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Ref. No. : AGS/EL/2023/PRGH-156

Date : 24/10/2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site Name : Barista
Location : 25.343156, 81.866315
Block : Mandhata
District : Pratapgarh
State : Uttar Pradesh
Logging Depth : 286 Mbgl
Rm/Rw : 6/4.5
Date of Logging : 23-Oct-2023
Logged By : Mr. Sadik Sheikh (Wellsite Geologist)
Logger Make : GIT
Tubewell Drilled By : M/S Kalptaru Projects International Ltd, Pratapgarh Uttar Pradesh
Representative : M/S Bhagwati Traders


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:

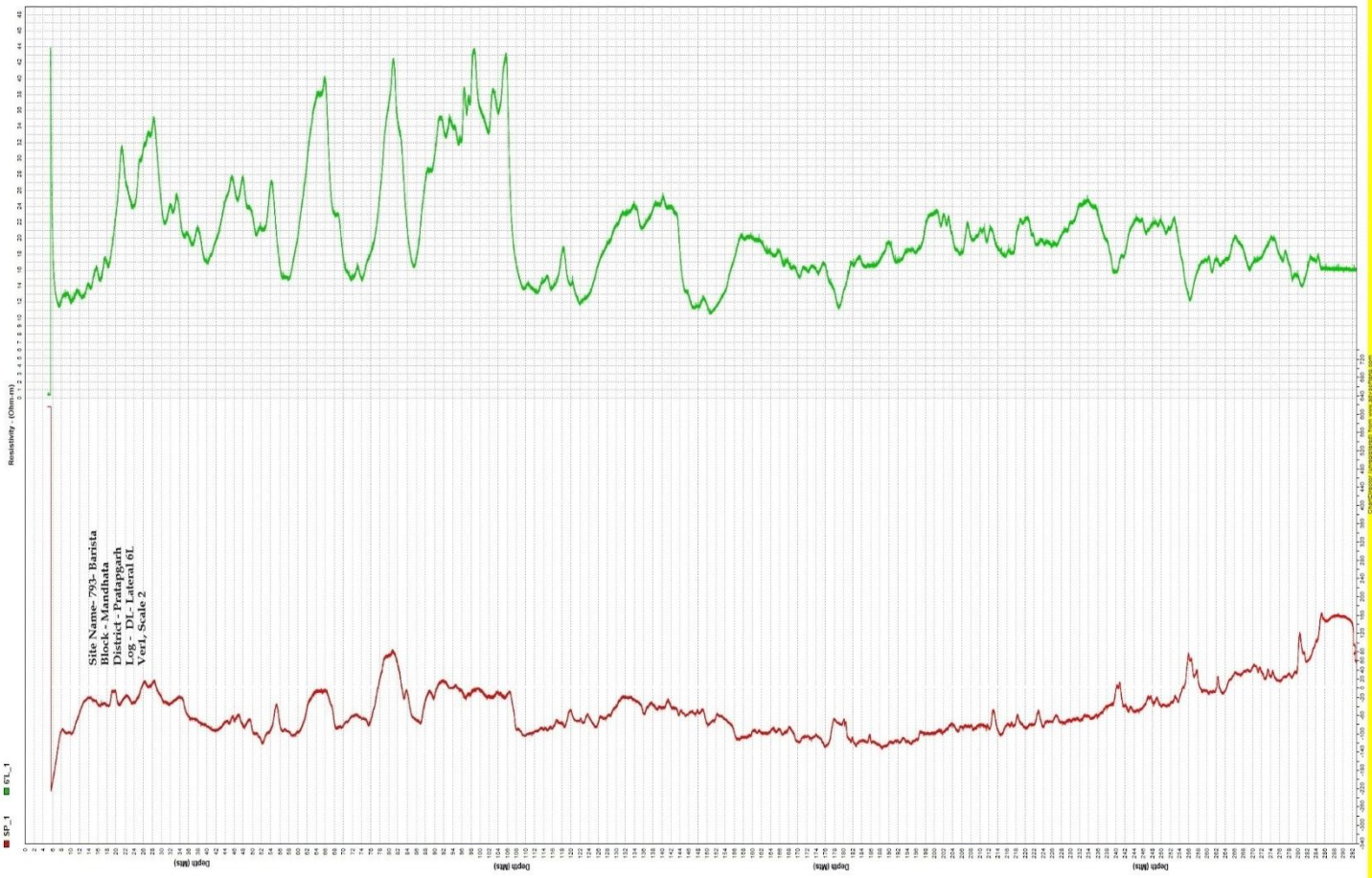
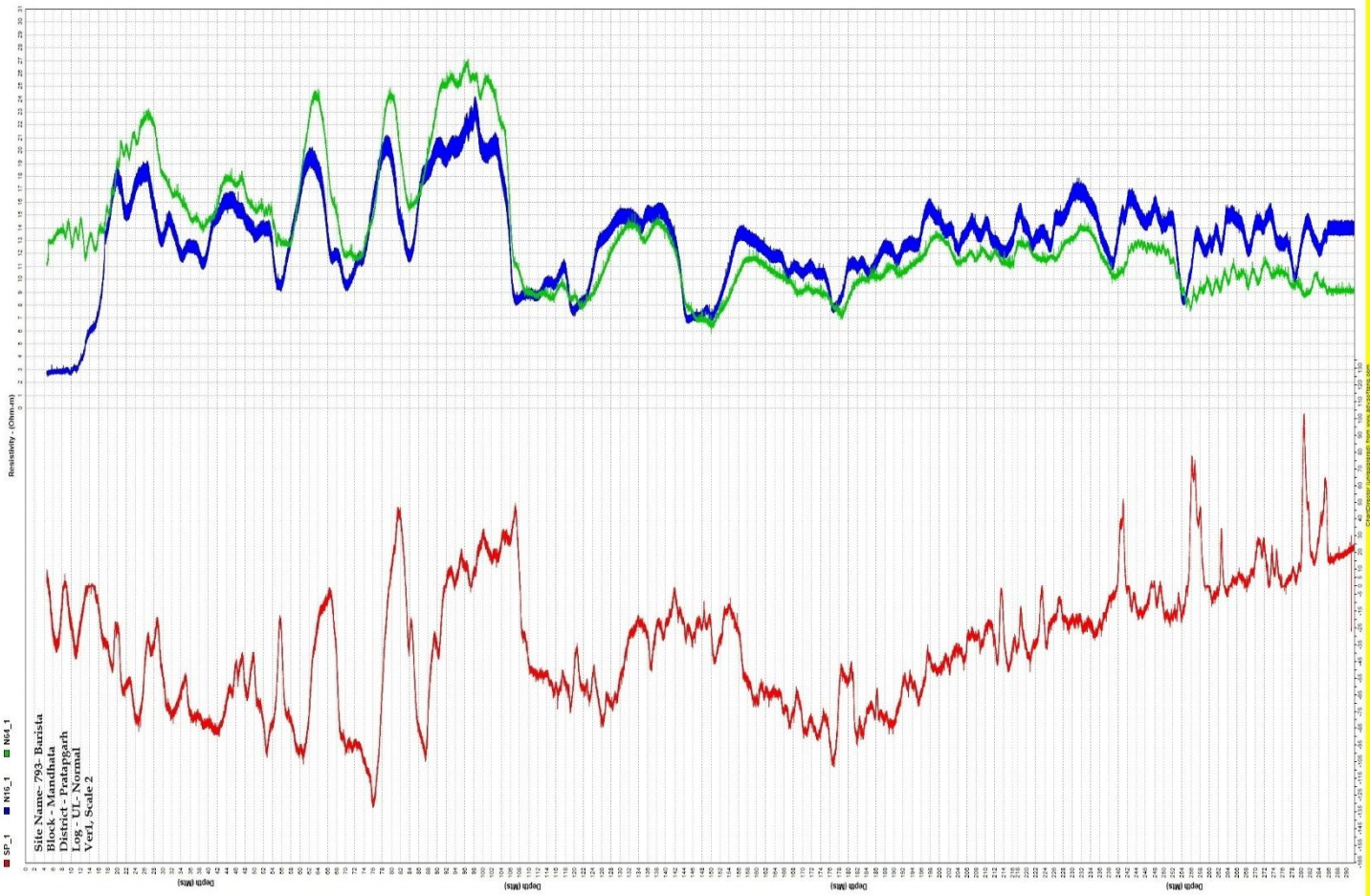
Sl No.	Depth Range (mbgl)	Thickness (meters)	Quality Remarks (in term of Salinity)
1	24-29	5	Good
2	42-47	5	Good
3	61-67	6	Good
4	78-82	4	Good
5	90-98	8	Good
6	100-105	5	Good
7	130-134	4	Moderate to Marginal
8	137-143	6	Moderate to Marginal

Note: 1- All zones intermixed with thin bands of kankar and sr no 5 highly kankar intermixed.

2- The formation water quality is deteriorating from marginal to saline below 156 Mbgl to till depth logged .

3- Sr no 2 is fine to very fine sand in nature


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Sanjeet Sharma
(Hydrogeologist)



0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300
 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300