

附表1 地应力实测数据

附表1 (续1)

Attached Tab. 1 Measured in-situ stress data

编号	埋深/km	s_v /MPa	s_H /MPa	s_h /MPa	s_q /MPa	λ
1	0	0.8	13.4	4.5	8.95	11.19
2	0	3.58	6.46	2.78	4.62	1.29
3	0	4.06	5.49	2.34	3.915	0.96
4	0	5.2	4.1	1.3	2.7	0.52
5	0	5.4	9.25	6.98	8.115	1.50
6	0	5.4	11.9	4.4	8.15	1.51
7	0	6.3	8	4.7	6.35	1.01
8	0	7.75	15.89	3.97	9.93	1.28
9	0	8.9	13.7	8.1	10.9	1.22
10	0	9.3	14.1	5.7	9.9	1.06
11	0	9.8	14.5	6.4	10.45	1.07
12	0	10.27	14.35	8.41	11.38	1.11
13	0	11.73	15.84	11.2	13.52	1.15
14	0	15.5	23.7	11.9	17.8	1.15
15	0	15.82	22.01	5.92	13.965	0.88
16	0.006	0.159	2.6	1.4	2	12.58
17	0.006	0.16	1.2	0.9	1.05	6.56
18	0.007	0.185	1.1	-0.1	0.5	2.70
19	0.008	0.211	1.5	1	1.25	5.92
20	0.008	0.211	3.7	2.8	3.25	15.40
21	0.008	0.212	4.7	2.7	3.7	17.45
22	0.009	0.238	0.4	0.2	0.3	1.26
23	0.009	0.238	7.7	6.2	6.95	29.20
24	0.009	0.32	2.5	1.3	1.9	5.94
25	0.009	1.5	4.7	0.246	2.473	1.65
26	0.009	1.9	8.1	0.23	4.165	2.19
27	0.009	16.7	6.4	4.1	5.25	0.31
28	0.009	25.53	38.56	23.28	30.92	1.21
29	0.01	0.265	1.3	0.8	1.05	3.96
30	0.01	0.265	2.1	0.5	1.3	4.91
31	0.01	0.265	2.6	1.4	2	7.55
32	0.01	0.265	7.5	5.3	6.4	24.15
33	0.01	0.265	9.3	5.9	7.6	28.68
34	0.01	0.29	1	0.9	0.95	3.28
35	0.01	1.4	2.8	2.5	2.65	1.89
36	0.01	4.7	9.7	6.8	8.25	1.76
37	0.01	19.84	29.14	16.59	22.865	1.15
38	0.011	0.291	2.4	1.4	1.9	6.53
39	0.011	0.291	2.5	1.7	2.1	7.22
40	0.011	0.291	3	2.1	2.55	8.76
41	0.011	0.291	3.2	0.6	1.9	6.53
42	0.011	0.291	3.5	2.2	2.85	9.79

编号	埋深/km	s_v /MPa	s_H /MPa	s_h /MPa	s_q /MPa	λ
43	0.011	0.291	4.2	2.1	3.15	10.82
44	0.011	0.291	6.6	3.2	4.9	16.84
45	0.011	0.291	15.4	8.4	11.9	40.89
46	0.012	0.318	2.2	1.1	1.65	5.19
47	0.012	0.318	2.7	2.1	2.4	7.55
48	0.012	0.318	3.1	1.4	2.25	7.08
49	0.012	0.318	3.3	2.1	2.7	8.49
50	0.012	0.318	3.5	2.5	3	9.43
51	0.012	0.318	6.7	5.4	6.05	19.03
52	0.012	4.78	9.47	4.21	6.84	1.43
53	0.012	19.05	16.45	8.55	12.5	0.66
54	0.013	-0.84	2.61	-1.37	0.62	-0.74
55	0.013	0.344	3.6	1.7	2.65	7.70
56	0.013	0.344	4.7	1.1	2.9	8.43
57	0.013	0.344	4.8	3.2	4	11.63
58	0.013	0.344	5.8	3	4.4	12.79
59	0.013	3	1.1	0.5	0.8	0.27
60	0.013	6.3	2.9	1.4	2.15	0.34
61	0.014	0.37	2.2	1.4	1.8	4.86
62	0.014	1.65	0.82	0.66	0.74	0.45
63	0.015	0.397	1.3	0.7	1	2.52
64	0.015	0.397	3.1	2.1	2.6	6.55
65	0.015	0.397	8.9	4.5	6.7	16.88
66	0.015	1.49	0.71	0.53	0.62	0.42
67	0.016	0.423	2.3	1.4	1.85	4.37
68	0.016	0.423	2.7	2	2.35	5.56
69	0.016	0.423	4.4	4.1	4.25	10.05
70	0.016	0.423	15	8.4	11.7	27.66
71	0.018	0.476	2.6	0.4	1.5	3.15
72	0.018	20.9	9.5	6.7	8.1	0.39
73	0.02	0.529	2.4	2.3	2.35	4.44
74	0.02	0.529	5.3	3.1	4.2	7.94
75	0.02	0.529	9.2	4.2	6.7	12.67
76	0.02	0.529	25.9	21.8	23.85	45.09
77	0.02	4.4	7.6	2.4	5	1.14
78	0.02	9.8	21.7	5.3	13.5	1.38
79	0.021	0.556	5	3.6	4.3	7.73
80	0.022	0.5	0.9	-1.8	-0.45	-0.90
81	0.023	0.609	1.7	1.5	1.6	2.63
82	0.024	0.635	1.6	1.2	1.4	2.20
83	0.025	0.66	2.4	1.5	1.95	2.95
84	0.026	0.7	6	4.1	5.05	7.21
85	0.028	0.741	4.8	2.8	3.8	5.13

附表1(续2)

编号	埋深/km	s_v /MPa	s_H /MPa	s_h /MPa	s_d /MPa	λ
86	0.03	24.7	15.6	4.7	10.15	0.41
87	0.031	0.82	11.5	5.7	8.6	10.49
88	0.031	1.12	6.64	5.05	5.845	5.22
89	0.034	0.9	9.1	4.8	6.95	7.72
90	0.035	-0.2	1.9	-0.2	0.85	-4.25
91	0.036	1	4.6	2.5	3.55	3.55
92	0.037	0.979	3	2	2.5	2.55
93	0.037	0.979	4	2.8	3.4	3.47
94	0.04	1	8.4	5.1	6.75	6.75
95	0.04	1.13	7.1	4.5	5.8	5.13
96	0.04	3.3	5.7	1.6	3.65	1.11
97	0.044	1.164	4.2	3.5	3.85	3.31
98	0.044	11	18.2	9.87	14.035	1.28
99	0.045	1.2	6.4	3.3	4.85	4.04
100	0.05	0	0.65	0.25	0.45	—
101	0.05	3	9.5	-1.7	3.9	1.30
102	0.053	17.49	11.84	7.01	9.425	0.54
103	0.055	1.455	7.8	6.7	7.25	4.98
104	0.06	7.58	20	5.52	12.76	1.68
105	0.064	0	5.1	0.75	2.925	—
106	0.064	1.877	21.8	6.6	14.2	7.57
107	0.065	7.2	29.1	15.4	22.25	3.09
108	0.067	0	1.6	0.9	1.25	—
109	0.068	1.95	5.4	2.7	4.05	2.08
110	0.068	2.01	2.8	2.4	2.6	1.29
111	0.069	1.826	10.22	6.43	8.325	4.56
112	0.07	0	0.3	0.1	0.2	—
113	0.07	1.6	1.7	1.5	1.6	1.00
114	0.072	1.2	7.3	4	5.65	4.71
115	0.075	2.3	4.5	3.9	4.2	1.83
116	0.08	1.81	10	6.7	8.35	4.61
117	0.08	2.24	6.1	4.1	5.1	2.28
118	0.083	2.196	11.6	6.7	9.15	4.17
119	0.084	2.31	5.1	4	4.55	1.97
120	0.085	0	2.5	2.2	2.35	—
121	0.085	2.249	7.2	4.1	5.65	2.51
122	0.088	0	1.26	-1.5	-0.12	—
123	0.09	0	0.75	0.01	0.38	—
124	0.09	2	4.5	2.04	3.27	1.64
125	0.09	2.037	7.8	5.7	6.75	3.31
126	0.09	2.78	15.5	4.6	10.05	3.62
127	0.09	10.07	9.01	7.65	8.33	0.83
128	0.091	2.408	11.6	7.55	9.575	3.98

附表1(续3)

编号	埋深/km	s_v /MPa	s_H /MPa	s_h /MPa	s_d /MPa	λ
129	0.092	2.434	11.3	4	7.65	3.14
130	0.093	0	10.5	3.2	6.85	—
131	0.093	2.37	5.9	3	4.45	1.88
132	0.094	2.22	4	2.6	3.3	1.49
133	0.095	12.9	3.7	-1.4	1.15	0.09
134	0.098	4.39	6	5.5	5.75	1.31
135	0.1	0	9.4	5.4	7.4	—
136	0.1	2.2	8	2.5	5.25	2.39
137	0.1	2.26	13.3	9.6	11.45	5.07
138	0.1	3.4	7.8	1	4.4	1.29
139	0.1	3.8	8.6	0.8	4.7	1.24
140	0.1	3.9	10.2	6.4	8.3	2.13
141	0.1	4.4	14.3	8.5	11.4	2.59
142	0.1	5.6	10	3.4	6.7	1.20
143	0.1	6.3	17.4	-3.2	7.1	1.13
144	0.1	6.4	12.3	9	10.65	1.66
145	0.1	6.5	10.5	4	7.25	1.12
146	0.1	8.1	17.6	-0.4	8.6	1.06
147	0.1	9.2	1.6	-0.6	0.5	0.05
148	0.1	12.1	17.1	3	10.05	0.83
149	0.1	17.7	18.3	12.5	15.4	0.87
150	0.103	2.53	8	3.6	5.8	2.29
151	0.103	2.6	4.9	3.65	4.275	1.64
152	0.105	2.83	4.96	3.1	4.03	1.42
153	0.11	0	7.2	0.67	3.935	—
154	0.11	2.49	6.5	4.1	5.3	2.13
155	0.11	2.9	8.2	4.8	6.5	2.24
156	0.11	5.1	10.1	0	5.05	0.99
157	0.112	2.31	12.2	5.2	8.7	3.77
158	0.113	2.77	7.8	3.7	5.75	2.08
159	0.115	5.5	6.5	0	3.25	0.59
160	0.119	3.15	9	5.5	7.25	2.30
161	0.119	3.2	11.4	5.7	8.55	2.67
162	0.12	2.7	4.7	1.9	3.3	1.22
163	0.12	2.72	1.3	0.42	0.86	0.32
164	0.12	3.175	16.8	5.8	11.3	3.56
165	0.12	6.2	8.4	4.2	6.3	1.02
166	0.12	6.8	17	8.9	12.95	1.90
167	0.12	9	27	13	20	2.22
168	0.123	3.3	5.6	3.6	4.6	1.39
169	0.124	3.96	9.2	6.1	7.65	1.93
170	0.125	2.83	6.8	3.8	5.3	1.87
171	0.125	3.82	7.29	1.65	4.47	1.17

附表 1 (续 4)

编号	埋深/km	s_v /MPa	s_H /MPa	s_h /MPa	s_d /MPa	λ
172	0.131	4.3	6.8	4.8	5.8	1.35
173	0.131	5	10.6	6.7	8.65	1.73
174	0.135	6.7	26.6	-5.2	10.7	1.60
175	0.136	3.96	12.5	7	9.75	2.46
176	0.137	3.73	8.2	6	7.1	1.90
177	0.139	0	4.85	0.96	2.905	—
178	0.14	3	1.1	0.5	0.8	0.27
179	0.14	3.6	4.5	3	3.75	1.04
180	0.14	3.7	11	6.4	8.7	2.35
181	0.14	3.9	9	1.9	5.45	1.40
182	0.143	0	3.9	2.36	3.13	—
183	0.144	3	2.4	1.6	2	0.67
184	0.15	0	4.4	0.05	2.225	—
185	0.15	5.5	11.5	6.3	8.9	1.62
186	0.152	3	4.25	3.6	3.925	1.31
187	0.153	4.44	9.58	4.33	6.955	1.57
188	0.16	2.8	9.7	6	7.85	2.80
189	0.163	17.37	15	9.78	12.39	0.71
190	0.164	3.96	17.7	5.6	11.65	2.94
191	0.164	5.73	10.8	10.24	10.52	1.84
192	0.165	4.53	10.7	6.8	8.75	1.93
193	0.166	3.3	5	4.2	4.6	1.39
194	0.169	6.3	12.6	5	8.8	1.40
195	0.17	0	-0.6	-0.65	-0.625	—
196	0.17	2.8	5.1	3.85	4.475	1.60
197	0.17	5.26	9.87	7.8	8.835	1.68
198	0.171	0	9.6	1.7	5.65	—
199	0.173	4.578	11.6	5.3	8.45	1.85
200	0.173	4.578	16.9	7.1	12	2.62
201	0.174	0	1.55	0.4	0.975	—
202	0.176	4.8	6.03	5.51	5.77	1.20
203	0.18	4.6	9.6	4.074	6.837	1.49
204	0.18	4.8	11.2	6.1	8.65	1.80
205	0.18	5.1	5.8	3.9	4.85	0.95
206	0.182	5.3	13.8	7.7	10.75	2.03
207	0.184	4.9	14.5	7.9	11.2	2.29
208	0.184	4.93	8.3	4.8	6.55	1.33
209	0.185	0	4.1	2.9	3.5	—
210	0.185	5.2	23.1	13.1	18.1	3.48
211	0.185	6.7	1.7	0.6	1.15	0.17
212	0.186	5	7.3	5.2	6.25	1.25
213	0.19	0	7.4	-3.5	1.95	—
214	0.19	4.2	5	4.3	4.65	1.11

附表 1 (续 5)

编号	埋深/km	s_v /MPa	s_H /MPa	s_h /MPa	s_d /MPa	λ
215	0.19	4.3	29	19.8	24.4	5.67
216	0.19	7	16	4.9	10.45	1.49
217	0.191	0	-1.5	-9.7	-5.6	—
218	0.194	0	4.9	0.05	2.475	—
219	0.194	4.44	17	10.9	13.95	3.14
220	0.194	4.66	7.06	4.48	5.77	1.24
221	0.197	4.8	10.1	6.2	8.15	1.70
222	0.197	12.76	23.66	13.13	18.395	1.44
223	0.198	4.35	7.4	0.117	3.7585	0.86
224	0.198	9.03	15.08	12.61	13.845	1.53
225	0.2	2	5	4.53	4.765	2.38
226	0.2	5.292	11.05	7.45	9.25	1.75
227	0.2	6.1	8.3	1.7	5	0.82
228	0.2	9.5	21.8	15.9	18.85	1.98
229	0.2	12.8	18	13.4	15.7	1.23
230	0.205	1.7	5.5	3	4.25	2.50
231	0.207	4.73	10.3	5.5	7.9	1.67
232	0.209	0	-2.6	-8.4	-5.5	—
233	0.21	3.69	7.37	1.94	4.655	1.26
234	0.21	6.2	26	12.9	19.45	3.14
235	0.217	7.56	33.4	19	26.2	3.47
236	0.218	4.8	11.5	7	9.25	1.93
237	0.225	0	7.2	3.1	5.15	—
238	0.226	7.42	30	22.4	26.2	3.53
239	0.23	3.6	20.8	7.7	14.25	3.96
240	0.23	5.21	8.7	7	7.85	1.51
241	0.23	5.21	13	12	12.5	2.40
242	0.23	15.2	24	6.3	15.15	1.00
243	0.231	8.64	6.44	5.61	6.025	0.70
244	0.233	6.165	19	10.5	14.75	2.39
245	0.234	7.8	28.6	9.3	18.95	2.43
246	0.236	9	35	18	26.5	2.94
247	0.24	3.1	16.9	12.7	14.8	4.77
248	0.24	6.35	34.4	2.6	18.5	2.91
249	0.24	7.07	12.36	8.24	10.3	1.46
250	0.24	7.2	26.7	13.8	20.25	2.81
251	0.24	15	18.6	11.2	14.9	0.99
252	0.24	19.9	31.3	7.9	19.6	0.98
253	0.244	6.5	7.9	4.7	6.3	0.97
254	0.25	5.66	12.4	9.4	10.9	1.93
255	0.25	6.5	4	0.6	2.3	0.35
256	0.25	13.2	20	13	16.5	1.25
257	0.25	13.5	19	11.5	15.25	1.13

附表1(续6)

编号	埋深/km	s_v /MPa	s_H /MPa	s_h /MPa	s_d /MPa	λ
258	0.25	17.9	36.5	14	25.25	1.41
259	0.252	0	0.9	0	0.45	—
260	0.252	5.95	7.4	5	6.2	1.04
261	0.254	6.721	10.7	8	9.35	1.39
262	0.255	6.04	17.3	10.9	14.1	2.33
263	0.258	0	3.85	1.6	2.725	—
264	0.259	7.4	20	15.8	17.9	2.42
265	0.26	5.37	10.75	8	9.375	1.75
266	0.266	13.45	12.56	7.6	10.08	0.75
267	0.273	6.18	22	10.8	16.4	2.65
268	0.277	0	-0.45	-7.3	-3.875	—
269	0.28	6.4	17.6	8	12.8	2.00
270	0.28	8.6	7	3.7	5.35	0.62
271	0.28	70	58	10	34	0.49
272	0.285	2.2	9.4	-0.7	4.35	1.98
273	0.285	9.59	8.09	6.99	7.54	0.79
274	0.29	8.3	12.9	7.3	10.1	1.22
275	0.293	7.13	12.2	7.8	10	1.40
276	0.3	3.3	13.5	2.6	8.05	2.44
277	0.3	3.92	10.1	4.9	7.5	1.91
278	0.3	4.9	17	11.7	14.35	2.93
279	0.3	10.4	26	3.1	14.55	1.40
280	0.3	16.2	21.2	12	16.6	1.02
281	0.3	21.2	42.5	7.4	24.95	1.18
282	0.304	8.044	9	4	6.5	0.81
283	0.307	8.07	13.84	9.94	11.89	1.47
284	0.308	10.3	15.8	7.9	11.85	1.15
285	0.31	16.6	42.9	23	32.95	1.98
286	0.312	8.1	22.9	14.1	18.5	2.28
287	0.314	7.63	29.7	13.8	21.75	2.85
288	0.32	5.51	11.22	4.47	7.845	1.42
289	0.32	9.16	21.43	9.66	15.545	1.70
290	0.32	19.5	59.2	36.5	47.85	2.45
291	0.321	12.38	34.2	22.1	28.15	2.27
292	0.322	7.04	30.5	17.2	23.85	3.39
293	0.323	7.99	26.2	13.1	19.65	2.46
294	0.325	6.88	12.88	8.34	10.61	1.54
295	0.327	7.56	14.23	7.01	10.62	1.40
296	0.327	8.24	16.8	13.4	15.1	1.83
297	0.33	29.3	29.6	26.8	28.2	0.96
298	0.334	18.47	28.19	22.94	25.565	1.38
299	0.338	0	10.5	3.6	7.05	—
300	0.34	8.35	8.6	5.6	7.1	0.85

附表1(续7)

编号	埋深/km	s_v /MPa	s_H /MPa	s_h /MPa	s_d /MPa	λ
301	0.34	9	32	9	20.5	2.28
302	0.346	8.67	19.2	11.7	15.45	1.78
303	0.349	8.06	25.7	15.5	20.6	2.56
304	0.349	8.42	24.5	13.8	19.15	2.27
305	0.35	7.9	20.2	8.36	14.28	1.81
306	0.35	7.92	20	11.5	15.75	1.99
307	0.35	9.261	11.9	4.8	8.35	0.90
308	0.35	9.9	20	11.2	15.6	1.58
309	0.35	10.6	14.2	6	10.1	0.95
310	0.35	12.9	47.2	26.4	36.8	2.85
311	0.354	8.67	18.2	15.2	16.7	1.93
312	0.357	10.61	22.9	13.8	18.35	1.73
313	0.357	12.4	10	9.25	9.625	0.78
314	0.36	16.5	10.4	5.7	8.05	0.49
315	0.363	8.69	16.2	13.8	15	1.73
316	0.37	1.09	11.1	7.16	9.13	8.38
317	0.37	11.28	22.01	11.79	16.9	1.50
318	0.37	14	14	6.4	10.2	0.73
319	0.374	11.38	39.3	22.7	31	2.72
320	0.375	7.95	8.75	8.2	8.475	1.07
321	0.375	9.923	19.8	10.8	15.3	1.54
322	0.38	9.7	17.3	7.3	12.3	1.27
323	0.38	10.3	12	8.8	10.4	1.01
324	0.38	25.2	30.3	20.8	25.55	1.01
325	0.381	16.92	27.88	14.8	21.34	1.26
326	0.383	10	26.9	11.4	19.15	1.92
327	0.386	9.94	18.8	12.8	15.8	1.59
328	0.39	8.6	7.2	2.5	4.85	0.56
329	0.393	11.11	17.2	11.4	14.3	1.29
330	0.396	9.66	16.57	8.91	12.74	1.32
331	0.396	10.48	7.8	5.8	6.8	0.65
332	0.4	0.01	0	0	0	0.00
333	0.4	5.8	20.8	14.9	17.85	3.08
334	0.4	8.11	13.42	5.78	9.6	1.18
335	0.4	8.4	28.4	5.3	16.85	2.01
336	0.4	9.05	15	13.6	14.3	1.58
337	0.4	9.05	22	12	17	1.88
338	0.4	10.1	18.8	7.6	13.2	1.31
339	0.4	10.58	8.2	5.5	6.85	0.65
340	0.4	10.68	17.07	6.03	11.55	1.08
341	0.4	13.52	11.59	9.52	10.555	0.78
342	0.4	22	56	37	46.5	2.11
343	0.409	11.52	12.1	8.6	10.35	0.90

附表 1 (续 8)

编号	埋深/km	s_v /MPa	s_H /MPa	s_h /MPa	s_d /MPa	λ
344	0.41	0	14	11.4	12.7	—
345	0.41	18	22	12	17	0.94
346	0.416	9.89	24	17.5	20.75	2.10
347	0.417	0	4	-16.3	-6.15	—
348	0.417	6.91	15.92	9.02	12.47	1.80
349	0.419	10.31	15.83	8.9	12.365	1.20
350	0.419	11.29	40.5	22.7	31.6	2.80
351	0.42	11.11	34	6.5	20.25	1.82
352	0.42	12.1	34	22	28	2.31
353	0.42	46.5	96.8	37.4	67.1	1.44
354	0.43	-6	49	-9	20	-3.33
355	0.43	9.73	17	15.5	16.25	1.67
356	0.43	9.732	27.1	13.4	20.25	2.08
357	0.432	11.09	7.85	6.65	7.25	0.65
358	0.443	3.7	16.7	14.6	15.65	4.23
359	0.45	10.18	25	14.7	19.85	1.95
360	0.45	10.6	22	5.6	13.8	1.30
361	0.45	12.8	31.2	19.18	25.19	1.97
362	0.45	20.2	10.6	3.5	7.05	0.35
363	0.46	11.3	12.2	6.8	9.5	0.84
364	0.46	12.17	29.1	7.8	18.45	1.52
365	0.46	12.17	50	28.2	39.1	3.21
366	0.46	24.06	27.1	14.5	20.8	0.86
367	0.465	8.3	15.07	11.26	13.165	1.59
368	0.472	10.68	19.7	13.5	16.6	1.55
369	0.472	12.8	8.4	6.1	7.25	0.57
370	0.474	10.24	10.9	10.24	10.57	1.03
371	0.475	19.5	9.5	4.8	7.15	0.37
372	0.48	12.7	24.5	15.4	19.95	1.57
373	0.48	12.7	32	20.6	26.3	2.07
374	0.48	13	24.5	0.5	12.5	0.96
375	0.48	15.2	26	10.86	18.432	1.21
376	0.48	19.3	25.6	19.1	22.35	1.16
377	0.481	14.74	17.1	6.85	11.975	0.81
378	0.49	12.97	21.09	11.89	16.49	1.27
379	0.49	14.3	16.6	10.4	13.5	0.94
380	0.492	11.11	37	23.3	30.15	2.71
381	0.495	14.74	25.1	17.72	21.41	1.45
382	0.5	10.8	14	11.32	12.66	1.17
383	0.5	11.32	27	19.3	23.15	2.05
384	0.5	11.32	44	31	37.5	3.31
385	0.5	13.19	23.5	15.2	19.35	1.47
386	0.5	15.9	18.8	8.3	13.55	0.85

附表 1 (续 9)

编号	埋深/km	s_v /MPa	s_H /MPa	s_h /MPa	s_d /MPa	λ
387	0.5	17.5	32.2	10.2	21.2	1.21
388	0.5	19.2	33	27.2	30.1	1.57
389	0.5	24.8	48.5	24.9	36.7	1.48
390	0.51	10.1	16	7.8	11.9	1.18
391	0.515	11.17	26.64	20.89	23.765	2.13
392	0.515	14.03	37.9	22.1	30	2.14
393	0.518	13.21	20.9	10.34	15.62	1.18
394	0.521	13.9	25.9	10.2	18.05	1.30
395	0.525	0	17.2	7.9	12.55	—
396	0.543	13.07	23.32	14.9	19.11	1.46
397	0.543	15.2	17.1	11	14.05	0.92
398	0.544	0	1.5	1.4	1.45	—
399	0.549	15.49	21.06	16.65	18.855	1.22
400	0.55	12.45	35	25	30	2.41
401	0.55	16.9	14.1	4.9	9.5	0.56
402	0.55	18.8	26.3	17.6	21.95	1.17
403	0.551	29.38	34.1	9.06	21.58	0.73
404	0.56	27	46	41	43.5	1.61
405	0.565	14.42	29.9	19.3	24.6	1.71
406	0.593	9.9	14.6	13.8	14.2	1.43
407	0.594	16	35.4	21.4	28.4	1.78
408	0.595	14.6	22.4	16.5	19.45	1.33
409	0.597	15.48	28.2	17.6	22.9	1.48
410	0.598	15.06	27.26	17	22.13	1.47
411	0.6	11.5	26.4	15.7	21.05	1.83
412	0.6	16.2	28	15	21.5	1.33
413	0.6	23.19	33.4	22.8	28.1	1.21
414	0.6	25	40	16	28	1.12
415	0.6	25.25	31.9	17.7	24.8	0.98
416	0.61	12.95	21.31	11.85	16.58	1.28
417	0.615	12.2	14.14	7.3	10.72	0.88
418	0.627	16.5	19.2	12.8	16	0.97
419	0.63	19	29.5	14.1	21.8	1.15
420	0.63	21.7	40.4	24.1	32.25	1.49
421	0.633	15.42	21.59	12.99	17.29	1.12
422	0.635	13.84	29	25	27	1.95
423	0.639	10.6	13.8	10.6	12.2	1.15
424	0.642	0.5	5.7	3.7	4.7	9.40
425	0.65	19.51	15.69	12.8	14.245	0.73
426	0.675	17.93	31.8	19.6	25.7	1.43
427	0.68	15.14	26.02	12.24	19.13	1.26
428	0.681	17.37	24.65	12.9	18.775	1.08
429	0.682	13.74	22.03	16.22	19.125	1.39

附表1(续10)

编号	埋深/km	s_v /MPa	s_H /MPa	s_h /MPa	s_d /MPa	λ
430	0.683	17.98	28.85	19.74	24.295	1.35
431	0.7	14.27	19.24	11.92	15.58	1.09
432	0.7	16	33.5	-13.2	10.15	0.63
433	0.7	17.5	37.7	14.3	26	1.49
434	0.723	14.28	19.23	11.93	15.58	1.09
435	0.725	27.5	31.8	17.6	24.7	0.90
436	0.725	36.8	28.7	8	18.35	0.50
437	0.73	17.6	25.12	19.58	22.35	1.27
438	0.732	11.17	24.53	12.43	18.48	1.65
439	0.732	20.1	53.1	45.8	49.45	2.46
440	0.733	19.19	28.18	15.83	22.005	1.15
441	0.746	20.61	39.01	15.73	27.37	1.33
442	0.75	8	24.97	13.28	19.125	2.39
443	0.75	12.3	16.5	10.5	13.5	1.10
444	0.75	15.59	27.41	3.4	15.405	0.99
445	0.75	19	19.8	10.7	15.25	0.80
446	0.773	18.96	33.3	16.3	24.8	1.31
447	0.774	19.31	30.67	14.77	22.72	1.18
448	0.775	10.36	23.4	17.83	20.615	1.99
449	0.781	36.7	61.5	51	56.25	1.53
450	0.79	18.5	37.7	11.3	24.5	1.32
451	0.79	23	35.2	19.3	27.25	1.18
452	0.79	29.3	37.2	27.6	32.4	1.11
453	0.8	26	28	14	21	0.81
454	0.8	32.2	37	17.6	27.3	0.85
455	0.808	14	24	11.3	17.65	1.26
456	0.81	5.78	11.24	7.86	9.55	1.65
457	0.81	19.75	25.97	22.65	24.31	1.23
458	0.831	22.28	54	28.9	41.45	1.86
459	0.84	14.9	24.5	10	17.25	1.16
460	0.84	16.1	28.7	19.3	24	1.49
461	0.85	21.5	33.9	14.4	24.15	1.12
462	0.852	19.4	18.3	13.4	15.85	0.82
463	0.862	22.64	27.3	15.3	21.3	0.94
464	0.864	38.77	40.2	19.1	29.65	0.76
465	0.87	23.02	45.7	16.4	31.05	1.35
466	0.87	25.4	9.2	7.6	8.4	0.33
467	0.9	23	31	20	25.5	1.11
468	0.9	25	26	18	22	0.88
469	0.9	46.5	26	18.1	22.05	0.47
470	0.919	16.1	23.5	23.1	23.3	1.45
471	0.973	26.3	26.8	16.7	21.75	0.83
472	0.976	30.8	59.9	24.4	42.15	1.37

附表1(续11)

编号	埋深/km	s_v /MPa	s_H /MPa	s_h /MPa	s_d /MPa	λ
473	0.98	35	83	24	53.5	1.53
474	1	31.66	46.3	24.3	35.3	1.11
475	1.004	11.94	18.46	15.06	16.76	1.40
476	1.024	26.2	61.2	34.8	48	1.83
477	1.024	34.8	61.2	26.2	43.7	1.26
478	1.047	34.5	60.6	26.3	43.45	1.26
479	1.05	23.1	36.2	14	25.1	1.09
480	1.07	19.76	62.96	35.88	49.42	2.50
481	1.073	27.26	32.2	16.6	24.4	0.90
482	1.074	26.9	61.1	33.4	47.25	1.76
483	1.1	-1.3	17.5	7.4	12.45	-9.58
484	1.1	18	38.5	8.5	23.5	1.31
485	1.1	33.56	38.7	22.1	30.4	0.91
486	1.148	28	52.2	44.1	48.15	1.72
487	1.174	33	61.6	27.8	44.7	1.35
488	1.2	32	43	28	35.5	1.11
489	1.2	32.2	18.2	11.5	14.85	0.46
490	1.23	32	50.5	29.5	40	1.25
491	1.23	32.7	64.5	39.3	51.9	1.59
492	1.25	28.7	20	12.6	16.3	0.57
493	1.3	25	49	20	34.5	1.38
494	1.411	37.4	43.2	20.7	31.95	0.85
495	1.481	28	43.7	38.7	41.2	1.47
496	1.489	54.1	74.6	40.3	57.45	1.06
497	1.5	39	45	33	39	1.00
498	1.5	40.3	74.6	54.1	64.35	1.60
499	1.5	45.85	63.3	33.4	48.35	1.05
500	1.524	29.5	50.5	32	41.25	1.40
501	1.611	34.3	43.3	34.3	38.8	1.13
502	1.7	24.8	15.1	0	7.55	0.30
503	1.8	38	27.3	17.5	22.4	0.59
504	1.83	31.1	42.9	36.5	39.7	1.28
505	1.867	38.5	44.5	33	38.75	1.01
506	1.868	39	46.9	32	39.45	1.01
507	1.9	0	28.8	15	21.9	—
508	2	53	93	44	68.5	1.29
509	2.09	90	82.9	12.3	47.6	0.53
510	2.132	44	63.9	50.8	57.35	1.30
511	2.142	36	52.6	40	46.3	1.29
512	2.216	47	31.4	16	23.7	0.50
513	2.306	56	49.3	46.5	47.9	0.86
514	2.335	52.4	47.7	26.7	37.2	0.71
515	2.43	34.9	69.51	59.89	64.7	1.85

附表 1 (续 12)

编号	埋深/km	s_v /MPa	s_H /MPa	s_h /MPa	s_d /MPa	λ
516	2.7	36.9	34.9	18.9	26.9	0.73
517	3.005	42.1	26	19.1	22.55	0.54
518	3.4	87.4	89.4	44.2	66.8	0.76
519	3.469	78.5	119.8	68	93.9	1.20
520	0.086	2.15	5.15	3.31	4.23	1.97
521	0.135	3.38	7.13	4.01	5.57	1.65
522	0.138	3.45	8.18	5.31	6.745	1.96
523	0.155	4.13	12.05	6.8	9.425	2.28
524	0.158	3.95	7.63	4.47	6.05	1.53
525	0.165	4.13	7.47	4.68	6.075	1.47
526	0.176	4.41	5.29	3.39	4.34	0.98
527	0.181	4.53	8.83	4.96	6.895	1.52
528	0.196	5.23	13.2	7.2	10.2	1.95
529	0.198	4.96	6.52	3.5	5.01	1.01
530	0.21	5.25	7.63	3.78	5.705	1.09
531	0.213	5.33	9.62	6.28	7.95	1.49
532	0.215	5.38	10.17	6.41	8.29	1.54
533	0.22	5.5	7.58	4.27	5.925	1.08
534	0.22	5.5	12.21	7.06	9.635	1.75
535	0.237	5.93	12.29	7.44	9.865	1.66
536	0.24	6	10.6	5.52	8.06	1.34
537	0.25	6.25	11.06	5.85	8.455	1.35
538	0.25	6.63	14.06	6.63	10.345	1.56
539	0.25	7.58	17.63	7.58	12.605	1.66
540	0.253	6.33	10.3	5.42	7.86	1.24
541	0.255	6.81	12.05	7.05	9.55	1.40
542	0.258	6.45	6.94	3.76	5.35	0.83
543	0.265	6.63	13.17	6.99	10.08	1.52
544	0.274	7.31	12.15	7.1	9.625	1.32
545	0.279	6.98	13.84	6.35	10.095	1.45
546	0.28	7	9.95	5.48	7.715	1.10
547	0.282	7.05	16.44	8.76	12.6	1.79
548	0.284	7.1	8.2	4.86	6.53	0.92
549	0.29	7.25	10.09	6.17	8.13	1.12
550	0.29	7.75	20.45	7.75	14.1	1.82
551	0.29	8.28	15.58	6.84	11.21	1.35
552	0.29	9.25	17.68	6.61	12.145	1.31
553	0.29	9.37	17.51	7.26	12.385	1.32
554	0.29	10.09	19.74	8.58	14.16	1.40
555	0.299	7.48	10.16	5.02	7.59	1.01
556	0.3	7.5	11.11	7.45	9.28	1.24
557	0.31	7.75	11.34	6.4	8.87	1.14
558	0.321	8.03	9.36	6	7.68	0.96

附表 1 (续 13)

编号	埋深/km	s_v /MPa	s_H /MPa	s_h /MPa	s_d /MPa	λ
559	0.322	8.05	9.85	5.36	7.605	0.94
560	0.323	8.08	8.94	5.9	7.42	0.92
561	0.325	8.13	12.52	6.7	9.61	1.18
562	0.33	8.25	10.17	6.41	8.29	1.00
563	0.332	8.87	13.17	8.05	10.61	1.20
564	0.339	11.1	23	8.1	15.55	1.40
565	0.359	8.98	14.85	8.41	11.63	1.30
566	0.365	9.13	15.02	7.73	11.375	1.25
567	0.37	10.68	21.32	8.2	14.76	1.38
568	0.37	12.69	23.43	10.13	16.78	1.32
569	0.373	9.33	13.57	6.96	10.265	1.10
570	0.384	9.6	11.49	6.62	9.055	0.94
571	0.391	10.45	14.65	9.15	11.9	1.14
572	0.394	9.85	12.84	6.28	9.56	0.97
573	0.395	14.2	15.3	7.9	11.6	0.82
574	0.398	6.6	16.4	5.3	10.85	1.64
575	0.41	10.73	25.77	10.18	17.975	1.68
576	0.41	11.51	25.55	8.64	17.095	1.49
577	0.414	10.36	9.19	4.9	7.045	0.68
578	0.42	11.23	16.21	9.58	12.895	1.15
579	0.429	10.73	13.71	8.95	11.33	1.06
580	0.43	2.7	9.8	1.6	5.7	2.11
581	0.432	10.81	13.59	6.95	10.27	0.95
582	0.439	10.99	13	6.74	9.87	0.90
583	0.448	11.2	12.91	6.48	9.695	0.87
584	0.45	11.25	15	8.3	11.65	1.04
585	0.45	11.8	18.2	6.9	12.55	1.06
586	0.455	7.3	15.3	3.8	9.55	1.31
587	0.46	6	13.6	1.4	7.5	1.25
588	0.467	11.68	12.78	7.24	10.01	0.86
589	0.468	11.7	13.15	7.1	10.125	0.87
590	0.471	12.6	16.8	10.07	13.435	1.07
591	0.472	11.9	15.6	8.6	12.1	1.02
592	0.475	8.3	11	6.8	8.9	1.07
593	0.477	11.93	16.7	9.45	13.075	1.10
594	0.482	12.05	14.45	7.74	11.095	0.92
595	0.488	12.21	13.01	7.41	10.21	0.84
596	0.495	10.5	14.2	6.5	10.35	0.99
597	0.495	12.38	11.75	6.31	9.03	0.73
598	0.495	12.38	13.98	7.51	10.745	0.87
599	0.496	11.9	24.2	9.5	16.85	1.42
600	0.505	12.63	14.83	8.12	11.475	0.91
601	0.51	12.75	14.06	7.15	10.605	0.83

附表1(续14)

编号	埋深/km	s_v /MPa	s_H /MPa	s_h /MPa	s_d /MPa	λ
602	0.51	14.49	24.55	14.49	19.52	1.35
603	0.51	15.68	24.64	15.02	19.83	1.26
604	0.54	13.5	13.21	7.24	10.225	0.76
605	0.555	14	25.71	13	19.355	1.38
606	0.556	14.87	12.8	9.3	11.05	0.74
607	0.556	12.9	17.9	10.4	14.15	1.10
608	0.57	15.54	32.53	13.21	22.87	1.47
609	0.571	17	22.3	8.9	15.6	0.92
610	0.575	11.7	18.1	5.3	11.7	1.00
611	0.589	14.73	16.94	10.84	13.89	0.94
612	0.59	13.5	18.9	9.9	14.4	1.07
613	0.6	12.3	18.7	11.2	14.95	1.22
614	0.6	16.54	28.88	14.77	21.825	1.32
615	0.6	16.94	30.17	16.94	23.555	1.39
616	0.616	14.9	20.1	5.8	12.95	0.87
617	0.64	17.13	18.6	11.9	15.25	0.89
618	0.645	19.56	29.57	15.48	22.525	1.15
619	0.667	13.7	23.5	13.2	18.35	1.34
620	0.67	17.93	17.3	11.4	14.35	0.80
621	0.685	15	21.9	8.2	15.05	1.00
622	0.69	19.08	31.5	17.54	24.52	1.29
623	0.69	20.84	29.77	19.63	24.7	1.19
624	0.697	18.65	22.5	14.64	18.57	1.00
625	0.737	19.72	17.67	11.96	14.815	0.75
626	0.75	19.93	33.22	17.1	25.16	1.26
627	0.756	20.23	22.55	13.05	17.8	0.88
628	0.775	20.74	19.85	13.35	16.6	0.80
629	0.79	18.15	16.83	9.46	13.145	0.72
630	0.79	19.75	32.39	16.56	24.475	1.24
631	0.79	20.94	32.39	16.56	24.475	1.17
632	0.79	28.5	16.83	14.9	15.865	0.56
633	0.791	21.17	21.1	13.8	17.45	0.82
634	0.81	22.8	25.9	18	21.95	0.96
635	0.81	22.9	26.6	21.6	24.1	1.05
636	0.81	23.3	25.9	18.1	22	0.94
637	0.81	23.9	26.7	23.3	25	1.05
638	0.812	28.33	17.31	16.33	16.82	0.59
639	0.92	27.72	50.17	24.89	37.53	1.35
640	0.92	27.72	53.13	25.51	39.32	1.42
641	0.92	30.12	55.88	28.41	42.145	1.40
642	0.954	19.1	27.7	15.5	21.6	1.13
643	0.961	25.47	20.06	10.12	15.09	0.59
644	0.964	25.55	25.65	12.23	18.94	0.74

附表1(续15)

编号	埋深/km	s_v /MPa	s_H /MPa	s_h /MPa	s_d /MPa	λ
645	0.967	25.63	21.42	10.87	16.145	0.63
646	0.97	28.52	57.22	28.52	42.87	1.50
647	0.97	30.24	57.92	26.96	42.44	1.40
648	0.97	34.52	60.26	27.93	44.095	1.28
649	1.04	27.66	31.35	16.2	23.775	0.86
650	1.071	26.78	39.77	20.6	30.185	1.13
651	1.071	28.38	39.77	20.64	30.205	1.06
652	1.13	29.95	33.15	19.1	26.125	0.87
653	1.15	28.75	34.6	17.89	26.245	0.91
654	1.15	30.48	34.6	17.89	26.245	0.86
655	1.22	32.33	42.1	22.8	32.45	1.00
656	1.228	30.8	48	29.5	38.75	1.26
657	1.256	25.1	29.6	20.6	25.1	1.00
658	1.371	27.4	37.6	24.7	31.15	1.14
659	1.375	27.5	34.8	22.8	28.8	1.05
660	1.381	27.6	35.5	23.8	29.65	1.07
661	1.47	29.4	36.5	24.7	30.6	1.04
662	1.5	30	44	25	34.5	1.15
663	1.545	30.9	41.8	21.5	31.65	1.02
664	1.549	31	34.7	23.5	29.1	0.94
665	1.621	32.4	36.6	25.2	30.9	0.95
666	1.745	34.9	37.4	27.5	32.45	0.93
667	1.822	36.4	44.6	29.2	36.9	1.01
668	2.172	45.6	58.3	34.8	46.55	1.02
669	2.236	47	61.4	40.4	50.9	1.08
670	2.394	50.3	68.3	42.9	55.6	1.11
671	2.792	58.6	72.2	47.9	60.05	1.02
672	2.805	70.2	56	42	49	0.70
673	2.94	61.7	69.8	46.4	58.1	0.94
674	3.211	67.4	95.5	59.1	77.3	1.15
675	3.349	70.3	91.9	61.5	76.7	1.09
676	3.488	73.3	90.3	62.9	76.6	1.05
677	3.543	74.4	89.4	66.4	77.9	1.05
678	3.66	91.5	90	67	78.5	0.86
679	3.846	80.8	94.3	69.5	81.9	1.01
680	3.849	80.8	100.2	68.5	84.35	1.04
681	3.958	83.1	100.8	70.6	85.7	1.03
682	3.984	83.7	104.3	71.8	88.05	1.05
683	5.108	127.8	135	95	115	0.90