

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 492

Date:- 23-02-2022

NAME OF SITE

Gram Panchayat – Rasoolpur Bihari BLOCK- Jagat 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

Dr. Dhruv Tubewell Engineering Ground Water Survey Consultancy

Dhruv
Partner



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RASOOLPUR BIHARI, BLOCK- JAGAT, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

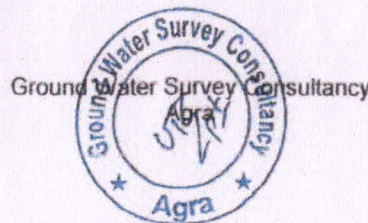
Introduction :

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 IGIS Well Logger on 23.Feb. 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 - 20	15	Dry sand	
3.	20 - 40	20	Clay kankar	
4.	40 - 50*	10	Medium sand	Good
5.	50 - 65	15	Clay kankar	
6.	65 - 75*	10	Medium sand	Good
7.	75 - 86	11	Clay kankar	
8.	86 - 118*	32	Fine to Med. sand & kankar	Good
9.	118 - 120	2	Clay kankar	

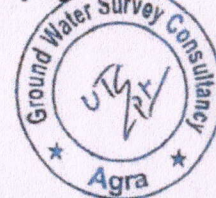


For Dhruv Tubewell Engineers
Partner

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. Expected discharge is 1000 to 1100 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.

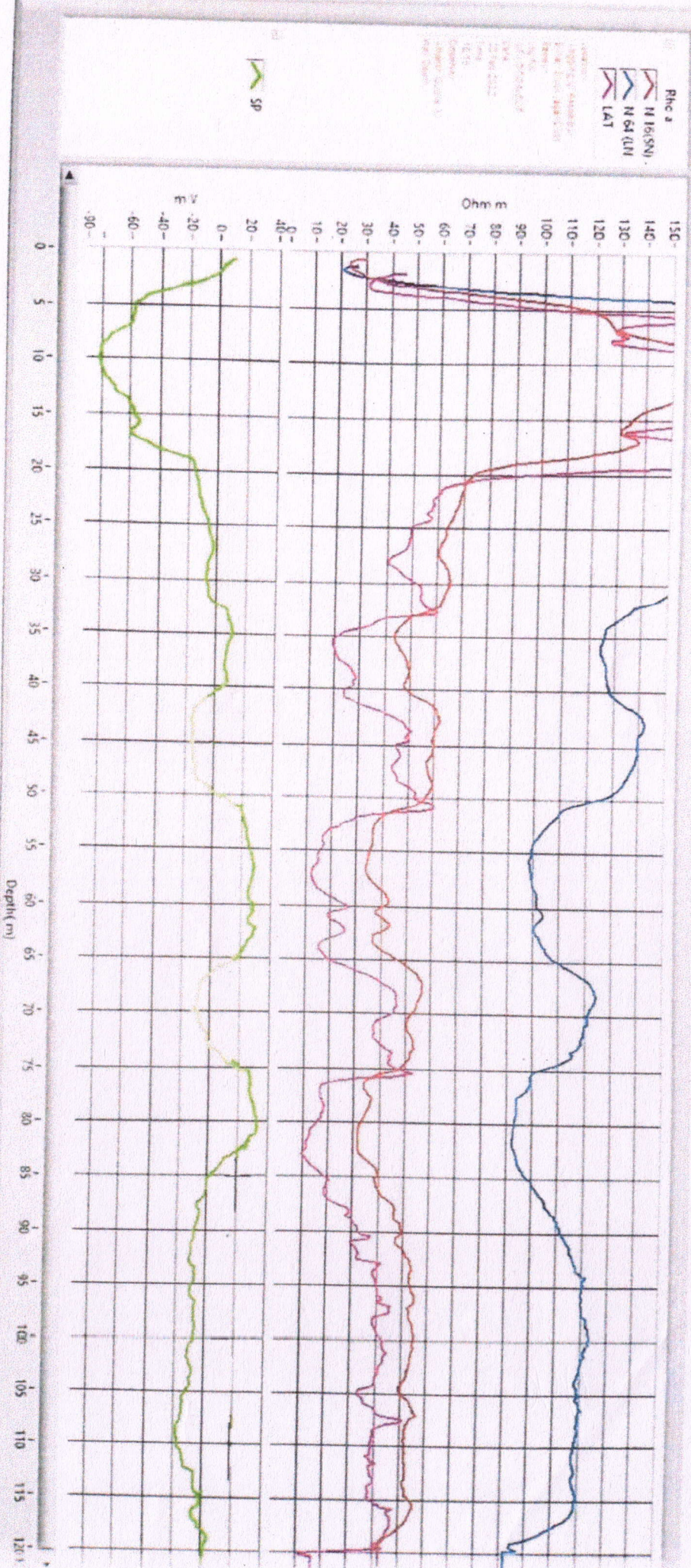
Geophysicist



Ground Water Survey Consultancy

For Dhruv Tubewell Engineers

Partner



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Dhruv
 Partner