

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:-A-1474

Date:- 22-08-2023

NAME OF SITE

GRAM PANCHAYAT- Bashundra

BLOCK- Usawan

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- BASHUNDRA, BLOCK- USAWAN, DISTT- BADAUN UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 140 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 in the above bore hole using IGIS Well Logger on 22.Aug.2023.

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 - 20	15	Dry sand	
3.	20 - 25	5	Clay kankar	
4.	25 - 44	19	Medium sand & kankar	Medium
5.	44 - 64	20	Clay kankar	
6.	64 - 80*	16	Medium sand	Medium
7.	80 - 105	25	Clay kankar	
8.	105 - 124*	19	Medium sand	Medium
9.	124 - 127	3	Clay kankar	
10.	127 - 131*	4	Medium sand	Medium
11.	131 - 140	9	Clay kankar	

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 tube well.
- 3 The Quality of water is expected Medium.
- 4 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.
5. 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

Report No. 103/S/02/22-23  
 Upper Depth 0  
 Lower Depth 140  
 DWP-2  
 Upper Depth 0  
 Lower Depth 140  
 GROUND WATER  
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