

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-1899

Date:- 17-10-2023

NAME OF SITE

GRAM PANCHAYAT- Amritpur Titauli BOCK- Salarpur DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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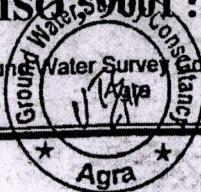
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AMRITPUR TITAU LI, BLOCK- SALARPUR, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

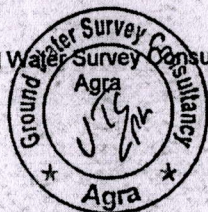
A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 17.Oct.2023.

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 - 10	5	Dry sand	
3.	10 - 21	11	Clay kankar	
4.	21 - 29	8	Medium sand	Medium
5.	29 - 33	4	Clay kankar	
6.	33 - 45	12	Medium sand	Medium
7.	45 - 55	10	Clay kankar	
8.	55 - 73*	18	Medium sand	Medium
9.	73 - 79	6	Clay kankar	
10.	79 - 85*	6	Medium sand	Medium
11.	85 - 90	5	Clay kankar	
12.	90 - 105*	15	Medium sand	Medium
13.	105 - 112	7	Clay kankar	
14.	112 - 114	2	Fine sand	
15.	114 - 119	7	Clay kankar	
16.	119 - 121	2	Sandy clay	
17.	121 - 130	9	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. 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.



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B Rho ρ
 N16 (S)
 N64(LN)
 LAT
 Logging Details
 1000 mg of Ammonia
 1000 mg of Boric acid
 2 ml Barium
 10 ml CaSO₄ 10%
 17 Oct 2013
 SA 18
 Shree G. Jha AGI

Logger S No
 GIS/S/01/21-22

B SP (m V)
 Logger Model
 DMDL-2
 Logger Owned by
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, India

