

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT-LABHIGRI, BLOCK - KADAR CHAUK, DISTT. - BADAUN

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 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 21.Dec.2021.

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 - 12	7	Sandy clay	
3.	12 - 18	6	Clay	
4.	18 - 28	10	Fine to Medium sand	Good
5.	28 - 32	4	Clay	
6.	32 - 40	8	Fine sand	Good
7.	40 - 45	5	Clay kankar	
8.	45 - 52*	7	Fine to Medium sand	Good
9.	52 - 62	10	Clay kankar	
10.	62 - 85*	23	Fine to Medium sand	Good
11.	85 - 95	10	Clay kankar	
12.	95 - 110*	15	Medium sand	Good
13.	110 - 118	8	Clay kankar	
14.	118 - 122	4	Sandy clay	
15.	122 - 130	8	Clay kankar	
16.	130 - 136*	6	Fine to Medium sand	Good
17.	136 - 139	3	Clay kankar	

