

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:22-23:LS:1K- 397

Dated: 03-02-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Ralbhari**
Block: **Fatehpur**
District: **Barabanki**
State: **Uttar Pradesh**
Date of Logging: **02-02-2023**
Drilling Depth: **170.0 m bgl**
Logging Depth: **163.0 m bgl**
Rm - **21.0 Ω m** Rw - **27.0 Ω m**

Borehole Drilled by: **M/s PNC Infratech Pvt. Ltd., Barabanki, U.P.**

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.	24 - 31	07	Good
2.	41 - 51	10	Good
3.	56 - 66	10	Good
4.	70 - 76	06	Good
5.	80 - 86	06	Good
6.	86 - 90	04	Good
7.	92 - 102	10	Good
8.	111 - 118	07	Good
9.	124 - 130	06	Good
10.	133 - 137	04	Good
11.	140 - 146	06	Good
12.	149 - 162	13	Good

Note: 1. Fine bands of Kankar are intermixed with almost all the Zones.

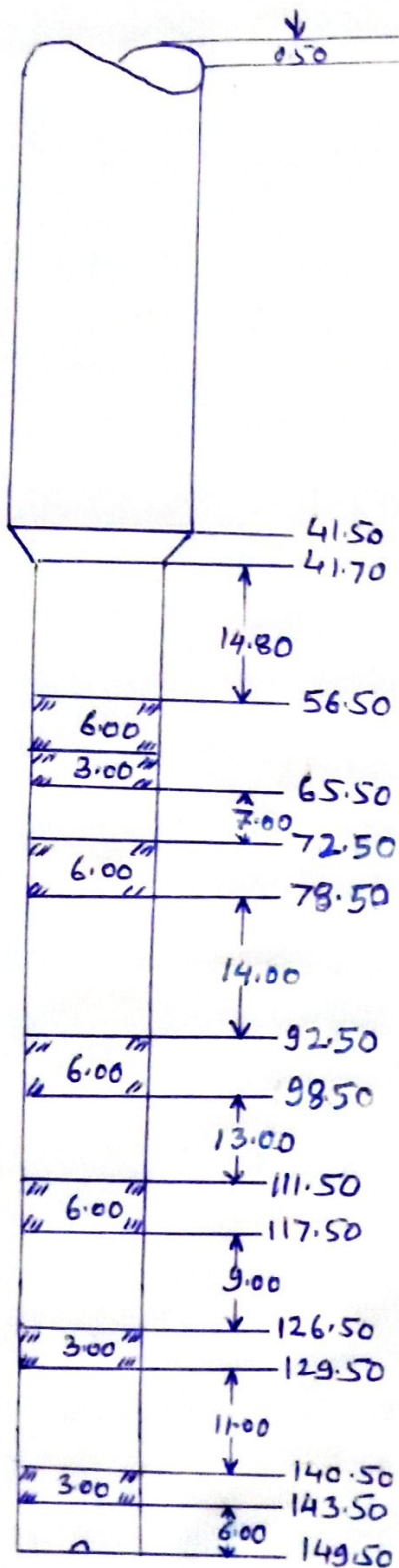
2. Zone Sl. No. 7, 8 & 12 are highly intermixed with fine bands of kankar.

Verified as per logs provided.

Note - Sr No 4 - 72-79 (7m) For Geo Instruments & Technic's
Sr No 5 - 82-85 (3m) *S. Shukla*
Sr No 7 - 92-99 (7m) (3m)
Sr No 10 - 132-135 (3m)

GCH
04/02/23

Proposed TW Assembly chart of Ralbhari w/s scheme Distt. Barabanki



Discharge = 900 LPM
 Motor HP = 17.5 HP
 Assembly size = 300 x 150 mm
 Bore ϕ = 600 x 450 mm
 Logging Report dt-2-2-23

- 1- 24-31 = 7
- 2- 41-51 = 10
- 3- 56-66 = 10 - 9
- 4- 70-76 = 06 - 6
- 5- 80-86 = 06 - 6
- 6- 86-90 = 04
- 7- 92-102 = 10 - 6
- 8- 111-118 = 07 - 6
- 9- 124-130 = 06 - 3
- 10- 133-137 = 04
- 11- 140-146 = 06 - 3
- 12- 149-162 = 13

Consider

- Sr No-4 - 72-79 = 7-6
 Sr No-5 - 82-85 = 3 x
 Sr No-7 - 92-99 = 7-6
 Sr No 10 - 132-135 = 3 x