

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-38

Date:- 03-05-2024

NAME OF SITE'1111

Gram Panchayat- Jati

BLOCK- Usawan

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

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JATI, BLOCK- USAWAN, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 138 mtrs. depth. and Logged depth 136 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 in the above bore hole using IGIS Well Logger on 03.May.2024.

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 - 23	18	Medium sand	
3.	23 - 48	25	Clay kankar	
4.	48 - 67*	19	Medium sand	Med to Good
5.	67 - 78	11	Clay kankar	
6.	78 - 90	12	Sandy clay	
7.	90 - 106	16	Clay kankar	
8.	106 - 120*	14	Medium sand	Med to Good
9.	120 - 122	2	Clay kankar	
10.	122 - 135*	13	Medium sand	Med to Good
11.	135 - 136	1	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 tube well.
3. The Quality of water is expected Medium to Good.
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.



Geologist

Rho a
 N 16(SN)
 N 64 (LN)
 LAT

Location: Logging gr Jar Bore
 Utman Ditt Budan
 Log No.: UP LOGENGUP
 Date: 09 May 2024
 Time: 13:37
 Observer: Usman Gada (AG)
 Well Depth:

logger SI No: IGIS/S/01/10-11

logger Model: SP
 DMP-L-2
 logger Owned by: Ground Water Survey Consultancy Agra UP India

