

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 504

Date:- 24-02-2022

NAME OF SITE

Gram Panchayat- Khitaura Bhagwant

BLOCK- Sahaswan

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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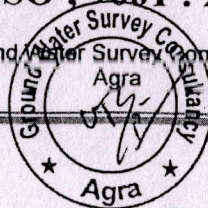
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

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

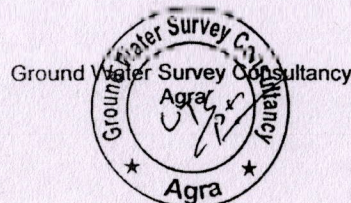
Introduction :

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 is conduct at above bore hole using IGIS Well Logger on 24.Feb.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:-

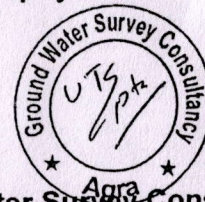
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface Soil	
2.	5 - 17	12	Dry sand	
3.	17 - 30	13	Clay kankar	
4.	30 - 40	10	Fine sand	
5.	40 - 50*	10	Fine to Medium sand	Medium
6.	50 - 65	15	Clay kankar	
7.	65 - 72*	7	Fine to Medium sand	Medium
8.	72 - 90	18	Clay kankar	
9.	90 - 110*	20	Medium sand	Medium
10.	110 - 140	30	Clay kankar	



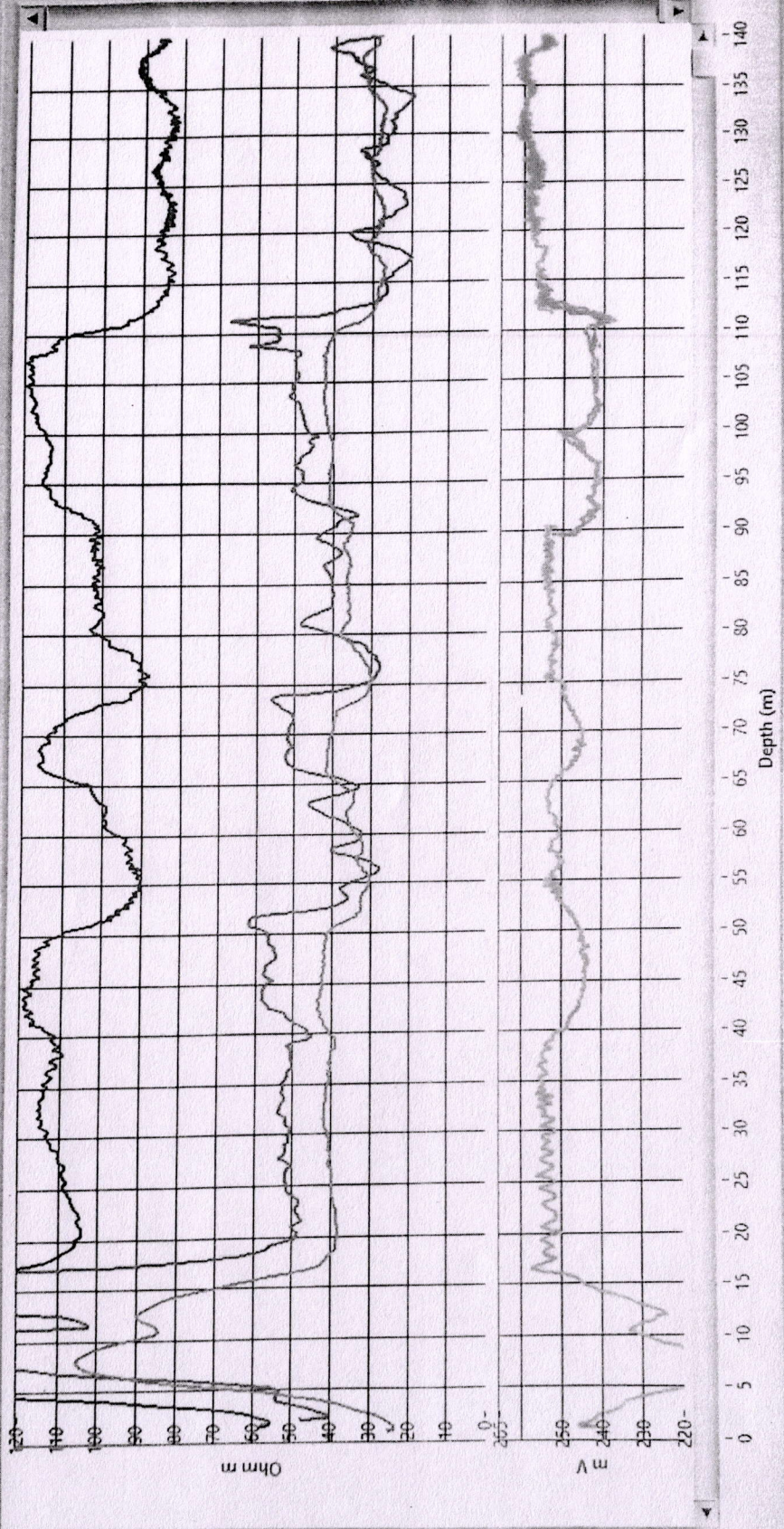
Conclusions and Recommendations :-

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. 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



Ground Water Survey Consultancy



Rho a
 N16 (SN)
 N64(LN)
 LAT

Logging VI Khitaura
 Bhagwant Elock
 Sanjwan Distt
 Badaun
 LOGSINGUp
 24 Feb 2022
 17.19
 Utkarsh Gupta (AG)

SP (mV)

