

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 172

Date:- 30-04-2022

NAME OF SITE

Gram Panchayat - Piwari
BLOCK - Bisolo
DISTT - Badam

NAME OF AGENCY

M/s PNC-SPML-JV
Badam



GROUND WATER SURVEY CONSULTANCY
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
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ISO : 9001 : 2015



REPORT ON GEOPHYSICAL WELL LOGGING

AT
GRAM PANCHAYAT-PIWARI, BLOCK-BISOLO, DISTT.-BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 111 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 30.Apr.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 - 16	11	Dry sand	
3.	16 - 20	4	Clay	
4.	20 - 30	10	Fine to Medium sand	Good
5.	30 - 35	5	Clay Kanakar	
6.	35 - 48*	13	Medium Sand	Good
7.	48 - 54	6	Clay Kanakar	
8.	54 - 80*	26	Medium Sand	Good
9.	80 - 84	4	Clay Kanakar	
10.	84 - 90*	6	Fine to Medium Sand	Good
11.	90 - 110	20	Clay Kanakar	

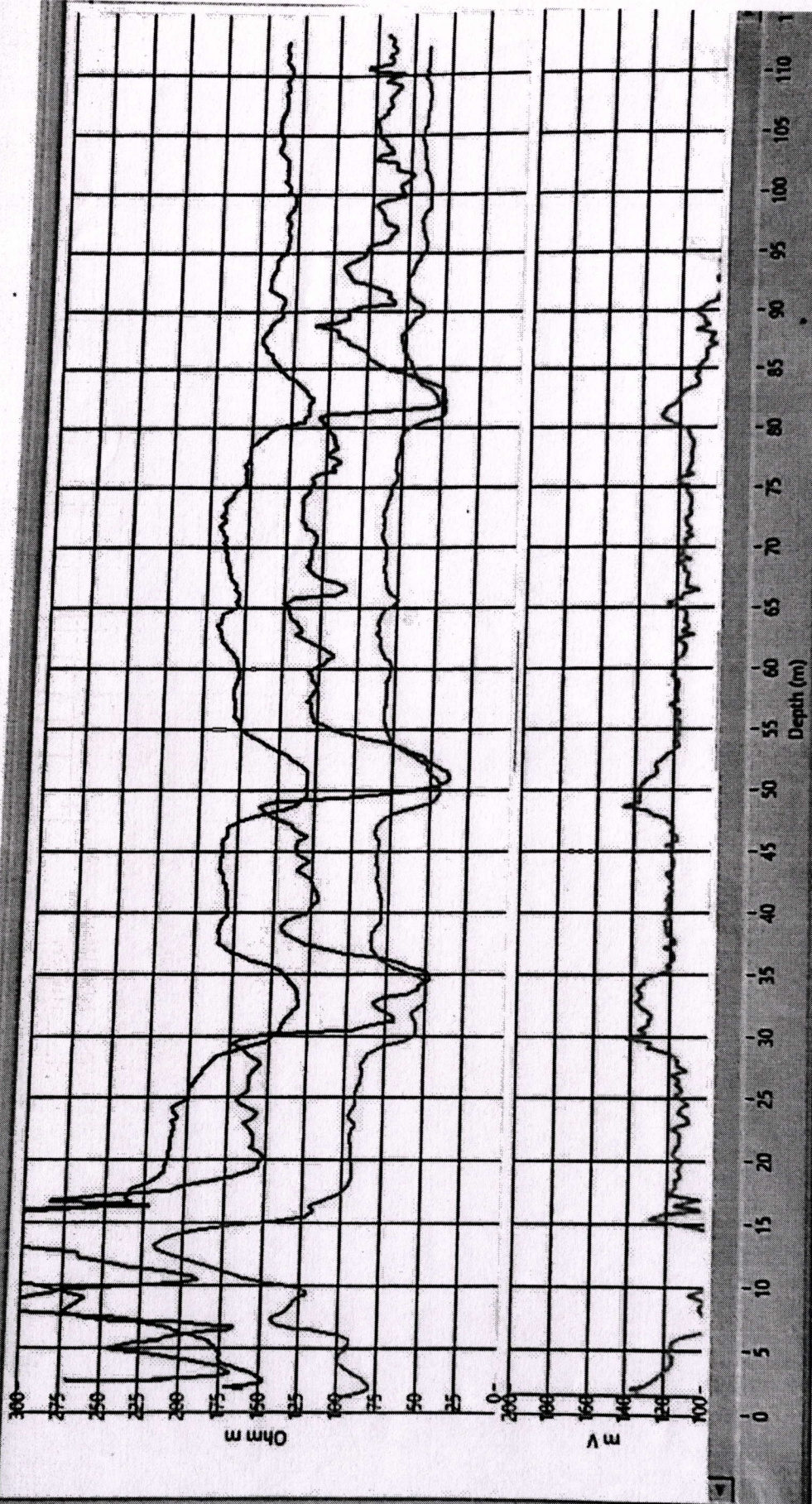


Conclusions and Recommendations :-

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 900 to 1000 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

NT16 (SN)
 N64(LN)
 LAT

Logging VI BHIVARI
 WLOCK, Biselli badaun
 OGGI/Gup
 10 Apr 2022
 5:02
 Atkarsh gupta (G/I)

SP (m V)

