

Table 5A
Groundwater Field Parameters
H. C. Drew Estate vs Neumin Production Company and Stokes Spiehler, Inc.
North Choupique Field
Calcasieu Parish, Louisiana

Well ID								
MW-1								
Date	9/9/2021							
DTW (ft btoc)	3.56 (before cutting PVC pipe to final height)							
TD (ft btoc)	14.90 (before cutting PVC pipe to final height)							
Stickup (ft)	~2 (before cutting PVC pipe to final height)							
Method	Peristaltic Pump							
Time	pH	DO (mg/L)	SC (µS/cm)	Temp (°C)	Turb (NTU)	ORP (mV)	Vol (gal)	DTW (ft)
0850	pump on							
0851	6.28	3.37	1021	25.4	47.5	101.9	0	-
0854	5.94	-	1011	24.6	11.7	93.6	0.5	5.81
0857	5.88	-	875	24.5	7.86	88.3	1	5.83
0901	5.85	0.37	910	24.6	3.93	83	1.5	5.84
0906	5.84	-	889	24.6	2.8	80.4	2	5.85
0913	5.83	0.31	882	24.6	2.11	79.1	2.5	5.84
0918	5.82	0.25	878	24.6	2.33	78.8	3	5.84
0919	pump off							
0925	pack up at MW-1, going to sample later							
9/10/2021								
0955	Set up to sample MW-1, DTW=1.65' btoc, TD=12.54' btoc							
1005	Sample MW-1							
1019	Finish sampling MW-1							
Well ID								
MW-2								
Date	9/10/2021							
DTW (ft btoc)	2.72							
TD (ft btoc)	13.47							
Stickup (ft)	Flushmount							
Method	Peristaltic Pump							
Time	pH	DO (mg/L)	SC (µS/cm)	Temp (°C)	Turb (NTU)	ORP (mV)	Vol (gal)	DTW (ft)
0850	pump on							
0851	6.54	1.76	1194	23.9	497	147.5	0	-
0856	6.58	0.97	1198	24.1	232	84.7	0.5	6.26
0900	6.54	0.44	1182	24.1	250	59.1	1	6.51
0905	6.51	0.27	1174	24.0	6.37	54.7	1.5	6.55
0911	6.51	0.19	1166	24.0	4.30	50.5	2	6.63
0916	6.51	0.16	1162	24.1	3.44	48.7	2.5	6.71
0921	6.52	0.23	1165	24.1	4.17	45.5	3	6.78
0930	MW-2 sampling time							
0940	Finished sampling MW-2							

Table 5A
Groundwater Field Parameters
H. C. Drew Estate vs Neumin Production Company and Stokes Spiehler, Inc.
North Choupique Field
Calcasieu Parish, Louisiana

Well ID		MW-3							
Date	9/9/2021								
DTW (ft btoc)	1.88								
TD (ft btoc)	13.56								
Stickup (ft)	Flushmount								
Method	Peristaltic Pump								
Time	pH	DO (mg/L)	SC (µS/cm)	Temp (°C)	Turb (NTU)	ORP (mV)	Vol (gal)	DTW (ft)	
1011	pump on								
1012	6.69	6.92	751	24.5	517	150.9	0	-	
1015	6.60	2.54	738	25.0	872	142.2	0.5	10.11	
1020	6.44	2.26	710	24.2	81.1	110.8	1	10.29	
1026	6.32	1.41	640	24.1	536	84.6	1.5	11.42	
1029	6.36	1.52	639	24.6	261	79.1	1.75	10.25	
	Flow rate lowered dramatically								
1035	6.25	1.25	627	24.7	19.9	67.8	2	9.05	
1046	6.21	8.80	616	25.1	6.96	60.9	2.5	7.66	
1100	6.22	1.02	612	24.3	36.5	59.4	3	9.52	
1101	pump off								
1110	Mob to wellhead area, will sample later								
1600	Sampling MW-3, DTW=2.47' btoc, TD=13.51' btoc before beginning								
1620	Finished sampling MW-3, DTW=11.07'								
Well ID		MW-4							
Date	9/9/2021								
DTW (ft btoc)	4.02 (before cutting PVC pipe to final height)								
TD (ft btoc)	14.89 (before cutting PVC pipe to final height)								
Stickup (ft)	Flushmount								
Method	Peristaltic Pump								
Time	pH	DO (mg/L)	SC (µS/cm)	Temp (°C)	Turb (NTU)	ORP (mV)	Vol (gal)	DTW (ft)	
0807	pump on								
0811	6.37	3.13	1620	24.2	109	194.5	0	-	
0815	6.29	3.21	1609	23.9	20.9	117.0	0.5	6.3	
0817	6.30	1.72	1612	23.9	336	94.0	1	6.3	
0822	6.30	1.02	1580	23.9	4.49	78.4	1.5	6.33	
0826	6.30	0.79	1562	23.9	6.17	69.7	2	6.4	
0830	6.30	0.60	1559	23.9	6.41	64.5	2.5	6.4	
0835	6.30	0.48	1556	23.9	3.43	59.7	3	6.35	
0836	pump off, will sample later								
1445	MW-4 sample taken								
1455	Finished sampling MW-4								
	DTW after sampling= 3.75' btoc, DTW before sampling=2.68' btoc w/TD=13.41' btoc								

Table 5A
Groundwater Field Parameters
H. C. Drew Estate vs Neumin Production Company and Stokes Spiehler, Inc.
North Choupique Field
Calcasieu Parish, Louisiana

Well ID		SE-SB36							
Date	11/18/2021								
DTW (ft btoc)	2.99								
TD (ft btoc)	14.60								
Stickup (ft)	Flushmount								
Method	Peristaltic Pump								
Time	pH	DO (mg/L)	SC (μ S/cm)	Temp (°C)	Turb (NTU)	ORP (mV)	Vol (gal)	DTW (ft)	
1208	Pump on								
1208	6.50	-	1110	21.1	-	-	0	-	
1212	6.48	-	1050	21.6	-	-	0.5	-	
1215	6.52	-	1050	22.0	-	-	1	-	
1217	6.57	-	1040	22.0	-	-	1.5	-	
1220	6.61	-	1040	22.1	-	-	2	-	
1223	6.65	-	1040	22.3	-	-	2.5	-	
1225	6.68	-	1050	22.2	-	-	3	-	
1228	6.72	-	1050	22.2	-	-	3.5	-	
1231	6.70	-	1060	22.3	-	-	4	-	
1234	6.75	-	1070	22.2	-	-	4.5	-	
1237	6.75	-	1070	22.2	-	-	5	-	
1245	Sample SE-SB36								
Well ID		SE-SB35							
Date	11/18/2021								
DTW (ft btoc)	2.61								
TD (ft btoc)	14.80								
Stickup (ft)	Flushmount								
Method	Peristaltic Pump								
Time	pH	DO (mg/L)	SC (μ S/cm)	Temp (°C)	Turb (NTU)	ORP (mV)	Vol (gal)	DTW (ft)	
1311	Pump on								
1311	6.65	-	1110	20.2	-	-	0	-	
1316	6.58	-	1040	22.1	-	-	0.5	-	
1318	6.37	-	1050	22.2	-	-	1	-	
1321	6.32	-	1050	22.3	-	-	1.5	-	
1323	6.34	-	1050	22.3	-	-	2	-	
1326	6.34	-	1060	22.3	-	-	2.5	-	
1329	6.37	-	1060	22.2	-	-	3	-	
1331	6.34	-	1050	22.2	-	-	3.5	-	
1335	6.36	-	1060	22.2	-	-	4	-	
1338	6.36	-	1050	22.1	-	-	4.5	-	
1340	6.36	-	1050	22.2	-	-	5	-	
1345	Sample SE-SB35								