

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS, TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 427

Date:- 12-02-2022

NAME OF SITE

Gram Panchayat- Dudhauni

BLOCK- Ambikapur

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SURVEY
Badaun



GROUND WATER SURVEY CONSULTANCY

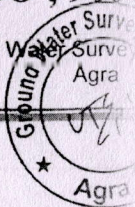
Electric Well Logging, Geophysical Resistivity Surveys, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DUDHAUNI, BLOCK- AMBIAPUR, 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 is conduct at above bore hole using IGIS Well Logger on 12.Feb.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 - 18	13	Dry Sand	
3.	18 - 30	12	Sandy Clay	
4.	30 - 40	10	Fine Sand	Medium
5.	40 - 50	10	Clay	
6.	50 - 63*	13	Fine to Medium Sand	Medium
7.	63 - 66	3	Clay Kankar	
8.	66 - 92*	26	Medium Sand	Medium
9.	92 - 105	13	Clay Kankar	
10.	105 - 133*	28	Fine to Medium sand	Medium
11.	133 - 140	7	Clay Kankar	

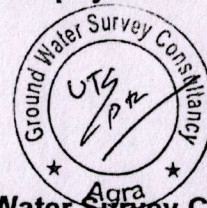
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Conclusions and Recommendations :-

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 tubewell.
3. The Quality of water is expected Medium.
4. Expected discharge is 1000 to 1100 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



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Rho a
 N16 (SN)
 NS4(LN)
 LAT

Logging VI
 Pudhauri Block
 Ambiapur Distt
 Buddaur
 LOGGIN/GUP
 12 Feb 2022
 10.24
 Uti ardr - Gupta IAGI

SP (mV)

