**Table 4: Least Square Estimates of the Treatments.** 

			L	_east Squa	res Means						
Effect	Temperature	Water	Oil	Estimate	Standard	DF	t Value	Pr >  t	Alpha	Lower	Upper
					Error						
Temperature	20			1485.63	6.635	8	223.91	<.0001	0.05	1470.32	1500.93
Temperature	45			1330.5	6.635	8	200.53	<.0001	0.05	1315.2	1345.8
Water		960		1352.13	6.635	8	203.79	<.0001	0.05	1336.82	1367.43
Water		1120		1464	6.635	8	220.65	<.0001	0.05	1448.7	1479.3
Oil			0	1425.13	6.635	8	214.79	<.0001	0.05	1409.82	1440.43
Oil			15	1391	6.635	8	209.65	<.0001	0.05	1375.7	1406.3
Temperature*Water	20	960		1459.25	9.3833	8	155.52	<.0001	0.05	1437.61	1480.89
Temperature*Water	20	1120		1512	9.3833	8	161.14	<.0001	0.05	1490.36	1533.64
Temperature*Water	45	960		1245	9.3833	8	132.68	<.0001	0.05	1223.36	1266.64
Temperature*Water	45	1120		1416	9.3833	8	150.91	<.0001	0.05	1394.36	1437.64
Temperature*Oil	20		0	1516.25	9.3833	8	161.59	<.0001	0.05	1494.61	1537.89

Temperature*Oil	20		15	1455	9.3833	8	155.06	<.0001	0.05	1433.36	1476.64
Temperature*Oil	45		0	1334	9.3833	8	142.17	<.0001	0.05	1312.36	1355.64
Temperature*Oil	45		15	1327	9.3833	8	141.42	<.0001	0.05	1305.36	1348.64
Water*Oil		960	0	1354	9.3833	8	144.3	<.0001	0.05	1332.36	1375.64
Water*Oil		960	15	1350.25	9.3833	8	143.9	<.0001	0.05	1328.61	1371.89
Water*Oil		1120	0	1496.25	9.3833	8	159.46	<.0001	0.05	1474.61	1517.89
Water*Oil		1120	15	1431.75	9.3833	8	152.58	<.0001	0.05	1410.11	1453.39
Temperatur*Water*Oil	20	960	0	1478	13.27	8	111.38	<.0001	0.05	1447.4	1508.6
Temperatur*Water*Oil	20	960	15	1440.5	13.27	8	108.55	<.0001	0.05	1409.9	1471.1
Temperatur*Water*Oil	20	1120	0	1554.5	13.27	8	117.14	<.0001	0.05	1523.9	1585.1
Temperatur*Water*Oil	20	1120	15	1469.5	13.27	8	110.74	<.0001	0.05	1438.9	1500.1

Temperatur*Water*Oil	45	960	0	1230	13.27	8	92.69	<.0001	0.05	1199.4	1260.6
Temperatur*Water*Oil	45	960	15	1260	13.27	8	94.95	<.0001	0.05	1229.4	1290.6
Temperatur*Water*Oil	45	1120	0	1438	13.27	8	108.36	<.0001	0.05	1407.4	1468.6
Temperatur*Water*Oil	45	1120	15	1394	13.27	8	105.05	<.0001	0.05	1363.4	1424.6

**Table 5: Tukey Adjusted Treatment Means Comparisons.** 

Effect	Temperature	Water	Oil	_Temperature	_Water	_Oil	Estimate	Standard	Adjustment	Adj P
								Error		
Temperature	20			45			155.13	9.3833	Tukey	<.0001
Water		960			1120		-111.88	9.3833	Tukey	<.0001
Oil			0			15	34.125	9.3833	Tukey	0.0066
Temperature*Water	20	960		20	1120		-52.75	13.27	Tukey	0.0172
Temperature*Water	20	960		45	960		214.25	13.27	Tukey	<.0001

Temperature*Water	20	960		45	1120		43.25	13.27	Tukey	0.0462
Temperature*Water	20	1120		45	960		267	13.27	Tukey	<.0001
Temperature*Water	20	1120		45	1120		96	13.27	Tukey	0.0004
Temperature*Water	45	960		45	1120		-171	13.27	Tukey	<.0001
Temperature*Oil	20		0	20		15	61.25	13.27	Tukey	0.0075
Temperature*Oil	20		0	45		0	182.25	13.27	Tukey	<.0001
Temperature*Oil	20		0	45		15	189.25	13.27	Tukey	<.0001
Temperature*Oil	20		15	45		0	121	13.27	Tukey	<.0001
Temperature*Oil	20		15	45		15	128	13.27	Tukey	<.0001
Temperature*Oil	45		0	45		15	7	13.27	Tukey	0.95

	960	0		960	15	3.75	13.27	Tukey	0.9915
	960	0		1120	0	-142.25	13.27	Tukey	<.0001
	960	0		1120	15	-77.75	13.27	Tukey	0.0017
	960	15		1120	0	-146	13.27	Tukey	<.0001
	960	15		1120	15	-81.5	13.27	Tukey	0.0012
	1120	0		1120	15	64.5	13.27	Tukey	0.0055
20	960	0	20	960	15	37.5	18.7667	Tukey	0.5332
20	960	0	20	1120	0	-76.5	18.7667	Tukey	0.043
20	960	0	20	1120	15	8.5	18.7667	Tukey	0.9996
20	960	0	45	960	0	248	18.7667	Tukey	<.0001
20	960	0	45	960	15	218	18.7667	Tukey	<.0001
20	960	0	45	1120	0	40	18.7667	Tukey	0.4674
	20 20 20	960 960 960 960 1120 20 960 20 960 20 960 20 960	960 0 960 0 960 15 960 15 1120 0 20 960 0 20 960 0 20 960 0	960 0 960 0 960 15 960 15 1120 0 20 960 0 20 20 960 0 20 20 960 0 45 20 960 0 45	960       0       1120         960       0       1120         960       15       1120         960       15       1120         1120       0       1120         20       960       0       20       960         20       960       0       20       1120         20       960       0       20       1120         20       960       0       45       960         20       960       0       45       960         20       960       0       45       960	960       0       1120       0         960       0       1120       15         960       15       1120       0         960       15       1120       15         1120       0       1120       15         20       960       0       20       960       15         20       960       0       20       1120       0         20       960       0       20       1120       15         20       960       0       45       960       0         20       960       0       45       960       0         20       960       0       45       960       15	960       0       1120       0       -142.25         960       0       1120       15       -77.75         960       15       1120       0       -146         960       15       1120       15       -81.5         1120       0       1120       15       64.5         20       960       0       20       960       15       37.5         20       960       0       20       1120       0       -76.5         20       960       0       20       1120       15       8.5         20       960       0       45       960       0       248         20       960       0       45       960       15       218	960       0       1120       0       -142.25       13.27         960       0       1120       15       -77.75       13.27         960       15       1120       0       -146       13.27         960       15       1120       15       -81.5       13.27         1120       0       1120       15       64.5       13.27         20       960       0       20       960       15       37.5       18.7667         20       960       0       20       1120       0       -76.5       18.7667         20       960       0       20       1120       15       8.5       18.7667         20       960       0       45       960       0       248       18.7667         20       960       0       45       960       15       218       18.7667	960       0       1120       0       -142.25       13.27       Tukey         960       0       1120       15       -77.75       13.27       Tukey         960       15       1120       0       -146       13.27       Tukey         960       15       1120       15       -81.5       13.27       Tukey         1120       0       15       64.5       13.27       Tukey         20       960       0       20       960       15       37.5       18.7667       Tukey         20       960       0       20       1120       0       -76.5       18.7667       Tukey         20       960       0       20       1120       15       8.5       18.7667       Tukey         20       960       0       45       960       0       248       18.7667       Tukey         20       960       0       45       960       15       218       18.7667       Tukey

20	960	0	45	1120	15	84	18.7667	Tukey	0.0262
20	960	15	20	1120	0	-114	18.7667	Tukey	0.0042
20	960	15	20	1120	15	-29	18.7667	Tukey	0.7682
20	960	15	45	960	0	210.5	18.7667	Tukey	<.0001
20	960	15	45	960	15	180.5	18.7667	Tukey	0.0002
20	960	15	45	1120	0	2.5	18.7667	Tukey	1
20	960	15	45	1120	15	46.5	18.7667	Tukey	0.3198
20	1120	0	20	1120	15	85	18.7667	Tukey	0.0245
20	1120	0	45	960	0	324.5	18.7667	Tukey	<.0001
20	1120	0	45	960	15	294.5	18.7667	Tukey	<.0001
	20 20 20 20 20 20	20 960 20 960 20 960 20 960 20 960 20 960 20 1120	20     960     15       20     960     15       20     960     15       20     960     15       20     960     15       20     960     15       20     960     15       20     1120     0       20     1120     0	20     960     15     20       20     960     15     20       20     960     15     45       20     960     15     45       20     960     15     45       20     960     15     45       20     1120     0     20       20     1120     0     45	20       960       15       20       1120         20       960       15       20       1120         20       960       15       45       960         20       960       15       45       960         20       960       15       45       1120         20       960       15       45       1120         20       1120       0       20       1120         20       1120       0       45       960	20       960       15       20       1120       0         20       960       15       20       1120       15         20       960       15       45       960       0         20       960       15       45       960       15         20       960       15       45       1120       0         20       960       15       45       1120       15         20       1120       0       20       1120       15         20       1120       0       20       1120       15         20       1120       0       45       960       0	20       960       15       20       1120       0       -114         20       960       15       20       1120       15       -29         20       960       15       45       960       0       210.5         20       960       15       45       960       15       180.5         20       960       15       45       1120       0       2.5         20       960       15       45       1120       15       46.5         20       1120       0       20       1120       15       85         20       1120       0       45       960       0       324.5	20       960       15       20       1120       0       -114       18.7667         20       960       15       20       1120       15       -29       18.7667         20       960       15       45       960       0       210.5       18.7667         20       960       15       45       960       15       180.5       18.7667         20       960       15       45       1120       0       2.5       18.7667         20       960       15       45       1120       15       46.5       18.7667         20       1120       0       20       1120       15       85       18.7667         20       1120       0       45       960       0       324.5       18.7667	20       960       15       20       1120       0       -114       18.7667       Tukey         20       960       15       20       1120       15       -29       18.7667       Tukey         20       960       15       45       960       0       210.5       18.7667       Tukey         20       960       15       45       960       15       180.5       18.7667       Tukey         20       960       15       45       1120       0       2.5       18.7667       Tukey         20       960       15       45       1120       15       46.5       18.7667       Tukey         20       1120       0       20       1120       15       85       18.7667       Tukey         20       1120       0       45       960       0       324.5       18.7667       Tukey

20	1120	0	45	1120	0	116.5	18.7667	Tukey	0.0036
20	1120	0	45	1120	15	160.5	18.7667	Tukey	0.0004
20	1120	15	45	960	0	239.5	18.7667	Tukey	<.0001
20	1120	15	45	960	15	209.5	18.7667	Tukey	<.0001
20	1120	15	45	1120	0	31.5	18.7667	Tukey	0.7005
20	1120	15	45	1120	15	75.5	18.7667	Tukey	0.046
45	960	0	45	960	15	-30	18.7667	Tukey	0.7416
45	960	0	45	1120	0	-208	18.7667	Tukey	<.0001
45	960	0	45	1120	15	-164	18.7667	Tukey	0.0003
45	960	15	45	1120	0	-178	18.7667	Tukey	0.0002
	20 20 20 20 20 45 45	20 1120 20 1120 20 1120 20 1120 20 1120 45 960 45 960	20 1120 0 20 1120 15 20 1120 15 20 1120 15 20 1120 15 45 960 0 45 960 0	20       1120       0       45         20       1120       15       45         20       1120       15       45         20       1120       15       45         20       1120       15       45         45       960       0       45         45       960       0       45         45       960       0       45	20       1120       0       45       1120         20       1120       15       45       960         20       1120       15       45       960         20       1120       15       45       1120         20       1120       15       45       1120         45       960       0       45       960         45       960       0       45       1120         45       960       0       45       1120	20       1120       0       45       1120       15         20       1120       15       45       960       0         20       1120       15       45       960       15         20       1120       15       45       1120       0         20       1120       15       45       1120       15         45       960       0       45       960       15         45       960       0       45       1120       0         45       960       0       45       1120       0	20       1120       0       45       1120       15       160.5         20       1120       15       45       960       0       239.5         20       1120       15       45       960       15       209.5         20       1120       15       45       1120       0       31.5         20       1120       15       45       1120       15       75.5         45       960       0       45       960       15       -30         45       960       0       45       1120       0       -208         45       960       0       45       1120       15       -164	20       1120       0       45       1120       15       160.5       18.7667         20       1120       15       45       960       0       239.5       18.7667         20       1120       15       45       960       15       209.5       18.7667         20       1120       15       45       1120       0       31.5       18.7667         20       1120       15       45       1120       15       75.5       18.7667         45       960       0       45       960       15       -30       18.7667         45       960       0       45       1120       0       -208       18.7667         45       960       0       45       1120       0       -208       18.7667	20       1120       0       45       1120       15       160.5       18.7667       Tukey         20       1120       15       45       960       0       239.5       18.7667       Tukey         20       1120       15       45       960       15       209.5       18.7667       Tukey         20       1120       15       45       1120       0       31.5       18.7667       Tukey         20       1120       15       45       1120       15       75.5       18.7667       Tukey         45       960       0       45       960       15       -30       18.7667       Tukey         45       960       0       45       1120       0       -208       18.7667       Tukey         45       960       0       45       1120       0       -208       18.7667       Tukey

Temperatur*Water*Oil	45	960	15	45	1120	15	-134	18.7667	Tukey	0.0014
Temperatur*Water*Oil	45	1120	0	45	1120	15	44	18.7667	Tukey	0.372