



SURYA BOREWELL & TRADERS

Address - Sikandra, Kanpur Dehat

RefNo: - 06-01-07/ SURYA/2024

Date: 06 Jan 2024

GEOPHYSICAL WELL LOGGING REPORT

General Description (As reported)

Site Location : Vill - Mathura Block - Haralya Satghrwa
 District : Balrampur
 Drilled Depth : 270 m bgl
 Borehole drilled by : Welspun India Ltd.
 Logged Depth : 270 m bgl
 Date of Logging : 06 Jan 2024, 18:08 hrs
 Rm & Rsw : 15.20 Ω -m & 17.5 Ω -m
 Lat. & Long. : 27.578655 & 82.060350.

Based on interpretation of presented geophysical logs (S.P, Short Normal N16", Long Normal N64" and Lateral 6'), the location of comparatively suitable granular zones is as mentioned below -

S.No	Depth Range (in meter below ground level)		Thickness (in meter)	Remark (Quality of formation water) (as appear)
	From	To		
1.	47	50	3	Good to Moderate
2.	63	78	15	Good
3.	89	94	5	Good
4.	108	111	3	Good
5.	122	137	15	Good
6.	156	160	4	Good
7.	163	166	3	Good
8.	176	180	4	Good
9.	213	237	24	Good
10.	240	243	3	Good
11.	248	254	6	Good
12.	264	267	3	Good

Note: - The interpretation of mentioned geophysical logs reveals that-

1. Every granular zone contains fine sediments with kanker as per the data given in the table.
2. Granular zones other than mentioned above are either highly mixed with clay kanker or very fine granular zone (213-237) mbg is intermixed with thin beds of kanker.
3. Quality of formation water up to logging depth is good and at granular zone (180-213) mbgl quality of formation water marginally deteriorated.
4. Log data Attached.
- 5.

Geophysical Log Interpreted by

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