

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 600

Date:- 09-03-2022

NAME OF SITE

Gram Panchayat – Budhvayee

BLOCK- Jagat

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

Ground Water Survey Consultancy



For Dhruv Tubewell Engineers

Dhruv
Partner

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BUDHVAYEE, BLOCK- JAGAT, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

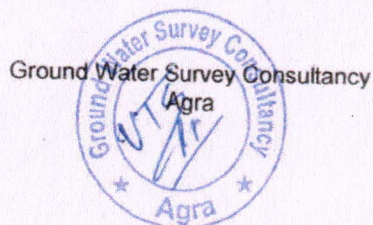
Introduction :

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.

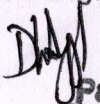
On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 09.Mar. 2022.

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 & Kankar	
3.	20 - 40	20	Sandy clay	
4.	40 - 45	5	Clay kankar	
5.	45 - 50	5	Fine to Medium sand	Medium
6.	50 - 54	4	Clay kankar	
7.	54 - 60*	6	Fine to Medium sand	Medium
8.	60 - 62	2	Clay kankar	
9.	62 - 73*	11	Medium sand	Medium
10.	73 - 75	2	Clay kankar	
11.	75 - 81*	6	Fine to Medium sand	Medium
12.	81 - 85	4	Clay kankar	
13.	85 - 91*	6	Fine to Med. sand & Kankar	Medium
14.	91 - 100	9	Clay kankar	
15.	100 - 105	5	Sand & Kankar	Medium
16.	105 - 110	5	Clay kankar	



For Dhruv Tubewell Engineers


Partner

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 Medium.
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

For Dhruv Tubewell Engineers

A handwritten signature in black ink, appearing to be "Dhruv".

Partner

For Dhruv Tubewell Engineers

Dhruv Partner

