

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

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:- 158

Date:- 26-11-2022

**NAME OF SITE**

GRAM PANCHAYAT - Titoli

BLOCK- Sahaswan

DISTT- Badaun

**NAME OF AGENCY**

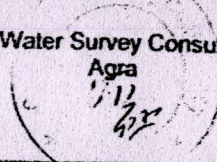
M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**  
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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy





# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- TITOLI, BLOCK- SAHASWAN, 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 26.Nov.2022.

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:-

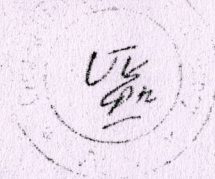
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Dry sand	
3.	18 - 25	7	Clay kankar	
4.	25 - 41	16	Medium sand	
5.	41 - 60	19	Clay kankar	Good
6.	60 - 75*	15	Medium sand	
7.	75 - 77	2	Kankar	Good
8.	77 - 89*	12	Medium sand	
9.	89 - 95	6	Clay kankar	Good
10.	95 - 100*	5	Medium sand	
11.	100 - 104	4	Clay Kankar	Good
12.	104 - 110*	6	Medium sand	
13.	110 - 116	6	Clay kankar	Good
14.	116 - 126*	10	Medium sand	
15.	126 - 130	4	Clay	Good
16.	130 - 140	10	Sandy Clay	



**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. 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**



