

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

C-38

Ref No:- 113

Date:- 20-04-2022

NAME OF SITE

Gram Panchayat- Sagrai

BLOCK- Sahaswan

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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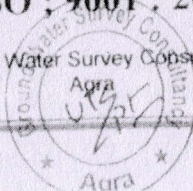
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 ; 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SAGRAI, BLOCK- SAHASWAN, DISTT. - BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 112 mtrs. depth and Logged depth 111 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 conducted at above bore hole using IGIS Well Logger on 20 Apr 2022.

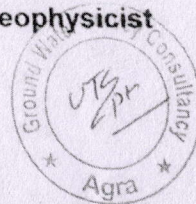
Logging Parameters - Self potential, short normal (N-16), Long Normal (N-64). Lateral Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

| S No | Depth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|------|----------------|--------------|--------------|------------------------|
| 1 | 0 - 5 | 5 | Surface soil | |
| 2 | 5 - 10 | 5 | Fine sand | |
| 3 | 10 - 15 | 5 | Clay kankar | |
| 4 | 15 - 20 | 5 | Fine sand | |
| 5 | 20 - 32 | 12 | Clay kankar | |
| 6 | 32 - 42 | 10 | Medium sand | Good |
| 7 | 42 - 55 | 13 | Clay kankar | |
| 8 | 55 - 63* | 8 | Medium sand | Good |
| 9 | 63 - 72 | 9 | Clay kankar | |
| 10 | 72 - 80* | 8 | Medium sand | Good |
| 11 | 80 - 87 | 7 | Clay kankar | |
| 12 | 87 - 98* | 11 | Medium sand | Good |
| 13 | 98 - 111 | 13 | 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 tube well.
3. The Quality of water is expected Good.
4. Expected discharge is 800 to 900 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.

Geophysicist



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