

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 55

Date:- 14-11-2022

NAME OF SITE

GRAM PANCHAYAT - Mudhari Sidharpur
DISTT- Badaun

BLOCK- Sahaswan

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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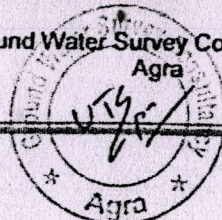
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MUDHARI SIDHARPUR, BLOCK- SAHASWAN
DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 14.Nov.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 13	8	Fine sand	
3.	13 - 17	4	Clay	
4.	17 - 34	17	Medium sand	Good
5.	34 - 45	11	Clay kankar	
6.	45 - 53*	8	Medium sand	Good
7.	53 - 62	9	Clay kankar	
8.	62 - 70*	8	Medium sand	Good
9.	70 - 77	7	Clay kankar	
10.	77 - 84*	7	Medium sand	Good
11.	84 - 86	2	Kankar	
12.	86 - 105*	19	Medium sand	Good
13.	105 - 114	9	Clay kankar	
14.	114 - 120	6	Sandy clay	



Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Good.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

Geophysicist



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Fig. 1
 1110 (SH)
 1110 (LW)
 1110 (LAT)

SP (mV)

