

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-425

Date:- 09-05-2023

NAME OF SITE

GRAM PANCHAYAT- Pachdeora Deevan Nagar BLOCK- Usawa DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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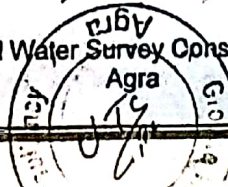
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PACHDEORA DEEVAN NAGAR, BLOCK- USAWA,
DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 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 09.May.2023.

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 - 15	10	Clay kankar	
3.	15 - 18	3	Fine sand	
4.	18 - 25	7	Clay kankar	
5.	25 - 51	26	Medium sand	Good
6.	51 - 57	6	Clay kankar	
7.	57 - 65*	8	Fine to Medium sand	Good
8.	65 - 68	3	Clay kankar	
9.	68 - 72*	4	Fine to Medium sand	Good
10.	72 - 108	36	Clay kankar	
11.	108 - 111	3	Fine sand	Good
12.	111 - 115	4	Clay kankar	
13.	115 - 128*	13	Medium sand	Good
14.	128 - 140	12	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 tube well.
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.



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B Rho a
 NI6 (SNT)
 NS4(LIN)
 LAT
 Logging Details
 Co. Synchro Data
 Naga 8 200-11111 27-
 Data
 CLASSIFIED
 ON 24 Jun 2003
 BY 1119
 Source: Geosoft ISE

B SP (m V)
 Logger Model
 DMP1-2-2
 Logger Owned By
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, INDIA

Log File
 GISSI/02/22-23

