

NCC
 UARY 2023 3

Kopalpur, Block-Lakshimpur

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 31
 W T F S S M T W T F S S M T W T F S S

42m³ 07

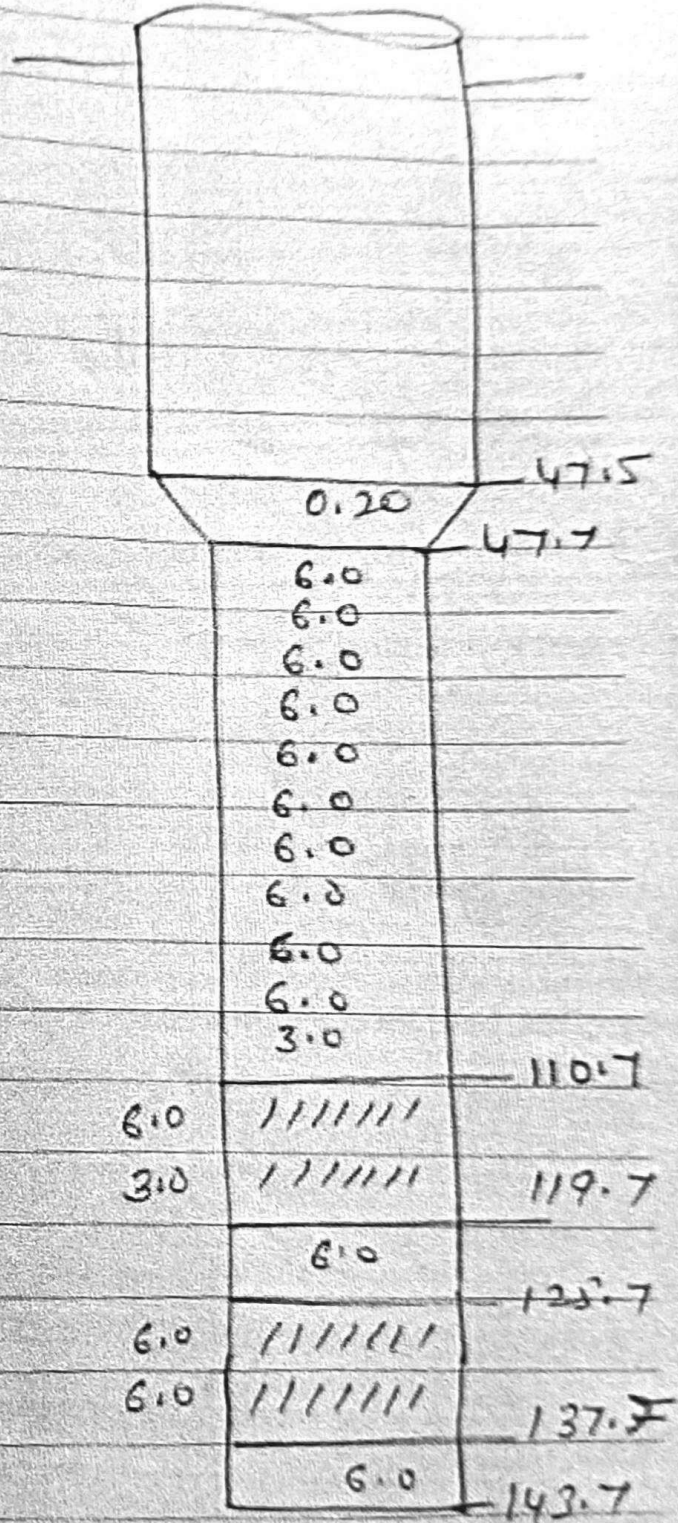
DECEMBER - WEDNESDAY

341-024 • VIK-50

Rq. dish - 630 cpm
 A. size - 300 x 150 mm.
 L. depth - 165 - 24

Ropt - 21 22/2

- 1. 45 - 57 = 12
- 65 - 78 = 13
- 110 - 121 = 11 → 9
- 125 - 140 = 15 → 12
- 142 - 150 = 10.



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GOPALPUR, BLOCK- LAKHIMPUR,
DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 170 mtrs. depth. and Logged depth 165 mtrs. at above site. Was drilled by M/s NCC, Lakhimpur Khiri.

On the request of M/s NCC, Lakhimpur Khiri. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 21.Dec.2022.

Logging Para meters - 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:-

Mud Resistivity = 24.65 Ohms.

Drilling Water Resistivity = 26.72 Ohms.

Approx Water Level = 4 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay	
3.	8 - 15	7	Fine to Medium sand	Good
4.	15 - 20	5	Clay kankar	
5.	20 - 38	18	Medium sand	Good
6.	38 - 45	7	Clay kankar	
7.	45 - 57*	12	Medium sand & kankar	Good
8.	57 - 65	8	Clay kankar	
9.	65 - 78*	13	Medium sand	Good
10.	78 - 87	9	Clay kankar	
11.	87 - 98	11	Kankar	Good
12.	98 - 110	12	Clay kankar	
13.	110 - 121*	11	Medium sand	Good
14.	121 - 125	4	Clay kankar	
15.	125 - 140*	15	Medium sand	Good
16.	140 - 142	2	Clay kankar	
17.	142 - 160*	18	Medium sand	Good
18.	160 - 165	5	Clay kankar	



Logging performed
as per SWSM guidelines
- Groundwater quality
interpreted by form as
per the logger
calibration
G.Sh
24/12/22
Scanned with CamScanner