

**GROUND WATER SURVEY CONSULTANCY**  
**GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS**

**GEO-PHYSICAL WELL**  
**ELECTROLOGGING REPORT**

Ref No:- 124

Date:- 23-04-2022

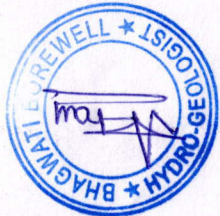
**NAME OF SITE**

Gram Panchayat- Achaura      BLOCK- Ujhani      DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV

Badaun



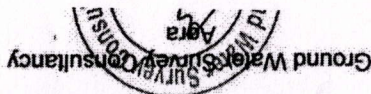
**GROUND WATER SURVEY CONSULTANCY**

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

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**ISO : 9001 : 2015**



# REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT-ACHAURA, BLOCK- UJHANI, 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.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:-



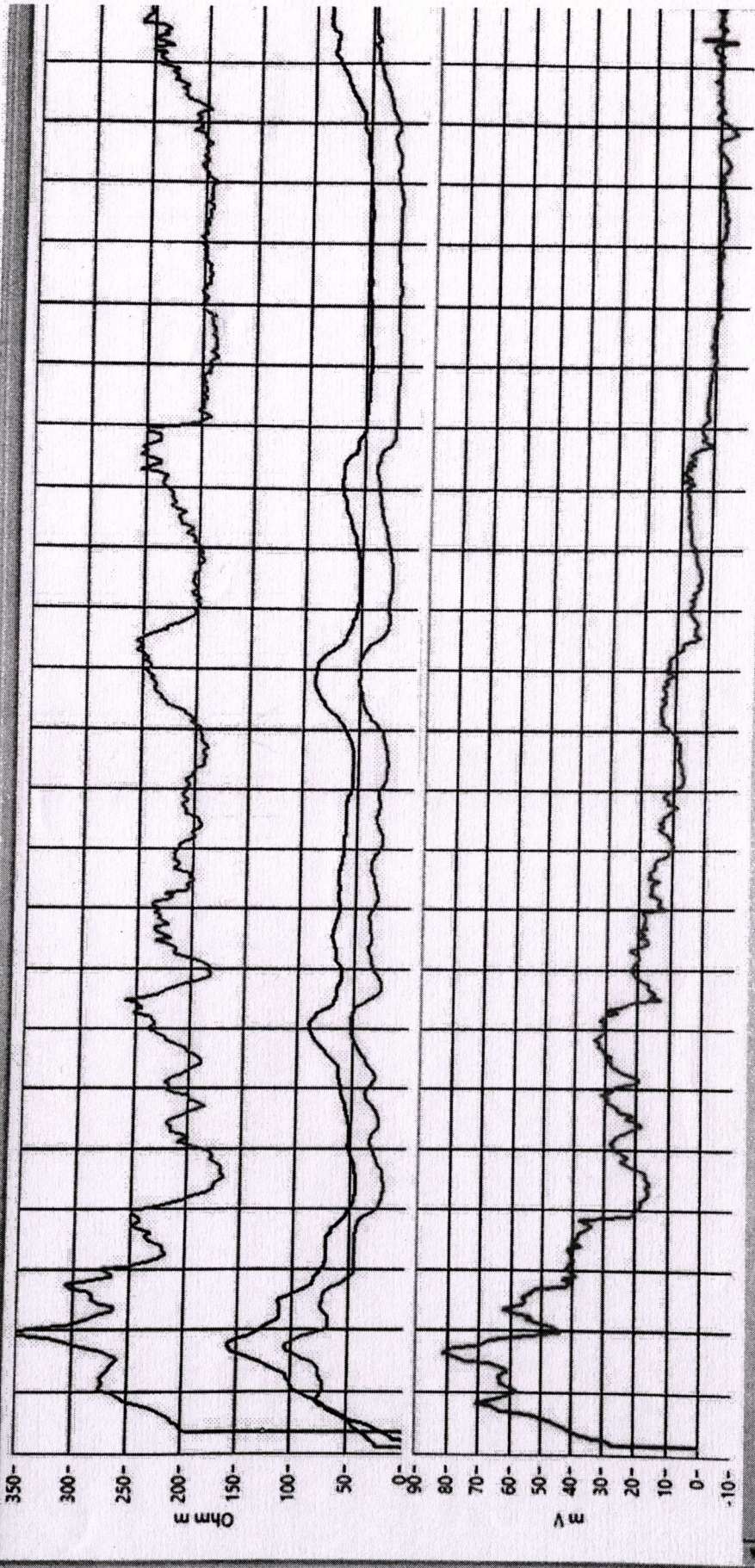
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Dry sand	
3.	15 - 32	17	Clay kankar	
4.	32 - 36	4	Fine sand	Good
5.	36 - 60	24	Clay kankar	
6.	60 - 66*	6	Fine to Medium sand	Good
7.	66 - 75	9	Clay Kankar	
8.	75 - 82*	7	Fine sand	Good
9.	82 - 112	30	Clay Kankar	
10.	112 - 120	8	Fine sand	Good

**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 400 to 500 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**



0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120  
Depth (m)

Rho a  
 N 16(SN)  
 N 64(LN)  
 LAT  
 SP

Location: Logging at Ahluwalia Block  
 Uman, Dist. Budaun  
 Log No: UP/LOG/01/01/05  
 Date: 23 Apr 2022  
 Time: 15:05  
 Operator: Uman Gupta (AG)  
 Well Depth:

