

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Sales & Service Dealer : Uptron Borehole logging system, UPTRON INDIA LTD., LUCKNOW

Ref:GIT:UP: PJM:23-24:LS:K- 288

Dated: 01-10-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Bargadwa
Block: Nautanwa
District: Maharajganj
State: Uttar Pradesh
Date of Logging: 01-10-2023
Drilling Depth: 254.0 mbgl
Logging Depth: 173.0 mbgl
Rm – 11.0 Ω m Rw – 13.0 Ω m

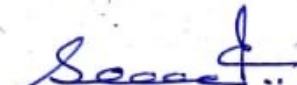
Borehole Drilled by: M/s Ritwik Koya (JV), Maharajganj, Uttar Pradesh.

Based on the interpretation of Self Potential (SP), Short Normal (N-16''), Long Normal (N-64'') and Lateral 6' Geophysical Logs, following informations/granular zones have been deciphered with respect to Salinity only:

Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	18 – 28	10	Good
2.	34 – 38	04	Good
3.	41 – 48	07	Good
4.	68 – 72	04	Good
5.	90 – 94	04	Good
6.	114 – 121	07	Good
7.	139 – 146	07	Good
8.	154 – 164	10	Good
9.	166 – 170	04	Good

- Note: 1. Zone Sl. No. 5 is highly intermixed with fine bands of kankar.
2. Zone Sl. No. 4 is fine sand in nature.
3. Fine bands of kankar are intermixed with almost all the zones.

For Geo Instruments & Technic's


(S. Shukla)

L/M=III

GP:- Bargadwa

Block:- Nautanwa, Maharajganj

Drilling Depth:- 254, 600x500mm ϕ

Logging Depth:- 173

Logging Date:- 01-10-23

LPM:- 900, slotted-27 mtr

Assembly:- 300x150mm ϕ

Depth (m)	Interval (m)	Remarks	Total Depth (m)
33	6.00		
32	6.00		
31	6.05		
30	6.00		
29	6.00	= 42.05	
28	6.00		
27	6.00	41.55	
	0.2	41.75	
26	6.04		
25	6.03		
24	2.63	= 26.75	
23	6.02		
22	6.03	68.50	
21	---	3.00 71.50	
20	6.01		
19	2.00		
18	4.96	= 19.00	
17	6.03	90.50	
16	---	3.01 93.51	
15	6.04		
14	6.03	= 21.10	
13	3.00		
12	6.03	114.61	
11	---	6.04 120.65	
10	6.02		
9	4.03	= 18.85	
8	2.78		
7	6.02	139.50	
6	---	6.03 145.53	
5	6.01		
4	3.00	= 9.00 154.54	
3	---	5.97	
2	---	3.00 163.54	
1	6.02	169.53	

Date:- 04-10-23

Logging Report

- ① 18 - 28 = 10
- ② 34 - 38 = 04
- ③ 41 - 48 = 07
- ④ 68 - 72 = 04 = 03
- ⑤ 90 - 94 = 04 = 03
- ⑥ 114 - 121 = 07 = 06
- ⑦ 139 - 146 = 07 = 06
- ⑧ 154 - 164 = 10 = 9
- ⑨ 166 - 170 = 04

- ① $6.03 = 2.00 - 4.03$ (19) (9)
- ② $6.00 - 3.00 = 3.00$ (13) (4)
- ③ $6.01 - 2.63 = 3.38 - 2.78 = 0.6$ (24) (8)
- ④ ~~$6.02 - 2.00 = 4.02$~~ $6.02 - 4.96 = 1.06$ (18)

Total Logging = ~~170.03~~ 170.03 mtr

→ 150mm ϕ ← + 0.5