

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No.-A-595

Date -22-05-2015

NAME OF SITE

GRAM PANCHAYAT- Asafpur

BLOCK- Mion

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY
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ISO ; 9001 : 2015

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT ASAPPUR, BLOCK MIRON, DISTT. BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 150 mtrs. depth and Logged depth 147 mtrs. at above site. Was drilled by M/S PNC-SPMI -JV, Badaun.

On the request of M/S PNC-SPMI -JV, Badaun, a Geophysical well Logging in the above bore hole using IGIS Well Logger on 22 May 2023.

Logging Parameters - Self potential, short normal (N-10), Long Normal (N-04), 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 - 36	26	Medium sand	Med to Good
4.	36 - 42	6	Clay kankar	
5.	42 - 78*	36	Medium sand	Med to Good
6.	78 - 85	7	Clay kankar	
7.	85 - 110*	25	Fine to Medium sand	Med to Good
8.	110 - 115	5	Clay kankar	
9.	115 - 125*	10	Fine to Medium sand	Med to Good
10.	125 - 130	5	Clay kankar	
11.	130 - 135	5	Fine sand	Med to Good
12.	135 - 147	12	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 to Good.
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.

Geophysicist



Ground Water Survey Consultancy



Jal Jeevan Mission
 GP - Asafpur Block - Mion District - Badaun
 AGENCY : M/S PNC SPML JV AGRA
 Tubewell Assembly Chart

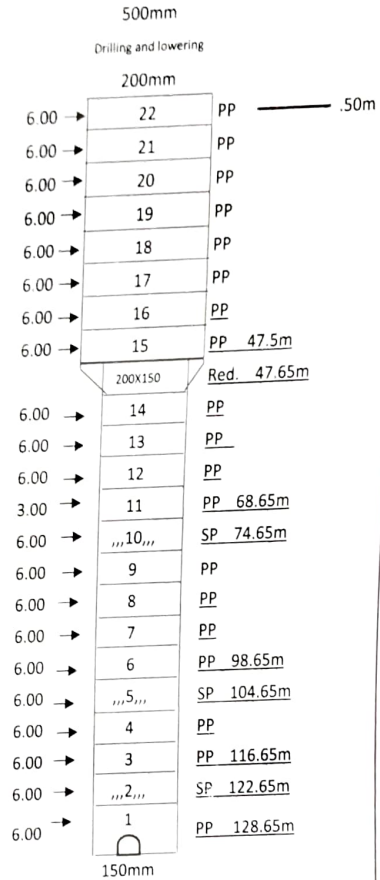


Date - 23-05-2023

Discharge - 470 LPM

S.No	In Meter
1	45 Mtr. - 75 Mtr.
2	88 Mtr. - 110 Mtr.
3	115 Mtr. - 125 Mtr.

STRATA
Medium Sand
Fine to Med Sand
Fine to Med Sand



1	Reduce 200X150mm	0.15m
2	AGL	0.50m
3	BGL	128.65m
4	Total assembly lower	129.15m
5	200mm Plain MS Pipe	48m
6	150mm Plain MS Pipe	63m
7	150mm slotted Pipe	18m
8	500dia Drilling Depth	50m
9	450dia Drilling Depth	80m
10	Drilling Depth	140m
11	Drilling logged	140m

PNC SPML JV

M/s B.L.G Construction Pvt. Ltd.
 TPIA

450mm

 JE AE EE
 (E&M) U P JAL NIGAM (RURAL) MORADABAD

29 June

Wed 27 180-185 Tue

Asabpur G.P w/o Scheme Under JIM Programme
Block-Mion Distt - Budauin

DT-23/05/23

D-140m (500x450)mmφ

L-130m (200x150)mmφ

Discharge - 470LPH

40m Head, 10HP

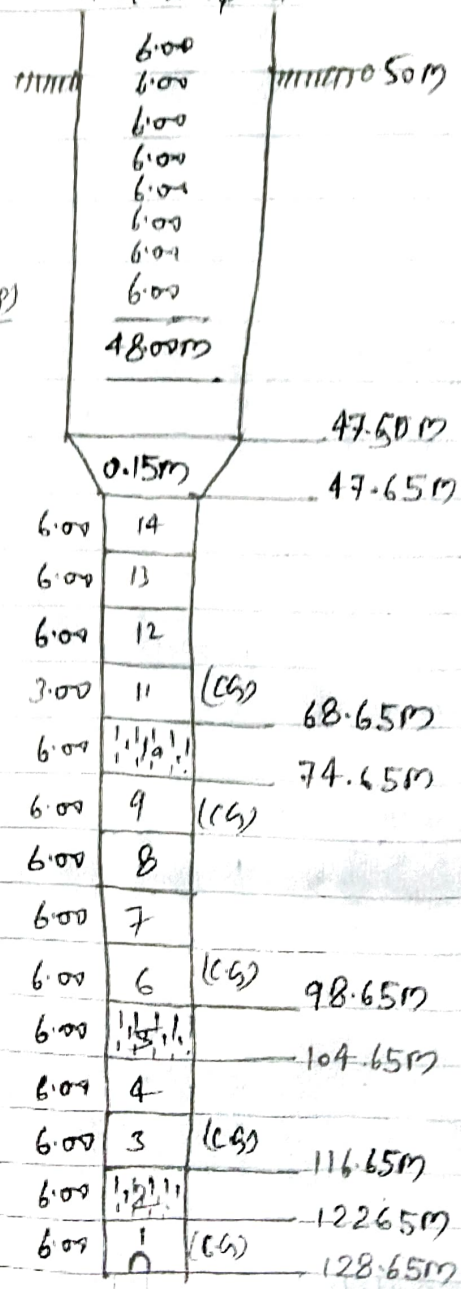
Stoata Ax for Logges -

- 45-78m - Medium Sand
- 88-110m - fine to med sand
- 115-125m - fine to med sand

← 200mmφ →

200mmφ (HP) 150mmφ (PP) 150mmφ (SP)

6.00	6.00	6.00
6.00	6.00	6.00
6.00	6.00	6.00
6.00	3.00	6.00
6.00	6.00	18.00m
6.00	6.00	
6.00	6.00	
6.00	6.00	
6.00	6.00	
6.00	6.00	
<u>48.00m</u>	<u>63.00m</u>	



200mmφ (HP) = 48.00m

150mmφ (PP) = 63.00m

✓ 150mmφ (SP) = 18.00m

(200x150)mmφ Red = 0.15m

Total = 129.15m

A.G.L = 0.50m

B.G.L = 128.65m

Total = 129.15m

JUNE 21

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

[Signature]

ASAF PUR

Page No.

Date

So. No.	Date	Depth		Sample Time		Sample No.	Lithology
		From	To	Start	Close		
1	22/05/23	0	3			1	Surface Soil
2	"	3	6			2	Clay Kan Kar
3	"	6	9			3	Clay Kan Kar
4	"	9	12			4	Med. Sand
5	"	12	15			5	
6	"	15	18			6	
7	"	18	21			7	
8	"	21	24			8	
9	"	24	27			9	
10	"	27	30			10	
11	"	30	33			11	
12	"	33	36			12	Med. Sand
13	"	36	39			13	clay Kan Kar
14	"	39	42			14	Clay Kan Kar
15	"	42	45			15	Med. Sand
16	"	45	48			16	
17	"	48	51			17	
18	"	51	54			18	
19	"	54	57			19	
20	"	57	60			20	
21	"	60	63			21	
22	"	63	66			22	
23	"	66	69			23	
24	"	69	72			24	
25	"	72	75			25	
26	"	75	78			26	Med. Sand
27	"	78	81			27	clay Kan Kar
28	"	81	84			28	Clay Kan Kar
29	22/05/23	84	87			29	fine to Med Sand

S.No.	Date	Depth		Sample Time		Sample No.	Lithology
		From	To	Start	Close		
30	22/05/23	87	90			30	Fine to Med Sand
31	"	90	93			31	"
32	"	93	96			32	"
33	"	96	99			33	"
34	"	99	102			34	"
35	"	102	105			35	"
36	"	105	108			36	Fine to Med. Sand
37	"	108	111			37	Clay Kankar
38	"	111	114			38	Fine to Med. Sand
39	"	114	117			39	
40	"	117	120			40	
41	"	120	123			41	Fine to Med Sand
42	"	123	126			42	Clay Kankar
43	"	126	129			43	Clay Kankar
44	"	129	132			44	Fine Sand
45	"	132	135			45	Fine Sand
46	"	135	138			46	Clay Kankar
47	"	138	141			47	Clay Kankar
48	"	141	144			48	Clay Kankar
49	22/05/23	144	147			49	Clay Kankar