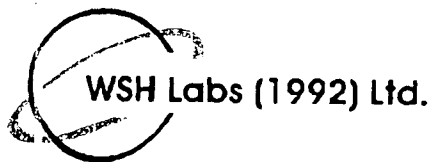


WATER WELL PUMP TEST DATA

Well Owner:	<i>John Jones</i>	Pumping Rate:	5.5 GPM
Well Location:	<i>Lot 1 Well</i>	Depth of Well:	53'
Tested by:	<i>Brad Badke</i>	Pump set at:	50'
Start Test:	<i>4:00pm Sept 26, 2011</i>	Casing Stick-up:	2.8'

Water Level (feet below ground surface)

Time Elapsed (minutes)	Production Well		Observation Well	
	Drawdown	Recovery	Drawdown	Recovery
0	16.45	22.77		
1	20.64	20.04		
2	20.62	19.07		
3	20.73	19.07		
4	20.83	18.98		
5	20.98	18.89		
6	20.95	18.82		
7	21.10	18.77		
8	21.10	18.65		
9	21.19	18.62		
10	21.23	18.61		
15	21.35	18.48		
20	21.34	18.36		
25	21.35	18.29		
30	21.48	18.23		
40	21.55	18.12		
50	21.58	18.00		
60	21.73	17.90		
75	21.82	17.78		
90	21.85	17.70		
105	21.96	17.68		
120	22.06	17.63		
150	22.17	17.52		
180	22.23	17.39		
210	22.27	17.34		
240	22.35	17.27		
300	22.41	17.19		
360	22.51	17.05		
420	22.50	17.02		
480	22.64	16.90		
540	22.69	16.89		
600	22.76	16.86		
660	22.70	16.88		
720	22.76	16.88		
840	22.74	16.86		
894	22.77	16.85		
1080		16.80		
1200		16.78		
1320		16.74		
1440		16.70		
1680		16.69		
1920		16.67		
2160		16.65		
2400		16.61		
2640		16.57		
2880		16.57		
3097		16.50		
	6.29	5.89	93.70 At 720	
	6.29	6.27	99.68 At 3097	
			% Recovered	



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Phone: 271-8708 Lab Number: 68667
 Fax: 278-3734
 Email: PO Number:

Sample Info: Jones
 Lot 1 Well

Sampled By: Brad Badke
 Date Sampled: 9/29/2011
 Date Received: 9/30/2011
 Date Reported: 10/13/2011

Analyte	Units	Result	Canadian Drinking Water Guideline Maximum
Calcium	mg/L	98.4	No Guideline
Iron	mg/L	0.40	0.3
Magnesium	mg/L	43.2	No Guideline
Manganese	mg/L	0.06	0.05
Potassium	mg/L	4.7	No Guideline
Sodium	mg/L	145	200
Bicarbonates	mg/L	568	No Guideline
Bromides	mg/L	< 0.1	No Guideline
Carbonates	mg/L	0	No Guideline
Chlorides	mg/L	19.4	250
Fluorides	mg/L	< 0.01	1.5
Nitrates as N	mg/L	1.3	10
Nitrites as N	mg/L	< 0.02	1
NO ₃ + NO ₂ as N	mg/L	1.3	No Guideline
Sulfates	mg/L	243	500

Parameter	Units	Result	Canadian Drinking Water Guideline Maximum
Electrical Conductivity	µS/cm	1310	No Guideline
pH	pH	7.93	6.5 - 8.5
Hardness (as CaCO ₃)	mg/L	424	No Guideline
Total Alkalinity (as CaCO ₃)	mg/L	466	No Guideline
P-Alkalinity (as CaCO ₃)	mg/L	0	No Guideline
Hydroxide (as CaCO ₃)	mg/L	0	No Guideline
Total Dissolved Solids (calculated)	mg/L	835	500

Sum of Cations	14.89
Sum of Anions	15.01
Ion Balance	0.99
TDS / EC Ratio	0.64
Sodium Adsorption Ratio	3.07
Saturation Index	1.07

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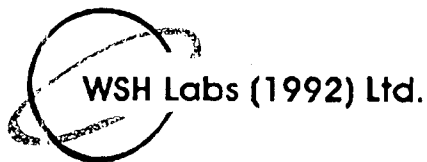
< denotes less than detection limit. TNTC = Too Numerous To Count (>200 colonies).

WATER WELL PUMP TEST DATA

Well Owner:	<i>John Jones</i>	Pumping Rate:	5.5 GPM
Well Location:	<i>Lot 2 Well</i>	Depth of Well:	80'
Tested by:	<i>Brad Badke</i>	Pump set at:	75'
Start Test:	<i>11:00am Sept 23, 2011</i>	Casing Stick-up:	2.4'

Water Level (feet below ground surface)

Time Elapsed (minutes)	Production Well		Observation Well	
	Drawdown	Recovery	Drawdown	Recovery
0	16.85	19.99		
1	18.74	19.94		
2	18.87	18.37		
3	18.88	18.25		
4	18.90	18.21		
5	18.89	18.16		
6	18.90	18.12		
7	18.95	18.07		
8	18.96	18.02		
9	19.01	18.00		
10	19.04	17.96		
15	19.16	17.82		
20	19.26	17.75		
25	19.34	17.67		
30	19.38	17.60		
40	19.43	17.52		
50	19.50	17.45		
60	19.51	17.39		
75	19.62	17.33		
90	19.64	17.31		
105	19.75	17.25		
120	19.71	17.19		
150	19.69	17.17		
180	19.75	17.13		
210	19.79	17.08		
240	19.81	17.08		
300	19.82	17.05		
360	19.94	17.00		
420	19.93	16.99		
480	19.92	17.03		
540	19.94	16.99		
600	19.94	16.94		
660	19.93	16.92		
720	19.92	16.87		
874	19.99	16.90		
960		16.88		
1080		16.92		
1200		16.88		
1320		16.91		
1440		16.84		
1680		16.83		
1920		16.84		
2160		16.82		
2400		16.85		
2640		16.85		
2880		16.84		
	3.14	3.12	99.48 At 720	
	3.14	3.15	100.32 At 2880	
			% Recovered	



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Phone: 271-8708 Lab Number: 68668
 Fax: 278-3734
 Email: PO Number:

Sample Info: Jones
 Lot 2 New Well

Sampled By: Brad Badke
 Date Sampled: 9/22/2011
 Date Received: 9/30/2011
 Date Reported: 10/13/2011

Analyte	Units	Result	Canadian Drinking Water Guideline Maximum
Calcium	mg/L	61.8	No Guideline
Iron	mg/L	0.55	0.3
Magnesium	mg/L	21.3	No Guideline
Manganese	mg/L	0.07	0.05
Potassium	mg/L	4.1	No Guideline
Sodium	mg/L	76	200
Bicarbonates	mg/L	405	No Guideline
Bromides	mg/L	< 0.1	No Guideline
Carbonates	mg/L	0	No Guideline
Chlorides	mg/L	19.6	250
Fluorides	mg/L	< 0.01	1.5
Nitrates as N	mg/L	0.1	10
Nitrites as N	mg/L	< 0.02	1
NO ₃ + NO ₂ as N	mg/L	0.1	No Guideline
Sulfates	mg/L	49	500

Parameter	Units	Result	Canadian Drinking Water Guideline Maximum
Electrical Conductivity	µS/cm	739	No Guideline
pH	pH	8.08	6.5 - 8.5
Hardness (as CaCO ₃)	mg/L	242	No Guideline
Total Alkalinity (as CaCO ₃)	mg/L	332	No Guideline
P-Alkalinity (as CaCO ₃)	mg/L	0	No Guideline
Hydroxide (as CaCO ₃)	mg/L	0	No Guideline
Total Dissolved Solids (calculated)	mg/L	431	500

Sum of Cations	8.25
Sum of Anions	8.22
Ion Balance	1.00
TDS / EC Ratio	0.58
Sodium Adsorption Ratio	2.13
Saturation Index	0.94

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 < denotes less than detection limit. TNTC = Too Numerous To Count (>200 colonies).

WATER WELL PUMP TEST DATA

Well Owner:	<i>John Jones</i>	Pumping Rate:	5.7 GPM
Well Location:	<i>Lot 3</i>	Depth of Well:	100'
Tested by:	<i>Brad Badke</i>	Pump set at:	65'
Start Test:	<i>1:15pm Sept. 21, 2011</i>	Casing Stick-up:	2.9

Time Elapsed (minutes)	Production Well		Observation Well	
	Drawdown	Recovery	Drawdown	Recovery
0	18.85	25.60		
1	23.27	25.57		
2	24.42	20.25		
3	24.85	19.89		
4	24.88	19.80		
5	24.93	19.79		
6	24.93	19.77		
7	25.00	19.77		
8	24.99	19.75		
9	25.03	19.71		
10	25.02	19.70		
15	25.12	19.58		
20	25.20	19.50		
25	25.20	19.43		
30	25.21	19.41		
40	25.26	19.34		
50	25.25	19.32		
60	25.29	19.31		
75	25.29	19.20		
90	25.32	19.16		
105	25.37	19.14		
120	25.38	19.10		
150	25.45	19.06		
180	25.47	19.05		
210	25.48	19.00		
240	25.51	18.93		
300	25.67	18.94		
360	25.71	18.92		
420	25.65	18.88		
480	25.62	18.93		
540	25.62	18.96		
600	25.63	18.92		
660	25.62	18.91		
720	25.60	18.90		
742	25.60	18.85		
960		18.84		
1080		18.86		
1200		18.83		
1320		18.82		
1440		18.83		
1680		18.79		
1920		18.79		
1966		18.80		

6.75	6.70	99.27 At 720
6.75	6.80	100.78 At 1966

% Recovered



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Phone: 271-8708 Lab Number: 68669
Fax: 278-3734
Email: PO Number:

Sample Info: Jones
Lot 3 New Well

Sampled By: Brad Badke
Date Sampled: 9/21/2011
Date Received: 9/30/2011
Date Reported: 10/13/2011

Analyte	Units	Result	Canadian Drinking Water Guideline Maximum
Calcium	mg/L	55.1	No Guideline
Iron	mg/L	0.35	0.3
Magnesium	mg/L	21.1	No Guideline
Manganese	mg/L	0.07	0.05
Potassium	mg/L	3.9	No Guideline
Sodium	mg/L	94	200
Bicarbonates	mg/L	422	No Guideline
Bromides	mg/L	< 0.1	No Guideline
Carbonates	mg/L	0	No Guideline
Chlorides	mg/L	17.0	250
Fluorides	mg/L	0.01	1.5
Nitrates as N	mg/L	0.5	10
Nitrites as N	mg/L	< 0.02	1
NO ₃ + NO ₂ as N	mg/L	0.5	No Guideline
Sulfates	mg/L	64	500

Parameter	Units	Result	Canadian Drinking Water Guideline Maximum
Electrical Conductivity	µS/cm	780	No Guideline
pH	pH	8.26	6.5 - 8.5
Hardness (as CaCO ₃)	mg/L	224	No Guideline
Total Alkalinity (as CaCO ₃)	mg/L	346	No Guideline
P-Alkalinity (as CaCO ₃)	mg/L	0	No Guideline
Hydroxide (as CaCO ₃)	mg/L	0	No Guideline
Total Dissolved Solids (calculated)	mg/L	463	500

Sum of Cations	8.67
Sum of Anions	8.76
Ion Balance	0.99
TDS / EC Ratio	0.59
Sodium Adsorption Ratio	2.73
Saturation Index	1.08

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< denotes less than detection limit. TNTC = Too Numerous To Count (>200 colonies).

WATER WELL PUMP TEST DATA

Well Owner:	<i>John Jones</i>	Pumping Rate:	6.6 GPM
Well Location:	<i>Lot 5</i>	Depth of Well:	50'
Tested by:	<i>Brad Badke</i>	Pump set at:	45'
Start Test:	<i>11:40am Sept 19, 2011</i>	Casing Stick-up:	2.65'

Time Elapsed (minutes)	Production Well		Observation Well	
	Drawdown	Recovery	Drawdown	Recovery
0	10.23	11.94		
1	10.67	11.64		
2	10.81	11.57		
3	10.90	11.50		
4	10.99	11.46		
5	11.02	11.44		
6	11.11	11.39		
7	11.17	11.39		
8	11.18	11.35		
9	11.18	11.33		
10	11.19	11.29		
15	11.21	11.19		
20	11.24	11.11		
25	11.30	11.03		
30	11.33	10.99		
40	11.41	10.90		
50	11.41	10.86		
60	11.42	10.79		
75	11.48	10.73		
90	11.55	10.68		
105	11.55	10.69		
120	11.61	10.68		
150	11.62	10.61		
180	11.63	10.58		
210	11.68	10.54		
240	11.69	10.53		
300	11.77	10.51		
360	11.78	10.54		
420	11.81	10.49		
480	11.85	10.49		
540	11.84	10.46		
600	11.85	10.43		
660	11.89	10.43		
720	11.95	10.41		
812	11.94	10.37		
960		10.35		
1080		10.31		
1200		10.31		
1320		10.27		
1440		10.29		
1680		10.29		
1920		10.28		
2160		10.25		

1.71	1.53	89.64 At 720
1.71	1.69	98.83 At 2160

% Recovered



Phone: 540-4991
Fax: 278-3734
Email:

Lab Number: 68554
PO Number:

Sample Info: Lot 5 New Well

Sampled By:
Date Sampled:
Date Received: 9/19/2011
Date Reported: 9/28/2011

Analyte	Units	Result	Canadian Drinking Water Guideline Maximum
Calcium	mg/L	101	No Guideline
Iron	mg/L	< 0.03	0.3
Magnesium	mg/L	51.1	No Guideline
Manganese	mg/L	0.01	0.05
Potassium	mg/L	4.0	No Guideline
Sodium	mg/L	21	200
Bicarbonates	mg/L	496	No Guideline
Bromides	mg/L	< 0.1	No Guideline
Carbonates	mg/L	0	No Guideline
Chlorides	mg/L	11.2	250
Fluorides	mg/L	0.01	1.5
Nitrates as N	mg/L	6.7	10
Nitrites as N	mg/L	< 0.02	1
NO ₃ + NO ₂ as N	mg/L	6.7	No Guideline
Sulfates	mg/L	43	500

Parameter	Units	Result	Canadian Drinking Water Guideline Maximum
Electrical Conductivity	µS/cm	847	No Guideline
pH	pH	8.12	6.5 - 8.5
Hardness (as CaCO ₃)	mg/L	463	No Guideline
Total Alkalinity (as CaCO ₃)	mg/L	407	No Guideline
P-Alkalinity (as CaCO ₃)	mg/L	0	No Guideline
Hydroxide (as CaCO ₃)	mg/L	0	No Guideline
Total Dissolved Solids (calculated)	mg/L	482	500

Sum of Cations	10.25
Sum of Anions	9.82
Ion Balance	1.04
TDS / EC Ratio	0.57
Sodium Adsorption Ratio	0.42
Saturation Index	1.27

Certified By:

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< denotes less than detection limit. TNTC = Too Numerous To Count (>200 colonies).

WATER WELL PUMP TEST DATA

Well Owner:	<i>John Jones</i>	Pumping Rate:	7.3 GPM
Well Location:	<i>Lot 6</i>	Depth of Well:	93'
Tested by:	<i>Brad Badke</i>	Pump set at:	75'
Start Test:	<i>3:05pm Sept 16, 2011</i>	Casing Stick-up:	2.25'

Time Elapsed (minutes)	Production Well		Observation Well	
	Drawdown	Recovery	Drawdown	Recovery
0	16.40	23.82		
1	16.88	22.87		
2	18.98	21.74		
3	20.43	21.66		
4	21.10	21.41		
5	21.38	21.39		
6	21.50	21.27		
7	21.51	21.15		
8	21.51	21.03		
9	21.54	20.93		
10	21.55	20.83		
15	21.58	20.52		
20	21.61	20.24		
25	21.64	20.02		
30	21.68	19.85		
40	21.70	19.59		
50	21.79	19.38		
60	21.83	19.23		
75	21.89	19.01		
90	22.00	18.88		
105	22.12	18.75		
120	22.25	18.59		
150	22.46	18.39		
180	22.68	18.26		
210	22.76	18.17		
240	22.92	18.10		
300	23.22	17.90		
360	23.41	17.80		
420	23.58	17.74		
480	23.59	17.65		
540	23.64	17.56		
600	23.72	17.53		
660	23.80	17.56		
720	23.81	17.50		
821	23.82	17.45		
960		17.39		
1080		17.39		
1200		17.34		
1320		17.34		
1440		17.30		
1680		17.15		
1920		17.10		
2160		17.08		
2400		16.94		
2640		16.81		
2880		16.69		
3120		16.63		
3235		16.51		
	7.42	6.32	85.23	At 720
	7.42	7.31	98.52	At 3235
			% Recovered	



Phone: 540-4991 Lab Number: 68555
Fax: 278-3734
Email: PO Number:

Sample Info: Lot 6 New Well

Sampled By:
Date Sampled:
Date Received: 9/19/2011
Date Reported: 9/28/2011

Analyte	Units	Result	Canadian Drinking Water Guideline Maximum
Calcium	mg/L	35.5	No Guideline
Iron	mg/L	< 0.03	0.3
Magnesium	mg/L	11.3	No Guideline
Manganese	mg/L	0.05	0.05
Potassium	mg/L	3.1	No Guideline
Sodium	mg/L	155	200
Bicarbonates	mg/L	494	No Guideline
Bromides	mg/L	< 0.1	No Guideline
Carbonates	mg/L	0	No Guideline
Chlorides	mg/L	4.1	250
Fluorides	mg/L	0.28	1.5
Nitrates as N	mg/L	0.3	10
Nitrites as N	mg/L	< 0.02	1
NO ₃ + NO ₂ as N	mg/L	0.3	No Guideline
Sulfates	mg/L	73	500

Parameter	Units	Result	Canadian Drinking Water Guideline Maximum
Electrical Conductivity	µS/cm	864	No Guideline
pH	pH	8.25	6.5 - 8.5
Hardness (as CaCO ₃)	mg/L	135	No Guideline
Total Alkalinity (as CaCO ₃)	mg/L	405	No Guideline
P-Alkalinity (as CaCO ₃)	mg/L	0	No Guideline
Hydroxide (as CaCO ₃)	mg/L	0	No Guideline
Total Dissolved Solids (calculated)	mg/L	526	500

Sum of Cations	9.52
Sum of Anions	9.77
Ion Balance	0.97
TDS / EC Ratio	0.61
Sodium Adsorption Ratio	5.80
Saturation Index	0.94

Certified By: _____

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