

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2277

Date:- 29-11-2023

NAME OF SITE

GRAM PANCHAYAT- Gyoti Dharampur Karimpur Pachtaur
DISTT- Badaun

BLOCK- Mion

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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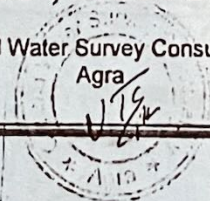
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GYOTI DHARAMPUR KARIMPUR PACHTAUR, BLOCK- MION,
DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

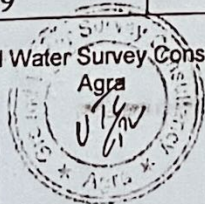
A Deep bore hole was drilled 150 mtrs. depth. and Logged depth 145 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 29.Nov.2023.

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	Clay kankar	
3.	10 - 20	10	Dry sand	
4.	20 - 30	10	Clay kankar	
5.	30 - 45	15	Medium sand	Medium
6.	45 - 53	8	Clay kankar	
7.	53 - 59*	6	Medium sand	Medium
8.	59 - 64	5	Clay kankar	
9.	64 - 77*	13	Medium sand	Medium
10.	77 - 87	10	Clay kankar	
11.	87 - 91*	4	Medium sand	Medium
12.	91 - 98	7	Clay kankar	
13.	98 - 106*	8	Medium sand	Medium
14.	106 - 119	13	Clay kankar	
15.	119 - 122*	3	Medium sand	Medium
16.	122 - 128	6	Clay kankar	
17.	128 - 136*	8	Medium sand	Medium
18.	136 - 145	9	Clay kankar	

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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. 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.
5. 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.

Geologist



Rho a
N16 (SN)
N64(LIN)
LAT

Logging Details
Logging ID: S02
Drillmaster: [unclear]
Equipment: [unclear]
Borehole: [unclear]
US: [unclear]
UTM: [unclear]
Latitude: [unclear]
Longitude: [unclear]

Logger: S1 Neo
LOGS: S/02/22-23

SP (mV)

Logger Model: DMAPL-2

Logger Owned by: GROUND WATER SURVEY CONSULTANCY AGRA, UP, INDIA

