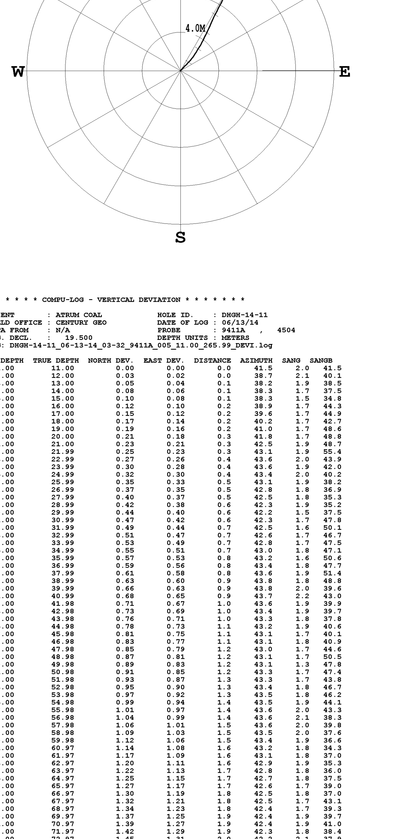
PLAN VIEW
COMPU-LOG DEVIATION

CLIENT: ATRUM COAL
LOCATION: GROUNDHOG
HOLE ID: DHGH-14-11
DATE OF LOG: 06/13/14
PROBE: 9411A 4504

MAG DECL: 19.5

SCALE: 2 M/CM
TRUE DEPTH: 265.80 M
AZIMUTH: 30.2
DISTANCE: 9.8 M
+ = 50 M INCR
○ = BOTTOM OF HOLE



* * * * * * * COMPU-LOG - VERTICAL DEVIATION * * * * * * *

CLIENT : ATRUM COAL
FIELD OFFICE : CENTURY GEO
DATA FROM : N/A
MAG. DECL. : 19.500
LOG: DHGH-14-11_06-13-14_03-32_9411A_005_11.00_265.99_DEVI.log

HOLE ID. : DHGH-14-11
DATE OF LOG : 06/13/14
PROBE : 9411A , 4504
DEPTH UNITS : METERS

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANUB
11.00	11.00	0.00	0.00	0.0	41.5	2.0	41.5
12.00	12.00	0.03	0.02	0.0	38.7	2.1	40.1
13.00	13.00	0.05	0.04	0.1	38.2	1.9	38.5
14.00	14.00	0.08	0.06	0.1	38.3	1.7	37.5
15.00	15.00	0.10	0.08	0.1	38.3	1.5	34.8
16.00	16.00	0.12	0.10	0.2	38.9	1.7	44.3
17.00	17.00	0.15	0.12	0.2	39.6	1.7	44.9
18.00	18.00	0.17	0.14	0.2	40.2	1.5	42.7
19.00	19.00	0.19	0.16	0.2	41.0	1.7	48.6
20.00	20.00	0.21	0.18	0.3	41.8	1.7	48.0
21.00	21.00	0.23	0.21	0.3	42.5	1.9	48.7
22.00	22.00	0.25	0.23	0.3	43.1	1.9	46.4
23.00	22.99	0.27	0.26	0.4	43.6	2.0	43.9
24.00	23.99	0.30	0.28	0.4	43.6	1.9	40.0
25.00	24.99	0.32	0.30	0.4	43.4	2.0	40.2
26.00	25.99	0.35	0.33	0.5	43.1	1.9	38.2
27.00	26.99	0.37	0.35	0.5	42.8	1.8	36.9
28.00	27.99	0.40	0.37	0.5	42.5	1.8	35.3
29.00	28.99	0.42	0.38	0.6	42.3	1.9	35.2
30.00	29.99	0.44	0.40	0.6	42.2	1.5	37.5
31.00	30.99	0.47	0.42	0.6	42.2	1.7	47.8
32.00	31.99	0.49	0.44	0.7	42.5	1.6	50.1
33.00	32.99	0.51	0.47	0.7	42.6	1.7	46.7
34.00	33.99	0.53	0.49	0.7	42.8	1.7	47.5
35.00	34.99	0.55	0.51	0.7	43.0	1.8	47.1
36.00	35.99	0.57	0.53	0.8	43.2	1.6	50.6
37.00	36.99	0.59	0.56	0.8	43.4	1.8	47.7
38.00	37.99	0.61	0.58	0.8	43.4	1.9	51.4
39.00	38.99	0.63	0.60	0.9	43.8	1.8	48.8
40.00	39.99	0.66	0.63	0.9	43.8	2.0	39.6
41.00	40.99	0.68	0.65	0.9	43.7	2.2	43.0
42.00	41.99	0.71	0.67	1.0	43.6	1.9	39.9
43.00	42.98	0.73	0.69	1.0	43.4	1.9	39.7
44.00	43.98	0.76	0.71	1.0	43.3	1.8	37.9
45.00	44.98	0.78	0.73	1.1	43.2	1.9	40.6
46.00	45.98	0.81	0.75	1.1	43.1	1.7	40.4
47.00	46.98	0.83	0.77	1.1	43.1	1.8	40.9
48.00	47.98	0.85	0.79	1.2	43.0	1.7	44.2
49.00	48.98	0.87	0.81	1.2	43.1	1.7	50.5
50.00	49.98	0.89	0.83	1.2	43.1	1.9	47.8
51.00	50.98	0.91	0.85	1.2	43.3	1.7	47.4
52.00	51.98	0.93	0.87	1.3	43.3	1.8	48.2
53.00	52.98	0.95	0.90	1.3	43.4	1.8	46.7
54.00	53.98	0.97	0.92	1.3	43.5	1.8	46.2
55.00	54.98	0.99	0.94	1.4	43.5	1.9	44.1
56.00	55.98	1.01	0.97	1.4	43.6	2.0	43.3
57.00	56.98	1.04	0.99	1.4	43.6	2.1	39.8
58.00	57.98	1.06	1.01	1.5	43.6	2.0	39.8
59.00	58.98	1.09	1.03	1.5	43.6	2.0	39.6
60.00	59.98	1.12	1.06	1.5	43.4	1.9	36.6
61.00	60.97	1.14	1.08	1.6	43.2	1.8	34.3
62.00	61.97	1.17	1.09	1.6	43.1	1.8	37.0
63.00	62.97	1.20	1.11	1.6	42.9	1.9	35.3
64.00	63.97	1.22	1.13	1.7	42.8	1.9	36.4
65.00	64.97	1.25	1.15	1.7	42.7	1.8	37.5
66.00	65.97	1.27	1.17	1.7	42.6	1.7	39.0
67.00	66.97	1.30	1.19	1.8	42.5	1.8	37.0
68.00	67.97	1.32	1.21	1.8	42.5	1.7	41.3
69.00	68.97	1.34	1.23	1.8	42.4	1.7	39.3
70.00	69.97	1.37	1.25	1.9	42.4	1.9	39.7
71.00	70.97	1.39	1.27	1.9	42.4	1.9	41.0
72.00	71.97	1.42	1.29	1.9	42.3	1.8	38.4
73.00	72.97	1.45	1.31	2.0	42.2	2.1	37.9
74.00	73.97	1.48	1.34	2.0	42.1	2.0	37.3
75.00	74.97	1.51	1.36	2.0	42.0	2.2	38.8
76.00	75.97	1.54	1.37	2.1	41.8	2.1	29.4
77.00	76.97	1.57	1.39	2.1	41.6	2.0	30.0
78.00	77.97	1.60	1.41	2.1	41.4	1.9	29.1
79.00	78.96	1.63	1.43	2.2	41.2	1.9	28.0
80.00	79.96	1.66	1.44	2.2	41.0	1.8	28.0
81.00	80.96	1.69	1.46	2.2	40.8	1.9	28.5
82.00	81.96	1.71	1.48	2.3	40.8	1.9	32.9
83.00	82.96	1.74	1.50	2.3	40.7	1.9	32.0
84.00	83.96	1.77	1.52	2.3	40.6	2.0	36.5
85.00	84.96	1.80	1.54	2.4	40.5	2.0	34.7
86.00	85.96	1.83	1.56	2.4	40.5	2.2	28.7
87.00	86.96	1.86	1.58	2.4	40.4	2.4	35.2
88.00	87.96	1.89	1.60	2.5	40.4	2.2	35.7
89.00	88.96	1.92	1.62	2.5	40.3	2.2	32.6
90.00	89.96	1.95	1.64	2.6	40.1	2.2	29.6
91.00	90.96	1.98	1.66	2.6	40.0	2.1	28.5
92.00	91.96	2.02	1.68	2.6	39.9	2.2	27.8
93.00	92.96	2.05	1.70	2.7	39.6	2.1	28.3
94.00	93.96	2.08	1.72	2.7	39.5	2.1	25.6
95.00	94.95	2.11	1.73	2.7	39.3	2.1	28.9
96.00	95.95	2.14	1.75	2.8	39.2	1.9	31.1
97.00	96.95	2.17	1.77	2.8	39.2	2.1	32.0
98.00	97.95	2.20	1.79	2.8	39.2	2.0	33.1
99.00	98.95	2.23	1.81	2.9	39.0	2.0	32.2
100.00	99.95	2.26	1.83	2.9	38.9	2.1	33.6
101.00	100.95	2.29	1.85	2.9	38.8	2.1	30.3
102.00	101.95	2.32	1.86	3.0	38.8	2.3	13.5
103.00	102.95	2.35	1.88	3.0	38.8	2.1	31.1
104.00	103.95	2.38	1.90	3.1	38.6	2.1	34.9
105.00	104.95	2.42	1.92	3.1	38.5	2.2	34.6
106.00	105.95	2.45	1.94	3.1	38.5	2.2	33.4
107.00	106.95	2.48	1.97	3.2	38.4	2.2	31.9
108.00	107.95	2.51	1.99	3.2	38.4	2.2	34.5
109.00	108.95	2.54	2.01	3.2	38.3	2.2	32.6
110.00	109.94	2.58	2.03	3.3	38.2	2.2	32.1
111.00	110.94	2.61	2.05	3.3	38.2	2.3	32.1
112.00	111.94	2.64	2.07	3.4	38.1	2.3	33.4
113.00	112.94	2.68	2.09	3.4	38.0	2.4	27.7
114.00	113.94	2.72	2.11	3.4	37.9	2.2	25.5
115.00	114.94	2.75	2.13	3.5	37.8	2.4	26.2
116.00	115.94	2.79	2.15	3.5	37.6	2.4	25.3
117.00	116.94	2.83	2.17	3.6	37.5	2.4	23.1
118.00	117.94	2.87	2.18	3.6	37.3	2.3	25.7
119.00	118.94	2.90	2.20	3.6	37.2	2.3	24.3
120.00	119.94	2.94	2.22	3.7	37.0	1.7	32.2
121.00	120.94	2.96	2.23	3.7	37.0	1.7	32.2
122.00	121.94	2.99	2.25	3.7	37.0	1.7	32.2
123.00	122.93	3.01	2.26	3.8	36.9	1.8	28.5
124.00	123.93	3.04	2.28	3.8	36.8	2.2	29.1
125.00	124.93	3.08	2.30	3.8	36.8	2.2	29.0
126.00	125.93	3.11	2.32	3.9	36.7	2.3	28.1
127.00	126.93	3.15	2.34	3.9	36.6	2.2	25.2
128.00	127.93	3.18	2.36	4.0	36.5	2.4	24.5
129.00	128.93	3.22	2.37	4.0	36.4	2.3	25.3
130.00	129.93	3.26	2.39	4.0	36.3	2.5	25.3
131.00	130.93	3.29	2.40	4.1	36.2	2.1	18.6
132.00	131.93	3.33	2.42	4.1	36.0	2.1	24.0
133.00	132.93	3.36	2.43	4.1	35.9	2.0	23.1
134.00	133.93	3.40	2.45	4.2	35.8	2.1	21.7
135.00	134.93	3.42	2.46	4.2	35.7	1.5	37.4
136.00	135.93	3.46	2.48	4.3	35.6	2.2	24.0
137.00	136.92	3.49	2.49	4.3	35.5	2.1	25.7
138.00	137.92	3.52	2.51	4.3	35.5	2.1	27.4
139.00	138.92	3.56	2.53	4.4	35.4	2.1	27.7
140.00	139.92	3.59	2.55	4.4	35.4	2.2	27.0
141.00	140.92	3.62	2.56	4.4	35.3	2.2	27.0
142.00	141.92	3.66	2.58	4.5	35.2	2.2	26.5
143.00	142.92	3.69	2.60	4.5	35.2	2.3	29.0
144.00	143.92	3.72	2.62	4.6	35.1	2.2	29.3
145.00	144.92	3.76	2.64	4.6	35.0	2.4	26.2
146.00	145.92	3.79	2.66	4.6	35.0	2.3	29.5
147.00	146.92	3.83	2.68	4.7	34.9	2.4	28.8
148.00	147.92	3.87	2.70	4.7	34.9	2.4	27.7
149.00	148.92	3.91	2.71	4.8	34.8	2.5	24.1
150.00	149.91	3.94	2.73	4.8	34.7	2.4	25.6
151.00	150.91	3.98	2.75	4.8	34.6	2.8	15.4
152.00	151.91	4.02	2.76	4.9	34.5	2.4	23.7
153.00	152.91	4.06	2.78	4.9	34.4	2.4	25.5
154.00	153.91	4.09	2.80	5.0	34.3	2.3	23.1
155.00	154.91	4.13	2.81	5.0	34.2	2.4	25.3
156.00	155.91	4.17	2.83	5.0	34.2	2.4	24.0
157.00	156.91	4.20	2.84	5.1	34.1	2.2	25.3
158.00	157.91	4.23	2.86	5.1	34.0	2.3	26.7
159.00	158.91	4.26	2.88	5.1	34.0	2.2	27.2
160.00	159.91	4.30	2.89	5.2	33.9	1.9	1.5
161.00	160.91	4.33	2.91	5.2	33.9	2.2	24.3
162.00	161.91	4.37	2.92	5.2	33.8	2.2	25.1
163.00	162.90	4.40	2.94	5.3	33.7	2.3	25.7
164.00	163.90	4.44	2.96	5.3	33.7	2.2	26.1
165.00	164.90	4.47	2.98	5.4	33.6	2.4	26.0
166.00	165.90	4.51	2.99	5.4	33.6	2.4	26.2
167.00	166.90	4.55	3.01	5.5	33.5	2.6	24.4
168.00	167.90	4.59	3.03	5.5	33.5	2.6	24.9
169.00	168.90	4.63	3.05	5.5	33.4	2.5	23.7
170.00	169.90	4.67	3.07	5.6	33.3	2.5	21.3
171.00	170.90	4.71	3.08	5.6	33.2	2.6	24.3
172.00	171.90	4.75	3.10	5.7	33.2	2.5	25.7
173.00	172.90	4.79	3.12	5.7	33.1	2.5	22.2
174.00	173.89	4.83	3.13	5.8	33.0	2.5	22.3
175.00	174.89	4.87	3.15	5.8	32.9	2.4	22.2
176.00	175.89	4.91	3.17	5.8	32.8	2.4	22.5
177.00	176.89	4.94	3.18	5.9	32.8	2.4	23.4
178.00	177.89	4.98	3.20	5.9	32.7	2.4	23.7
179.00	178.89	5.02	3.21	6.0	32.6	2.4	24.0
180.00	179.89	5.06	3.23	6.0	32.5	2.4	23.3
181.00	180.89	5.10	3.25	6.0	32.5	2.4	23.6
182.00	181.89	5.14	3.27	6.1	32.4	2.4	23.0
183.00	182.89	5.17	3.28	6.1	32.4	2.4	25.2
184.00	183.89	5.21	3.30	6.2	32.3	2.3	24.1
185.00	184.88	5.25	3.32	6.2	32.3	2.6	24.5
186.00	185.88	5.29	3.34	6.3	32.2	2.5	25.3
187.00	186.88	5.33	3.35	6.3	32.2	2.5	24.7
188.00	187.88	5.37	3.37	6.3	32.1	2.5	24.0
189.00	188.88	5.41	3.39	6.4	32.1	2.5	24.0
190.00	189.88	5.45	3.41	6.4	32.0	2.5	25.1
191.00	190.88	5.49	3.43	6.5	32.0	2.5	24.7
192.00	191.88	5.53	3.44	6.5	31.9	2.3	359.5
193.00	192.88	5.57	3.46	6.6	31.9	2.5	25.5
194.00	193.88	5.61	3.48	6.6	31.8	2.4	23.2
195.00	194.88	5.65	3.50	6.6	31.8	2.4	24.2
196.00	195.87	5.68	3.51	6.7	31.7	2.3	26.8
197.00	196.87	5.72	3.53	6.7	31.7	2.3	27.8
198.00	197.87	5.75	3.55	6.8	31.7	2.3	27.7
199.00	198.87	5.79	3.57	6.8	31.6	2.3	28.3
200.00	199.87	5.83	3.59	6.8	31.6	2.3	26.3
201.00	200.87	5.86	3.61	6.9	31.6	2.4	29.3
202.00	201.87	5.90	3.63	6.9	31.6	2.3	29.4
203.00	202.87	5.93	3.65	7.0	31.6	2.5	29.0
204.00	203.87	5.97	3.67	7.0	31.6	2.5	28.2
205.00	204.87	6.01	3.69	7.1	31.6	2.4	28.4
206.00	205.87	6.05	3.71	7.1	31.6	2.5	30.1
207.00	206.86	6.09	3.73	7.1	31.5	2.5	28.2
208.00	207.86	6.12	3.76	7.2	31.5	2.6	29.0
209.00	208.86	6.16	3.78	7.2	31.5	2.6	27.2
210.00	209.86	6.20	3.80	7.3	31.5	2.6	26.2
211.00	210.86	6.25	3.82	7.3	31.4	2.6	25.5
212.00	211.86	6.29	3.84	7.4	31.4	2.6	25.7
213.00	212.86	6.33	3.85	7.4	31.4	2.6	25.4
214.00	213.86	6.37	3.87	7.5	31.3	2.5	25.8
215.00	214.86	6.41	3.89	7.5	31.3	2.5	24.4
216.00	215.86	6.45	3.91	7.5	31.2	2.5	23.1
217.00	216.85	6.49	3.93	7.6	31.2	2.4	24.6
218.00	217.85	6.52	3.94	7.6	31.1	2.4	25.3
219.00	218.85	6.56	3.96	7.7	31.1	2.4	27.1
220.00	219.85	6.60	3.98	7.7	31.1	2.3	30.6
221.00	220.85	6.63	4.00	7.7	31.1	2.3	29.2
222.00	221.85	6.67	4.02	7.8	31.1	2.4	29.0
223.00	222.85	6.70	4.04	7.8	31.1	2.4	29.1
224.00	223.85	6.74	4.06	7.9	31.1	2.4	27.4
225.00	224.85	6.78	4.08	7.9	31.1	2.4	30.1
226.00	225.85	6.82	4.11	8.0	31.1	2.5	28.5
227.00	226.85	6.85	4.13	8.0	31.1	2.6	29.0
228.00	227.85	6.89	4.15	8.0	31.0	2.6	30.1
229.00	228.84	6.93	4.17	8.1	31.0	2.6	28.5
230.00	229.84	6.97	4.19	8.1	31.0	2.6	28.2
231.00	230.84	7.01	4.21	8.2	31.0	2.6	27.3
232.00	231.84	7.05	4.23	8.2	31.0	2.6	27.2
233.00	232.84	7.09	4.26	8.3	31.0	2.6	25.8
234.00	233.84	7.13	4.28	8.3	30.9	2.6	27.6
235.00	234.84	7.17	4.29	8.4	30.9	2.6	24.3
236.00	235.84	7.22	4.31	8.4	30.9	2.6	23.7
237.00	236.84	7.26	4.33	8.5	30.8	2.6	20.7
238.00	237.83	7.30	4.35	8.5	30.8	2.6	20.8
239.00	238.83	7.34	4.37	8.6	30.8	2.6	24.3
240.00	239.83	7.38	4.39	8.6	30.7	2.6	23.4
241.00	240.83	7.42	4.41	8.6	30.7	2.6	24.1
242.00	241.83	7.47	4.43	8.7	30.7	2.6	23.5
243.00	242.83	7.51	4.45	8.7	30.6	2.6	24.6
244.00	243.83	7.55	4.46	8.8	30.6	2.7	23.0
245.00	244.83	7.59	4.48	8.8	30.6	2.6	24.1
246.00	245.83	7.63	4.50	8.9	30.5	2.6	24.7
247.00	246.83	7.67	4.52	8.9	30.5	2.6	25.0
248.00	247.82	7.71	4.54	9.0	30.5	2.6	25.0
249.00	248.82	7.75	4.56	9.0	30.5	2.6	25.0
250.00	249.82	7.79	4.58	9.0	30.5	2.6	25.3
251.00	250.82	7.83	4.60	9.1	30.4	2.6	25.6
252.00	251.82	7.87	4.62	9.1	30.4	2.7	26.0
253.00	252.82	7.91	4.64	9.2	30.4	2.6	24.2
254.00	253.82	7.95	4.66	9.2	30.3	2.5	26.6
255.00	254.82	7.99	4.68	9.3	30.3	2.5	28.4
256.00	255.82	8.03	4.70	9.3	30.3	2.5	29.2
257.00	256.82	8.07	4.72	9.4	30.3	2.7	27.5
258.00	257.81	8.11	4.74	9.4	30.3	2.6	29.2
259.00	258.81	8.15	4.76	9.4	30.3	2.5	30.1
260.00	259.81	8.19	4.78	9.5	30.3	2.5	29.0
261.00	260.81	8.23	4.80	9.5	30.3	2.6	29.7
262.00	261.81	8.27	4.82	9.6	30.3	2.6	29.1
263.00	262.81	8.31	4.85	9.6	30.2	2.6	29.9
264.00	263.81	8.35	4.87	9.7	30.2	2.6	29.1
265.00	264.81	8.39	4.89	9.7	30.2	2.7	31.1
265.99	265.79	8.43	4.91	9.8	30.2	2.6	30.8