

**LITHOLOG OF BHATURA BLOCK, DISTRICT: MAIHAR AND KATNI,  
MADHYA PRADESH**



**BOREHOLE NO :PBH-01**

**Block Name:**Bhatura Block (G3)

**Location**

**Northing (m)** 467013.20

**Easting (m)** 2663523.90

**Reduced Level (m)** 396.2

Date of commencement: 19.05.2024

Date of Closure: 21.05.2024

Borehole Azimuth: Vertical

Borehole angle: 90 Degrees

Depth:40.00 m

Run (m)			Recovery	Recovery %	Lithounit Legth (m)	Lithology	Efferevence Test	Assay Values								
From	To	Thick						CaO %	MgO %	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Fe <sub>2</sub> O <sub>3</sub> %	SO <sub>3</sub> %	P <sub>2</sub> O <sub>5</sub> %	K <sub>2</sub> O %	LOI %
0	5.00	5.00	-	-	5	Soil	No Acid Test Done	-	-	-	-	-	-	-	-	-
5.00	9.00	4.00	1.07	26.75	4.00	Weathered Material	No Acid Test Done	-	-	-	-	-	-	-	-	-
9.00	10.00	1.00	1.00	100.00	1.00	Calcareous Shale	High Effervescence	30.41	9.96	4.02	20.83	1.42	0.043	0.03	0.69	32.02
10.00	11.00	1.00	1.00	100.00	1.00	Calcareous Shale	High Effervescence	28.88	10.45	4.10	22.64	1.36	0.027	0.03	0.62	31.61
11.00	12.00	1.00	1.00	100.00	1.00	Calcareous Shale	Mild Effervescence	26.71	11.08	4.32	25.32	1.51	0.057	0.03	0.66	30.01
12.00	13.00	1.00	1.00	100.00	1.00	Calcareous Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
13.00	14.00	1.00	1.00	100.00	1.00	Calcareous Shale	High Effervescence	33.37	8.44	2.93	19.27	0.99	0.133	0.03	0.39	33.38
14.00	15.00	1.00	1.00	100.00	1.00	Calcareous Shale	High Effervescence	37.5	7.14	3.43	15.94	1.12	0.15	0.03	0.71	33.73
15.00	16.00	1.00	0.80	80.00	1.00	Calcareous Shale	High Effervescence	38.99	6	3.06	14.68	1.1	0.115	0.02	0.65	35.21
16.00	17.00	1.00	1.00	100.00	1.00	Calcareous Shale	High Effervescence	35.67	7.49	3.6	17.15	1.17	0.145	0.02	0.74	33.73
17.00	18.00	1.00	1.00	100.00	1.00	Calcareous Shale	High Effervescence	35.42	7.93	3.45	16.63	1.23	0.095	0.03	0.53	33.6
18.00	19.00	1.00	0.95	95.00	1.00	Calcareous Shale	High Effervescence	30.75	10.15	3.38	20.41	1.24	0.089	0.03	0.63	32.33
19.00	20.00	1.00	1.00	100.00	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
20.00	21.00	1.00	1.00	100.00	1.00	Calcareous Shale	Mild Effervescence	26.48	10.45	3.62	26.86	1.37	0.091	0.02	0.48	29.50
21.00	22.00	1.00	1.00	100.00	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
22.00	23.00	1.00	1.00	100.00	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
23.00	24.00	1.00	0.40	40.00	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
24.00	25.00	1.00	0.55	55.00	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
25.00	26.00	1.00	1.00	100.00	1.00	Calcareous Shale	High Effervescence	30.10	10.13	4.02	21.73	1.55	0.147	0.02	0.63	31.23
26.00	27.00	1.00	0.75	75.00	1.00	Calcareous Shale	High Effervescence	33.84	9.06	3.99	17.63	1.44	0.146	0.04	0.72	32.74
27.00	28.00	1.00	0.90	90.00	1.00	Calcareous Shale	High Effervescence	31.54	9.35	4.06	19.69	1.34	0.185	0.03	0.86	31.82
28.00	29.00	1.00	1.00	100.00	1.00	Calcareous Shale	Mild Effervescence	27.73	10.66	4.80	22.07	1.56	0.177	0.02	1.00	30.73
29.00	30.00	1.00	1.00	100.00	1.00	Calcareous Shale	High Effervescence	30.09	9.86	4.09	21.06	1.39	0.128	0.02	0.69	31.35

30.00	31.00	1.00	1.00	100.00	1.00	Calcareous Shale	Mild Effervescence	25.38	11.36	4.49	25.16	1.62	0.166	0.03	0.97	29.53
31.00	32.00	1.00	1.00	100.00	1.00	Calcareous Shale	High Effervescence	32.62	9.15	3.23	20.72	1.15	0.095	0.02	0.62	31.95
32.00	33.00	1.00	0.85	85.00	1.00	Calcareous Shale	High Effervescence	30.94	9.99	3.52	19.29	1.23	0.121	0.02	0.67	32.94
33.00	34.00	1.00	1.00	100.00	1.00	Calcareous Shale	Mild Effervescence	29.65	10.47	4.08	20.11	1.47	0.119	0.03	0.81	31.99
34.00	35.00	1.00	1.00	100.00	1.00	Calcareous Shale	High Effervescence	33.25	9.07	3.69	17.77	1.25	0.121	0.02	0.65	33.19
35.00	36.00	1.00	1.00	100.00	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
36.00	37.00	1.00	1.00	100.00	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
37.00	38.00	1.00	1.00	100.00	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
38.00	39.00	1.00	1.00	100.00	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
39.00	40.00	1.00	1.00	100.00	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
~~~ Borehole Closed at 40.00 meters~~~																

### **BOREHOLE NO :PBH-02**

**Block Name:**Bhatura Block (G3)

**Location**

**Northing (m)**

**Easting (m)**

**Reduced Level (m)**

Date of commencement: 16.05.2024

Date of Closure: 18.05.2024

Borehole Azimuth: Vertical

Borehole angle: 90 Degrees

Depth:40.00 m

Run (m)			Recovery	Recovery %	Lithounit Legth (m)	Lithology	Efferevence Test	Assay Values								
From	To	Thick						CaO %	MgO %	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Fe <sub>2</sub> O <sub>3</sub> %	SO <sub>3</sub> %	P <sub>2</sub> O <sub>5</sub> %	K <sub>2</sub> O %	LOI %
0	3.50	3.50	-	-	5	Soil	No Acid Test Done	-	-	-	-	-	-	-	-	-
3.50	6.00	2.50	0.95	37.93	2.50	Weathered Material	No Acid Test Done	-	-	-	-	-	-	-	-	-
6.00	9.00	3.00	3.00	100	3.00	Clay	No Acid Test Done	-	-	-	-	-	-	-	-	-
9.00	12.00	3.00	1.60	53.44	3.00	Weathered Material	No Acid Test Done	-	-	-	-	-	-	-	-	-
12.00	13.00	1.00	0.63	62.5	1.00	Calcareous Shale	High Effervescence	32.30	6.67	3.79	23.10	1.20	0.006	0.03	0.46	31.34
13.00	14.00	1.00	0.85	85	1.00	Calcareous Shale	High Effervescence	29.96	8.73	3.09	23.50	1.22	0.018	0.02	0.40	32.17
14.00	15.00	1.00	0.88	88	1.00	Calcareous Shale	Mild Effervescence	25.70	10.83	4.28	26.06	1.42	0.007	0.03	0.58	29.84
15.00	16.00	1.00	0.92	92	1.00	Calcareous Shale	Mild Effervescence	21.88	12.66	5.38	28.53	1.89	0.031	0.05	0.76	27.82
16.00	17.00	1.00	0.95	95	1.00	Calcareous Shale	Mild Effervescence	25.56	11.96	3.56	24.61	1.38	0.028	0.02	0.54	31.35
17.00	18.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	23.78	13.13	4.06	24.60	1.53	0.045	0.04	0.60	30.50
18.00	19.00	1.00	0.98	98	1.00	Calcareous Shale	Mild Effervescence	23.90	12.93	5.25	25.68	1.64	0.042	0.04	0.71	29.43

19.00	20.00	1.00	0.96	96	1.00	Calcareous Shale	Mild Effervescence	22.83	12.43	5.58	26.12	1.82	0.037	0.06	0.84	29.01
20.00	21.00	1.00	1.00	100	1.00	Calcareous Shale	High Effervescence	33.33	8.87	3.14	17.99	1.11	0.038	0.02	0.51	34.05
21.00	22.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	26.99	11.61	3.97	22.98	1.44	0.047	0.02	0.55	31.55
22.00	23.00	1.00	1.00	100	1.00	Calcareous Shale	High Effervescence	29.07	11.01	3.34	21.39	1.34	0.082	0.03	0.58	32.90
23.00	24.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	25.48	12.50	4.26	23.97	1.52	0.105	0.04	0.77	31.09
24.00	25.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	25.16	11.91	4.77	23.87	1.75	0.085	0.02	0.79	30.39
25.00	26.00	1.00	1.00	100	1.00	Calcareous Shale	High Effervescence	30.77	9.53	3.84	21.23	1.39	0.159	0.04	0.58	31.35
26.00	27.00	1.00	1.00	100	1.00	Calcareous Shale	High Effervescence	28.64	9.85	3.22	24.17	1.38	0.086	0.01	0.51	31.27
27.00	28.00	1.00	0.95	95	1.00	Calcareous Shale	Mild Effervescence	26.34	12.02	2.84	23.72	1.28	0.101	0.02	0.34	32.28
28.00	29.00	1.00	1.00	100	1.00	Calcareous Shale	High Effervescence	29.21	10.62	3.61	20.87	1.38	0.125	0.03	0.57	32.54
29.00	30.00	1.00	0.94	94	1.00	Calcareous Shale	High Effervescence	30.28	10.01	3.38	20.77	1.20	0.155	0.02	0.62	32.61
30.00	31.00	1.00	0.98	98	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
31.00	32.00	1.00	1.00	100	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
32.00	33.00	1.00	0.95	95	1.00	Calcareous Shale	Mild Effervescence	28.97	10.86	3.04	21.53	1.24	0.117	0.02	0.49	32.65
33.00	34.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	26.98	11.21	3.94	23.73	1.45	0.141	0.03	0.67	30.72
34.00	35.00	1.00	0.98	98	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
35.00	36.00	1.00	0.99	99	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
36.00	37.00	1.00	0.93	93	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
37.00	38.00	1.00	1.00	100	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
38.00	39.00	1.00	1.00	100	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
39.00	40.00	1.00	0.97	97	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
~~~ Borehole Closed at 40.00 meters~~~																

### **BOREHOLE NO :PBH-03**

**Block Name:**Bhatura Block (G3)

**Location**

**Northing (m)** 466831.10

**Easting (m)** 2663112.60

**Reduced Level (m)** 394

Date of commencement: 29.05.2024

Date of Closure: 30.05.2024

Borehole Azimuth: Vertical

Borehole angle: 90 Degrees

Depth:30.00 m

Run (m)			Recovery	Recovery %	Lithounit Legth (m)	Lithology	Efferevence Test	Assay Values								
From	To	Thick						CaO %	MgO %	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Fe <sub>2</sub> O <sub>3</sub> %	SO <sub>3</sub> %	P <sub>2</sub> O <sub>5</sub> %	K <sub>2</sub> O %	LOI %
0	4.00	4.00		-	5	Soil	No Acid Test Done	-	-	-	-	-	-	-	-	-
4.00	8.00	4.00	2.00	50	4.00	Weathered Material	No Acid Test Done	-	-	-	-	-	-	-	-	-
8.00	9.00	1.00	0.65	65	1.00	Calcareous Shale	High Effervescence	39.52	4.92	3.12	15.58	0.99	0.005	0.01	0.48	35.09
9.00	10.00	1.00	0.92	91.67	1.00	Calcareous Shale	High Effervescence	37.25	6.01	2.98	17.47	1.02	0.014	0.02	0.33	33.89

10.00	11.00	1.00	0.70	70	1.00	Calcareous Shale	Mild Effervescence	23.67	12.78	4.47	25.51	1.53	0.028	0.02	0.62	30.25
11.00	12.00	1.00	0.68	68	1.00	Calcareous Shale	Mild Effervescence	24.63	10.06	5.52	27.78	1.65	0.03	0.03	0.88	27.88
12.00	13.00	1.00	0.95	95	1.00	Calcareous Shale	Mild Effervescence	27.18	9.71	4.15	25.65	1.29	0.018	0.02	0.57	30.38
13.00	14.00	1.00	0.88	88	1.00	Calcareous Shale	High Effervescence	29.95	9.83	3.98	22.42	1.37	0.069	0.04	0.61	31.43
14.00	15.00	1.00	0.92	92	1.00	Calcareous Shale	High Effervescence	34.58	8.03	3.49	18.47	1.20	0.006	0.02	0.46	33.35
15.00	16.00	1.00	0.95	95	1.00	Calcareous Shale	Mild Effervescence	23.70	11.60	4.98	27.42	1.94	0.064	0.02	0.83	28.42
16.00	17.00	1.00	0.95	95	1.00	Calcareous Shale	Mild Effervescence	22.15	12.16	6.07	28.13	1.98	0.087	0.05	1.05	27.22
17.00	18.00	1.00	0.87	87	1.00	Calcareous Shale	Mild Effervescence	31.15	9.21	3.59	21.37	1.29	0.027	0.03	0.54	32.02
18.00	19.00	1.00	1.00	100	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
19.00	20.00	1.00	0.98	98	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
20.00	21.00	1.00	1.00	100	1.00	Calcareous Shale	Low Effervescence	21.70	13.24	5.70	26.91	1.96	0.126	0.03	0.87	28.07
21.00	22.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	25.28	11.23	4.22	25.91	1.61	0.234	0.03	0.60	29.59
22.00	23.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	24.85	11.70	4.15	27.38	1.49	0.155	0.02	0.64	29.31
23.00	24.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	23.20	12.56	5.09	26.74	1.84	0.217	0.02	0.86	28.28
24.00	25.00	1.00	0.98	98	1.00	Calcareous Shale	Mild Effervescence	25.65	11.56	5.03	24.73	1.70	0.185	0.04	0.85	29.16
25.00	26.00	1.00	0.95	95	1.00	Calcareous Shale	Mild Effervescence	22.18	12.92	5.71	27.30	1.96	0.186	0.03	0.99	27.61
26.00	27.00	1.00	0.98	98	1.00	Calcareous Shale	Mild Effervescence	25.00	11.50	5.18	25.19	1.84	0.189	0.02	0.80	28.98
27.00	28.00	1.00	0.98	98	1.00	Calcareous Shale	Mild Effervescence	23.40	12.18	4.96	27.00	1.78	0.187	0.05	0.78	28.24
28.00	29.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	24.92	12.07	3.34	26.37	1.37	0.061	0.02	0.42	30.44
29.00	30.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	24.07	12.14	4.52	26.02	1.62	0.076	0.03	0.63	29.78
~~~ Borehole Closed at 30.00 meters~~~																

### **BOREHOLE NO :PBH-04**

**Block Name:**Bhatura Block (G3)

**Location**

**Northing (m)** 467463.20

**Easting (m)** 2663080.20

**Reduced Level (m)** 400.1

Date of commencement: 26.05.2024

Date of Closure: 28.05.2024

Borehole Azimuth: Vertical

Borehole angle: 90 Degrees

Depth:30.00 m

Run (m)			Recovery	Recovery %	Lithounit Legth (m)	Lithology	Efferevence Test	Assay Values								
From	To	Thick						CaO %	MgO %	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Fe <sub>2</sub> O <sub>3</sub> %	SO <sub>3</sub> %	P <sub>2</sub> O <sub>5</sub> %	K <sub>2</sub> O %	LOI %
0	5.00	5.00		-	5	Soil	No Acid Test Done	-	-	-	-	-	-	-	-	-
5.00	6.50	1.50	1.50	100	1.50	Clay	No Acid Test Done	-	-	-	-	-	-	-	-	-
6.50	10.00	3.50	2.00	57.14	3.50	Weathered Material	No Acid Test Done	-	-	-	-	-	-	-	-	-
10.00	11.00	1.00	0.81	81	1.00	Calcareous Shale	High Effervescence	31.29	9.49	3.39	20.83	1.24	0.017	0.02	0.38	33.08
11.00	12.00	1.00	0.78	78	1.00	Calcareous Shale	High Effervescence	40.43	4.64	2.46	15.35	0.86	0.005	0.03	0.21	35.85

12.00	13.00	1.00	0.75	75	1.00	Calcareous Shale	High Effervescence	37.61	5.65	3.43	15.86	1.14	0.013	0.03	0.38	34.68
13.00	14.00	1.00	0.80	80	1.00	Calcareous Shale	High Effervescence	37.79	5.39	4.02	17.28	1.31	0.005	0.05	0.61	33.14
14.00	15.00	1.00	0.70	70	1.00	Calcareous Shale	High Effervescence	41.56	3.45	2.03	14.93	0.68	0.006	0.02	0.26	36.34
15.00	16.00	1.00	0.90	90	1.00	Calcareous Shale	High Effervescence	32.34	9.07	2.89	19.84	1.10	0.031	0.02	0.50	33.98
16.00	17.00	1.00	0.98	98	1.00	Calcareous Shale	High Effervescence	31.12	9.75	3.50	18.99	1.25	0.011	0.03	0.60	33.72
17.00	18.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	24.93	12.45	4.60	23.45	1.67	0.041	0.04	0.76	30.85
18.00	19.00	1.00	0.98	98	1.00	Calcareous Shale	High Effervescence	29.41	10.32	4.31	20.19	1.34	0.016	0.03	0.73	32.67
19.00	20.00	1.00	1.00	100	1.00	Calcareous Shale	High Effervescence	30.94	9.49	3.69	19.09	1.17	0.025	0.03	0.64	33.96
20.00	21.00	1.00	1.00	100	1.00	Calcareous Shale	High Effervescence	33.09	8.88	3.12	17.82	1.14	0.008	0.03	0.67	34.17
21.00	22.00	1.00	1.00	100	1.00	Calcareous Shale	High Effervescence	33.86	9.03	3.07	16.68	1.07	0.046	0.03	0.71	35.34
22.00	23.00	1.00	0.97	97	1.00	Calcareous Shale	High Effervescence	32.76	8.80	3.51	18.42	1.16	0.084	0.02	0.65	33.71
23.00	24.00	1.00	0.95	95	1.00	Calcareous Shale	High Effervescence	29.38	10.25	4.58	21.46	1.47	0.183	0.03	0.92	31.38
24.00	25.00	1.00	0.97	97	1.00	Calcareous Shale	Mild Effervescence	25.71	11.01	5.18	24.09	1.70	0.15	0.06	0.89	29.95
25.00	26.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	26.55	11.12	4.55	23.89	1.61	0.146	0.03	0.82	30.18
26.00	27.00	1.00	0.93	93	1.00	Calcareous Shale	High Effervescence	28.63	10.71	3.55	21.95	1.44	0.128	0.03	0.68	31.84
27.00	28.00	1.00	1.00	100	1.00	Calcareous Shale	High Effervescence	27.96	9.84	4.13	24.17	1.41	0.145	0.03	0.66	30.65
28.00	29.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	22.90	11.96	5.01	27.05	1.66	0.145	0.04	0.92	28.95
29.00	30.00	1.00	0.86	86	1.00	Calcareous Shale	High Effervescence	32.90	8.85	3.73	18.07	1.18	0.082	0.03	0.72	33.40
~~~ Borehole Closed at 30.00 meters~~~																

### **BOREHOLE NO :PBH-05**

**Block Name:**Bhatura Block (G3)

**Location**

**Northing (m)**      466487.30

**Easting (m)**        2662678.80

**Reduced Level (m)**    388.8

Date of commencement: 24.05.2024

Date of Closure: 25.05.2024

Borehole Azimuth: Vertical

Borehole angle: 90 Degrees

Depth:30.00 m

Run (m)			Recovery	Recovery %	Lithounit Legth (m)	Lithology	Efferevence Test	Assay Values								
From	To	Thick						CaO %	MgO %	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Fe <sub>2</sub> O <sub>3</sub> %	SO <sub>3</sub> %	P <sub>2</sub> O <sub>5</sub> %	K <sub>2</sub> O %	LOI %
0	3.50	3.50		-	5	Soil	No Acid Test Done	-	-	-	-	-	-	-	-	-
3.50	4.00	0.50	0.24	48.44	0.50	Weathered Material	No Acid Test Done	-	-	-	-	-	-	-	-	-
4.00	5.00	1.00	0.48	48.44	1.00	Weathered Material	No Acid Test Done	-	-	-	-	-	-	-	-	-
5.00	6.00	1.00	0.70	70	1.00	Calcareous Shale	Mild Effervescence	24.43	10.60	4.14	29.26	1.56	0.021	0.03	0.55	28.42
6.00	7.00	1.00	0.65	65	1.00	Calcareous Shale	Mild Effervescence	24.39	11.24	4.50	27.67	1.54	0.029	0.03	0.49	29.02
7.00	8.00	1.00	0.58	58	1.00	Calcareous Shale	High Effervescence	28.26	10.26	3.56	23.63	1.36	0.03	0.02	0.44	31.33
8.00	9.00	1.00	0.65	65	1.00	Calcareous Shale	Mild Effervescence	24.26	11.14	3.44	28.88	1.40	0.037	0.01	0.43	29.37

9.00	10.00	1.00	0.70	70	1.00	Calcareous Shale	Mild Effervescence	26.54	9.80	3.44	28.27	1.20	0.103	0.02	0.37	29.39
10.00	11.00	1.00	0.75	75	1.00	Calcareous Shale	Mild Effervescence	25.77	11.08	3.96	27.13	1.43	0.131	0.04	0.39	29.12
11.00	12.00	1.00	0.80	80	1.00	Calcareous Shale	Mild Effervescence	24.20	12.27	4.36	26.63	1.55	0.127	0.04	0.57	29.10
12.00	13.00	1.00	0.95	95	1.00	Calcareous Shale	Mild Effervescence	23.97	11.33	4.03	29.11	1.51	0.143	0.04	0.55	28.40
13.00	14.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	16.64	14.05	6.30	34.28	2.14	0.215	0.04	0.93	23.74
14.00	15.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	17.92	13.45	6.15	32.29	2.18	0.211	0.05	0.91	25.24
15.00	16.00	1.00	0.98	98	1.00	Calcareous Shale	Mild Effervescence	21.49	12.43	5.18	30.35	1.82	0.188	0.02	0.75	26.58
16.00	17.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	21.95	12.21	5.22	29.00	1.88	0.222	0.03	0.80	27.11
17.00	18.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	20.99	12.96	5.35	29.69	1.94	0.162	0.02	0.78	26.71
18.00	19.00	1.00	0.90	90	1.00	Calcareous Shale	Mild Effervescence	22.45	12.41	4.91	28.42	1.91	0.161	0.02	0.70	27.50
19.00	20.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	25.90	10.96	4.40	24.96	1.69	0.186	0.03	0.75	30.73
20.00	21.00	1.00	1.00	100	1.00	Calcareous Shale	Mild Effervescence	27.22	11.05	4.42	22.72	1.66	0.143	0.03	0.79	30.56
21.00	22.00	1.00	0.95	95	1.00	Calcareous Shale	Mild Effervescence	26.02	11.27	4.76	24.48	1.72	0.216	0.03	0.74	29.46
22.00	23.00	1.00	1.00	100	1.00	Calcareous Shale	High Effervescence	28.08	10.54	4.64	22.35	1.55	0.148	0.02	0.69	30.45
23.00	24.00	1.00	0.98	98	1.00	Calcareous Shale	Mild Effervescence	26.26	11.00	4.91	23.81	1.83	0.153	0.04	0.78	29.56
24.00	25.00	1.00	0.98	98	1.00	Calcareous Shale	Mild Effervescence	26.02	10.76	4.80	25.28	1.62	0.184	0.02	0.80	29.09
25.00	26.00	1.00	0.98	98	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
26.00	27.00	1.00	0.90	90	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
27.00	28.00	1.00	0.98	98	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
28.00	29.00	1.00	0.98	98	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
29.00	30.00	1.00	1.00	100	1.00	Shale	Low Effervescence	-	-	-	-	-	-	-	-	-
~~~ Borehole Closed at 30.00 meters~~~																