

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A-1835

Date:- 10-10-2023

NAME OF SITE

GRAM PANCHAYAT- Nagla Choi

BLOCK- Sahaswan

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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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NAGLA CHOI, BLOCK- SAHASWAN, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 134 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 10.Oct.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 - 10	5	Fine to Medium sand	
3.	10 - 20	10	Clay kankar	
4.	20 - 34	14	Medium sand	Medium
5.	34 - 46	12	Clay kankar	
6.	46 - 53*	7	Medium sand	Medium
7.	53 - 63	10	Clay kankar	
8.	63 - 72*	9	Medium sand	Medium
9.	72 - 85	13	Clay kankar	
10.	85 - 121*	36	Medium sand	Medium
11.	121 - 130	9	Clay kankar	
12.	130 - 134	4	Sandy clay	

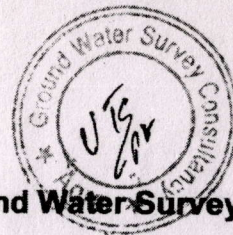
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Conclusions and Recommendations :-

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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B Rhos
 M16 (SN)
 NS64(LN)
 LAT

Logging Details:
 Logging by: Naga Chandra
 Borehole No: 10/02/2023
 UP LOGGING UNIT
 10/02/2023
 135
 Utharpur Guda (AG)

Logger Site:
 IGSS/S/O/21-22

B
 SP (m V)

Logger Model:
 DMR1-2
 Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, India

