

# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- KANGAWAN GUGAUWA, BLOCK- SAHASWAN DISTT.- BADAUN UNDER JAL JIVAN MISSION

### Introduction :

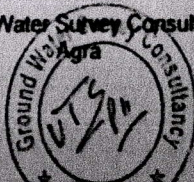
A Deep bore hole was drilled 123 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 10.Sep.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 - 20	15	Dry sand	
3.	20 - 40	20	Sandy clay	
4.	40 - 52	12	Fine to Medium sand	Good
5.	52 - 65	13	Clay kankar	
6.	65 - 73*	8	Medium sand	Good
7.	73 - 79	6	Clay kankar	
8.	79 - 90*	11	Medium sand	Good
9.	90 - 95	5	Clay kankar	
10.	95 - 112*	17	Medium sand	Good
11.	112 - 120	8	Clay kankar	

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**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 tube well.
3. The Quality of water is expected Good.
4. Expected discharge is 700 to 800 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.

**Geophysicist**



**Ground Water Survey Consultancy**

Logging VI  
 Gugauna Eliot  
 Salsivan Distt  
 Eudaim  
 LOGGRCUB  
 12 Sep 2022  
 11 56  
 Utearsh Gupta (C)

Rho a  
 N16 (SM)  
 N44(LN)  
 LAT

SP (m V)

