

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 281

Date:- 03-01-2022

NAME OF SITE

Gram Panchayat-Takhaura BLOCK-Asafpur DISTT-Badaun

NAME OF AGENCY

M/S PNC-SPML-JV
Badoun

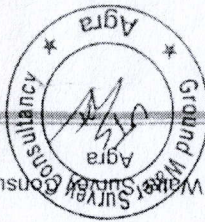


GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
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ISO ; 9001 : 2015

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For Bhagwati Borewell Prop

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT-TAKHAURA, BLOCK-ASAFPUR, DISTT.-BADAUN

UNDER

JAL JIVAN MISSION

Introduction:

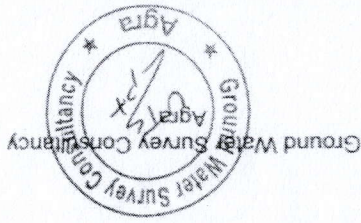
A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 109 mtrs. at above site. Was drilled by M/S PNC-SFML-JV, Badaun.

On the request of M/S PNC-SFML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 03.Jan.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 - 35	17	Sandy clay	
4.	35 - 50*	15	Fine to Medium sand	Good
5.	50 - 58	8	Clay kankar	
6.	58 - 74*	16	Medium sand	Good
7.	74 - 82	8	Clay kankar	
8.	82 - 109*	27	Fine to Med. sand & Kankar	Good



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For Bhagwati Borewell

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 tubewell
- 3 The Quality of water is expected Good
- 4 Expected discharge is 1200 to 1400 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.



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