

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 42

Date:- 07-04-2022

NAME OF SITE

Gram Panchayat- Ujhauli

BLOCK- Jagat

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV

Badaun



GROUND WATER SURVEY CONSULTANCY

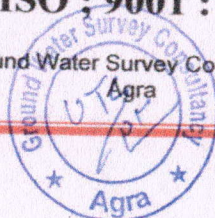
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO : 9001 : 2015

Ground Water Survey Consultancy



For Dhruv Tubewell Engineers

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- UJHAULI, BLOCK- JAGAT, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 121 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

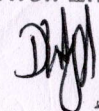
On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 07.Apr.2022.

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 - 21	16	Dry sand	
3.	21 - 34	13	Clay kankar	
4.	34 - 45	11	Fine to Med. sand & Kankar	Medium
5.	45 - 49	4	Clay kankar	
6.	49 - 79*	30	Medium sand	Medium
7.	79 - 82	3	Clay kankar	
8.	82 - 89*	7	Medium sand	Medium
9.	89 - 93	4	Clay kankar	
10.	93 - 98	5	Fine sand	Medium
11.	98 - 105	7	Clay kankar	
12.	105 - 115*	10	Medium sand	Medium
13.	115 - 120	5	Clay kankar	



For Dhruv Tubewell Engineers


Partner

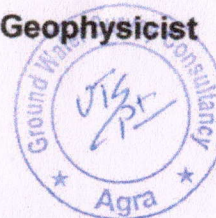
Conclusions and Recommendations :-

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 900 to 1000 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.

For Dhruv Tubewell Engineers

Dhruv
Partner

Geophysicist

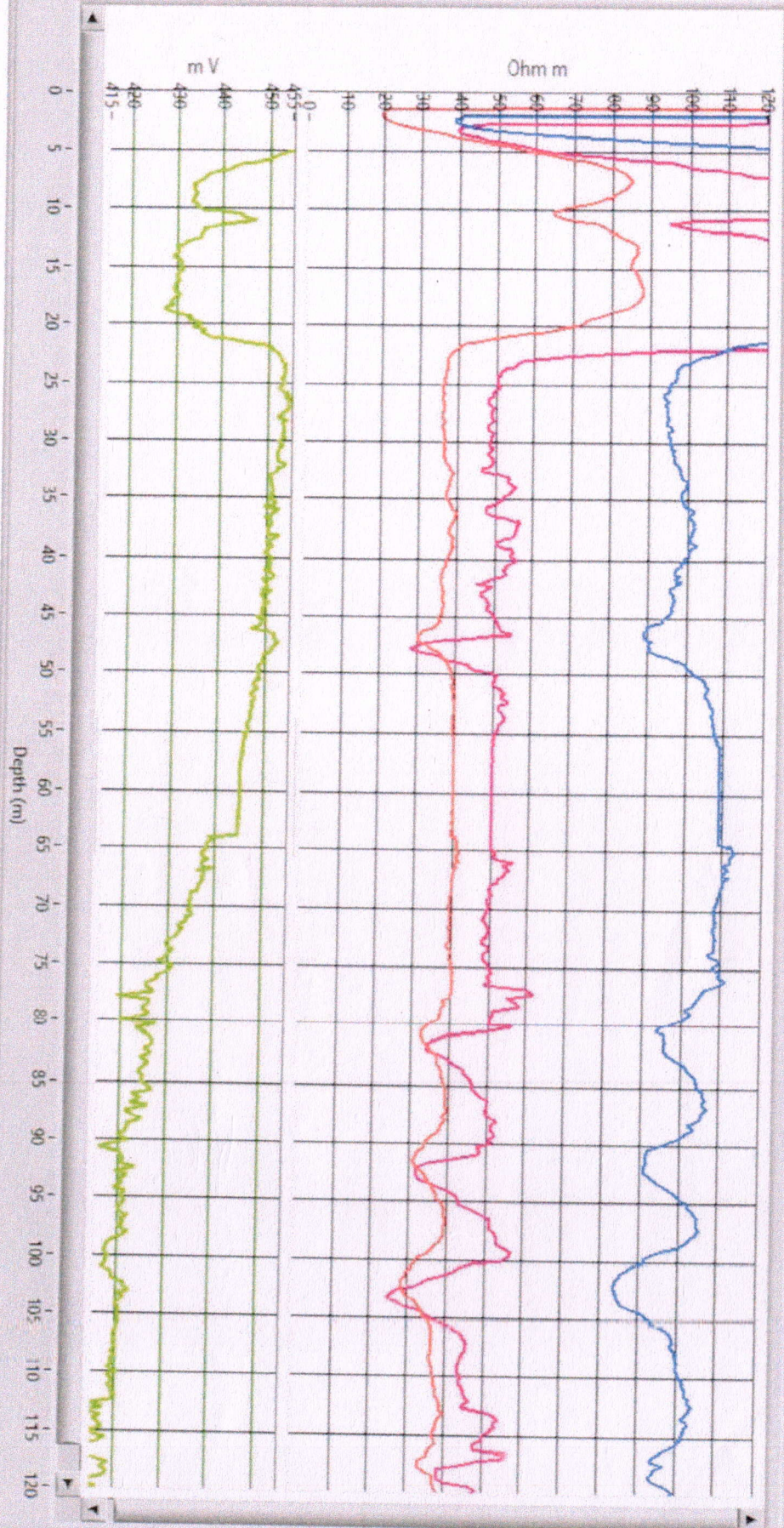


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Logging by Ujjwala
 Block Jagat Distt
 Budaur
 LOGGINGDOWN
 07 Apr 2022
 07:46
 Ujjwala Gupta (AG)

Rho a
 NT6 (SN)
 N64(LN)
 LAT

SP (mV)



For Dhruv Tubewell Engineers

Dhruv Partner