

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A-2468

Date:- 03-01-2024

NAME OF SITE

Gram Panchayat-Sirasaul Patti Seetaram BLOCK-Ambiyapur DISTT-Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badam

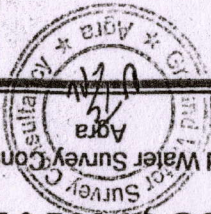


GROUND WATER SURVEY CONSULTANCY

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

Ground Water Survey Consultancy





REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT-SIRASUL PATTI SEETARAM, BLOCK- AMBIVAPUR,

DISTT.- BADAUN

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 135 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 03.Jan.2024.

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 - 15	10	Dry sand	
3.	15 - 20	5	Clay kankar	
4.	20 - 25	5	Fine sand	Medium
5.	25 - 31	6	Clay kankar	
6.	31 - 36	5	Fine sand	Medium
7.	36 - 42	6	Clay kankar	
8.	42 - 60	18	Fine sand	Medium
9.	60 - 66	6	Clay kankar	
10.	66 - 75*	9	Medium sand	Medium
11.	75 - 79	4	Clay kankar	
12.	79 - 110*	31	Medium sand & kankar	Medium
13.	110 - 120	10	Clay kankar	
14.	120 - 127*	7	Medium sand	Medium
15.	127 - 135	8	Clay kankar	



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 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.

Rho a
 N 16(SN)
 N 64(LN)
 LAT
 Location: Logging G2 Sarsau Part
 Sarsau Loc Area part
 Dist Badaun
 Log No.: UP LOG-NGUP
 Date: 03 Jun 2024
 Time: 18:28
 Operator: Uttaran Gatti (AS)
 Well Depth:

Logger S No.: IGIS/S/04/21-22

SP
 Logger Model: DMPL-2
 Logger Owned by:

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