

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT-AHRUIYA, BLOCK-SALARPUR, DISTT.-BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 114 mtrs. depth. and Logged depth 114 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 03.Jan.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.	5 15	5	Surface soil	
2.	15 15	10	Fine sand	
3.	15 - 45	30	Clay kankar	
4.	45 —	7	Fine to Medium sand	Good
5.	52 - 55	3	Clay kankar	
6.	65 *	10	Medium sand	Good
7.	65 - 67	2	Clay kankar	
8.	67 —	18	Medium sand	Good
9.	85 - 90	5	Clay kankar	
10.	90 - 105	15	Sand clay	
11.	105 - 114	9	Fine sand	Good



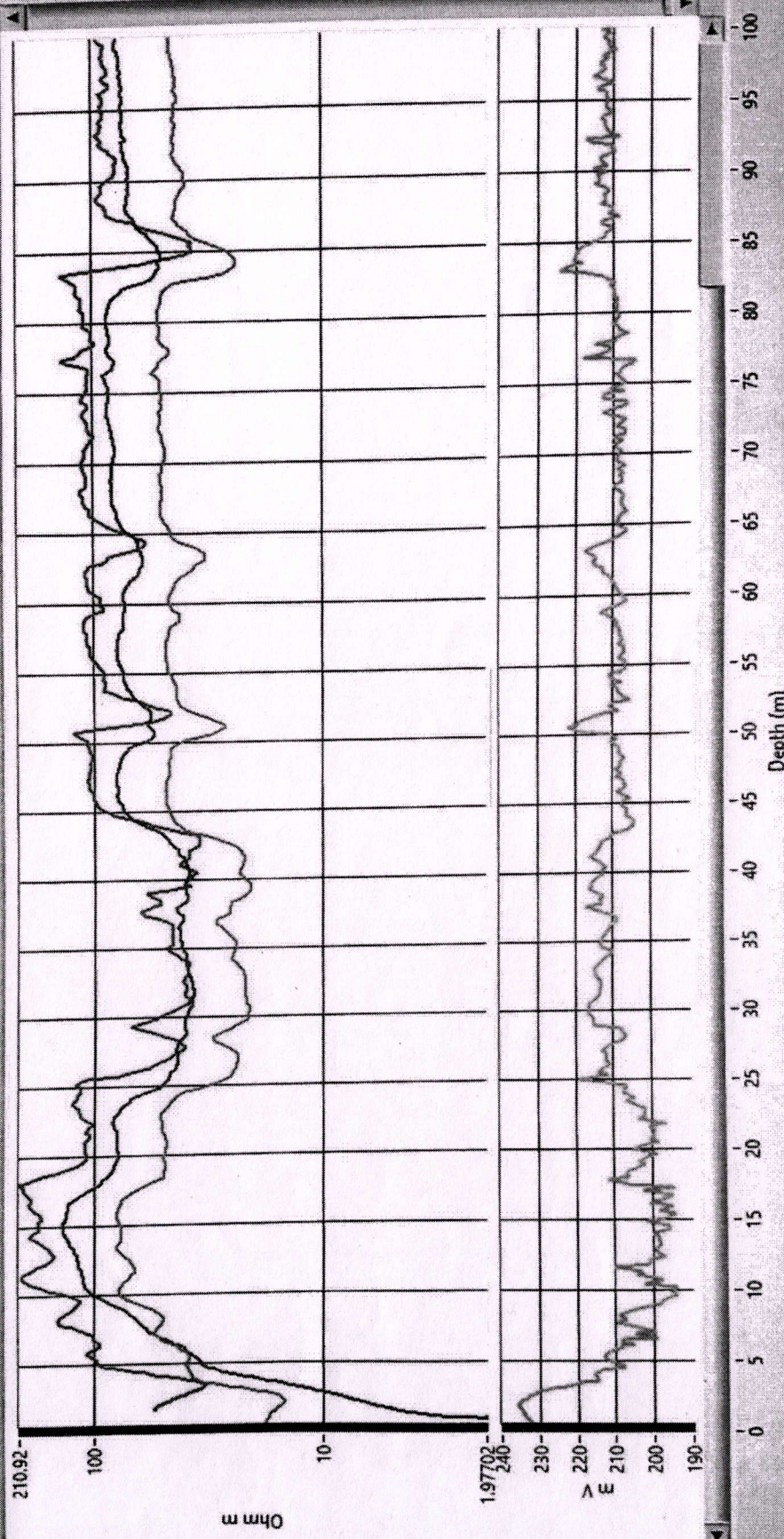
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Conclusions and Recommendations :-

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 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.



Ground Water Survey Consultancy



Rho a
 N16 (SN)
 N64(LN)
 LAT
 Logging VI Auraiya
 Block Salarpur Distt
 Badaun
 LOGGINGup
 03 Feb 2022
 12:12
 Unkarsh Gupta (KS)

SP (m V)

