

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2180

Date:- 08-11-2023

NAME OF SITE

GRAM PANCHAYAT- Kailhai

BLOCK- Samrer

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

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

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KAILHAI, BLOCK- UJHANI, DISTT- BADAUN UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 135 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 08.Nov.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 - 12	7	Clay kankar	
3.	12 - 17	5	Fine to Medium sand	Medium
4.	17 - 30	13	Clay kankar	
5.	30 - 37	7	Medium sand	Medium
6.	37 - 42	5	Clay kankar	
7.	42 - 48	6	Medium sand	Medium
8.	48 - 53	5	Clay kankar	
9.	53 - 80*	27	Medium sand	Medium
10.	80 - 88	8	Clay kankar	
11.	88 - 95*	7	Medium sand	Medium
12.	95 - 100	5	Clay kankar	
13.	100 - 112*	12	Medium sand	Medium
14.	112 - 123	11	Clay kankar	
15.	123 - 128*	5	Medium sand	Medium
16.	128 - 135	7	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.

Geophysicist



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Rho a
 NI6 (SN)
 NI6(LN)
 LAT

Logging Details
 Logging Cable & Box
 Survey On Site
 UP LOGGING
 08 Nov 2013
 18:32
 Umapr Saha (AG)

Logger Model
 NI6(S/D)/21-22

Logger Model
 SP (m V)

Logger Owned by
 DMPLE-2
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA UP, India

