

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 570

Date:- 04-03-2022

NAME OF SITE

Gram Panchayat – Rupapur 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.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

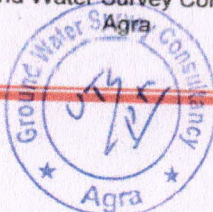
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ISO ; 9001 : 2015

For Dhruv Tubewell Engineers


Partner

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

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

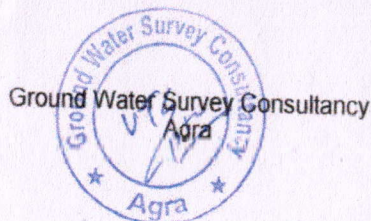
Introduction :

A Deep bore hole was drilled 141 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 04.Mar. 2022.

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 - 19	14	Dry sand	
3.	19 - 50	31	Sandy clay	
4.	50 - 65	15	Clay kankar	
5.	65 - 74*	9	Fine to med. sand	Good
6.	74 - 76	2	Clay kankar	
7.	76 - 90*	14	Medium sand	Good
8.	90 - 95	5	Clay kankar	
9.	95 - 111*	16	Fine to medium sand	Good
10.	111 - 125	14	Clay kankar	
11.	125 - 134*	9	Medium sand	Good
12.	134 - 137	3	Clay kankar	
13.	137 - 140	3	Sandy clay	

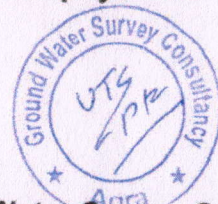


For Dhruv Tubewell Engineers
[Signature]
Partner

Conclusions and Recommendations :-

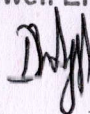
1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Good.
4. Expected discharge is 1000 to 1100 L.P.M.
5. It is recommended to have a chemical 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

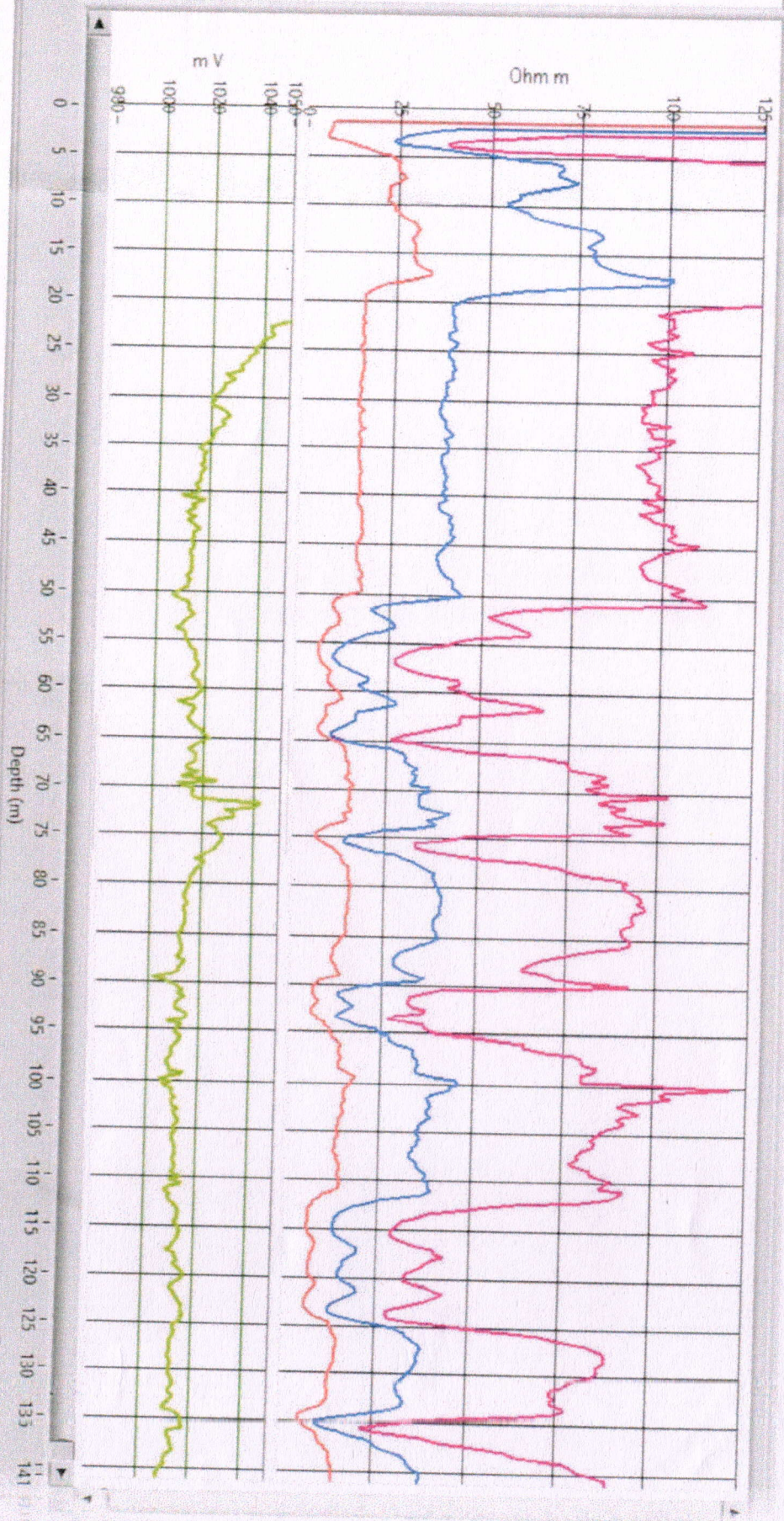


Ground Water Survey Consultancy

For Dhruv Tubewell Engineers


Partner

Rho a
 N16 (SN)
 NSd(LN)
 LAT
 Logging VI Ruppapur
 Block Jagat Distt
 Badaun
 LOGGINGDOWN
 04 Mar 2022
 15.37
 Utkarsh Gupta (AG)



For Dhruv Tubewell Engineers

Dhruv Partner