

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 274

Date:- 31-12-2021

NAME OF SITE

Gram Panchayat- Nagla Tarau BLOCK- Ambiyapur
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

Ground Water Survey Consultancy



For Bhagwell

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT - NAGLA TAKAU, BLOCK - AMBIYAPUR, DISTT. - BADAUN

UNDER

JAL JIVAN MISSION

Introduction :

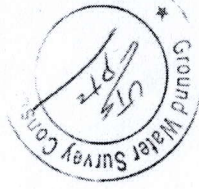
A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using GIS Well Logger on 31.Dec.2021.

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 - 15	10	Fine to Medium sand	
3.	15 - 30	15	Clay kankar	
4.	30 - 42	12	Medium sand	Medium
5.	42 - 60	18	Clay kankar	
6.	60 - 90*	30	Fine to Medium sand	Medium
7.	90 - 105	15	Clay kankar	
8.	105 - 110	5	Fine sand	Medium
9.	110 - 120	10	Clay kankar	

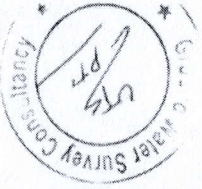
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(PNC)
S. Yadav

Conclusions and Recommendations :-

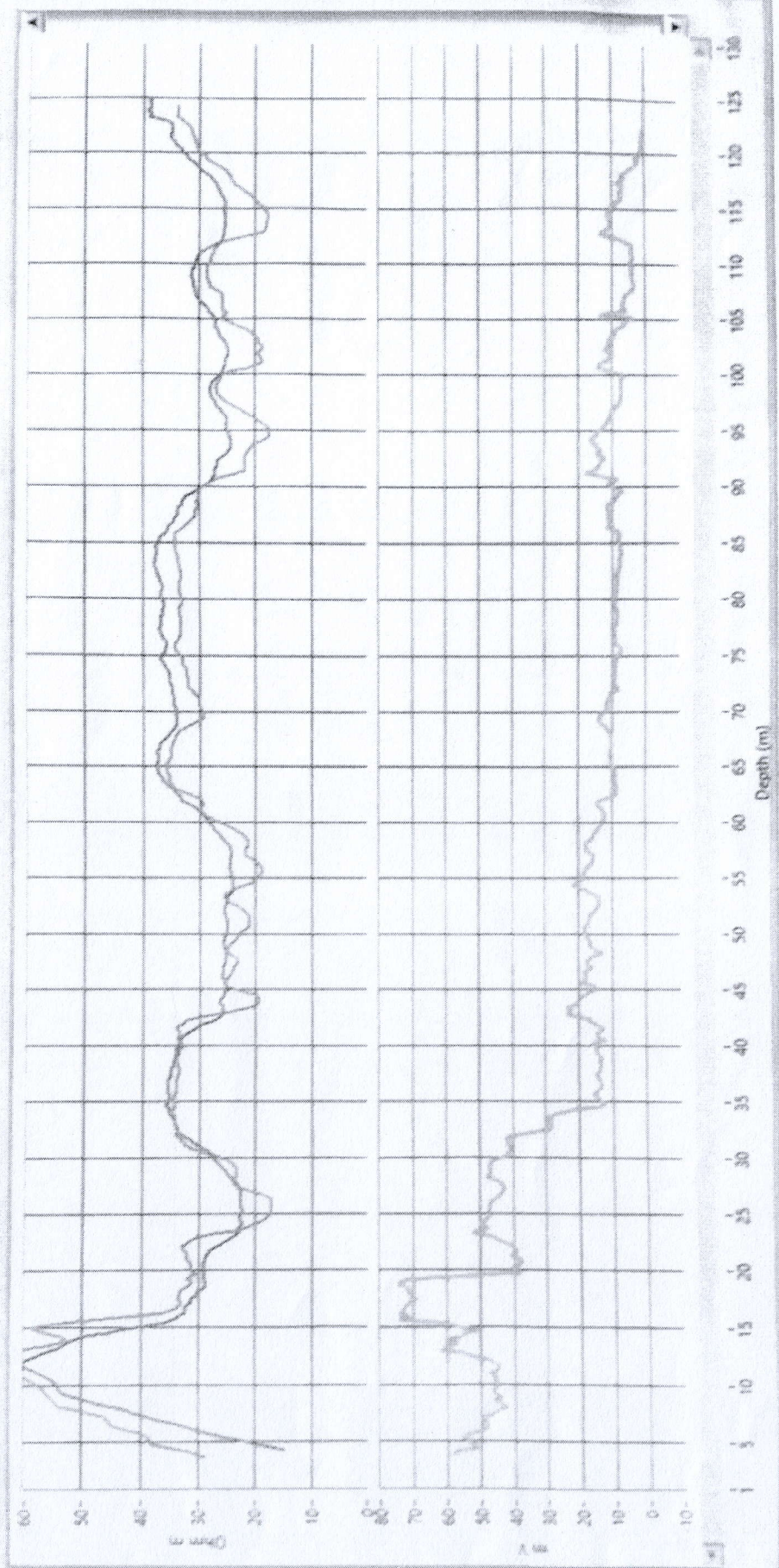
1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Medium.
4. Expected discharge is 800 to 900 L.P.M.
5. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
6. 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

K. Yadav
(P.N.O.)



For Bhagwati Borewell