

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 12

Date:- 03-04-2022

NAME OF SITE

Gram Panchayat- Unaula 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.

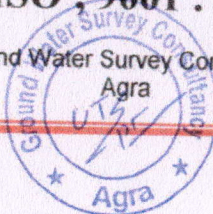
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ISO : 9001 : 2015

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For Dhruv Tubewell Engineers



[Signature]
Partner

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

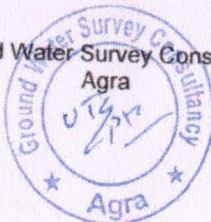
A Deep bore hole was drilled 141 mtrs. depth. and Logged depth 139 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 03.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 - 14	9	Clay Kankar	
3.	14 - 20	6	Dry Sand	
4.	20 - 30	10	Clay Kankar	
5.	30 - 44	14	Fine to Medium Sand	Good
6.	44 - 65	21	Clay Kankar	
7.	65 - 75*	10	Medium Sand	Good
8.	75 - 80	5	Clay kankar	
9.	80 - 90*	10	Fine to Medium Sand	Good
10.	90 - 110	20	Clay Kankar	
11.	110 - 121*	11	Fine to Medium Sand	Good
12.	121 - 139	18	Clay Kankar	

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Dhruv
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 Good.
4. Expected discharge is 600 to 700 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



Ground Water Survey Consultancy

For Dhruv Tubewell Engineers
Dhruv Partner

