



GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Tele Fax : +91-0522-246-5512(O)
Mob. : + 91 - 9415141232, 9554034123
E-mail : geo.instrument@outlook.com

Ref:GIT:UP: PJM:23-24:LS: 267
Dated: 24-04-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Hatwa Khurd
Block: Domariyaganj
District: Siddharth Nagar
State: Uttar Pradesh
Drilling Depth: 165.0 m bgl
Logging Depth: 165.0m bgl
Date of logging: 24-04-2023
Rm - 18.0 Ω m Rw - 19.0 Ω m

Borehole Drilled by: M/s SCL Infratech Limited, Siddharth Nager, 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 | 25 - 28 | 03 | Good |
| 2 | 32 - 39 | 07 | Good |
| 3 | 46 - 52 | 06 | Good |
| 4 | 57 - 64 | 07 | Good |
| 5 | 73 - 83 | 10 | Good |
| 6 | 90 - 94 | 04 | Good |
| 7 | 118 - 122 | 04 | Good |
| 8 | 128 - 138 | 10 | Good |
| 9 | 145 - 149 | 04 | Good |
| 10 | 160 - 164 | 04 | Good |

Note: 1. Fine bands of kankar are intermixed with almost all the zones.

2. Zone Sl. No. 4 is highly intermixed with fine band of kankar.

Verified as per logs provided

*G.Sh
25/04/23*

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)

Regd. Office : V.V.I.P. Road, Near Pakri Ka Pul, Alambagh, Lucknow - 226 005



S = 400 lpm
 = 200 x 150 mmφ
 = 165/150 m
 = 12 m

Steuta As per logging :-

25-28 = 3
 32-39 = 7
 46-52 = 6
 57-64 = 7
 73-83 = 10 = 6
 91-94 = 4
 118-122 = 4
 128-138 = 10 = 6
 145-149 = 04
 160-164 = 04

Cutting

6.03 → 3.00 + 3.03
 ✓ ✓

| | | |
|----|-------|---------------|
| 24 | 6.04 | |
| 23 | 6.03 | |
| 22 | 6.03 | 42.21 |
| 21 | 6.03 | |
| 20 | 6.03 | |
| 19 | 6.03 | |
| 18 | 6.02 | 41.71 |
| | | 0.20 m |
| | | 41.91 |
| 17 | 5.99 | |
| 16 | 6.02 | |
| 15 | 6.02 | 33.09 |
| 14 | 6.03 | |
| 13 | 6.03 | |
| 12 | 3.00 | 75.00 |
| | " " " | |
| 11 | " " " | 6.00 |
| | " " " | 81.00 |
| 10 | 6.03 | |
| 9 | 6.02 | |
| 8 | 6.02 | |
| 7 | 6.03 | 48.22 |
| 6 | 6.03 | |
| 5 | 6.03 | |
| 4 | 6.03 | |
| 3 | 6.03 | 129.22 |
| | " " " | |
| 2 | " " " | 6.00 |
| | " " " | 135.22 |
| 1 | 5.98 | |
| | | 141.20 + 0.50 |
| | | = 141.70 |