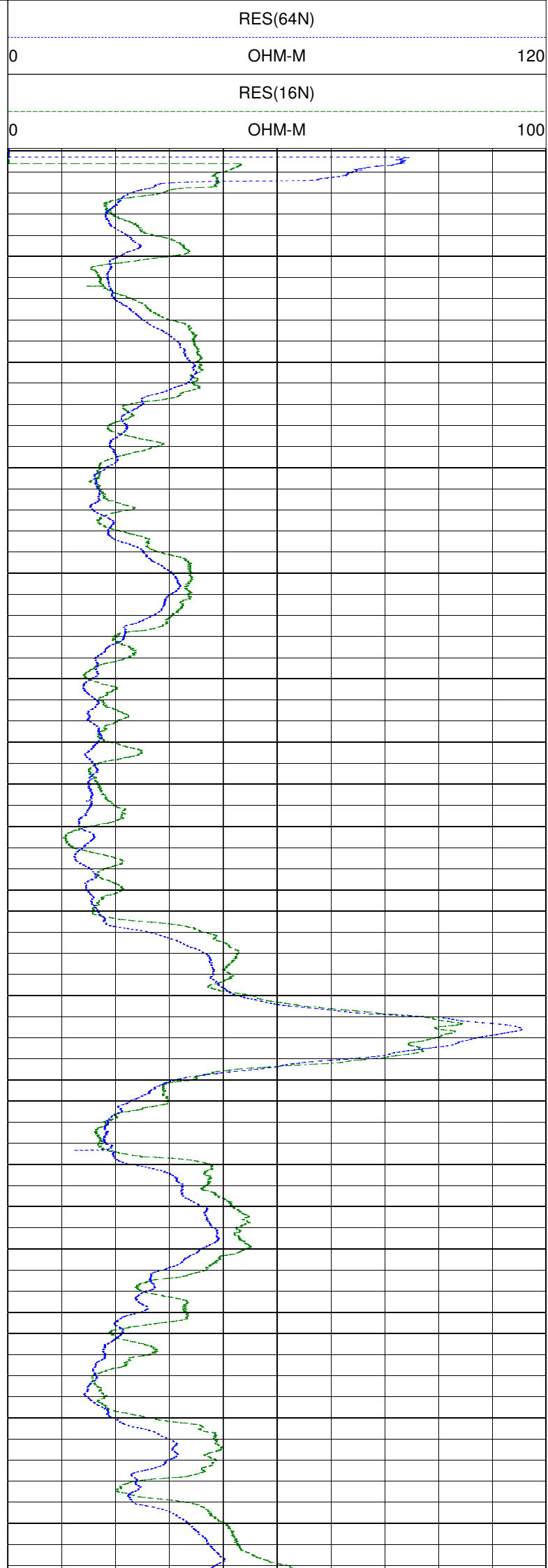
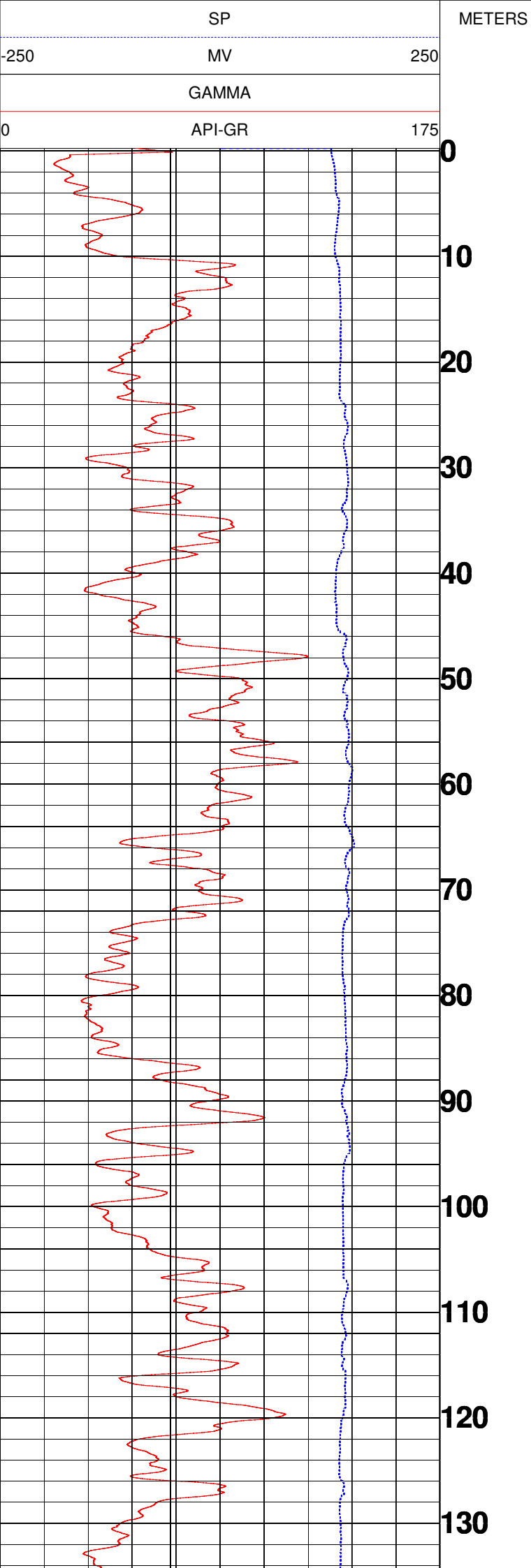


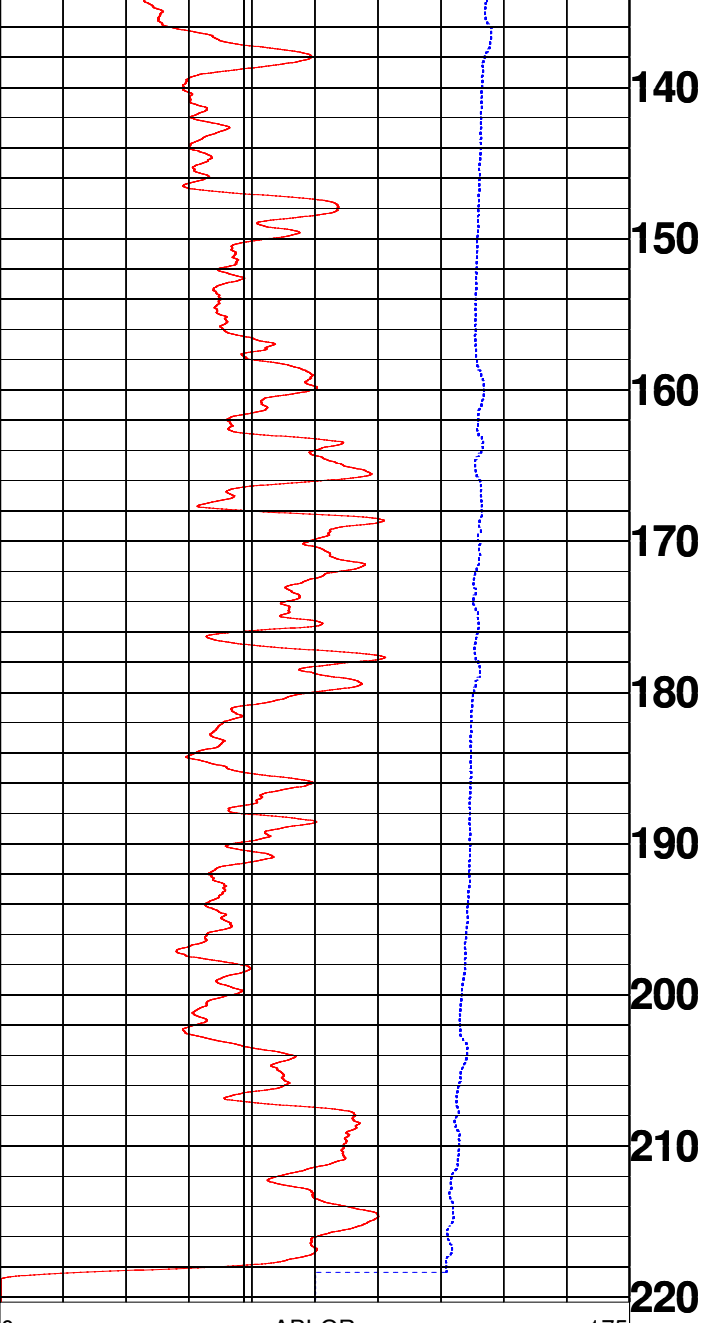


MAPL

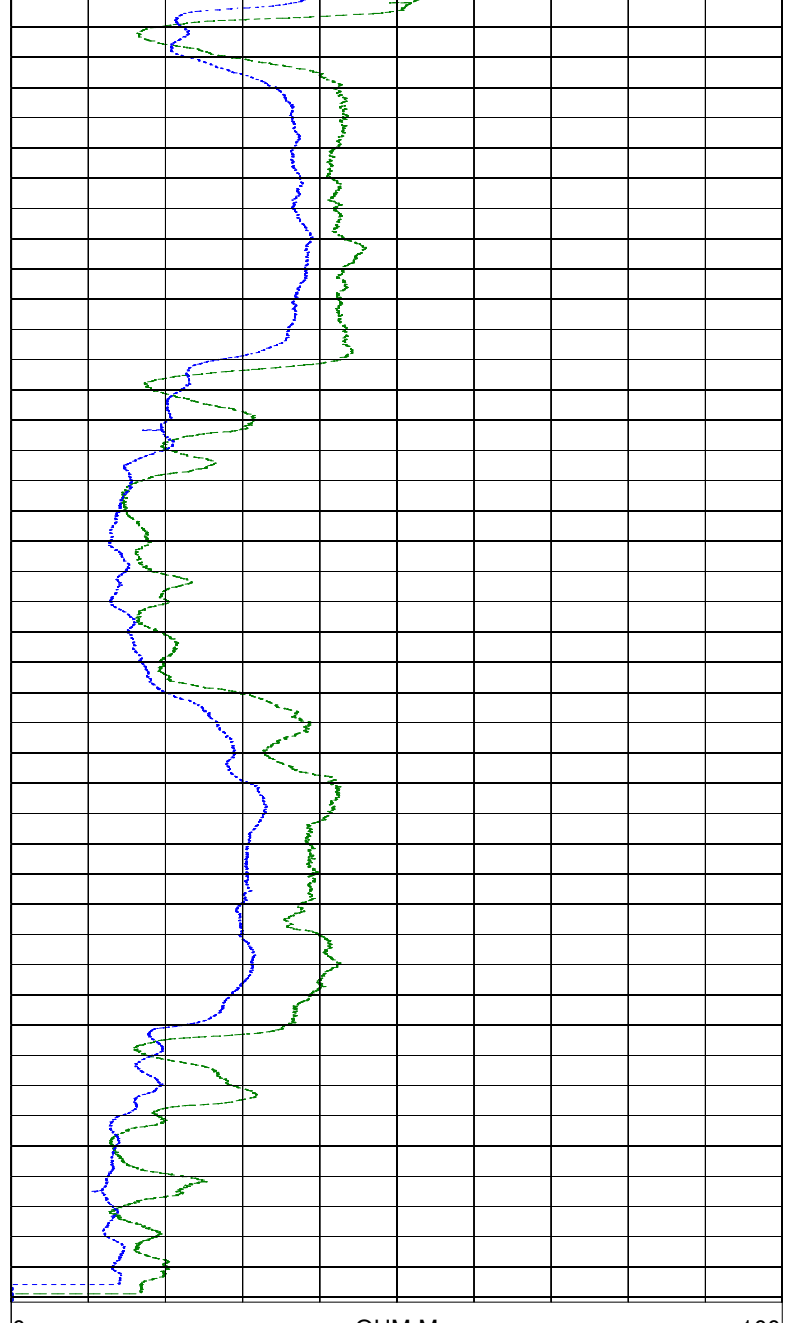
UMARIYA,NAWABGANJ

COMPANY : SHIV DRILLERS		OTHER SERVICES:
WELL : UMARIYA,NAWABGANJ		DEPTH
FIELD : NAWABGANJ		SCALE
COUNTY : INDIA		1:200
STATE : UP		
LOCATION :		
SECTION :		
TOWNSHIP :		
RANGE :		
API NO. :		
UNIQUE WELL ID. :		
PERMANENT DATUM : MSL	ELEVATION KB :	
LOG MEASURED FROM: GL	ELEVATION DF :	
DRL MEASURED FROM: GL	ELEVATION GL :	
DATE : 04/24/22	RIG NUMBER :	
DEPTH DRILLER : 220	LOGGER TD :	
BIT SIZE : 12	ARRIVAL TIME :	
LOG TOP : -0.24	DEPARTURE TIME:	
LOG BOTTOM : 220.27	CIRC STOPPED :	
CASING OD :		
CASING BOTTOM : 0		
CASING TYPE :		
BOREHOLE FLUID : MUD		
RM TEMPERATURE :		
MUD RES :		
MUD WEIGHT :		
WITNESSED BY : SHIV DRILLERS		
RECORDED BY : ASHOK KUMAR		
REMARKS 1 :		
REMARKS 2 : NQ SIZE		
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS		





0	API-GR	175
GAMMA		
-250	MV	250
SP		
METERS		



0	OHM-M	100
RES(16N)		
0	OHM-M	120
RES(64N)		



MINING ASSOCIATES PVT. LTD.

GEOPHYSICAL DIGITAL LOGGING REPORT

SITE:	UMARIYA	DATE OF LOGGING:	24.04.2022
BLOCK:	NAWABGANJ	DRILLING DEPTH:	220.00M
STATE:	UTTAR PRADESH	LOGGING DEPTH:	220.27M
ENGINEER:	ASHOK KUMAR	LOGGING COMPANY:	Mining Associates Pvt. Ltd.

AQUIFER:-

The depth zones with high resistivity and relatively low Natural Gamma radioactivity values are referred as Aquifer Zones.

CLAY:-

The depth zones with less resistivity and relatively high Natural Gamma radioactivity values are referred as Clay zones.

NOTE:- These values are only indicative. The thin clay or sand layer does not reveal its actual resistivity value

Sl. No.	Depth		Thickness (m)	Inferred lithology	Remark(Quality of Aquifer Water)
	From (m)	To (m)			
1	0	4	4	Top Soil	
2	4	10	6	Coares grain sand	Good
3	10	13.5	3.5	Clay	
4	13.5	16.5	3	Fine grain sand	Medium
5	16.5	24	7.5	Coares grain sand	Good
6	24	27.5	3.5	Medium to fine grain sand	Good
7	27.5	31.5	4	Medium grain sand	Good
8	31.5	34.5	3	Medium to fine grain sand	Good
9	34.5	39	4.5	Fine grain sand	Medium
10	39	46.5	7.5	Coares grain sand	Good
11	46.5	65	18.5	Clay with sand	
12	65	68	3	Medium to fine grain sand	Good
13	68	71.5	3.5	Clay with sand	
14	71.5	73	1.5	Fine grain sand	Medium
15	73	86.5	13.5	Coares grain sand	Good
16	86.5	90.5	4	Medium to fine grain sand	Good
17	90.5	92.5	2	Clay	
18	92.5	105	12.5	Medium grain sand	Good
19	105	116	11	Fine grain sand	Medium
20	116	117.5	1.5	Medium grain sand	Good
21	117.5	122	4.5	Clay	
22	122	126	4	Medium grain sand	Good
23	126	128	2	Clay	
24	128	137	9	Coares grain sand	Good
25	137	139	2	Clay	
26	139	147	8	Medium grain sand	Good
27	147	150	3	Fine grain sand	Medium
28	150	156.5	6.5	Medium grain sand	Good
29	156.5	180.5	24	Fine to medium grain sand	Medium
30	180.5	185.5	5	Medium grain sand	Good
31	185.5	191.5	6	Medium to fine grain sand	Good
32	191.5	203.5	12	Medium grain sand	Good
33	203.5	207.5	4	Fine grain sand	Medium
34	207.5	220	12.5	Clay with sand	

For Mining Associates Pvt. Ltd.

Ashok Kumar
Geophysicist