

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-2567

Date:- 01-02-2024

NAME OF SITE

Gram Panchayat- Bhau Nagla

BLOCK- Mion

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

Ground Water Survey Consultancy

Agra

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHAU NAGLA, BLOCK- MION, 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.

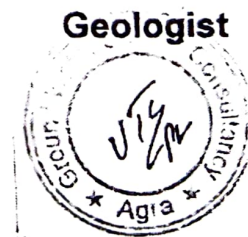
On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 01.Feb.2024.

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 - 18	13	Clay kankar	
3.	18 - 25	7	Medium sand	Medium
4.	25 - 31	6	Clay kankar	
5.	31 - 34	3	Medium sand	Medium
6.	34 - 47	13	Clay kankar	
7.	47 - 57*	10	Medium sand	Medium
8.	57 - 60	3	Clay kankar	
9.	60 - 66*	6	Medium sand	Medium
10.	66 - 80	14	Clay kankar	
11.	80 - 95*	15	Medium sand	Medium
12.	95 - 100	5	Clay kankar	
13.	100 - 107*	7	Medium sand	Medium
14.	107 - 119	12	Clay kankar	
15.	119 - 130*	11	Medium sand	Medium
16.	130 - 140	10	Clay kankar	

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.



Rno 2
 N16 (SN)
 N64(LIN)
 LAT

Logging Details
 Date: 01/21/22
 Time: 10:30 AM
 Location: ...
 Operator: ...

Log No: 5 No
 GISS/01/21-22

SP (mV)

Copper Voltage
 DMLP-2
 Survey Conducted by
 GROUND WATER
 SURVEY
 CONSULTANCY
 GPR, UP, India

