

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-B-1373

Date:- 27-07-2023

NAME OF SITE

GRAM PANCHAYAT- Sherpur

BLOCK- Dataganj

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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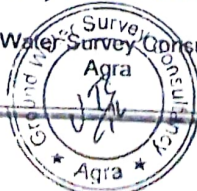
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SHERPUR, BLOCK- DATAGANJ, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 131 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 27.July.2023.

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 - 7	2	Clay kankar	
3.	7 - 25	18	Fine to medium sand	
4.	25 - 27	2	Clay kankar	
5.	27 - 34	7	Medium sand	Medium to Good
6.	34 - 38	4	Clay kankar	
7.	38 - 53*	15	Medium sand	Medium to Good
8.	53 - 55	2	Clay kankar	
9.	55 - 78*	23	Medium sand	Medium to Good
10.	78 - 92	14	Clay kankar	
11.	92 - 98*	6	Fine to medium sand	Medium to Good
12.	98 - 101	3	kankar	
13.	101 - 117*	16	Medium sand	Medium to Good
14.	117 - 131	14	Clay kankar	

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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 Medium to 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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Rho a
 N 16 (SN)
 N 64 (LN)
 LAT

Logging Details
 Date: 01/21/22
 Time: 10:30 AM
 Location: IGIS/S/01/21-22
 Well No: 101
 Well Depth: 130 m
 Well Type: M
 Well Status: A

Logger S No
 IGIS/S/01/21-22

SP (m V)

Logger Model
 DMPL-2

Logger Owned by
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, India

