

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:- 341

Date:- 06-06-2022

NAME OF SITE

Gram Panchayat- Atarpur

BLOCK- Bisauli

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



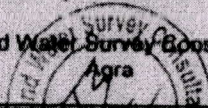
GROUND WATER SURVEY CONSULTANCY

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ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ATARPUR, BLOCK- BISAULI, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 125 mtrs. depth. and Logged depth 125 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 06.June.2022.

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 - 18 | 13 | Dry sand | |
| 3. | 18 - 30 | 12 | Clay kankar | |
| 4. | 30 - 42 | 12 | Very Fine sand | |
| 5. | 42 - 55 | 13 | Clay Kankar | |
| 6. | 55 - 72* | 17 | Fine to Med. Sand & Kankar | Good |
| 7. | 72 - 75 | 3 | Clay Kankar | |
| 8. | 75 - 83* | 8 | Medium Sand | Good |
| 9. | 83 - 88 | 5 | Clay Kankar | |
| 10. | 88 - 98* | 10 | Medium sand | Good |
| 11. | 98 - 110 | 12 | Clay Kankar | |
| 12. | 110 - 125* | 15 | Medium sand | Good |

Note:- Drilling will consider 120mtr. only as per DPR. J. Yadav
(PNC)



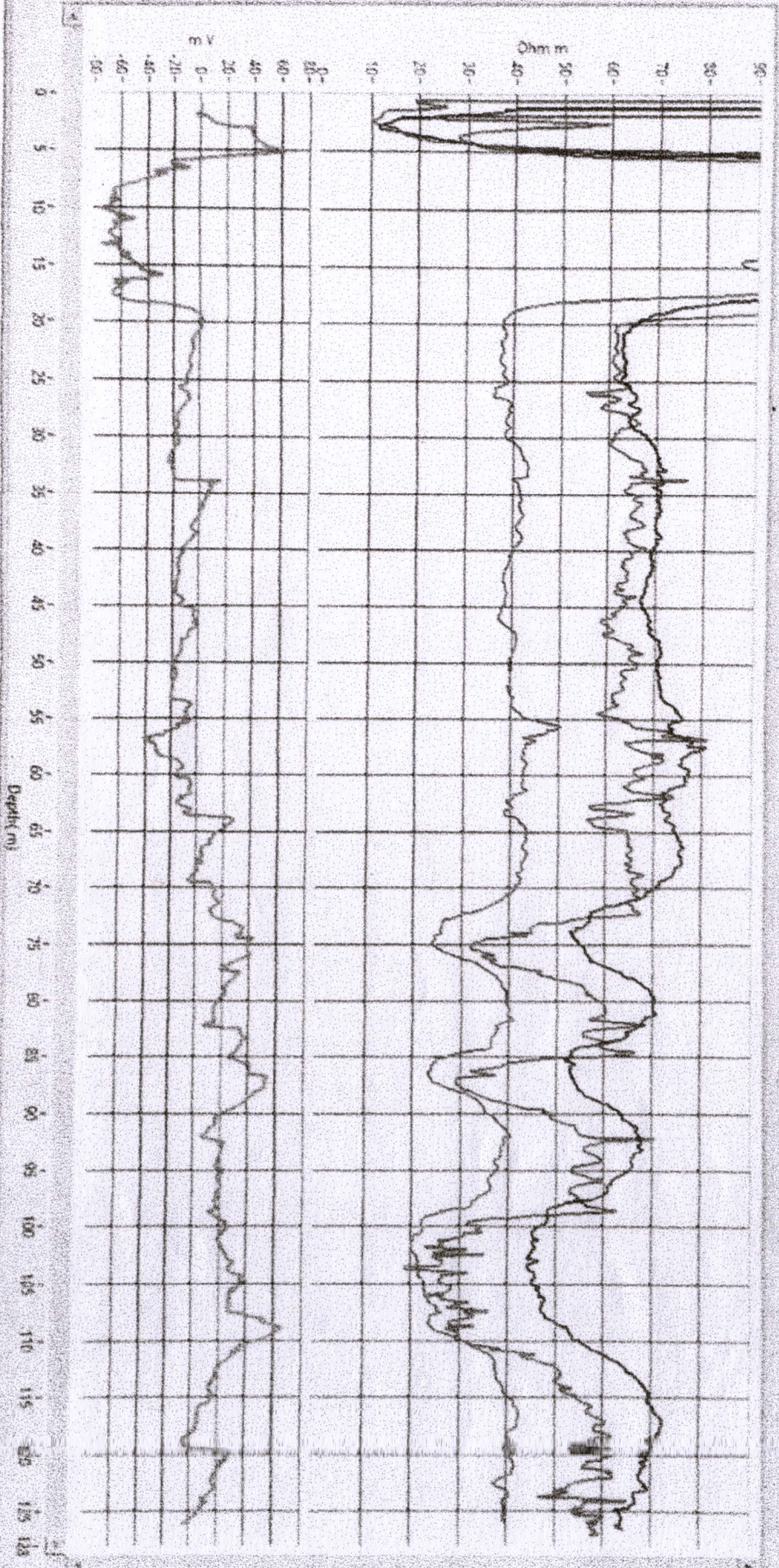
Ground Water Society Consultancy

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H 16-5M
 N 64 KM
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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 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.

