

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A-2502

Date:- 07-01-2024

NAME OF SITE

GRAM PANCHAYAT - Abhaipur
BLOCK - Samter
DISTT - Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badam



GROUND WATER SURVEY CONSULTANCY

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

112 A-Shree Nagar Colony, Firozabad Road, Agra-282006
(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO : 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- ABHAIPUR, BLOCK- SAMRER, DISTT- BADAUN

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 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 is conduct

at above bore hole using IGIS Well Logger on 07.Jan.2024.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral.

Details of major aquifer 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 - 10	5	Clay kankar	
3.	10 - 29	19	Medium sand	Medium
4.	29 - 40	11	Clay kankar	
5.	40 - 54*	14	Medium sand	Medium
6.	54 - 57	3	Clay kankar	
7.	57 - 61*	4	Medium sand	Medium
8.	61 - 71	10	Sandy clay	
9.	71 - 80*	9	Medium sand	Medium
10.	80 - 87	7	Clay kankar	
11.	87 - 96*	9	Medium sand	Medium
12.	96 - 100	4	Clay kankar	
13.	100 - 105*	5	Medium sand	Medium
14.	105 - 115	10	Clay kankar	
15.	115 - 120*	5	Fine to Medium sand	Medium
16.	120 - 130	10	Clay kankar	

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Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Medium.
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.



Geologist

