2.1	1.0	465	847	382	0.5	4.5	1.4	847	1426	579
8	Ela 1/74	1.8	2.5	2.2	1861	1982	121	0.9	2.6	1.8	1982	2199	217	0.7	2.8	1.8	2199	2370	171
9	Gap 1/86	0.4	2.7	1.7	1173	1430	257	0.1	3.2	1.2	1430	1791	361	0.3	3.4	0.9	1792	2265	473
10	Gst 1/73							1.1	2.6	2.0	555	563	8	0.4	2.3	1.2	563	720	157
11	Gs 2/67	0.6	3.0	1.4	1382	1515	133	0.8	2.7	1.8	1515	1976	461	0.3	3.5	1.6	1976	2775	799
12	Gv 1/78							0.7	2.6	1.6	1323	1447	124	0.5	2.8	1.8	1447	2178	731
13	Gm 6/64																		
14	GrSk 3/90							0.8	2.8	1.8	333	651	318	0.7	6.0	2.1	651	1244	593
15	Kotz 4/74	1.0	2.6	1.7	1460	1760	300	0.6	2.6	1.8	1760	2191	431	0.6	3.6	1.5	2191	2838	647
16	Loss 1/70							0.4	2.5	1.1	56	524	468	0.2	2.4	1.2	524	826	302
17	Ob 1/68													0.7	7.3	1.6	148	644	496
18	Pa 1/68							1.5	1.9	1.7	171	177	6	0.9	4.0	1.8	177	739	562
19	Pw 2/76	1.3	2.5	1.8	620	647	27	0.5	2.6	1.4	647	1088	441	1.1	2.9	1.8	1088	1529	441
20	Pes 7/70																		
21	Pnl 1/75	0.4	2.4	1.1	1447	1544	97	0.6	2.0	1.5	1544	1911	367	0.3	4.2	1.5	1911	2564	653
22	Pröt 1/81	1.4	2.0	1.7	1850	1971	121	0.7	2.0	1.5	1971	2197	226	0.6	2.8	1.7	2197	2364	167
23	RmwL 11A/69																		
24	RhM 1/95	0.2	2.8	1.3	1138	1249	111	0.4	2.9	1.4	1249	1580	331	0.3	2.2	0.8	1581	1705	125
25	Rx 2/62																		
26	Rn 2/67													0.6	1.8	1.3	557	611	54
27	Rn 4/64																		
28	Sw 2/64							0.7	2.1	1.6	1241	1346	105	0.6	2.3	1.6	1346	1659	313
29	Tuc 1/74							0.5	2.3	1.3	943	1300	357	0.5	4.7	1.8	1300	1939	639
30	Ven 1/78							1.1	2.5	1.8	1946	2291	345	0.4	2.9	1.5	2291	2837	546
31	Zeh 1/74							0.7	2.5	1.6	1623	1809	186	1.2	4.7	2.0	1809	2262	453
32	Zeh 2/75	0.2	1.6	0.9	924	1072	148	0.4	3.1	1.4	1072	1469	397	0.5	4.0	1.9	1469	2397	928
33	ZooGs 1/75	0.4	2.3	1.0	768	858	90	0.3	2.3	1.4	858	1183	325	0.4	2.6	1.1	1183	1840	657
	Total thickness						1475						6643						11,149
	Number of used drilling sites						13						23						27
	Mean thickness (m) of used GR-log section						113						289						413
	Weighted mean	0.9	2.2	1.5				0.9	2.0	1.5				0.7	2.1	1.6			

Table A5. Continued.

Number	Well	Muschelkalk			Depth (m)		Thickness (m)	Buntsandstein			Depth (m)		Thickness (m)	Zechstein			Depth (m)		Thickness (m)
		Range		Mean	Minimum	Maximum		Range		Mean	Minimum	Maximum		Range		Mean	Minimum	Maximum	
1	Well 1																		
2	Well 2																		
3	Well 3	0.6	1.1	0.8	86	286	200	0.6	1.3	1.0	286	622	336	0.3	1.7	0.5	623	1236	613
4	Well 4	0.8	2.5	1.4	624	750	126	0.2	2.9	1.8	750	1532	782	0.0	3.9	0.2	1533	2254	722
5	Binz 1/73	0.7	1.8	1.3	841	1021	180	0.6	2.6	1.4	1021	1409	388	0.5	2.0	0.9	1409	1424	15
6	Bzg 1/74	0.7	1.5	1.0	2988	3289	301	0.5	3.2	1.6	3289	4238	949	0.3	1.4	0.5	4238	4286	48
7	Chi 1/71	0.4	1.8	1.1	1426	1723	297	0.2	2.6	1.6	1723	2518	795	0.0	1.4	0.1	2518	3761	1243
8	Ela 1/74	0.0	2.0	0.9	2370	2704	334	0.3	3.4	2.0	2704	3695	991	0.2	2.7	0.6	3695	3831	136
9	Gap 1/86	0.0	1.6	0.7	2265	2576	311	0.0	7.3	1.1	2576	3395	819	0.0	2.1	0.3	3395	3814	419
10	Gst 1/73	0.7	2.0	1.2	720	911	191	0.7	2.1	1.4	911	1309	398	0.3	1.8	0.7	1309	1390	81
11	Gs 2/67	0.3	1.8	0.9	2775	3132	356	0.1	2.5	1.7	3132	4077	945	0.0	1.6	0.4	4077	4168	90
12	Gv 1/78	1.0	2.7	1.6	2178	2531	353	0.7	3.6	2.4	2531	3827	1296	0.3	3.0	0.8	3827	4936	1109
13	Gm 6/64																		
14	GrSk 3/90	0.5	2.2	1.1	1244	1552	308	0.4	3.5	2.1	1552	2370	818	0.1	2.5	0.4	2370	3882	1512
15	Kotz 4/74	0.3	1.6	0.8	2838	3171	332	0.1	2.7	1.5	3171	4040	869	0.0	1.6	0.3	4040	4166	126
16	Loss 1/70	0.4	1.6	1.0	826	1060	234	0.6	2.3	1.5	1060	1834	774	0.2	4.2	0.8	1834	2440	606
17	Ob 1/68	0.2	1.8	0.7	644	956	312	0.1	4.5	1.6	956	1743	787	0.0	2.7	0.3	1743	3498	1755
18	Pa 1/68	0.6	1.9	1.2	739	1044	305	0.4	3.1	1.9	1044	2056	1012	0.0	1.4	0.4	2056	4693	2637
19	Pw 2/76	0.8	1.8	1.3	1529	1621	92	0.7	2.8	1.9	1621	2591	970	0.0	1.5	0.2	2591	4033	1442
20	Pes 7/70													0.0	2.6	0.6	372	3296	2924
21	Pnl 1/75	0.5	1.7	1.0	2564	2919	355	0.5	3.1	1.7	2919	4002	1083	0.1	2.1	0.5	4002	4568	566
22	Pröt 1/81	0.4	1.6	0.9	2364	2689	325	0.0	2.6	1.6	2689	3689	1000	0.3	1.7	0.7	3689	3822	133
23	RmwL 11A/69													0.0	2.0	0.2	3421	3459	38
24	RhM 1/95																		
25	Rx 2/62																		
26	Rn 2/67	0.9	2.0	1.4	611	684	73	1.1	2.7	2.0	684	908	224	0.7	3.0	1.5	908	951	43
27	Rn 4/64							1.7	3.6	2.5	1091	1220	129	0.5	3.1	1.9	1220	1332	112
28	Sw 2/64	0.2	1.6	0.9	1659	1977	318	0.1	4.2	1.5	1977	2724	747	0.0	2.8	0.2	2724	3339	615
29	Tuc 1/74	0.7	2.5	1.3	1939	2246	307	0.5	3.8	1.9	2246	3025	779	0.0	2.5	0.3	3025	3846	821
30	Ven 1/78	0.4	1.9	0.8	2837	3199	362	0.2	3.0	2.0	3199	4263	1064	0.3	4.8	0.8	4263	4480	217
31	Zeh 1/74	0.8	2.1	1.4	2262	2574	312	0.6	3.4	2.3	2574	3413	839	0.0	1.7	0.4	3413	3892	479
32	Zeh 2/75	0.2	2.1	1.1	2397	2893	496	0.6	3.7	2.1	2893	3838	945	0.1	1.1	0.3	3838	3999	161
33	ZooGs 1/750.3	1.5	1.0	1840	2167	327	0.6	3.0	2.1	2167	3141	974	0.0	1.9	0.5		4331	1190	
	Total thickness						7102						20,707						19,851
	Number of used drilling sites						25						26						28
	Mean thickness (m) of used GR-log section						284						796						709
	Weighted mean	0.7	1.6	1.0				1	2.5	1.8				0.1	1.9	0.4			

Table A5. Continued.

Number	Well	Elbe			Depth (m)		Thickness (m)	Havel			Depth (m)		Thickness (m)	Müritz			Depth (m)		Thickness (m)
		Range		Mean	Minimum	Maximum		Range		Mean	Minimum	Maximum		Range		Mean	Minimum	Maximum	
1	Well 1																		
2	Well 2																		
3	Well 3																		
4	Well 4																		
5	Binz 1/73	1.9	2.7	2.2	1424	1437	13												
6	Bzg 1/74	0.4	2.6	1.4	4286	4911	625	0.4	2.8	1.7	4911	5083	172						
7	Chi 1/71	0.6	1.5	1.1	3762	3883	121												
8	Ela 1/74	0.2	2.5	1.4	3831	4508	677	0.4	2.4	1.6	4508	4775	267						
9	Gap 1/86	0.2	2.5	1.1	3815	4169	354	0.4	2.1	1.0	4169	4388	219						
10	Gst 1/73													1.8	2.9	2.5	1390	1430	40
11	Gs 2/67	0.4	2.2	1.4	4168	4614	446	0.4	2.7	1.0	4614	4753	139						
12	Gv 1/78	0.2	2.4	1.4	4936	6100	1164	1.1	2.2	1.9	6101	6200	99						
13	Gm 6/64																		
14	GrSk 3/90	0.5	3.8	1.7	3882	4192	310	0.9	2.7	1.6	4192	4226	34						
15	Kotz 4/74	0.7	2.0	1.2	4166	4629	462	0.6	2.1	0.9	4629	5018	389						
16	Loss 1/70																		
17	Ob 1/68	0.6	2.2	1.1	3499	3756	258												
18	Pa 1/68	0.2	2.6	1.6	4693	5508	815	1.0	2.6	1.8	5508	6002	494	1.0	3.5	2.0	6003	6256	253
19	Pw 2/76	0.4	3.0	1.2	4033	4370	337												
20	Pes 7/70	0.7	3.5	1.4	3296	3634	339												
21	Pnl 1/75	0.5	2.4	1.5	4569	4796	296	0.4	2.4	1.2	5089	5374	285						
					5015	5083													
22	Pröt 1/81	0.5	2.4	1.6	3822	4489	666	0.6	2.1	1.6	4489	4752	263						
23	RmwL 11A/69	0.0	2.7	1.5	3459	4153	694	0.8	3.2	1.9	4154	4243	89						
24	RhM 1/95																		
25	Rx 2/62																		
26	Rn 2/67																		
27	Rn 4/64																		
28	Sw 2/64	0.8	3.0	1.5	3339	3678	339												
29	Tuc 1/74	0.5	2.3	1.4	3846	4267	421												
30	Ven 1/78	0.2	3.1	1.6	4481	5350	869	0.0	2.4	0.72*	5350	5653	303*						
31	Zeh 1/74	0.3	2.3	1.5	3892	4256	363	0.4	1.9	1.2	4256	4334	78						
32	Zeh 2/75	0.4	2.2	1.4	4000	4382	382	0.5	2.8	1.6	4382	4622	240						
33	ZooGs 1/75	0.5	2.2	1.5	4332	4798	466	0.2	3.3	1.6	4798	5082	283						
	Total thickness						10,419						3050						293
	Number of used drilling sites						22						14						2
	Mean thickness (m) of used GR-log section						474						218						146
	Weighted mean	1.1	2.2	1.4				0.9	1.9	1.4				2	2.5	2.1			

Table A5. Continued.

Number	Well	Altmark (Sed.*)			Depth (m)		Thickness (m)	Stephanian (Sed.*)			Depth (m)		Thickness (m)	Westphalian			Depth (m)		Thickness (m)
		Range		Mean	Minimum	Maximum		Range		Mean	Minimum	Maximum		Range		Mean	Minimum	Maximum	
1	Well 1																		
2	Well 2																		
3	Well 3																		
4	Well 4																		
5	Binz 1/73							0.6	2.7	1.5	1557	1994	438	0.2	3.3	1.6	1994	2787	793
6	Bzg 1/74													0.6	3.1	2.0	5630	6559	929
7	Chi 1/71	0.8	1.2	1.1	3823	3825	2												
8	Ela 1/74													0.7	3.4	1.8	4775	4935	160
9	Gap 1/86																		
10	Gst 1/73	0.2	2.3	1.4	1569	1937	65	0.5	2.6	1.6	1954	2229	275	0.2	3.1	1.4	2229	3449	1220
11	Gs 2/67																		
12	Gv 1/78																		
13	Gm 6/64							0.6	2.7	1.5	3893	4024	131	0.6	2.9	1.8	4024	4829	805
14	GrSk 3/90																		
15	Kotz 4/74																		
16	Loss 1/70							0.9	3.7	2.3	3330	3545	214	0.3	4.2	2.4	3545	5336	1791
17	Ob 1/68							1.1	2.5	1.7	4799	4826	27						
18	Pa 1/68																		
19	Pw 2/76																		
20	Pes 7/70							0.7	3.7	1.9	4010	4450	440						
21	Pnl 1/75																		
22	Pröt 1/81																		
23	RmwL 11A/69																		
24	RhM 1/95																		
25	Rx 2/62																		
26	Rn 2/67							1.2	2.6	1.7	951	995	44	0.8	3.8	2.2	996	1621	625
27	Rn 4/64							0.8	3.1	1.8	1438	1688	250	0.0	3.2	1.4	1688	2508	820
28	Sw 2/64																		
29	Tuc 1/74	0.9	3.1	1.8	4268	4285	17												
30	Ven 1/78																		
31	Zeh 1/74																		
32	Zeh 2/75																		
33	ZooGs 1/75	0.6	2.8	1.7	5082	5132	50												
	Total thickness						134						1818						7142
	Number of used drilling sites						4						8						8
	Mean thickness (m) of used GR-log section						33						227						893
	Weighted mean	1.1	1.8	1.5				1.5	2.3	1.7				1.4	2.4	1.8			

Table A5. Continued.

Number	Well	Namurian			Depth (m)		Thickness (m)	Visean			Depth (m)		Thickness (m)	Tournaisian			Depth (m)		Thickness (m)
		Range		Mean	Minimum	Maximum		Range		Mean	Minimum	Maximum		Range		Mean	Minimum	Maximum	
1	Well 1																		
2	Well 2																		
3	Well 3																		
4	Well 4																		
5	Binz 1/73																		
6	Bzg 1/74	0.1	3.2	1.5	6559	7005	445												
7	Chi 1/71																		
8	Ela 1/74	0.6	2.3	1.7	4935	5206	271												
9	Gap 1/86																		
10	Gst 1/73							0.1	2.4	0.9	3449	4105	656	0.0	2.3	0.7	4105	4681	577
11	Gs 2/67	1.3	2.5	1.8	5041	5235	194												
12	Gv 1/78																		
13	Gm 6/64																		
14	GrSk 3/90																		
15	Kotz 4/74																		
16	Loss 1/70	0.5	3.5	2.2	5336	6231	895	0.3	2.9	1.3	6231	6876	645						
17	Ob 1/68							1.5	2.6	2.1	4826	4935	109						
18	Pa 1/68	0.1	3.4	2.0	6488	6995	507												
19	Pw 2/76																		
20	Pes 7/70	0.9	2.8	1.9	4450	4615	164												
21	Pnl 1/75																		
22	Pröt 1/81	0.9	2.9	1.9	4752	6740	1988												
23	RmwL 11A/69																		
24	RhM 1/95																		
25	Rx 2/62	1.1	3.6	2.3	2335	2819	484												
26	Rn 2/67							0.5	3.0	2.0	1621	2634	1013	0.4	2.9	1.7	2634	2843	209
27	Rn 4/64							0.1	3.0	1.0	2508	3384	876	0.1	2.2	0.8	3384	3761	377
28	Sw 2/64																		
29	Tuc 1/74																		
30	Ven 1/78																		
31	Zeh 1/74																		
32	Zeh 2/75	1.3	2.9	2.0	4495	5050	556												
33	ZooGs 1/75																		
	Total thickness						5505						3298						1162
	Number of used drilling sites						9						5						3
	Mean thickness (m) of used GR-log section						612						660						387
	Weighted mean	1.5	2.3	2.0				0.9	2.1	1.4				0.7	1.7	0.9			

Table A5. Continued.

Number	Well	Famennian			Depth (m)		Thickness (m)	Frasnian			Depth (m)		Thickness (m)	Givetian			Depth (m)		Thickness (m)
		Range		Mean	Minimum	Maximum		Range		Mean	Minimum	Maximum		Range		Mean	Minimum	Maximum	
1	Well 1																		
2	Well 2																		
3	Well 3																		
4	Well 4																		
5	Binz 1/73							0.3	2.5	1.6	2787	3151	364	0.0	3.4	1.3	3151	4238	1087
6	Bzg 1/74																		
7	Chi 1/71																		
8	Ela 1/74																		
9	Gap 1/86																		
10	Gst 1/73	0.3	1.1	0.8	4681	4703	22	0.0	2.4	0.8	4703	5414	711	0.0	2.2	0.7	5414	5495	82
11	Gs 2/67																		
12	Gv 1/78																		
13	Gm 6/64																		
14	GrSk 3/90																		
15	Kotz 4/74																		
16	Loss 1/70																		
17	Ob 1/68																		
18	Pa 1/68																		
19	Pw 2/76																		
20	Pes 7/70																		
21	Pnl 1/75																		
22	Pröt 1/81																		
23	RmwL 11A/69																		
24	RhM 1/95																		
25	Rx 2/62																		
26	Rn 2/67	0.0	3.7	1.4	2843	2918	74	0.0	2.7	1.2	2918	3752	834	0.0	2.8	1.0	3752	4414	662
27	Rn 4/64							0.2	2.1	0.9	3761	4156	395	0.1	2.9	1.2	4156	4470	314
28	Sw 2/64																		
29	Tuc 1/74																		
30	Ven 1/78																		
31	Zeh 1/74																		
32	Zeh 2/75																		
33	ZooGs 1/75																		
	Total thickness						96						2304						2145
	Number of used drilling sites						2						4						4
	Mean thickness (m) of used GR-log section						48						576						536
	Weighted mean	0.8	1.4	1.2				0.8	1.6	1.1				0.7	1.3	1.2			

Table A5. Continued.

Number	Well	Eifelian			Depth (m)		Thickness (m)
		Range		Mean	Minimum	Maximum	
1	Well 1						
2	Well 2						
3	Well 3						
4	Well 4						
5	Binz 1/73	0.2	2.8	1.5	4238	5015	777
6	Bzg 1/74						
7	Chi 1/71						
8	Ela 1/74						
9	Gap 1/86						
10	Gst 1/73						
11	Gs 2/67						
12	Gv 1/78						
13	Gm 6/64						
14	GrSk 3/90						
15	Kotz 4/74						
16	Loss 1/70						
17	Ob 1/68						
18	Pa 1/68						
19	Pw 2/76						
20	Pes 7/70						
21	Pnl 1/75						
22	Pröt 1/81						
23	RmwL 11A/69						
24	RhM 1/95						
25	Rx 2/62						
26	Rn 2/67	0.2	2.6	1.0	4415	4600	185
27	Rn 4/64						
28	Sw 2/64						
29	Tuc 1/74						
30	Ven 1/78						
31	Zeh 1/74						
32	Zeh 2/75						
33	ZooGs 1/75						
	Total thickness						962
	Number of used drilling sites						2
	Mean thickness (m) of used GR-log section						481
	Weighted mean	1	1.5	1.4			

*Sed. = only depth intervals with sedimentary rocks were regarded.