

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 973

Date:- 06-10-2022

NAME OF SITE

Gram Panchayat- Khiria Rahlu

BLOCK- Jagat

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY
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ISO ; 9001 : 2015

Ground Water Survey Consultancy
Agra

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHIRIA RAHLU, BLOCK- JAGAT
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 is conduct at above bore hole using IGIS Well Logger on 06.Oct.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 - 21	16	Dry sand	
3.	21 - 27	6	Clay kankar	
4.	27 - 41	14	Medium sand	Good
5.	41 - 45	4	Clay kankar	
6.	45 - 52*	7	Medium sand	Good
7.	52 - 65	13	Clay kankar	
8.	65 - 95*	30	Fine to Med. sand & Kankar	Good
9.	95 - 107	12	Clay kankar	
10.	107 - 115	8	Kankar with Sand	
11.	115 - 126	11	Clay kankar	
12.	126 - 140*	14	Medium sand	Good

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



Ground Water Survey Consultancy

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 1116 (SN)
 1116 (SN)
 LAI

Logging of 1 bore
 East, East West
 East East
 10-21-14
 26 Oct 2007
 17 11
 Uthmaniyah (SN)

SP (m V)

