

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 228

Date:- 14-05-2022

NAME OF SITE

Gram Panchayat- Rukhra Khaula BLOCK- Jagat DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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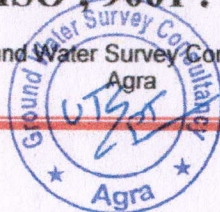
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO : 9001 : 2015

Ground Water Survey Consultancy



For Dhruv Tubewell Engineers

Dhruv
Partner

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

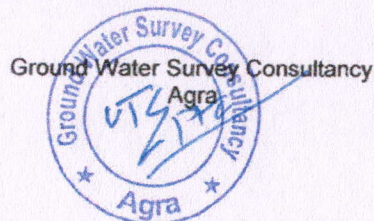
Introduction :

A Deep bore hole was drilled 112 mtrs. depth. and Logged depth 110 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 14.May.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 - 8	3	Dry sand	
3.	8 - 29	21	Clay kankar	
4.	29 - 36	7	Medium sand	Good
5.	36 - 40	4	Clay kankar	
6.	40 - 45	5	Sand & Kankar	Good
7.	45 - 52	7	Clay kankar	
8.	52 - 75*	23	Medium sand	Good
9.	75 - 77	2	Kankar	
10.	77 - 81*	4	Medium sand	Good
11.	81 - 87	6	Clay kankar	
12.	87 - 93*	6	Medium sand	Good
13.	93 - 105	12	Clay kankar	
14.	105 - 110	5	Fine sand	Good




For Dhruv Tubewell Engineers

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 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.

For Dhruv Tubewell Engineers


Partner

Geophysicist



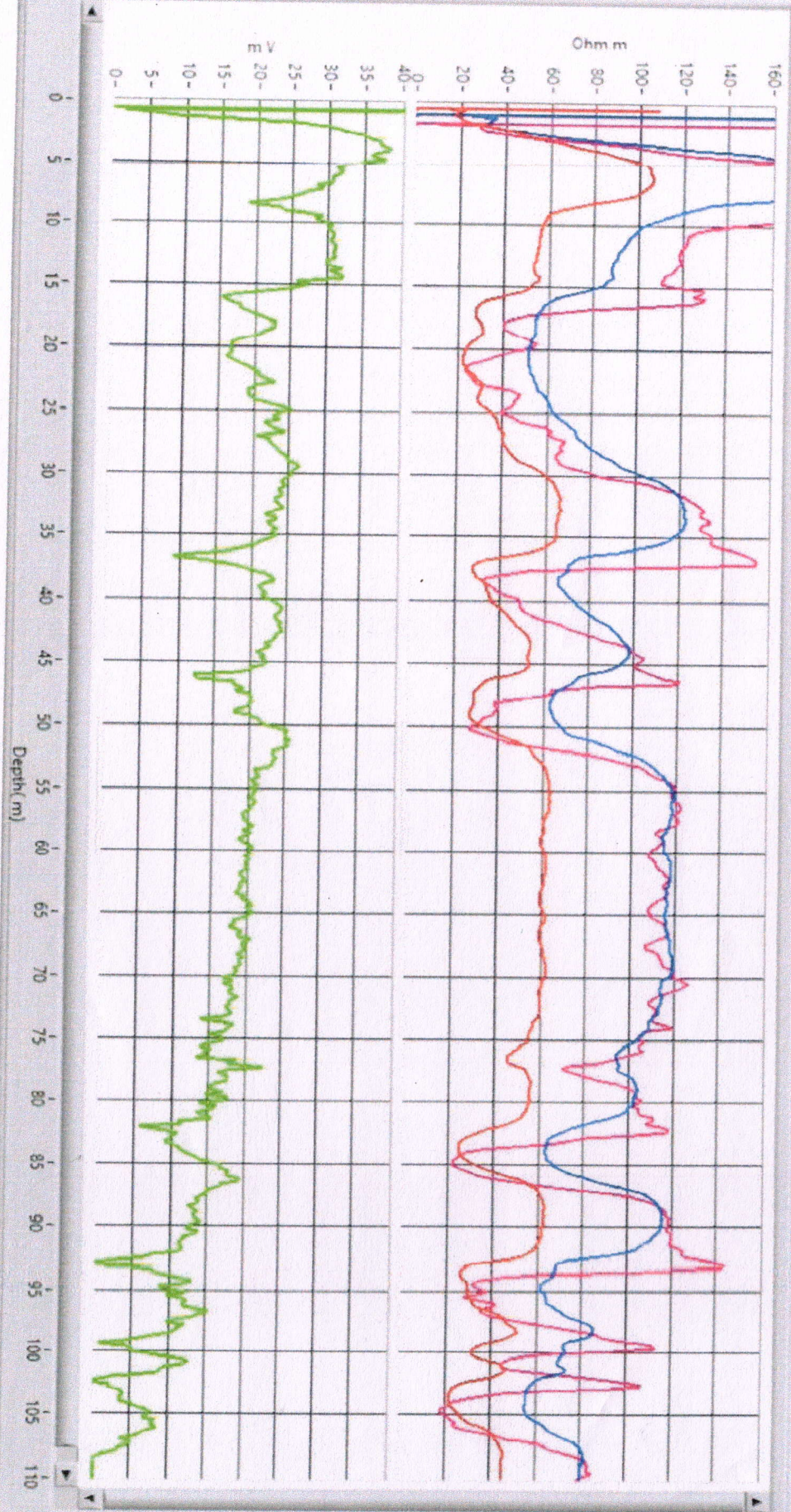
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Rho a

- < N 16(S/N)
- < N 64(LN)
- > LAT

Location
 Jopura V. Karna Vihar
 2000 - Agart Dist Budaun
 Log No
 UPT 1000310300
 Date
 14 May 2011
 Time
 1:15:00
 Operator
 Udaya Saha - AG
 Web-Desk

SP



For Dhruv Tubewell Engineers
Dhruv
 Partner