Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/9/08

Well ID: B/W-1S
Static Water Level: 28.36

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1142	START PUMPING + ADJUST SETTINGS																
1148	5	500	0.5	14.93	—	1387	—	9.20	—	6.73	—	124.2	—	3.56	—	28.66	-0.30
1153	10	↓	1.0	14.86	0.5	1385	0.1	9.00	2.2	6.83	0.10	124.5	0.2	2.19	<10 NTU		
1158	15	↓	1.5	14.87	0.1	1387	0.1	8.99	0.1	6.70	0.13	124.5	0	1.13	<10 "		
1203	20	↓	2.0	14.87	0	1386	0.1	8.84	1.7	6.67	0.03	125.8	1.0	1.19	<10 "	28.44	-0.08
1208	25	↓	2.5	14.89	0.1	1386	0	8.81	0.3	6.74	0.07	126.6	0.6	2.55	<10 "		
1213	30	↓	3.0	14.89	0	1386	0	8.79	0.2	6.60	0.14	131.6	3.9	0.87	<10 "	28.47	-0.11
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-1S **Sample Date and Time:** 6/9/08 1230 **Sampler:** Penny Bassett

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	✓ X	Dissolved Metals	500 ml	Y ✓	HNO3
	✓ X	Radionuclides	7L	Y ✓	HNO3
	✓ X	TDS, ph, Alkalinity	500 ml	N ✓	NONE
		Sulfate, Nitrate/Nitrite			
	✓ X	TOC	250 ml	N ✓	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
	None	Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

DC Comp / Gasoline Comp / Comp Gas	
2	Cycles per Minute
25	Pressure (PSI)
21	Refill Time
9	Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 2 TM2

Event: 2nd Quarter 2008
Date: 6/17/08

Well ID: B/W-1I
Static Water Level: 45.49

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1020	0	500	0	15.52		830		1.31		7.37		127.4					
1025	5	500	2.5	15.55	<1	831	<1	1.02	25	7.34	0.03	130.1	2	2.08		45.54	0.05
1030	10	500	5	15.53	<1 ✓	831	0 ✓	0.97	Δ0.05	7.32	0.02 ✓	132.2	2 ✓				
1035	15	500	7.5	15.51	<1 ✓	831	0 ✓	0.96	Δ0.01	7.31	0.01 ✓	133.7	1 ✓	1.88		45.57	0.08
1040	20	500	10	15.55		830		0.89		7.30		135.6					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-1I
Sample Date and Time: 6/17/08 1040
Sampler: TMR

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
90	Pressure (PSI)	
13	Refill Time	
17	Discharge time	

Comments: Neighboring pump pumping @ ~2050 gpm

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 2 TM2

Event: 2nd Quarter 2008
Date: 6/17/08

Well ID: B/W-IF2
Static Water Level: 74.13

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
0920	0	500	0	15.87		305		11.07		7.82		127.4					
0925	5	500	2.5	15.38	3	269	13	1.00	167	7.95	0.13	123.9	3	1.01		74.39	0.26
0930	10	500	5	15.42	<1 ✓	267	<1	0.88	13	7.92	0.03	123.7	<1 ✓				
0935	15	500	7.5	15.44	<1 ✓	267	0 ✓	0.86	<0.1 △	7.85	0.07	126.7	2 ✓	0.39		74.34	0.25
0940	20	500	10	15.49	<1	268	<1 ✓	0.83	△ <0.1	7.77	0.08	129.5	2				
0945	25	500	12.5	15.47		268		0.78		7.69		132.1		0.21			
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		<1 △ <0.1 +/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-IF2 **Sample Date and Time:** 6/17/08 0945 **Sampler:** TMR

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YS/2 TM2

Event: 2nd Quarter 2008
Date: 6/17/08

Well ID: B/W-1D
Static Water Level: 81.77

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
0815	0	400	0	15.44		455		4.53		7.40		176.2					
0820	5	500	2	15.72	2	371	20	3.41	28	7.30	0.10	168.3	5	0.17		81.87	0.10
0825	10	500	4.5	15.73	<1 ✓	339	9	3.01	12	7.82	0.52	162.0	4 ✓				
0830	15	500	6	15.52	1 ✓	338	<1	2.90	4	7.79	0.03	163.3	<1 ✓	0.02		81.77	0
0835	20	500	8.5	15.52	0	337	<1 ✓	2.88	<1 ✓	7.71	0.08	164.7	<1				
0840	25	500	11	15.49	<1	336	<1 ✓	2.90	<1 ✓	7.64	0.07	165.7	<1	0.09		81.77	
0845				15.55		335		2.85		7.61		167.0					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-1D
Sample Date and Time: 6/17/08 0845
Sampler: TMR

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
200	Pressure (PSI)	
10	Refill Time	
20	Discharge time	

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #2 / TM #1

Event: 2nd Quarter 2008
Date: 6/11/08

Well ID: B/W-2I
Static Water Level: ~~19.65~~ TOC 19.65

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
0955	0	500	0	14.30		266		1.62		8.00		100.9					
1000	5	500	2.5	14.48	1 ✓	254	5	1.39	15	8.00	0	145.5	36	2.16	<10 NTU	19.67	0.02
1005	10	500	5	14.61	<1 ✓	258	2 ✓	0.97	36	7.99	0.01 ✓	170.7	16				
1010	15	500	7.5	14.65	<1 ✓	261	1 ✓	1.12	14	8.00	0.01 ✓	189.4	10 ✓	1.75			
1015	20	500	10	14.42	2 ✓	260	<1 ✓	0.88	24	7.98	0.02 ✓	204.1	8 ✓				
1020	25	500	12.5	14.35	<1 ✓	264	2 ✓	0.73	19	7.96	0.02 ✓	214.7	5 ✓			19.88	0.23
1025	30	500	15	14.33		264		0.76		7.96		222.7		3.12			
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-2I
Sample Date and Time: 6/11/08 1025
Sampler: TMR

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp (Gasoline Comp) Comp Gas

2	Cycles per Minute
60	Pressure (PSI)
14	Refill Time
16	Discharge time

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #2 TM #1

Event: 2nd Quarter 2008
Date: 6/11/08

Well ID: B/W-2D
Static Water Level: 23.30

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1115	0	500	0	14.59		240		0.86		7.52		73.7		0.25	<10 NTU		
1120	5	500	2.5	14.60	<1 ✓	244	2 ✓	0.60	36	7.81	0.29	89.6	19			23.30	
1125	10	500	5	14.60	0 ✓	247	1 ✓	0.47	24	7.82	0.01 ✓	96.0	7 ✓				
1130	15	500	7.5	14.58	<1 ✓	249	<1 ✓	0.42	11	7.82	0 ✓	88.1	9 ✓				
1135	20	500	10	14.60	<1 ✓	250	<1 ✓	0.52	21	7.82	0 ✓	85.7	3 ✓			23.30	
1140	25	500	12.5	14.61		252		0.51		7.82		65.9		0.10			
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-2D
Sample Date and Time: 6/11/08 1140
Sampler: TMR

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/9/08

Well ID: B/W-3S
Static Water Level: 23.96

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
0953	0	400	0	15.95	—	1924	~~0.21~~	1.19	—	7.47	—	113.8	—	1.53	—	24.20	-0.24
0958	5		0.4	15.90	0.31	1928	0.21	0.95	22.4	7.44	0.03	114.7	0.8	8.48	<10NTU		
1003	10		0.8	15.91	0.06	1928	0	0.96	1.0	7.45	0.01	114.9	0.2	4.21	<10	24.11	-0.15
1008	15		1.2	15.93	0.13	1927	0.1	0.90	6.5	7.46	0.01	115.1	0.2	4.67	<10		
1013	20		1.6	16.06	0.8	1929	0.1	0.84	6.9	7.45	0.01	115.2	0.1	4.49	<10		
1018	25		2.0	15.85	1.3	1932	0.2	0.81	3.6	7.43	0.02	115.4	0.2	4.05	<10	24.16	-0.20
1020	Collect sample																
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-3S
Sample Date and Time: 6/9/08 1030
Sampler: Penny Barrett

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
✓X	Dissolved Metals	500 ml	Y	HNO3
✓X	Radionuclides	7L	Y	HNO3
✓X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
✓X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

none

Bladder Pump Information:

DC Comp / Gasoline Comp / Comp Gas	
2	Cycles per Minute
20	Pressure (PSI)
17	Refill Time
13	Discharge time

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Comments:

Field Review: P Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 2 TM 2

Event: 2nd Quarter 2008
Date: 6/17/08

Well ID: B/W-3I
Static Water Level: 24.78

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1220	0	500	0	16.85		267		9.05		8.10		-110.3					
1225	5	500	2.5	15.54	8	261	2	1.22	152	8.25	0.15	45.9	485	2.71	< 10 NTU	24.98	0.20
1230	10	500	5	15.49	<1	257	2 ✓	0.82	39	8.23	0.02	70.8	37				
1235	15	500	7.5	15.53	2 ✓	255	<1	0.47	Δ0.35	8.16	0.07 ✓	75.8	7	2.51		24.98	
1240	20	500	10	15.54	<1	255	0	0.40	Δ0.07	8.10	0.06	74.5	2 ✓				
1245	25	500	12.5	15.71	1	255	0	0.35	Δ0.05	8.02	0.08	70.5	6				
1250	30	500	15	15.86		255		0.32		7.95		67.7					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-3I
Sample Date and Time: 6/17/08 1250
Sampler: TMR

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	(Comp Gas)
2	Cycles per Minute	
60	Pressure (PSI)	
15	Refill Time	
15	Discharge time	

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Comments:

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
VS/ 2 TM2

Event: 2nd Quarter 2008
Date: 6/17/08

Well ID: B/W-3D
Static Water Level: 27.75

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1320	0	500	0	16.57		189		4.49		6.83		-62.0					
1325	5	500	2.5	15.68	4	190	<1	0.53	158	7.98	1.15	10.8	284			27.80	0.05
1330	10	500	5	15.75	<1 ✓	190	0 ✓	0.41	Δ0.12	7.99	0.01	25.2	80	0.13			
1335	15	500	7.5	15.72	<1 ✓	190	0 ✓	0.31	Δ0.10	7.90	0.09	31.1	21				
1340	20	500	10	15.78	<1	191	<1	0.31	0 ✓	7.77	0.13	38.9	22				
1345	25	500	12.5	15.67	<1	191	0	0.24	Δ0.07 ✓	7.70	0.07	43.7	12	0.07		27.80	0.05
1350	30	500	15	15.75	<1	191	0	0.21	Δ0.03	7.62	0.08 ✓	48.5	10				
1355	35	500	17.5	15.91		190		0.27		7.58	0.04 ✓	51.1	5				
1400	40	500	20			190		0.29		7.57		53.5					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-3D-D1 B/W-3D-D2

Sample Date and Time: 6/17/08 1400

Sampler: TMR

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

X	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	(Comp Gas)
2	Cycles per Minute	
95	Pressure (PSI)	
13	Refill Time	
17	Discharge time	

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Comments:

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557 YSI #2 TN#1

Event: 2nd Quarter 2008
Date: 6/12/08

Well ID: B/W-45
Static Water Level: 59.41

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
0910	0	500	0	15.96		1893		5.57		6.84		203.1					
0915	5	500	2.5	15.92	<1 ✓	1927	2 ✓	2.24	85	7.09	0.25	205.7	1	1.53			
0920	10	500	5														
0925	15	500	7.5	16.05	<1 ✓	1936	<1 ✓	1.77	23	6.65	0.44	230.0	11				
0930	20	500	10	16.10	<1 ✓	1933	<1 ✓	1.65	7 ✓	6.71	0.06 ✓	232.8	1 ✓			59.41	✓
0935	25	500	12.5	16.19	<1 ✓	1942	<1 ✓	1.62	2 ✓	6.65	0.06 ✓	233.9	<1 ✓	0.65	✓		
0940	30	500	15	16.25	<1 ✓	1946	<1 ✓	1.68	4 ✓	6.69	0.04 ✓	231.0	1 ✓				
0945				16.35	✓	1947	✓	1.65	✓	6.71	✓	230.4	✓				
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-45 **Sample Date and Time:** 6/12/08 0945 **Sampler:** TNR

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
55	Pressure (PSI)	
13	Refill Time	
17	Discharge time	

Comments: pH/ORP probe behaving bad. needs cleaned.

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 2 TM/

Event: 2nd Quarter 2008
Date: 6/12/08

Well ID: B/W-4I
Static Water Level: 59.16

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1130	0	500	0	16.07		1652		0.77		7.23		132.0					
1135	5	500	2.5	16.02	<1	1623	2	0.41	61	7.23	0	134.9	2	0.75		59.28	0.09
1140	10	500	5	16.04	<1	1595	2	0.46	11	7.23	0	135.6	<1				
1145	15	500	7.5	16.03		1578		0.41		7.24		136.0		0.36			
1150	20	500	10	16.03		1572		0.41		7.24		136.3					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-4I
Sample Date and Time: 6/12/08 1150 ~~1145~~ TR
Sampler: TMR

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments: did not log sample on YSI

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 2 TM1

Event: 2nd Quarter 2008
Date: 6/12/08

Well ID: B/W-4D
Static Water Level: 58.85

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1020	0	500	0	16.43		727		1.26		7.09		53.9		0.60			
1025	5	500	2.5	16.28	<1 ✓	786	8	0.48	90	7.74	0.65	110.8	69			58.85	
1030	10	500	5	16.26	<1 ✓	791	<1 ✓	0.58	19	7.75	0.01	122.8	10				
1035	15	500	7.5	16.30	<1 ✓	790	<1 ✓	0.32	58	7.76	0.01	128.7	5	0.13			
1040	20	500	10	16.29	<1 ✓	791	<1 ✓	0.35	9	7.76	0	131.6	2	0.11		58.85	
1045	25	500	12.5	16.31	✓	788	✓	0.33		7.76		134.2					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-4D
Sample Date and Time: 6/12/08 1045
Sampler: TMR

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
105	Pressure (PSI)	
12	Refill Time	
18	Discharge time	

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #1 TM #2

Event: 2nd Quarter 2008
Date: 6/12/08

Well ID: B/W-5RS
Static Water Level: 30.82

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008 Q1		PARAMETERS		---		677		5.76		8.22		57.4		1.57		30.72	
1542		START PUMP															
1545	0	500	0	16.46	—	586	—	6.25	—	8.25	—	127.0	—	2.32	<10NTU	30.82	0.01 ✓
1550	5		2.5	16.13	✓ 2	582	✓ <1	5.69	✓ 9	8.23	✓ .02	134.3	✓ 5				
1555	10		5.0	16.13	✓	580	✓	5.75	✓ 1	8.19	✓ .04	148.8	✓ 10			30.82	.01 ✓
1600	15		7.5	16.19	✓	577	✓	5.91	✓ 3	8.27	✓ .08	135.8	✓ 9	4.66	✓		
1605	20		10.0	16.06	✓	575	✓	5.98	✓	8.27	✓	130.8	✓				
1610	25		12.5	16.14	✓	575	✓	5.85	✓	8.29	✓	127.2	✓	3.17	✓	30.83	
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-5RS **Sample Date and Time:** 6/12/08 1610 **Sampler:** Penny Bassett

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	~~Level IV~~
	Field Blank
	EQ Rinsate Blank

none

Bladder Pump Information:

DC Comp / Gasoline Comp / Comp Gas	
2	Cycles per Minute
28	Pressure (PSI)
219	Refill Time
11	Discharge time

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Comments:

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/10/08

Well ID: B/W-5RI
Static Water Level: 30.91'

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
0900	0	500	0	16.20		858		2.83		7.58		104.0		0.35	<10NTU		
0905	5	500	2.5	16.05	<1	878	2	4.35	42	7.94	0.36	104.7	<1			31.0	0.09
0910	10	500	5	16.23	1 ✓	880	<1 ✓	4.28	2	7.98	0.04	106.3	2 ✓	0.89			
0915	15	500	7.5	15.87	2 ✓	879	<1 ✓	4.60	7 ✓	7.94	0.04 ✓	115.3	8 ✓			31.0	
0920	20	500	10	15.83	<1	875	<1	4.50	2 ✓	7.98	0.04 ✓	114.3	<1				
0925	25			15.90		873		4.50		7.99		114.6					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-5RI **Sample Date and Time:** 6/10/08 0925 **Sampler:** TWR

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
60	Pressure (PSI)	
13	Refill Time	
13	Discharge time	

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/10/08

Well ID: B/W-52D
Static Water Level: 31.25

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
0955	0	500	0	16.25		1056		5.82		7.86		137.6		5.56			
1000	5	500	2.5	16.13	<1	1058	5	5.79	<1	7.92	0.06	120.0	14			31.40	0.15
1005	10	500	5	16.14	<1 ✓	1032	2	5.63	3 ✓	7.98	0.06	122.7	2	1.25			
1010	15	500	7.5	16.17	<1	1043	1	5.40	4	8.02	0.04	109.2	12				
1015	20	500	10	16.24	<1	1046	<1 ✓	5.20	4	8.09	0.07	81.7	29			31.40	
1020	25	500	12.5	16.27	<1	1048	<1	5.26	1	7.96	0.13	95.3	15				
1025	30	500	15	16.24	<1	1048	0	5.20	1	7.96	0	87.7	8				
1030	35	500	17.5	16.28	<1	1048	0	5.27	1	7.98	0.02	71.6	20				
1035	40	500	20	16.27		1049		5.31		7.95	0.03	84.2	16				
1040	45	500	22.5									~~88.5~~					
1045	50	500	25	16.32		1048		5.06		8.01		88.3					
1050	55	500	~~22.5~~ 27.5	16.31		1048		5.22		8.11		68.5					
1055	60	500	30	16.33		1047		5.21		7.93		84.5					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-52D **Sample Date and Time:** 6/10/08 1055 **Sampler:** TMR ~~1055~~

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments: parameters fluctuated a lot between refill + discharge cycles

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 2 TM1

Event: 2nd Quarter 2008
Date: 6/12/08

Well ID: B/W-6S
Static Water Level: 104.90

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1320	0	500	0	17.35		784		6.99		8.01		47.2					
1325	5	500	2.5	17.05	2	787	<1	6.05	14	8.00	0.01	86.7	59	1.72	<10 NTU		
1330	10	500	5	17.00	<1	786	<1	5.75	5	8.00	0	97.4	12			105.13	0.23
1335	15	500	7.5	17.01	<1	786	0	5.90	3	8.00	0	96.0	1	1.11	-		
1340	20	500	10	16.99	<1	785	<1	5.92	<1	8.02	0.02	97.0	1			104.95	0.05
1345	25	500	12.5	16.98		786		5.95		8.04		102.3		1.16			
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-6S
Sample Date and Time: 6/12/08 1345
Sampler: TMK

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 2 TMI

Event: 2nd Quarter 2008
Date: 6/12/08

Well ID: BW-6D
Static Water Level: 103.90

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1410	0	500	0	18.11		650		10.11		6.75		145.7					
1415	5	500	2.5	17.42	4	636	2	5.99	51	7.38	0.63	134.2	8	0.19	< 10 NTU		
1420	10	500	5	17.30	<1	637	<1	6.02	<1	7.95	0.57	122.2	9			103.90	
1425	15	500	7.5	17.32	<1	637	0	5.86	3	8.00	0.05	123.8	1				
1430	20	500	10	17.39	<1	636	<1	5.89	<1	7.98	0.02	124.5	<1	0.13		103.90	
1435	25	500	12.5	17.43		636		5.82		8.01		125.0					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: BW-6D
Sample Date and Time: 6/12/08 1435
Sampler: TMR

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
140	Pressure (PSI)	
11	Refill Time	
19	Discharge time	

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 2 TM 2

Event: 2nd Quarter 2008
Date: 6/16/08

Well ID: B/W-7
Static Water Level: 152.71

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1542	0	450		18.70		689		7.21		6.89		109.2					
1547	5	450	2.25	18.44	1 ✓	669	3 ✓	7.12	1 ✓	7.49	0.60	113.6	4 ✓	0.22	<10NTU	152.99	~~152.0~~
1552	10	450	4.5	18.46	<1 ✓	667	<1 ✓	7.23	2 ✓	7.50	0.01 ✓	117.2	3 ✓				
1557	15	450	6.75	18.36	<1 ✓	668	<1 ✓	7.14	1 ✓	7.48	0.02 ✓	121.3	3 ✓				
1602	20	450	9	18.49	✓	671	✓	7.06	✓	7.55	0.07 ✓	120.6	✓	0.36		152.99	
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-7-D1 ~~B/W-7~~ B/W-7-D2
Sample Date and Time: 6/16/08 1602
Sampler: TMR

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:	
X	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:		
DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/9/08

Well ID: B/W-8S
Static Water Level: 144.25

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1110	0	500	0	17.79		1245		6.16		7.74		189.6		5.11		144.28	0.03
1115	5	500	2.5	17.90	<1	1238	<1	3.50	55	7.83	0.09	186.8	1	6.71	<10 NTU	144.30	0.05
1120	10	500	5	17.85	<1	1239	<1 ✓	3.28	6	7.83	0 ✓	184.5	1 ✓	5.27	" ✓	144.28	0.03
1125	15	500	7.5	17.88	<1 ✓	1240	<1	3.34	2	7.83	0	182.6	1	5.00	"	144.28	
1130	20	500	10	17.84		1240		3.55	6 ✓	7.84		181.6					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-8S
Sample Date and Time: 6/9/08 1135
Sampler: TWR

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
100	Pressure (PSI)	
15	Refill Time	
15	Discharge time	

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barnett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/9/08

Well ID: BW-8D
Static Water Level: 143.85

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1210	0	450	0	18.10		1226		5.32		7.48		195.2					
1215	5	450	2.25	18.13	<1	1223	<1	5.22	2	7.65	0.17	187.2	4	2.72	<10 NTU	143.88	0.03
1220	10	450	4.75	18.16	<1 ✓	1220	<1 ✓	5.34	2 ✓	7.65	0	188.1	<1				
1225	15	450	7	18.14	<1	1219	<1	5.18	4	7.66	0.01 ✓	185.2	2 ✓	0.61		143.89	0.04
1230	20	450	9.25	18.12		1218		5.03		7.65		183.3					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: BW-8D
Sample Date and Time: 6/9/08 1235
Sampler: TWR

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
125	Pressure (PSI)	
10	Refill Time	
20	Discharge time	

Comments: air leaking into flow through cell at tubing junction

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/10/08

Well ID: B/W - 9S
Static Water Level: 16.78

May 08 = 16.11

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008 Q1 Parameters						2344		4.58		7.36		166.6				16.11	
0844	START PUMPING + ADJUST FLOW																
0850	0	500	0	14.24	—	2102	—	6.44	—	7.36	—	265.5	—	3.98	<10 NTU	16.83	-0.05
0855	5		2.5	14.14	0.7	2093	0.4	6.05	6.3	7.33	0.03	259.9	✓ <10%	2.96	✓		
0900	10		5.0	14.10	✓ <3%	2093	✓ <3%	6.05	✓ <10%	7.30	✓	255.6	✓			16.81	
0905	15		7.5	14.21	✓	2088	✓	5.95	✓	7.32	✓	251.3	✓	3.96	✓		
0910	20		10.0	14.13	✓	2098	✓	5.95	✓	7.32	✓	246.1	✓			16.85	
0915	25			14.09	✓	2095	✓	5.87	✓	7.30	✓	243.0	✓	1.02	✓		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-9S
Sample Date and Time: 6/10/08 0915
Sampler: Penny Bassett

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp / Gasoline Comp / Comp Gas	
2	Cycles per Minute
25	Pressure (PSI)
20	Refill Time
10	Discharge time

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

Comments:

3 Consecutive stable readings before sampling

Field Review: PBassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/10/08

Well ID: B/W-9I
Static Water Level: 18.50

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1400	0	500	0	14.99		592		5.32		7.75		174.1					
1405	5	500	2.5	14.72	2	587	<1	0.34	162	7.59	0.16	188.5	8	5.14	< 10 NTU		
1410	10	500	5	14.72	0 ✓	589	<1 ✓	0.20	52	7.80	0.21	177.1	6 ✓			18.55	0.05
1415	15	500	7.5	14.65	<1	590	<1	0.18	11	7.86	0.06	168.6	5				
1420	20	500	10	14.75	<1	589	<1	0.17	6	7.86	0	164.1	3	2.60		18.57	0.07
1425	25	500	12.5	14.79	<1	589	0	0.16	6	7.88	0.02 ✓	158.2	4				
1430	30	500	15	14.84	<1	589	0	0.19	17	7.95	0.07	144.4				18.57	
1435	35	500	17.5	14.81	<1	590	<1	0.20	5	7.88	0.07	148.8					
1440	40	500	20	14.82		589		0.17	16	7.81		156.1		1.52			
1445	45	500	22.5	14.86		589		0.17	0	7.86		152.7				18.57	
1450	50	500	25	14.82		589		0.17		7.87		147.4					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-9I **Sample Date and Time:** 6/10/08 1450 **Sampler:** TMR

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
50	Pressure (PSI)	
12	Refill Time	
18	Discharge time	

Comments: windy sampling conditions, visible dust clouds
parameters fluctuated alot between discharge + recharge cycles

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: PBassett QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/10/08

Well ID: B/W-9D
Static Water Level: 25.18

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1535	0	500	0	15.01		239		0.28		7.72		112.5					
1540	5	500	2.5	15.11	<1	238	<1	0.11	87	7.80	0.08	114.0	1	1.31			
1545	10	500	5	15.03	<1 ✓	238	0 ✓	0.12	9	7.79	0.01	127.1	11			25.30	0.12
1550	15	500	7.5	15.16	<1	238	0	0.17	34	7.60	0.19	155.0	20	0.30			
1555	20	500	10	15.13	<1	238	0	0.17	0	7.78	0.18	133.8	11				
1600	25	500	12.5	15.16	<1	238	0	0.21	21	7.80	0.02	130.8	6			25.30	
1605	30	500	15	15.16	0	238	0	0.22	5	7.83	0.03	125.5	4 ✓				
1610	35	500	17.5	15.12	<1	238	0	0.22	0 ✓	7.84	0.01	122.8	2				
1615	40	500	20	14.93		239		0.23	4 ✓	7.84		121.4		1.04			
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-9D **Sample Date and Time:** 6/10/08 1615 **Sampler:** TMR

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
115	Pressure (PSI)	
10	Refill Time	
20	Discharge time	

Comments: windy sampling conditions

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #1 TM #2

Event: 2nd Quarter 2008
Date: 6/12/08

Well ID: B/W-10S
Static Water Level: 23.97

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008	Q1	PARAMETER ...				353		4.05		7.12		182.4		4.97		24.41	
1405		START PUMP															
1410	0	480		15.42	—	305	—	4.10	—	7.09	—	159.6	—	0.65	<10	23.95	0.02 ✓
1415	5			15.11	✓ 2	306	✓ <1	3.90	✓ 5	6.91		155.9	✓ 2	1.06	✓		
1420	10			15.04	✓	307	✓	3.87	✓ <1	6.94	✓ .03	152.8	✓ 2				
1425	15			15.04	✓	306	✓	3.84	✓	6.97	✓ .03	150.6	✓	2.63	✓	23.98	✓
1430	20			15.03	✓	307	✓	3.87	✓	7.02	✓ .05	147.0	✓				
1435	25			15.03	✓	306	✓	3.80	✓	7.05	✓	144.8	✓	4.21	✓	23.97	
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-10S **Sample Date and Time:** 6/12/08 1435 **Sampler:** Penny Barrett

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
25	Pressure (PSI)	
20	Refill Time	
10	Discharge time	

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Comments:

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6-12-08

Well ID: B/W - 10 D
Static Water Level: 24.5

BROWN AND CALDWELL

YSI 3 TM3

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1325	0	360		15.40		322		0.92		7.27		227.2		6.19	—	24.55	0.05
1330	5	360		15.37	0.19	328	1.85	0.41	76.70	7.83	~~0.56~~ .03	221.7	2.45	—	—	—	
1335	10	360		15.38	0.07	325	0.92	0.33	21.62	7.86	~~0.03~~ .03	221.4	0.14	2.01	<10	24.58	0.08
1340	15	360		15.34	0.26	321	1.24	0.35	5.88	7.88	~~0.02~~ .02	218.5	1.32	—	—	—	
1345	20	360		15.29	0.33	320	0.31	0.34	2.90	7.88	0	216.9	0.73	1.37	<10	24.58	0.08
1350	25	360		15.32	0.20	318	0.63	0.36	5.71	7.88	0	215.3	0.74	2.13	—	—	—
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-10D
Sample Date and Time: 6-12-08 1400
Sampler: Briana Wright

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
75	Pressure (PSI)	
10	Refill Time	
20	Discharge time	

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

Comments:

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YS13 TM3

Event: 2nd Quarter 2008
Date: 6-17-08

Well ID: B/W-11S
Static Water Level: 41.26

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1306	0	300	0.30	16.51		5276		0.38		4.03		287.2		8.15	<10	41.32	0.06
1311	5	300	0.60	16.63	0.72	5284	0.15	0.33	14.08	4.02	0.01	275.5	4.27	8.54	<10	41.25	0.05
1316	10	300	0.90	16.43	1.21	5305	0.40	0.31	6.25	4.03	0.01	268.8	2.46	—	—	—	—
1321	15	300	1.20	16.40	0.18	5302	0.06	0.28	10.17	4.04	0.01	264.9	1.46	8.45	<10	41.26	0
1326	20	300	1.50	16.30	0.61	5300	0.04	0.27	3.64	4.03	0.01	262.5	0.91	—	—	—	—
1331	25	300	1.80	16.40	0.61	5298	0.04	0.27	0	4.02	0.01	260.7	0.69	4.52	<10	41.28	0.02
1353 ~~1356~~	30	300	2.1	20.11	20.32	5343	0.85	0.47	54.01	4.01	0.01	259.4	0.50	—	—	—	—
1358 ~~1340~~	35	300	2.40	16.45	20.02	5297	0.86	0.28	50.67	4.08	0.07	255.1	1.67	2.44	<10	41.26	0
1403	40	300	2.70	16.22	1.41	5291	0.11	0.25	4.32	4.05	0.03	253.9	0.47	—	—	—	—
1408	45	300	3.00	16.20	0.12	5290	0.02	0.24	4.08	4.06	0.01	253.5	0.16	2.19	<10	41.27	
1413	50	300	3.30	16.15	0.31	5292	0.04	0.24	0	4.04	0.02	252.6	0.36	—	—	—	—
1418	55	300	3.60	16.00		5293		0.24	0	4.03	0.01	251.0		2.22		41.28	
~~1423~~	~~60~~	~~300~~	~~3.90~~														
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-11S
Sample Date and Time: 6-17-08 1422
Sampler: Briana Wright

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID:59

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
45	Pressure (PSI)	
11	Refill Time	
19	Discharge time	

Comments: * Gas ran out of compressor around 1330. thats why parameters changed so much around time 1353. (Had to leave to get the gas).

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 3 TM3

Event: 2nd Quarter 2008
Date: 6-17-08

Well ID: B/W-11D
Static Water Level: 42.44

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1123	0	380	0.38	18.10		8500		1.04		6.11		8.6		5.66	<10	42.39	0.05
1128	5	380	0.76	16.78	7.57	8021	5.80	0.43	83.0	6.16	0.05	18.3	72.12	—	—	—	—
1133	10	380	1.14	16.63	0.90	8008	0.16	0.37	15.0	6.12	0.04	11.6	44.82	1.23	<10	42.48	0.04
1138	15	380	1.52	16.60	0.18	8124	1.44	0.38	2.67	6.10	0.02	3.9	99.35	—	—	—	—
1143	20	380	1.90	16.65	0.30	8286	1.97	0.40	5.13	6.06	0.06	-0.9	320.0	0.79	<10	42.43	0.01
1148	25	380	2.28	16.61	0.24	8387	1.21	0.42	4.88	6.09	0.03	-5.3	1933	~~0.79~~	~~<10~~		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-11D
Sample Date and Time: 6-17-08 1155
Sampler: Briana Wright

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID: 63

DC Comp	~~Gasoline Comp~~ Comp Gas	
2	Cycles per Minute	
105	Pressure (PSI)	
7	Refill Time	
23	Discharge time	

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Comments:

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YS13 TM3

Event: 2nd Quarter 2008
Date: 6-18-08

Well ID: B/W-11D3
Static Water Level: 41.75

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1012	0	200	~~3.00~~ 0.20	17.31		1503		5.42		6.63		-22.8		16.21	<10	45.30	3.55
1017	5	200		17.06	1.46	1411	6.31	0.54	163.76	6.75	0.12	-47.4	70.09	—	—	48.40	6.65
1022	10	200		17.14	0.47	1388	1.64	0.44	20.41	6.80	0.05	-63.2	28.57	1.81	<10	50.18	8.43
1027	15	200		17.42	1.62	1384	0.29	0.41	7.06	6.83	0.03	-71.6	12.46	—	—	51.28	9.53
1032	20	200		17.51	0.52	1383	0.07	0.39	5.00	6.83	0	-77.5	7.91	1.81	<10	52.75	11.0
1037	25	200		17.45	0.34	1376	0.51	0.35	10.81	6.84	0.01	-83.1	7.0	—	—	54.21	12.46
1042	30	200		17.57	0.69	1373	0.22	0.34	2.90	6.86	0.02	-87.6	5.27	0.56	<10	55.66	13.85
1047	35	200		17.34	1.32	1373	0	0.33	3.0	6.88	0.02	-91.0	3.81	—	—	56.70	14.95
1052	40	200		17.79	2.56	1374	0.07	0.33	0	6.89	0.15	-93.9	3.13	0.30	<10	58.06	16.31
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-11 D3-D1 **Sample Date and Time:** 6-18-08 1055 **Sampler:** Briana Wright

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID: B/W11D3-D2

X	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID: 51

DC Comp	~~Gasoline Comp~~	Comp Gas
2	Cycles per Minute	
55	Pressure (PSI)	
19	Refill Time	
11	Discharge time	

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Barnett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 2 TM2

Event: 2nd Quarter 2008
Date: 6/16/08

Well ID: B/W-13
Static Water Level: 129.46

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
0926	0	450	0	17.88		694		10.50		6.90		234.0					
0931	5	450	2.25	17.63	1	746	7	6.94	41	7.48	0.58	232.4	<1				
0936	10	400	4.5	17.57	<1 ✓	758	2	6.85	1	7.55	0.07	233.6	<1 ✓	0.12		129.46	
0941	15	400	6.5	17.46	<1	757	<1 ✓	6.86	<1 ✓	7.53	0.02	233.8	<1	0.21			
0946	20	400	8.5	17.55	<1	756	<1	6.67	3	7.45	0.08	233.6	<1			129.46	
0951	25	400	10.5	17.51		755		6.51		7.39		~32.1					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-13
Sample Date and Time: 6/16/08 0951
Sampler: TMR

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
75	Pressure (PSI)	
15	Refill Time	
15	Discharge time	

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #1 TM#2

Event: 2nd Quarter 2008
Date: 6/12/08

Well ID: B/W -14
Static Water Level: 14.94

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008	Q1	PARAMETERS ...		..		677		5.76		8.22		57.4		1.57		30.72	
0836	–	START PUMP + ADJ. FLOW															
0840	0	480	0	14.01	—	469	—	1.64	—	6.94	—	-74.4	—	0.27	<10 NTU	14.95	0.01
0845	5			14.03	✓<1	474	✓1	0.20	156	7.19	.25	-31.7	80	0.20	✓		
0850	10			14.04	✓	477	✓1	0.17	16	7.23	✓.04	-14.1	76				
0855	15			14.04	✓	476	✓1	0.16	✓6	7.25	✓.02	-1.8				14.97	.03
0900	20			14.08	✓	476	✓	0.16	✓0	7.25	✓0	3.7	✓<10	0.03	✓		
0905	25			14.08	✓	477	✓	0.16	✓	7.27	✓	8.5	✓				
0910	30			14.08	✓	476	✓	0.16	✓	7.27	✓	9.7	✓	0.00	✓	14.95	0.01
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-14 **Sample Date and Time:** 6/12/08 0910 **Sampler:** Penny Barrett

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
	None	Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

DC Comp / Gasoline Comp / Comp Gas	
2	Cycles per Minute
40	Pressure (PSI)
18	Refill Time
12	Discharge time

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Comments:

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #1 TM #2

Event: 2nd Quarter 2008
Date: 6/12/08

Well ID: B/W-15
Static Water Level: 11.60

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008	Q1 PARAMETERS					362		0.27		7.27		125.4		0.15		11.8	
1202	START																
1205	0	480		14.71	—	335	—	3.58	—	7.10	—	26.6	—	0.09	<10 NTU	11.60	✓ 0
1210	5			13.98	5	334	✓ <1	0.22	176	7.22	.12	50.8	62				
1215	10			13.92	✓ <1	334	✓	0.16	31	7.21	✓ .01	54.7	✓ 7	0.00	✓	11.61	0.01 ✓
1220	15			13.95	✓	334	✓	0.17	✓ 6	7.22	✓	56.1	✓ 2				
1225	20			13.97	✓	334	✓	0.14	✓	7.23	✓	56.9	✓				
1230	25			13.93	✓	334	✓	0.15	✓	7.26	✓	56.5	✓	0.24	✓	11.60	0
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-15 **Sample Date and Time:** 6/12/08 1230 **Sampler:** Penny Barrett

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID: none

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
48	Pressure (PSI)	
20	Refill Time	
10	Discharge time	

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Comments:

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 2 TM2

Event: 2nd Quarter 2008
Date: 6/16/08

Well ID: B/W-16
Static Water Level: 192.01

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1325	0	400		22.12		699		8.66		7.96		121.2					
1330	5	400	2	20.67	7	704	<1	7.14	19	7.80	0.16	117.3	3	2.66	<10 NTU		
1335	10	400	4	19.98	3	687	2	5.77	21	7.87	0.07	108.3	8			192.11	
1340	15	400	6	19.70	1	586	16	5.35	7	7.83	0.04	107.6	<1				
1345	20	400	8	21.03	7	688	16	4.47	20	7.83	0	104.0	3			192.05	
1350	Changed gas cylinder																
1355	25	400	10	19.68	7	693	<1	5.90	29	7.76	0.07	94.9	9	4.46			
1400	30	400	12	18.80	5	686	1	5.70	3	7.28	0.48	97.6	3				
1405	35	400	14	18.83	<1	686	0	5.90	3	7.55	0.27	92.8	5				
1410	40	400	16	18.82	<1	686	0	5.96	1	7.57	0.02	91.8	1				
1415	45	400		18.74	<1	685		6.07		7.59		89.6		3.26		192.05	
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-16 **Sample Date and Time:** 6/16/08 1420 **Sampler:** TMR

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID: ~~6/16/08~~

		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Comments:

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/9/08

Well ID: B/W-18S
Static Water Level: 22.25 (May = 22.14)

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1615	0	START PUMPING															
1618	0	500	0	15.55	—	3984	—	1.10	—	7.55	—	106.6	—	284.8	—	22.40	
1623	5		2.5	15.35	1.3	4023	1.0	0.35	103	7.55	0	110.6	3.7	57.73	132		
1628	10		5.0	15.23	0.8	4025	0.1	0.50	35.	7.56	0.01	108.0	2.4	23.66	83.		
1633	15		7.5	15.20	0.2	3994	0.8	0.28	56.	7.55	0.01	103.5	4.3	21.82	8.1	22.43	
1638	20		10.0	15.20	0	3980	0.4	0.33	16.4	7.56	0.01	100.0	3.4	13.4	47.8		
1642	25		12.5	15.07	0.8	3975	0.1	0.34	3.0	7.55	0.01	99.4	0.6	11.04	19.3		
1648	30		15.0	15.19		3981		0.36		7.55		97.7		9.64		22.40	
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-18S
Sample Date and Time: 6/9/08 1650
Sampler: Penny Barrett

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

None

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
30	Pressure (PSI)	
21	Refill Time	
9	Discharge time	

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Comments:

Field Review: P Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI / TM2

Event: 2nd Quarter 2008
Date: ~~6/17/08~~ 6/18/08

Well ID: BIW-18I
Static Water Level: ~~24.05~~ 24.49

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
0910	0	450	0	15.13		587		0.47		8.21		270.9					
0915	5	450	2.25	15.26	<1	603	3	0.30	Δ0.17	8.23	0.02	267.7	1	8.71	<10 NTU	24.51	0.02
0920	10	450	4.5	15.56	2	607	<1	0.21	Δ0.09	8.23	0	264.0	1				
0925	15	450	6.75	16.17	4*	607	0	0.22	Δ0.01	8.21	0.02	261.1	<1				
0930	20	500	9	15.00	4	609	<1	0.10	Δ0.12	7.89	0.32	267.6	2	8.09		24.54	0.05
0935	25	500	11.5	15.01	<1	603	<1	0.08	Δ0.02	7.99	0.10	262.6	2				
0940	30	500	14	15.16	<1	607	<1	0.09	Δ0.01	7.95	0.05	260.9	<1	2.65		24.54	
0945	35	500	16.5	15.24		607		0.07	Δ0.02	7.90	0.05	260.9					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: BIW-18I
Sample Date and Time: 6/18/08 0945
Sampler: TMR

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments: *anomalous reading, hydrol box decreased flow during sampling, very fine grained sand was present in the discharge tube

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
VSI 1 TMZ

Event: 2nd Quarter 2008
Date: 6/18/08

Well ID: B/W-18D
Static Water Level: 24.94

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1035	0	500	0	15.27		408		0.23		8.33		-38.6		33.55			
1040	5	500	2.5	15.24	<1	399	2	0.14	<0.09	8.35	0.02	-41.0	6	29.89	11	25.10	0.16
1045	10	500	5	15.37	<1	413	3	0.12	<0.02	8.43	0.08	-45.1	10	28.21	6		
1050	15	500	7.5	15.37	0	427	3	0.10	<0.02	8.37	0.06	-45.4	<1	31.11	10		
1055	20	500	10	15.29		439		0.08	<0.02	8.31	0.06	-51.0	12	34.52	10		
~~1100~~	~~25~~	~~500~~	~~12.5~~														
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-18D
Sample Date and Time: 6/18/08 1055
Sampler: TMR

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments: initial purge water was very turbid with white chunks (500-1000 NTU)

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/9/08

Well ID: B/W-19S
Static Water Level: 98.77

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1350	0	500	0	17.45		1166		7.60		7.79		172.9		4.19	<10 NTU	98.81	0.04
1355	5	500	2.5	17.19	2	1175	<1	7.49	1	7.78	0.01	165.3	4	3.95			
1400	10	500	5	17.26	<1 ✓	1171	<1 ✓	7.51	<1 ✓	7.78	0 ✓	162.5	2 ✓			98.81	
1405	15	500	7.5	17.23	<1	1170	<1	7.49	<1	7.79	0.01	159.8	2	6.09			
1410	20	500	10	17.25		1169		7.17		7.79		158.3					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-19S
Sample Date and Time: 6/9/08 1410
Sampler: TWL

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
75	Pressure (PSI)	
15	Refill Time	
15	Discharge time	

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

Comments:

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/9/08

Well ID: BIW-19I
Static Water Level:

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1440	0	500	0	18.82		1110		7.26		7.73		158.5				98.77	
1445	5	500	2.5	17.57	7	1049	6	6.64	9	7.93	0.20	145.1	9	2.88		~~98.78~~	
1450	10	500	5	17.63	<1	1045	<1	6.82	3 ✓	7.96	0.03	123.1	16	0.72		98.78	
1455	15	500	7.5	17.68	<1	1046	<1 ✓	6.44	6	7.96	0	109.8	11				
1500	20	500	10	17.70	<1 ✓	1045	<1 ✓	6.39	<1	7.96	0 ✓	100.2	9				
1505	25	500	12.5	17.63	<1	1047	<1	6.30	<1	7.96	0	92.1	8 ✓	0.35			
1510	30	500	15	17.71		1048	<1	6.40	2	7.96	0	84.0	9	0.32			
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: BIW-19I-D2
BIW-19I-D1

Sample Date and Time: 6/9/08 1515

Sampler: TMR

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

X	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	(Gasoline Comp)	Comp Gas
2	Cycles per Minute	
90	Pressure (PSI)	
13	Refill Time	
17	Discharge time	

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/10/08

Well ID: B/W-19D
Static Water Level: 98.52

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1145	0	500	0	17.80		969		1.52		7.52		138.7		2.02			
1150	5	500	2.5	17.82	<1	1051	8	3.64	82	7.87	0.35	127.9	8				
1155	10	500	5	17.75	<1 ✓	1049	<1	3.50	2	7.90	0.03	124.7	3 ✓			98.52	
1200	15	500	7.5	17.82	<1 ✓	1047	<1	3.48	3 ✓	7.90	0 ✓	122.1	2 ✓				
1205	20	500	10	17.76	<1	1042	<1 ✓	3.61	4 ✓	7.91	0.01 ✓	120.2	2				
1210	25	500	12.5	17.85		1034		3.44		7.90		118.2		0.22			
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-19D
Sample Date and Time: 6/10/08 1210
Sampler: TWR

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
90	Pressure (PSI)	
12	Refill Time	
18	Discharge time	

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #1 TM #2

Event: 2nd Quarter 2008
Date: 6/12/08

Well ID: B/W - 20
Static Water Level: 35.20

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008 Q1 PARAMETERS . . .						347		0.24		7.89		228		0.28		35.55	
1020	START																
1025	0	500	0	15.27	—	310	—	1.08	—	7.90	—	103.4	—	0.37	<10 ✓	35.35	0.15 ✓
1030	5		2.5	15.03		311	✓ <1	0.29	115	7.81	✓ .09	56.3					
1035	10		5.0	15.09	✓ <1	311	✓	0.26	10	7.85	✓ .04	-14.1					
1040	15			15.17	✓	310	✓	0.20	26	7.85	✓ 0	-64.1		0.10	✓	35.30	0.1 ✓
1045	20			15.19	✓	310	✓	0.18	✓ 10	7.85	✓	-92.5					
1050	25			15.10	✓	310	✓	0.18	✓ 0	7.84	✓	-104.8					
1055	30			15.10	✓	310	✓	0.18	✓	7.83	✓	-113.1	✓ <10	0.04	✓	35.28	0.08 ✓
1100	35			15.09	✓	310	✓	0.18	✓	7.84	✓	-118.6	✓				
1105	40			15.12	✓	311	✓	0.20	✓	7.82	✓	-118.1	✓				
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-20 **Sample Date and Time:** 6/12/08 1105 **Sampler:** Penny Bassett

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp / Gasoline Comp / Comp Gas	
2	Cycles per Minute
35	Pressure (PSI)
21	Refill Time
9	Discharge time

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Comments:

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/12/08

Well ID: BW-21
Static Water Level: 55.55

BROWN AND CALDWELL

V813 TM3

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
16:58 ~~16:56~~	0	480		15.33		450		2.49		7.08		-6.1		0.26		55.60	
17:03	5	480		15.18	0.98	447	0.66	2.20	12.36	7.08	0	-1.7	112.82	—	—	—	
17:08	10	480		15.18	0	446	0.22	2.08	5.61	7.07	-0.01	3.0	176.21	0.01	<10	55.58	
17:13	15	480		15.08	0.66	445	0.22	2.06	0.97	7.07	0	5.6	94.73	—		—	
17:18	20	480		15.14	0.40	445	0	2.05	0.49	7.05	0.02	8.9	45.51	0.01	<10	55.55	
17:23	25	480		15.13	0.07	445	0	2.02	1.47	7.07	0.02	11.5	25.50	—			
17:28	30	480		15.16	0.20	445	0	2.02	0	7.13	0.06	13.8	18.18	0.07	<10	55.53	
17:33	35	480		15.18	0.53	445	0	2.03	0.50	7.06	0.07	16.2	16				
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: BW-21 **Sample Date and Time:** 6/12/08 17:35 **Sampler:** Roxanne Barringer

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
60	Pressure (PSI)	
17	Refill Time	
13	Discharge time	

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/12/08

Well ID: B/W-22
Static Water Level: 155.95

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1530	0	500	0	17.81		1658		6.37		7.50		141.5					
1535	5	500	2.5	17.69	<1	1705	3	5.47	15	7.35	0.15	143.6	1	8.38	<10 NTU		
1540	10	500	5	17.59	<1	1729	1	5.36	2	7.34	0.01	142.7	<1			156.1	0.15
1545	15	500	7.5	17.57	<1	1736	<1	5.33	<1	7.33	0.01	142.4	<1	4.18			
1550	20	500	10	17.44		1737		5.04	6	7.33	0	142.4	0				
1555	25	500	12.5	17.55		1734		5.00		7.33		142.9		1.51		155.97	0.04
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-22 **Sample Date and Time:** 6/12/08 1555 **Sampler:** TMR

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
X	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments: did not log on YSI

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YS12 TM2

Event: 2nd Quarter 2008
Date: 6/16/08

Well ID: B/W-23
Static Water Level: 228.70

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1115	0	500	0	18.73		674		8.22		7.47		-17.6					
1120	5	500	2.5	17.81	5	671	<1	3.24	87	7.63	0.16	-101.2	141				
1125	10	500	5														
1130	15	500	7.5	17.89	<1	666	<1	0.70	129	7.36	0.27	-52.1	64	0.78			
1135	20	500	10	17.87	<1	662	<1	0.72	3	7.30	0.06	-36.8	34				
1140	25	500	12.5	17.92	<1	659	<1	0.78	31	7.21	0.09	-25.4	37			228.9	0.20
1145	30	500	15	17.93	<1	658	<1	1.3	24	7.17	0.04	-16.3	44				
1150	35	500	17.5	17.90	<1	658	0	1.57	19	7.10	0.07	-8.0	68				
1155	40	500	20	17.92	<1	658	0	2.00	27	7.06	0.04	1.5	296				
1200	45	500	22.5	17.96	<1	659	<1	2.10	2	7.03	0.03	7.7	135	0.64		228.9	
1205	50	500	25	17.93		660		2.51		7.03		13.4					
1210	55	500	27.5	17.93		660		2.70		6.99		18.2					
1215	60	500	30	17.92		660		3.05		7.00		22.4		0.51		228.9	
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-23 **Sample Date and Time:** 6/16/08 1215 **Sampler:** TMR

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
190	Pressure (PSI)	
20	Refill Time	
10	Discharge time	

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #3 TM#3

Event: 2nd Quarter 2008
Date: 6-11-08

Well ID: B/W-25S
Static Water Level: 19.08

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1012	0	240		15.33		1271		2.32	9.65	7.47		227.7		3.22		19.06	0.02
1017	5	240		14.65	4.54	1276	0.40	0.81	3.64	7.41	0	227.3	0.18	3.32	3.06	19.06	0.02
1022	10	240		14.88	1.60	1283	0.55	0.74	3.64	7.39	0.08	226.9	0.18	—		—	
1027	15	240		14.65	1.56	1281	0.16	0.78	7.41	7.40	0.09	225.8	0.49	1.99		19.07	0.01
1032	20	240		14.68	0.20	1279	0.56	0.76	2.60	7.40	0	224.7	0.49	—	50.10		
1037	25	240		14.76	0.54	1278	0.08	0.74	2.67	7.38	0.02	224.4	0.13	1.61	21.11	19.07	0.01
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-25S
Sample Date and Time: 6-11-08
Sampler: Brian a Wright

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID: 57

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
30	Pressure (PSI)	
13	Refill Time	
17	Discharge time	

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Comments:

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #3 TM#3

Event: 2nd Quarter 2008
Date: 6-11-08

Well ID: B/W-25 I
Static Water Level: 22.08

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
0900	0	420		20.91		999		1.25		7.39		229.1		0.72		22.11	0.03
0905	5	420		14.57	35.74	1003	0.40 ✓	0.34	114.47	7.42	0.03 ✓	229.8	0.31 ✓	0.91 ✓	23.31	22.09	0.01
0910	10	420		14.57	0 ✓	1004	0.10 ✓	0.24	34.5	7.40	0.02 ✓	230.5	0.30 ✓				
0915	15	420		14.65	0.55 ✓	1003	0.10 ✓	0.25	4.10 ✓	7.43	0.03 ✓	230.0	0.22 ✓	0.25 ✓	113.80	22.11	0.03
0920	20	420		14.57	0.55 ✓	1003	0 ✓	0.25	0 ✓	7.41	0.02 ✓	229.6	0.17 ✓				
0920	25	420		14.59	0.14 ✓	1003	0 ✓	0.26	3.92 ✓	7.42	0.02 ✓	229.2	0.17 ✓	0.28 ✓	11.3	22.11	0.03
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-25 I
Sample Date and Time: 6-11-08 0930
Sampler: Briana Wright

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
90 ~~20~~	Pressure (PSI)	
~~10~~ 20	Refill Time	
10	Discharge time	

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

Comments:

3 Consecutive stable readings before sampling

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #3 TM#3

Event: 2nd Quarter 2008
Date: 6-11-08

Well ID: B/W-25D
Static Water Level: 25.68

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1124	0	300		15.18		226		2.09		8.10		4.0		0.81		26.61	0.07
1129	5	300		14.67	3.42	235	3.90	0.46	127.84	8.15	0.05	42.9	165.88	1.98	83.37	26.72	0.04
1134	10	300		14.66	0.07	243	3.35	0.28	46.65	8.14	0.01	48.7	12.66	—	—	—	—
1139	15	300		14.71	0.34	244	0.41	0.23	19.6	8.12	0.02	50.4	3.43	0.91	74.04	26.81	0.13
1144	20	300		14.77	0.41	243	0.41	0.19	19.05	8.14	0.02	48.4	4.05	—	—	—	—
1149	25	300		14.78	0.07	240	1.24	0.18	5.41	8.13	0.01	45.6	5.60	0.70	26.09	26.80	0.12
1154	30	300		14.80	0.14	237	1.26	0.18	0	8.14	0.01	44.1	3.34	—	—	—	—
1159	35	300		14.78	0.14	235	0.85	0.18	0	8.14	0	43.9	0.45	0.70	0	27.00	1.32
1204	40	300		14.83	0.34	233	0.85	0.17	5.71	8.15	0.01	43.9	0	—	—	26.91	1.23
1209	45	300		14.82	0.07	232	0.43	0.18	5.71	8.16	0.01	45.2	2.91			26.71	1.03
					96.07												
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-25D **Sample Date and Time:** 6-11-08 1215 **Sampler:** Briana Wright

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID: 53

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
50	Pressure (PSI)	
17	Refill Time	
13	Discharge time	

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Comments:

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #3 TM #3

Event: 2nd Quarter 2008
Date: 6-11-08

Well ID: B/W-27S
Static Water Level: ~~19.9~~ 19.29

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1430	0	150		10.20		384		7.14		6.79		51.0		1.13		19.29	0
1435	5	150		9.97	2.30	364	5.35	6.79	5.03	6.75	0.04	54.9	12.0	5.82	135.0	19.29	0
1440	10	150		9.85	1.21	363	0.28	6.73	0.89	6.74	0.01	57.5	4.63	~~5.89~~ 5.84	—	—	—
1445	15	150		9.95	1.01	362	0.28	6.55	2.71	6.76	0.02	60.1	4.42	6.40		19.29	0
1450	20	150		9.96	0.10	363	0.28	6.57	0.30	6.74	0.02	62.5	3.52	—	—	—	—
1455	25	150		10.13	1.78	362	0.30	6.22	5.50	6.75	0.09	64.0	2.37	5.41	16.77	19.28	0.01
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID:
Sample Date and Time: 6-11-08 1505
Sampler: Briana Wright

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: I

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
30	Pressure (PSI)	
20	Refill Time	
10	Discharge time	

Comments: Had to run PSI at 30 because H2O would not come up any lower than that.

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #3 TM #3

Event: 2nd Quarter 2008
Date: 6-11-08

Well ID: ~~B/W~~ B/W-27D
Static Water Level: 30.67

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1542	0	400		13.05		433		2.46		8.01		67.0		2.63		29.26	1.41
1547	5	400		13.14	0.69	491	12.55	0.56	124.32	7.59	0.02	53.0	23.33	0.67	118.80	29.42	1.25
1552	10	400		13.16	0.15	511	4.0	0.50	11.32	7.55	0.04	33.1	46.23	—	—	—	—
1557	15	400		13.21	0.40	514	0.59	0.44	12.77	7.55	0	23.7	33.10	0.16	122.90	29.04	1.63
1602	20	400		13.27	0.45	517	0.58	0.39	12.05	7.54	0.01	18.5	24.64	—	—	29.19	1.48
1607	25	400		13.27	0	516	0.19	0.38	2.60	7.54	0	15.6	17.0	0.12	28.57	29.12	1.55
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID:

Sample Date and Time: 6-11-08 1615

Sampler: Briana Wright

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID: 58

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
60	Pressure (PSI)	
12	Refill Time	
18	Discharge time	

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

Comments:

3 Consecutive stable readings before sampling

Field Review: Penny Barr

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/9/08

Well ID: B/W - 28S
Static Water Level: 50.43 (May 08 = 51.0)

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1409	0	START PUMPING															
1413	5	500	2.5	16.85	—	1310	—	7.01	—	7.33	—	129.1	—	2.53	—	50.50	
1418	10		5.0	16.70	0.9	1320	0.8	6.90	1.6	7.41	0.08	128.9	0.2	2.25	<10NTU		
1423	15		7.5	16.70	0	1332	0.9	6.41	7.4	7.36	0.05	130.0	0.8	1.75	<10 "		
1428	20		10.0	16.73	0.2	1334	0.2	6.29	1.9	7.35	0.01	130.2	0.2	1.53	<10 "	50.49	
1433	25		12.5	16.79	0.4	1334	0	6.10	3.1	7.52	0.27	125.5	3.7	1.75	<10 "		
1438	30		15.0	16.74	0.3	1333	0.1	6.12	0.3	7.38	0.14	127.6	1.6	1.86	<10 "	50.58	
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-28S-D1 @1440
Sample Date and Time: 6/9/08 1440
Sampler: Penny Bassett

Analysis Requested: NDEP Profile 2

			Volume:	Filtered	Preservative:
	X	Dissolved Metals 2x	500 ml	Y ✓	HNO3
	X	Radionuclides 2x	7L	Y ✓	HNO3
	X	TDS, ph, Alkalinity 2x	500 ml	N ✓	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC 2x	250 ml	N ✓	HCl

QC Sample ID: B/W-28S-D2 @1500

✓	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp / Gasoline Comp / Comp Gas	
2	Cycles per Minute
38	Pressure (PSI)
21	Refill Time
9	Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 3 TM3

Event: 2nd Quarter 2008
Date: 6-12-08

Well ID: B/W-28I
Static Water Level: 50.89

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
0936	0	500		16.64		886		0.73		7.31		157.5		4.95	<10	49.94	0.95
0941	5	500		16.35	1.76	909	2.56	0.32	78.10	7.29	0.02	182.5	14.71	4.33	<10	50.91	0.02
0946	10	500		16.41	0.37	909	0	0.30	6.45	7.34	0.05	187.5	2.70	—	—	—	—
0951	15	500		16.39	0.12	908	0.11	0.29	3.40	7.33	0.01	191.4	2.06	1.72	<10	50.86	0.03
0956	20	500		16.41	0.12	907	0.11	0.32	9.84	7.34	0.04	193.8	1.25	—	—	—	—
1001	25	500		16.45	0.24	906	0.11	0.30	6.45	7.30	0.04	196.7	1.49	1.37	<10	50.90	0.01
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: BW-28I
Sample Date and Time: 6-12-08 1005
Sampler: Briana Wright

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
65	Pressure (PSI)	
17	Refill Time	
13	Discharge time	

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Comments:

Field Review: Penny Barnett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6-12-08

Well ID: B/W-28 D
Static Water Level: 49.95

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1054	0	300		18.28		560		3.69		7.87		108.8		138.9		50.00	0.05
1103 ~~1059~~	5	300		16.42	10.72	558	0.36	0.47	199.50	7.91	0.04	4.6	183.77	9.89	<10	50.19	~~0.70~~ 0.2
1108	10	300		16.34	0.49	560	0.36	0.22	72.5	7.90	0.01	19.6	123.97	–	–	–	–
1113	15	300		16.34	0	559	5.22	0.21	4.70	7.91	0.03	30.0	31.94	5.07	<10	50.15	~~0.80~~ 0.2
1118	20	300		16.31	0.18	558	0.18	0.22	4.65	7.91	0	37.5	22.22	–	–	–	–
1123	25	300		16.32	0.06	558	0	0.23	4.44	7.91	0	43.7	15.27	2.98	<10	49.98	0.03
1128	30	300		16.32	0	558	0	0.24	4.26	7.91	0	47.9	9.17	–	–	–	–
														3.32	<10		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifer	

Sample ID:

Sample Date and Time: 6-12-08 1130

Sampler: Briana Wright

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	~~Gasoline Comp~~	Comp Gas
2	Cycles per Minute	
10	Pressure (PSI)	
10	Refill Time	
20	Discharge time	

Comments: 1100 stopped logging to clean out flow thru cell; it appeared to be full of white precipitate (?)

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 3 TM3

Event: 2nd Quarter 2008
Date: 6-16-08

Well ID: B/W-29S
Static Water Level: 77.72

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
0922	0	500	0.5L	13.40	—	3951		1.64		3.61		3.65		~~773.5~~		77.77	~~77.77~~ 0.0
0927	5	500	1.0	14.77	2.21	4053	2.67	0.41	120.0	4.21	0.60	280.2	153.90	—	—	—	—
0932	10	500	1.5	14.73	0.27	4064	0.15	0.43	4.76	4.19	0.02	265.3	5.46	69.17	5.46	77.77	0.01
0937	15	500	2.0	14.73	—	4061	—	0.39	9.76	4.17	0.02	258.0	2.79	—	—	—	—
0942	20	500	2.5	14.81	0.54	4057	0.10	0.38	2.60	4.23	0.06	253.1	1.92	45.50	41.29	77.77	0.05
0947	25	500	3.0	14.83	0.13	4054	0.07	0.36	5.41	4.23	—	249.6	1.40	—	—	—	—
0952	30	500	3.5	14.89	0.40	4055	0.02	0.35	2.82	4.23	—	246.8	1.13	36.96	20.71	77.76	0.04
0957	35	500	4.0	14.79	0.67	4054	0.02	0.36	2.82	4.24	0.01	244.4	0.98	30.75	18.34	—	—
1002	40	500	4.5	14.93	0.94	4057	0.07	0.36	0	4.25	0.01	242.2	0.90	30.99	0.78	77.76	0.04
1007	45	500	5.0	14.93	—	4063	0.15	0.36	—	4.25	—	240.6	0.66	20.67	39.95	—	—
1012	50	500	5.5	14.88	0.34	4063	—	0.36	—	4.24	0.24	239.3	0.54	17.94	—	77.78	0.06
1017	55	500	6.0	14.96	0.54	4064	0.02	0.36	—	4.26	0.47	237.9	0.59	—	—	—	—
1022	60	500	6.5	14.91	0.33	4059	0.12	0.37	2.74	4.26	—	236.7	0.51	13.74	26.52	77.78	0.06
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-29S **Sample Date and Time:** 6-16-08 1022 **Sampler:** Briana Wright

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID: B/W-29S MS ~~MSD~~ MSD

		Duplicate
	X	MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information: ID: 58

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
70	Pressure (PSI)	
12	Refill Time	
18	Discharge time	

Comments: Samples taken for MS-MSD also

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 3 TM3

Event: 2nd Quarter 2008
Date: 6-16-08

Well ID: B/W-29I1
Static Water Level: 79.00

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1127	0	480	0.45	15.27		4979		0.43		6.35		93.3		142.5		79.00	0.10
1132	5	480	0.96	15.11	1.05	4843	2.77	0.25	33.89	6.31	0.04	98.2	5.12	108.4	27.20	—	—
1137	10	480	1.44	15.05	0.40	4714	2.70	0.28	3.51	6.36	0.05	99.8	1.62	77.47	33.28	79.07	0.09
1142	15	480	1.92	15.12	0.46	4625	1.91	0.26	7.41	6.36	0	101.0	1.20	55.14	33.68	—	—
1147	20	480	2.40	15.08	0.26	4572	1.15	0.25	3.92	6.37	0.01	102.1	1.08	43.51	23.58	79.10	0.10
1152	25	480	2.88	15.07	0.00	4528	0.97	0.24	4.08	6.36	0.01	103.0	0.88	—	—	—	—
1157	30	480	3.36	15.06	0.06	4485	0.95	0.24	0	6.40	0.04	103.5	0.48	26.50	48.60	79.10	0.10
1202	35	480	3.84	15.20	0.93	4451	0.76	0.24	0	6.42	0.02	103.9	0.39	21.45	21.06	79.10	0.10
1207	40	480	4.32	15.25	0.33	4431	0.45	0.25	4.08	6.40	0.02	104.4	0.48	25.71	18.07	—	—
1212	45	480	4.80	15.21	0.26	4409	0.50	0.24	4.08	6.42	0.02	104.3	0.10	18.37	33.30	79.14	0.14
1217	50	480	5.28	15.06	1.00	4399	0.23	0.24	0	6.44	0.02	104.6	0.29	—	—	—	—
1222	55	480	5.76	15.10	0.27	4379	0.46	0.24	0	6.44	0	104.7	0.10	18.20	0.93	79.11	0.11
1227	60	480	6.24	15.34	1.58	4363	0.37	0.24	0	6.45	0.01	104.6	0.10	14.15	25.03	—	—
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-29I2
Sample Date and Time: 6-16-08 1230 Briana Wrig
Sampler: Briana Wright

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID: 55

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
95	Pressure (PSI)	
15	Refill Time	
15	Discharge time	

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 3 TM3

Event: 2nd Quarter 2008
Date: 6-18-08

Well ID: B/W-29I2
Static Water Level: 89.35

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
0831	0	500	0.50	20.28		2570		8.11		7.02		69.5		1.19	<10	90.38	1.03
0836	5	500	1.0	14.64	32.30	2517	2.08	1.21	140.04	7.27	0.05	65.5	5.93	—	—	90.29	0.94
0841	10	500	1.5	14.66	0.14	2536	0.75	0.32	116.34	7.25	0.02	68.9	5.06	1.20	<10	90.52	1.17
0846	15	500	2.0	14.67	0.07	2552	0.63	0.26	20.69	7.25	0	70.6	2.44	—	—	90.35	1.0
0851	20	500	2.5	14.72	0.34	2553	0.04	0.23	12.24	7.26	0.01	71.8	1.69	1.85	<10	90.49	1.14
0856	25	500	3.0	14.89	1.15	2555	0.08	0.23	0	7.27	0.01	72.1	0.42	—	—	—	—
0901	30	500	3.5	14.88	0.07	2556	0.04	0.23	0	7.28	0.01	72.9	1.10	1.87	<10	90.58	1.23
0906	35	500	4.0	14.98	0	2560	0.16	0.25	8.33	7.27	0.01	73.9	1.36	1.32	<10	90.38	1.03
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-29I2 **Sample Date and Time:** 6-18-08 910 **Sampler:** Briana Wright

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID 57

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
114	Pressure (PSI)	
13	Refill Time	
17	Discharge time	

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 3 TM3

Event: 2nd Quarter 2008
Date: 6-16-08

Well ID: B/W-29D
Static Water Level: 88.38

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1405	0	500	.5	15.62		1915		0.36		8.24		32.5		0.60	<10	88.69	0.31
1410	5	500	1.0	16.32	4.38	1921	0.31	0.36	0	7.98	0.26	31.3	3.76				
1415	10	500	1.5	18.50	12.52	1917	0.21	0.80	75.86	7.95	0.03	37.7	18.56	0.81	<10	88.40	0.02
1420	15	500	2.0	15.60	17.01	1914	0.16	0.31	88.30	7.90	0.05	25.4	39.0				
1425	20	500	2.5	15.45	0.97	1908	0.31	0.22	33.96	7.89	0.02	17.2	38.50	0.25	<10	88.73	0.35
1430	25	500	3.0	15.40	0.32	1907	0.05	0.22	0	7.88	0.01	-12.2	34.61				
1435	30	500	3.5	15.39	0.06	1912	0.26	0.21	4.65	7.86	0.02	-9.3	38.05	0.25	<10	88.70	0.32
1440	35	500	4.0	15.41	0.13	1913	0.05	0.21	0	7.84	0.02	-5.2	45.9				
1445	40	500	4.5	15.41	0	1917	0.21	0.20	4.88	7.82	0.02	-2.5	70.13	0.16	<10	88.74	0.36
1450	45	500	5.0	15.30	0.72	1917	0	0.20	0	7.82	0	-0.4	144.83				
1455	50	500	5.5	15.27	0.20	1917	0	0.20	0	7.81	0.01	1.4	360.0	0.22	<10	88.80	0.42
1500	55	500	6.0	15.43	1.04	1915	0.10	0.18	10.53	7.79	0.02	2.4	69.77				
1505	60	500	6.5	15.34	0.58	1916	0.05	0.18	0	7.77	0.02	4.1	34.30	0.46	<10	88.79	0.41
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-29D
Sample Date and Time: 6-16-08 1505
Sampler: Briana Wright

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID: 53

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
110	Pressure (PSI)	
17	Refill Time	
13	Discharge time	

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Comments:

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/10/08

Well ID: D4 BC-1
Static Water Level: 15.85

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008Q1		PARAMETERS				1748		2.71		7.32		137.5		0.12		15.82	
1312	START PUMPING																
1316	0	500	0	15.23	—	1580	—	7.62	—	7.46	—	73.1	—	0.77	—	15.86	-0.01
1321	5		2.5	14.49		1343		~~7.95~~ 6.43		7.35		77.4	✓	1.18	✓ <10NTU		
1326	10		5.0	14.39	✓	1341	✓	6.49	✓	7.32	✓	84.0	✓			15.87	✓
1331	15		7.5	14.50	✓	1341	✓	6.55	✓	7.33	✓	87.7	✓	2.58	✓		
1336	20		10.0	14.45	✓	1343	✓	6.40	✓	7.33	✓	91.5				15.85	✓
1341	25	↓	12.5	14.44		1345		6.24		7.33		95.2		0.08	✓		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: D4 BC-1 **Sample Date and Time:** 6/10/08 1341 **Sampler:** Penny Bassett

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

none

Bladder Pump Information:

DC Comp / Gasoline Comp / Comp Gas

2	Cycles per Minute
25	Pressure (PSI)
20	Refill Time
10	Discharge time

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

Comments:

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 1 TM1

Event: 2nd Quarter 2008
Date: 6/16/08

Well ID: D5AC-1
Static Water Level: 26.59

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008Q1		PARAMETERS . . .				14,252		~~10.7~~		6.52		140.7		1.15		26.5	
1129		START PUMP															
1135	0	260		16.53	—	14,017	—	3.19	—	6.74	—	88.6	—	5.84	✓ <10 NTU	27.94	1.35
1140	5	↓		15.93	3.7	14,260	✓ 1.7	1.27	86	6.64	0.1	108.7	20.4				
1145	10			15.83	✓ .6	14,181	✓ .5	0.78	47	6.59	✓ .05	121.8	11.4			~~28.06~~	
1150	15			15.81	✓	14,046	✓	0.53	38	6.55	✓ .04	129.5	✓ 6	1.74	✓	28.06	1.47
1155	20	200		16.00	✓	14,007	✓	0.48	✓ 9	6.55	✓ 0	133.3	✓ 3			27.84	1.25
1200	25	↓		16.07	✓	13,982	✓	0.43	✓	6.54	✓	136.8	✓			27.74	1.15
1205	30			15.98	✓	13,969	✓	0.42	✓	6.53	✓	139.7	✓	1.10	✓	27.67	
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: D5AC-1 **Sample Date and Time:** 6/16/08 1205 **Sampler:** Penny Barrett

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
None		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

DC Comp / Gasoline Comp / Comp Gas	
2	Cycles per Minute
25	Pressure (PSI)
23	Refill Time
7	Discharge time

Comments: Reduce pumping rate to 200 ml/min to minimize drawdown

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #2 TM #1

Event: 2nd Quarter 2008
Date: 6/11/08

Well ID: MW2002-1
Static Water Level: 16.53

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1245	0	500	0	14.11		3080		1.53		7.06		129.9					
1250	5	500	2.5	14.10	<1 ✓	3084	<1 ✓	1.16	28	7.18	0.12	122.2	6 ✓	0.54	<10 NTU	16.75	0.22
1255	10	500	5	14.10	0 ✓	3085	<1 ✓	0.93	22	7.06	0.12	130.0	6 ✓				
1300	15	500	7.5	14.10	0 ✓	3086	<1 ✓	0.80	15	7.05	0.01 ✓	131.0	<1 ✓	0.40		16.75	
1305	20	500	10	14.07	<1 ✓	3087	<1 ✓	0.73	9	7.05	0 ✓	131.7	<1 ✓				
1310	25	500	12.5	14.09		3089		0.73		7.04	✓	132.4		0.32		16.75	
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: MW2002-1 **Sample Date and Time:** 6/11/08 1310 **Sampler:** TMR

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
40	Pressure (PSI)	
11	Refill Time	
19	Discharge time	

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Comments:

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
VS / TM

Event: 2nd Quarter 2008
Date: 6/16/08

Well ID: MW-2002-2
Static Water Level: 46.87

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008	Q1	PARAMETERS ...				716		5.85		8.15		146.5		67.1		47	
1434	START PUMP													4.11			
1440	0	480		17.70	—	765	—	5.95	—	8.27	—	130.8	—	2.80	<10 NTU	47.34	.47
1445	5			16.94	4.4	742	✓ 3	5.35	10.6	8.25	✓ .02	129.7	✓ .8				
1450	10			16.92	✓ .1	741	✓	5.31	✓ .7	8.25	✓ 0	129.5	✓	1.47	✓	47.12	.15
1455	15			16.88	✓	739	✓	5.28	✓	8.25	✓	129.9	✓				
1500	20			16.85	✓	738	✓	5.27	✓	8.25		130.4	✓	0.97	✓	47.22	.25
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: MW2002-2 **Sample Date and Time:** 6/16/08 1500 **Sampler:** Penny Barrett

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID: NONE

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
32	Pressure (PSI)	
20	Refill Time	
10	Discharge time	

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Comments:

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6-10-08

Well ID: MW-2002-2I
Static Water Level: 48.0

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
0922	0	420		16.42		530		0.94		8.17		73.4		384.4		48.40	0.4
0927	5	420		16.46	0.24	530	0	0.39	82.7	8.20	0.03	79.6	8.10			48.27	0.27
0932	10	420		16.47	0.06	527	0.57	0.38	2.60	8.18	0.02	80.8	1.50	205.1	60.8	48.27	0.27
0937	15	420		16.48	0.06	526	0.19	0.43	12.3	8.18	0	77.8	3.78	134.8	41.37	4	
0942	20	420		16.56	0.48	525	0.19	0.53	20.83	8.18	0	68.7	12.42	109.6	20.6	48.19	0.19
0947	25	420		16.66	0.60	524	0.19	0.58	9.01	8.18	0	59.7	14.02	76.78	35.21	48.23	0.23
0952	30	420		16.67	0.06	524	0	0.67	14.4	8.19	0.12	53.4	11.14	68.64	11.20		
0957	35	420		17.00	2.96	523	0.19	0.70	4.38	8.19	0	50.4	5.78	63.66	7.53	48.21	0.21
1002	40	420		16.91	0.53	522	0.19	0.76	8.22	8.19	0	48.7	~~55.14~~ 3.4	55.14	14.34	48.19	0.19
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifer	

Sample ID:

Sample Date and Time: 6-10-08 1006

Sampler: Briana Wright

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID 51

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
100	Pressure (PSI)	
19	Refill Time	
11	Discharge time	

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Comments:

Field Review:

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 1 TM 1

Event: 2nd Quarter 2008
Date: 6/17/08

Well ID: MW-1
Static Water Level: not measured

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	~~Liters~~	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008	QI	PARAMETERS				1283				7.43							
0700	START PUMP																
0720	20	20gpm	400gal			1452				7.59		225.8		2.45			
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: MW-1 **Sample Date and Time:** 6/17/08 0720 **Sampler:** Penny Bassett

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID:

NONE		Duplicate
		~~MS/MSD~~
		~~Level IV~~
		Field Blank
		EQ Rinsate Blank

gasoline generator + dedicated prod. pump

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments: Field filtered in field office w/ peristaltic

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 3 TM3

Event: 2nd Quarter 2008
Date: 6-17-08

Well ID: MW-2
Static Water Level: 59.68

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
0929	0	≈500	0.50	18.42		6237		0.36		4.02		240.7		2.70	<10	59.77	0.09
0934	5	500	1.0	18.46	0.22	6229	0.13	0.31	14.93	4.00	←	234.8	2.48	—	—	—	—
0939	10	500	1.50	18.49	0.05	6225	0.06	0.31	←	4.00	←	230.5	1.85	0.69	<10	59.77	0.09
0944	15	500	2.0	18.51	0.22	6227	0.03	0.30	3.23	4.00	←	227.2	1.44	—	—	—	—
0949	20	500	2.5	18.54	0.16	6226	0.02	0.31	3.23	4.01	0.01	224.6	1.15	0.51	<10	59.76	0.08
0954	25	500	3.0	18.57	0.16	6228	0.03	0.32	3.17	4.01	←	223.0	0.71	0.68	<10	—	—
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: MW-2-D1 **Sample Date and Time:** 6-17-08 0957 **Sampler:** Briana Wright

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID: MW-2-D2

✓	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID: 53

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
	Pressure (PSI)	60
17	Refill Time	
30	Discharge time	

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 5-9-08

Well ID: MW-4
Static Water Level: 82.01

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1015	0	400		16.72		1863		2.84		7.35		220.8		0.08		82.14	0.13
1020	5	400		16.74	0.12	1860	0.16	3.12	9.40	7.34	0.01	221.1	0.14	0.10	22.22	82.12	0.11
1025	10	400		16.70	0.24	1858	0.11	3.21	2.84	7.34	0	221.1	0	0.67	148.1	82.12	0.11
1030	15	400		16.71	0.06	1857	0.05	3.19	0.625	7.33	0.01	221.1	0	0.03	182.9	82.12	0.11
1035	20	400		16.71	0	1854	0.16	3.16	0.95	7.33	0	220.8	0.14	0.20	147.8	82.12	0.11
1040	25	400		16.70	0.06	1854	0	3.26	3.11	7.34	0.01	220.7	0.45	0.05	120.0	82.11	0.10
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID:

Sample Date and Time: 5-9-08 /1045

Sampler: Briana Wright

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
80	Pressure (PSI)	
22.0	Refill Time	
8.0	Discharge time	

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI 1 TM1

Event: 2nd Quarter 2008
Date: 6/16/08

Well ID: MW-5
Static Water Level: 50.57

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008 Q1		PARAMETERS		....		15,899		2.47		3.89		203		5.17		50.76	
0917		START PUMP															
0922	0	500		16.71		15604		1.51	~~43~~	3.82		287.0	~~76~~	22.30		50.75	✓0.18
0927	5	460		16.04	4.1	15,655	✓.3	0.97	48	3.78	✓0.04	244.1	16	5.91	✓ <10 ✓		
0932	10			15.98	✓0.4	15,635	✓.1	0.87	✓ 10	3.80	✓.02	236.4	✓ 3.2				
0937	15			15.94	✓0.2	15,634	✓	0.76	✓ 13	3.85	✓.05	233.9	✓ 1	0.22	✓	15.80	✓0.23
0942	20			15.94	✓	15,641	✓	0.78	✓	3.83	✓	232.6	✓				
0947	25	↓		15.96	✓	15,674	✓	0.81	✓	3.84	✓	231.2		0.04	✓		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: MW-5 **Sample Date and Time:** 6/16/08 0947 **Sampler:** Penny Bassett

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
✓	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments: Gas bubbles building up inside flow cell during first 10-15 min of purge then much less, bubbles caused by degassing of water, not malfunction in bladder pump

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Bassett QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 5-9-08

Well ID: PA-MW1
Static Water Level: 96.62

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1203	0	450		17.69		1962		1.48	~~32.2~~	7.46		121.7	~~1.67~~	1.65		96.64	0.02
1208	5	450		17.54	0.80	1953	0.46	1.07	32.2	7.44	0.02	123.7	1.63	3.56	73.3	96.65	0.03
1213	10	450		17.50	0.23	1952	0.05	0.97	9.0	7.45	0.01	125.0	1.04	1.12	104.3	96.61	0.01
1218	15	450		17.47	0.17	1952	0	0.97	0	7.45	0	126.6	1.27	0.92	19.6	96.66	0.04
1223	20	450		17.50	0.17	1951	0.05	0.94	3.14	7.45	0	128.1	1.18	0.95	3.2	96.65	0.03
1228	25	450		17.64	0.80	1951	0	0.86	8.89	7.44	0.01	129.1	1.47	1.30	31.11	96.64	0.02
1233	30	450		17.73	0.51	1954	0.15	0.89	3.43	7.44	0	130.0	0.70	0.88	38.5	96.64	0.02
1238	35	450		17.91	1.01	1955	0.05	0.89	0	7.44	0	130.8	0.61	0.47	60.7	96.64	0.02
1243	40	450															
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID:

Sample Date and Time: 5-9-08 1240

Sampler: Briana Wright

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
✓ X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp / (Gasoline Comp) / Comp Gas	
2	Cycles per Minute
80	Pressure (PSI)
20	Refill Time
10	Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6-9-08

Well ID: PA-MW-2
Static Water Level: 142.20

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1447	0	280		19.58		1999		4.26		6.61		154.0		0.49		142.27	0.07
1452	5	280		19.25	1.70	2090	4.45	3.64	15.7	6.79		133.6	14.2	1.12	78.26	142.31	0.11
1457	10	280		19.17	0.42	2161	3.37	3.82	[illegible]	6.78		147.8	10.1	0.42	90.91	142.25	0.05
1502	15	280		19.63	2.37	2170	0.46	3.06	1.64	6.78		153.1	3.52	0.24	54.55	142.27	0.07
1507	20	280		19.69	0.20	2162	0.37	3.85	0.30	6.79		155.8	1.75	0.24	0	142.29	0.09
1512	25	280		19.83		2154	0.37	3.98	3.32	6.80		157.8	0.64	0.05		142.35	
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID:

Sample Date and Time: 6-9-08 1515

Sampler: Briana Wright

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
80	Pressure (PSI)	
19	Refill Time	19
11	Discharge time	11

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

Comments:

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date:

Well ID: PA-MW-3
Static Water Level: 116.67

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
1646	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
~~1700~~	0	500		18.42		1756		3.90		7.24		7.9		3.27		116.74	~~0.07~~ 800
1651	5	500		18.18	1.31	1748	0.46	0.66	142.11	7.12	0.12	102.4	171.4	4.14	23.48	116.79	0.07
1656	10	500		18.09	0.50	1753	0.29	0.70	5.80	7.12	0	121.5	17.66	1.45	96.24	116.79	0.07
1701	15	500		17.92	0.94	1752	0.06	0.69	1.43	7.12	0	129.3	6.22	0.80	57.78	116.80	0.13
1706	20	500		18.12	1.11	1743	0.52	0.62	10.69	7.13	0.01	134.0	3.57	0.52	42.42	116.78	0.11
1711	25	500		17.98	0.78	1744	0.06	0.69	10.64	7.12	0.01	140.2	4.5	0.22	81.05	116.77	
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID:

Sample Date and Time: 6-9-08 1713

Sampler: Briana Wright

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
80	Pressure (PSI)	
19	Refill Time	
11	Discharge time	

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Comments:

Field Review: P Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #1 TM #2

Event: 2nd Quarter 2008
Date: 6/11/08

Well ID: PW-1
Static Water Level:

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1200	—	—	—	16.63	—	4136	—	—	—	4.00	—	288.0	—	0.81	—	—	—
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: PW-1
Sample Date and Time: 6/11/08 1200
Sampler: Penny Bassett

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

None

Prod. Pump no purge

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

Comments:

3 Consecutive stable readings before sampling

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #1 TM #2

Event: 2nd Quarter 2008
Date: 6/11/08

Well ID: PW-2
Static Water Level:

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008	Q1	PARAMETERS		...		4460				4.16							
1630	—	—	—	14.79	—	6816	—	—	—	4.00	—	254.9	—	0.12	—		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: PW-2-D1
Sample Date and Time: 6/11/08 1630
Sampler: Penny Bassett

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID: PW-2-D2

	✓	Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Production Pump no purge

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI / TM /

Event: 2nd Quarter 2008
Date: 6/17/08

Well ID: PW-3
Static Water Level: Not measured

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008 Q1		PARAMETERS		---		8929				4.15							
1000	no	AREE		14.92		8268				3.97		249.7		0.16			
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: PW-3 **Sample Date and Time:** 6/17/08 1000 **Sampler:** Penny Barrett

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID:		
NONE		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Production pump

Bladder Pump Information:		
DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/17/08

Well ID: PW-4
Static Water Level: Not measured

BROWN AND CALDWELL

YSI 1 TM 1

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1035	No	PURGE		15.24		5948		0.84		5.57		117.4		8.06			
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: PW-4 **Sample Date and Time:** 6/17/08 1035 **Sampler:** Penny Barrett

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
✓	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments: Water is slighly effervescent

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: Penny Barrett QAQC Review:

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 2nd Quarter 2008
Project Number: 134557
Date: 6/9/08
Samplers: Royanne Barringer
Start Time 14:50
Sample Time 15:00

Well Information

	new	old		
Well ID:		PW-5		
Casing Diameter:	5.761	1.35	in	* multiplier
Total Depth		55		ftbtoc
Screen Interval	34	54		ftbgs
Approx depth to water		44.13		ftbtoc
Depth of Pump		50		ftbtoc
Sample Pump Type		Production		
Approx. purge volume		44.0235		gal
Purge Water Containment		Header Pipe		

Measured Information

Depth to Water _____ ftbtoc
Pump Used Production
Pump Deconned Before Use ____yes ____ no
Actual Depth of Pump _____ ftbtoc
Pump Settings _____

Note: Sample without additional purge

Well Purging Record

Time	Purge Flowrate	Total Gals	PH		Conductivity		Temperature		Turbidity
			S.U.	Delta	uS/cm	%RPD **	°C	%RPD **	
15:00			~~4.69~~				12.0		1.01 ✓
			5.84		~~4.61~~ MS				
					4.610				
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container			Field Prep		Analysis	Lab
			Qty	Size	Type	Filter	Preserv.		
PW-5	6/9/08	~~14:50~~ 15:00	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Metals	TA-IRV
			7	1000 ml	P	Y	HNO_3	Radiochem	TA-R

Duplicate Sample ID _____
Field Blank Sample ID _____
Equip. Blank Sample ID _____
Other QC: MS/MSD _____
Level IV _____

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

$$**RPD\ \% = 200 * \frac{X_1 - X_2}{X_1 + X_2}$$

P Barrett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 2nd Quarter 2008
Project Number: 134557
Date: 6/9/08
Samplers: Royanne Barringer

Start Time 14:20
Sample Time 14:28

Well Information

	new	old		
Well ID:		PW-6		
Casing Diameter:	4	0.65	in	* multiplier
Total Depth		48		ftbtoc
Screen Interval	28	45		ftbgs
Approx depth to water		43.83		ftbtoc
Depth of Pump		41		ftbtoc
Sample Pump Type		Production		
Approx. purge volume		8.1315		gal
Purge Water Containment		Header Pipe		

Measured Information

Depth to Water _____ ftbtoc
Pump Used Production
Pump Deconned Before Use ____yes ____ no
Actual Depth of Pump _____ ftbtoc
Pump Settings _____

Note: Sample without additional purge

Well Purging Record

Time	Purge Flowrate	Total Gals	PH		Conductivity		Temperature		Turbidity
			S.U.	Delta	uS/cm	%RPD **	°C	%RPD **	
14:28			6.79		~~3.78 mS~~ 3.730 uS/cm		16.6		2.20
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container			Field Prep		Analysis	Lab
			Qty	Size	Type	Filter	Preserv.		
PW-6	6/9/08	14:28	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Metals	TA-IRV
			7	1000 ml	P	Y	HNO_3	Radiochem	TA-R

Duplicate Sample ID _____
Field Blank Sample ID _____
Equip. Blank Sample ID _____
Other QC: MS/MSD _____
Level IV _____

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

$$**RPD\ \% = 200 * \frac{X_1 - X_2}{X_1 + X_2}$$

P Barrett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 2nd Quarter 2008
Project Number: 134557
Date: 6/9/08
Samplers: R. Barringer

Start Time 11:35
Sample Time 11:40

Well Information

	new	old		
Well ID:		PW-7		
Casing Diameter:	4	0.65	in	* multiplier
Total Depth		49		ftbtoc
Screen Interval	26.5	46		ftbgs
Approx depth to water		40.12		ftbtoc
Depth of Pump		43		ftbtoc
Sample Pump Type		Production		
Approx. purge volume		17.316		gal
Purge Water Containment		Header Pipe		

Measured Information

Depth to Water _____ ftbtoc
Pump Used Production
Pump Deconned Before Use ____yes ____ no
Actual Depth of Pump _____ ftbtoc
Pump Settings _____

Note: Sample without additional purge

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
11:40			6.60		~~5.60~~ 7.78 mS		16.8		14.3
					~~17780 uS/cm~~ 7780 uS/cm				
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
PW-7	6/9/08	11:40	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Metals	TA-IRV
			7	1000 ml	P	Y	HNO_3	Radiochem	TA-R

Duplicate Sample ID _____
Field Blank Sample ID _____
Equip. Blank Sample ID _____
Other QC: MS/MSD _____
Level IV _____

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

$$**RPD\ \% = 200 * \frac{X_1 - X_2}{X_1 + X_2}$$

P Barrett

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #1 TM #2

Event: 2nd Quarter 2008
Date: 6/11/08

Well ID: PW-8
Static Water Level:

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008 Q1		PARAMETERS		...		6170				6.48							
1520	—	—	—	19.12	—	6226	—	—	—	6.37	—	180.3	—	3.12	—		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: PW-8
Sample Date and Time: 6/11/08 1520
Sampler: Penny Bassett

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID:

		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Production Pump no purge

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments: Very low pressure at well, collected sample unfilt + unpreserv and filtered + preserv in field office w/in 1hr of collection

YSI #1

%RPD = 200 X (Read 1 - Read 2) / (Read 1 + Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Bassett

QAQC Review:

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 2nd Quarter 2008
Project Number: 134557
Date: 6/9/08
Samplers: Roy Anne Barringer

Start Time 11:05
Sample Time 11:15

Well Information

	new	old		
Well ID:		PW-9		
Casing Diameter:	4	0.65	in	* multiplier
Total Depth		52		ftbtoc
Screen Interval	29	49		ftbgs
Approx depth to water		11.18		ftbtoc
Depth of Pump		43		ftbtoc
Sample Pump Type		Production		
Approx. purge volume		79.599		gal
Purge Water Containment		Header Pipe		

Measured Information

Depth to Water _____ ftbtoc
Pump Used Production
Pump Deconned Before Use ____yes ____ no
Actual Depth of Pump _____ ftbtoc
Pump Settings _____

Note: Sample without additional purge

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
11:15			6.48		1244 mS		17.1		2.20
					12140 uS				
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Sample Container Size	Sample Container Type	Field Prep Filter	Field Prep Preserv.	Analysis	Lab
PW-9	6/9/08	11:15	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Metals	TA-IRV
			7	1000 ml	P	Y	HNO_3	Radiochem	TA-R

Duplicate Sample ID _____
Field Blank Sample ID _____
Equip. Blank Sample ID _____
Other QC: MS/MSD _____
Level IV _____

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

$$**RPD\ \% = 200 * \frac{X_1 - X_2}{X_1 + X_2}$$

P Barrett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 2nd Quarter 2008
Project Number: 134557
Date: 6/9/08
Samplers: R Barnett

Start Time ~~9:55~~ 10:35
Sample Time 10:45

Well Information

	new	old		
Well ID:		PW-10		
Casing Diameter:	4	0.65	in	* multiplier
Total Depth		50		ftbtoc
Screen Interval	27	47		ftbgs
Approx depth to water		10.92		ftbtoc
Depth of Pump		44		ftbtoc
Sample Pump Type		Production		
Approx. purge volume		76.206		gal
Purge Water Containment		Header Pipe		

Measured Information

Depth to Water _____ ftbtoc
Pump Used Production
Pump Deconned Before Use ____yes ____ no
Actual Depth of Pump _____ ftbtoc
Pump Settings _____

Note: Sample without additional purge

Well Purging Record

Time	Purge Flowrate	Total Gals	PH		mS Conductivity		Temperature		Turbidity
			S.U.	Delta	uS/cm.	%RPD **	°C	%RPD **	
10:4			6.39		~~17.14~~ 17140 uS		18.9		22.80
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container			Field Prep		Analysis	Lab
			Qty	Size	Type	Filter	Preserv.		
PW-10	6/9/08	10:45	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Metals	TA-IRV
			7	1000 ml	P	Y	HNO_3	Radiochem	TA-R

Duplicate Sample ID _____
Field Blank Sample ID _____
Equip. Blank Sample ID _____
Other QC: MS/MSD _____
Level IV _____

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

$$**RPD\ \% = 200 * \frac{X_1 - X_2}{X_1 + X_2}$$

R Barnett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 2nd Quarter 2008
Project Number: 134557
Date: 6/9/08
Samplers: Roxanne Barringer

Start Time 9:02
Sample Time 9:10

Well Information

	new	old		
Well ID:		PW-11		
Casing Diameter:	4	0.65	in	* multiplier
Total Depth		52		ftbtoc
Screen Interval	29	49		ftbgs
Approx depth to water		44.03		ftbtoc
Depth of Pump		44		ftbtoc
Sample Pump Type		Production		
Approx. purge volume		15.5415		gal
Purge Water Containment		Header Pipe		

Measured Information

Depth to Water 46.84 ftbtoc
Pump Used Production ~~N/A~~
Pump Deconned Before Use ____yes ____ no
Actual Depth of Pump ftbtoc
Pump Settings

Note: Sample without additional purge

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
9:10			6.40		~~11.22 mS~~ 11220 uS		12.3		4.50
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
PW-11	6/9/08	9:10	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Metals	TA-IRV
			7	1000 ml	P	Y	HNO_3	Radiochem	TA-R

Duplicate Sample ID
Field Blank Sample ID
Equip. Blank Sample ID
Other QC: MS/MSD
Level IV

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

**RPD % = $200 * \frac{X_1 - X_2}{X_1 + X_2}$

P Barrett

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/11/08

Well ID: USEPA-2
Static Water Level: 19.33 TD = 19.8

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008 Q1		PARAMETERS		...		475				7.15							
1435 - Installed geosquirt pump at bottom of well. Pumped ~ 1L + well dry. Not enough water in well to collect a sample																	
NO SAMPLE COLLECTED																	
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: | **Sample Date and Time:** | **Sampler:** P Barnett

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: _____ QAQC Review: _____

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #1 TM #2

Event: 2nd Quarter 2008
Date: 6/11/08

Well ID: USGS-2B
Static Water Level: 15.83 TD=29.5

BROWN AND CALDWELL

	Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
		min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
	2008	Q1 PARAMETERS			...		5950				4.13				0.4		13.1	May
on	1113	START PUMPING																
off	1118			~2 gal	15.08		5828		2.55		3.42		369.7				Pump dry + stop	
on	1137	add 10um filter to disch line before flow cell																
off	1142			~5 gal	15.50		5675		—		3.79		315.4				pump dry	
on	1206	Pump																
off	1211			~7 gal	14.85		5621		—		3.98		281.9		1.2		pump dry	
on	1230	Collect Sample																
Criteria		60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: USGS-2B **Sample Date and Time:** 6/11/08 1230 **Sampler:** Penny Bassett

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Geosquirt

Bladder Pump Information:	
DC Comp	Gasoline Comp / Comp Gas
	Cycles per Minute
	Pressure (PSI)
	Refill Time
	Discharge time

Comments: 1 casing vol = (13.7 ft)(0.16 gal/ft) = 2.2 gal (2" casing)
3x purge = 6.6 gal
Pump set @ 28 ft bmp

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Bassett QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #2 TM #1

Event: 2nd Quarter 2008
Date: 6/11/08

Well ID: USGS-13
Static Water Level: 14.08

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1630	0	300	0	15.23		2418		8.04		7.34		122.2					
1635	5	300	1.5	14.19	15	2419	<1	4.25	62	7.23	0.11	122.4	<1	0.50		14.6	
1640	10	250	3	13.91	2	2415	<1	2.71	44	7.19	0.04	122.2	<1			14.4	0.32
1645	15	250	4.25	13.93	<1	2409	<1	1.62	50	7.19	0	120.0	2				
1650	20	250	5.5	13.90	<1	2411	<1	1.48	9	7.19	0	115.4	4	0.91			
1655	25	250	6.75	13.89	<1	2410	<1	1.34	10	7.11	0.08	117.2	2			14.4	
1700	30	250	8	13.88		2414		1.23	9	7.10		117.1		0.61			
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: USGS-13 **Sample Date and Time:** 6/11/08 1700 **Sampler:** TMR

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
15	Pressure (PSI)	
20	Refill Time	
10	Discharge time	

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6-10-08

Well ID: UW-1
Static Water Level: 106.09

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1108	0	460		17.70		3499		13.29		6.56		109.1		77.51		106.10	0.01
1113	5	460		16.26	8.48	3808	8.46	1.46	160.41	5.91	0.65	49.0	76.03	5.51	173.45	106.19	0.10
1118	10	460		16.04	1.36	3835	0.71	0.77	61.88	4.86	0.95	28.5	52.90	0.62	159.54	106.14	0.05
1123	15	460		15.97	0.44	3832	0.08	0.73	5.33	5.90	0.96	16.3	54.50			~~106.1~~	
1128	20	460		16.00	0.19	3839	0.18	0.60	19.55	5.92	0.02	8.9	58.73	0.86	32.43	106.10	0.07
1133	25	460		15.98	0.13	3828	0.29	0.52	14.29	5.90	0.02	3.3	91.80				
1138	30	460		15.97	0.06	3829	0.03	0.53	1.90	5.92	0.02	1.3	86.96	0.13	147.47	106.15	0.06
1143	35	460		16.06	0.56	3823	0.16	0.50	5.83	5.56	0.36	5.0	117.46				
1148	40	460		16.00	11.40	3825	0.05	0.49	2.62	5.93	0.37	7.7	42.52	0.21	47.10	106.20	0.11
1153	45	460		16.01	11.70	3816	0.24	0.48	2.06	5.93	0	10.0	26.0				
1158	50	460		15.87	0.88	3808	0.21	0.48	0	5.97	0.67	11.5	13.95	0.08	89.66	106.15	0.06
1203	55	460		15.84	0.19	3802	0.16	0.47	5.94	5.94	0.50	12.8	10.70				
1208	60	460		15.88	0.25	3798	0.11	0.47	0	5.94	0	14.4	11.80	0.22	43.33	106.11	0.02
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID:

Sample Date and Time: 6-10-08 1210

Sampler: Briana Wright

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: 10:50

DC Comp	Gasoline Comp	Comp Gas
2	Cycles ~~per Minute~~	
60	Pressure (PSI)	
20	Refill Time	
10	Discharge time	

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review:

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YS #2 TM #1

Event: 2nd Quarter 2008
Date: 6/11/08

Well ID: W32DC
Static Water Level: 20.78

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1510	0	500	0	14.81		252		1.41		8.27		68.7					
1515	5	500	2.5	14.43	3	251	<1 ✓	0.75	61	8.26	0.01 ✓	61.8	Δ<10	0.55		21.15	0.37
1520	10	300	4	14.63	1 ✓	251	0 ✓	0.74	1	8.24	0.02 ✓	58.5	5 ✓			21.00	0.22
1525	15	300	5.5	14.66	<1 ✓	251	0 ✓	0.61	19	8.24	0.0 ✓	57.9	1 ✓				
1530	20	300	7	14.66		251		0.63		8.22		58.4		0.42		21	
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: W32DC
Sample Date and Time: 6/11/08 1530
Sampler: TMR

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: Penny Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/10/08

Well ID: W4CB-2
Static Water Level: 21.51

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008		Q1 PARAMETERS				6591		0.53		5.82		20.2				21.93	
1042		START PUMPING															
1047	~~0~~	500	~~0~~	14.33	—	5323	—	1.86	—	5.71	—	32.0	—	26.16	—	21.65	✓
1052	5		2.5	14.24	✓<3	5762		1.96		5.60		30.5		21.72			
1057	10		5.0	14.24	✓	5908		1.62		5.80		4.3		14.77			
1102	15		7.5	14.22	✓	5935	✓	1.55	✓	5.84		-7.6		11.90		21.60	✓
1107	20		10.0	14.23	✓	5960	✓	1.48	✓	5.87		-19.9		10.66			
1112	25		12.5	14.26	✓	5981	✓	1.46	✓	6.16		-34.9		11.83			
1117	30		15.0	14.26	✓	5998	✓	1.44	✓	6.05		-37.6		16.74		21.61	✓
1122	35		17.5	14.18		6017		1.50	✓	5.85		-40.1		8.66	✓		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: ~~B/W~~ - W4CB-2-D1 11:22
Sample Date and Time: 6/10/08 11:22
Sampler: Penny Bassett

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID: W4CB-2-D2 11:50

	✓	Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
35	Pressure (PSI)	
20	Refill Time	
10	Discharge time	

Comments: Water has reddish Fe color w/ mod visible floating sediment/particles initially. Water has an odor

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/10/08

Well ID: W5AA-1
Static Water Level: 17.57

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008 Q1		PARAMETERS...				820		0.36		8.05		92.4		0.22		17.75	
1448		START PUMPING															
1501	0	500	0	14.83	—	916	—	1.30	—	7.85	—	109.4	—	0.02	<10NTU	17.68	✓
1506	5		2.5	14.67	✓	940		0.65		7.85	✓	105.0	✓				
1511	10		5.0	14.65	✓	935	✓	0.55	✓	7.87	✓	100.7	✓	0.08	✓	17.71	✓
1516	15		7.5	14.66	✓	930	✓	0.57	✓	7.88	✓	98.5	✓				
1521	20		10.0	14.71	✓	925	✓	0.53	✓	7.89	✓	96.4	✓	0.29	✓		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: W5AA-1-D1 @ 1521 **Sample Date and Time:** 6/10/09 **Sampler:** Penny Bassett

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID: W5AA-1-D2 @ 1545

✓	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
40	Pressure (PSI)	
19	Refill Time	
11	Discharge time	

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Comments:

Field Review: PBassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI #1 TM #2

Event: 2nd Quarter 2008
Date: 6/11/08

Well ID: W5AA-3
Static Water Level: 20.74

BROWN AND CALDWELL

not an air free discharge line

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008 Q1		PARAMETERS		...		5880				6.96						20.63	
09[illegible]		START PUMPING															
0915			~1.5 gal	15.41		5747		4.84		6.81		171.1	✓	5.33	<10	cannot	measure
0920			~3.5 "	15.23		5788		3.47		6.82	✓	171.9	✓	1.65	✓		
0925			~4.5	15.15		5784		3.23		6.82	✓	171.8	✓	0.78	✓		
0930			~5.5	15.04		5778		3.11		6.83	✓	171.7	✓	1.23	✓		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: WSAA-3 **Sample Date and Time:** 6/11/08 0930 **Sampler:** Penny Bassett

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

None

Geosquirt

Bladder Pump Information:		
DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments: ~~Well depth = 20'~~ WL = 20.74 Total Depth 23.25 2" well
1 casing vol = (2.5')(0.16 gal/ft) = 0.4 gal
3x purge rqd = 1.2 gal
NOTE 1) There is air in discharge line DO reading may not be representative
2) steady flow ~0.5 gpm, well has not run dry

%RPD = 200 X (Read 1 - Read 2) / (Read 1 + Read 2)

2 Consecutive stable readings before sampling

Field Review: Penny Bassett QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/10/08

Well ID: W5AB-2
Static Water Level: 16.11

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008 Q1		PARAMETERS ...				7592		1.87		6.13		160.1		1.31		19.31	
1652	START PUMPING																
1657	~~0~~	500	~~0~~	15.11	—	7524	—	3.87	—	5.63	—	168.5	—	12.75	—	16.29	✓
1702	5		2.5	14.97	✓	7304		3.22		5.96		170.3	✓	12.76			
1707	10		5.0	14.94	✓	7317	✓	2.73		6.01	✓	176.1	✓	12.06			
1712	15		7.5	14.95	✓	7329	✓	2.44		6.00	✓	179.2	✓	8.09	✓	16.28	✓
1717	20		10.0	14.91	✓	7345	✓	2.31		6.01	✓	181.2	✓	8.12	✓		
1722	25		12.5	14.85	✓	7361	✓	2.15		6.01	✓	182.2		5.83	✓		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: W5AB-2 **Sample Date and Time:** 6/10/08 1722 **Sampler:** Penny Bassett

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		~~MS/MSD~~
		~~Level IV~~
		Field Blank
		EQ Rinsate Blank

Non

Bladder Pump Information:

DC Comp / Gasoline Comp / Comp Gas	
2	Cycles per Minute
25	Pressure (PSI)
23	Refill Time
7	Discharge time

Comments: There appeared to be some minor loss of pressure during the refill cycle where water in discharge tube would fall 3-4" back into well. There were no bubbles in sample line coming into flow cell

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: PBassett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6-10-08

Well ID: W5-AB-3
Static Water Level: ~~W5-AB-3~~ 18.92

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1423	0	440		15.21		2941		0.49		6.78		65.1		54.54		19.10	0.82
1428	5	440		15.20	0.07	29164	0.78	0.54	9.71	6.79	0.01	67.8	4.06	45.23	18.66	19.13	0.79
1433	10	440		15.16	0.26	2972	0.27	0.49	9.71	6.85	0.06	69.6	2.62	–		~~19.09~~	
1438	15	440		15.18	0.13	2982	0.34	0.46	6.32	6.78	0.07	71.6	2.83	30.38	39.30	19.09	0.17
1443	20	440		15.30	0.79	2992	0.33	0.45	2.20	6.85	0.07	73.1	2.07	17.02	56.37		
1448	25	440		15.37	0.46	3007	0.50	0.42	6.90	6.72	0.13	74.4	1.76	13.24	25.00	19.12	0.20
1453	30	440		15.34	0.20	3009	0.10	0.41	2.41	6.77	0.05	75.7	1.73	13.93	5.10		
1458	35	440		15.30	0.26	3015	0.20	0.39	5.0	6.70	0.07	76.8	1.44	11.41	19.90	19.17	0.25
1503	40	440		15.30	0	3019	0.13	0.38	2.60	6.75	0.05	77.9	1.42	11.71	2.60		
1508	45	440		15.31	0.07	3020	0.03	0.36	5.41	6.99	0.24	78.1	0.26	11.59	1.03	19.05	0.12
1513	50	440		15.26	0.33	3023	0.10	0.36	6	6.77	0.20	79.9	2.28	9.95	15.23		
1518	55	440		15.32	0.40	3022	0.03	0.35	2.82	6.87	0.10	80.2	0.37	11.15	11.37	19.06	0.01
1523	60	440		15.30		3029		0.36		6.77		81.5					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID:

Sample Date and Time: 6-10-08 1525

Sampler: Briana Wright

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
61	Pressure (PSI)	
20	Refill Time	
10	Discharge time	

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

Comments:

3 Consecutive stable readings before sampling

Field Review:

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6/10/08

Well ID: W5 BB
Static Water Level: 27.31

BROWN AND CALDWELL

	Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
		min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
	16:48	0	480		16.50		3362		6.57		7.29		126.2		0.82		27.43	0.12
	16:53	5	480		16.46	0.24	3328	0.47	6.18	6.12	7.23	0.06	127.0	0.63	0.94		27.38	0.07
	16:58	10	480		16.49	0.18	3405	0.79	5.95	3.8	7.21	.02	127.8	0.63	0.83	12.42	27.40	0.09
1703	17:03	15	480		16.44	0.30	3419	0.41	6.03	1.34	7.21	0	128.1	0.23	—		—	
1708	17:18	20	480		16.44	0	3425	0.17	6.04	0.16	7.21	0	128.5	0.31	0.21	<10	27.40	0
1713	17:23	25	480															
Criteria		60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID:

Sample Date and Time: 6/10/08 17:12

Sampler: R Bannister

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
60	Pressure (PSI)	
20	Refill Time	
10	Discharge time	

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: _____

QAQC Review: _____

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
S13 TM3

Event: 2nd Quarter 2008
Date: 6-16-08

Well ID: W5-DB
Static Water Level: 36.56

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1626	0	480	0.48	15.96		837		0.98		7.76		36.5		1.88		36.58	0.02
1631	5	480	0.96	15.74	1.39	823	1.67	0.92	3.21	7.77	0.01	-40.7	32.5	0.46	118.6	36.56	0.02
1636	10	480	1.44	15.75	0.06	820	0.37	0.95	3.29	7.77	0	-32.2	23.32	0.39	51.28	36.56	0.02
1641	15	480	1.92	15.78	0.19	817	0.37	1.05	7.9	7.77	0	-25.7	22.45	1.01	110.7	36.58	0.02
1646	20	480	2.40	15.79	0.06	810	0.86	1.18	11.64	7.76	0.01	-20.2	23.97	0.27	140	36.54	0.03
1651	25	480	2.88	15.76	0.19	810	0	1.19	0.84	7.54	0.22	-8.6	80.56	0.59	2.10	—	—
1656	30	480	3.36	15.66	0.64	804	0.74	1.33	11.11	7.71	0.17	-6.9	21.94	—	—	—	—
1701	35	480	3.84	15.72	0.26	803	0.12	1.36	2.23	7.73	0.02	-4.3	41.42	0.27	210	36.6	0.04
1706	40	480	4.32	15.59	0.70	797	0.75	1.46	7.41	7.71	0.02	-1.1	118.51	—	—	—	—
1711	45	480	4.80	15.86	1.71	796	0.13	1.49	1.37	7.62	0.09	5.4	132.39	0.59	210	36.59	0.03
1716	50	480	5.28	15.74	0.76	795	0.13	1.54	4.65	7.72	0.10	6.7	21.49	—	—	—	—
1721	55	480	5.70	15.56	1.15	795	0	1.63	5.68	7.71	0.01	8.9	8.68	0.46	210	36.53	0.03
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: W5DB
Sample Date and Time: 6/16/08 17:23
Sampler: Roxanne Barringer

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
90	Pressure (PSI)	
16	Refill Time	
14	Discharge time	

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

Comments:

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Event: 2nd Quarter 2008
Date: 6-12-08

Well ID: WW-1
Static Water Level: 42.93

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1530	0	500		16.33		524		0.33		7.87		276		16.43		42.94	0.01
1535	5	500		16.29	0.25	521	0.57	0.23	35.71	7.89	0.02	52.2	61.65	—	—	—	—
1540	10	500		16.36	0.43	519	0.38	0.21	9.09	7.93	0.04	68.2	26.58	6.39	<10	42.89	0.04
1545	15	500		16.36	0	518	0.19	0.21	0	7.93	0	85.7	2300	—	—	—	—
1550	20	500		16.28	0.50	516	0.39	0.21	0	7.94	0.01	106.5	21.41	5.15	<10	42.95	0.02
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: WW-1 **Sample Date and Time:** 6-12-08 1600 **Sampler:** Briana Wright

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information: ID: 54

DC Comp	Gasoline Comp	Comp Gas
2	Cycles per Minute	
50	Pressure (PSI)	
16	Refill Time	
14	Discharge time	

Comments: Did not log functions on YSI.

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: Penny Barrett QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
VSII TM2

Event: 2nd Quarter 2008
Date: 6/18/08

Well ID: WW-2
Static Water Level: 44.64

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
1440	0	500	0	16.84		482		0.63		7.66		-132.1					
1445	5	500	2.5	16.78	<1	484	<1	0.28	Δ0.35	7.79	0.13	-164.1	22	11.65			
1450	10	500	5	16.78	0 ✓	489	1 ✓	0.21	Δ0.07	8.04	0.25	-182.1	10	10.71	8	44.77	0.13
1455	15	500	7.5	16.81	<1 ✓	496	1	0.19	Δ0.02	8.03	0.01	-174.6	4 ✓	11.28	5		
1500	20	500	10	16.88	<1	506	2	0.21	Δ0.02	7.97	0.06	-162.9	7	9.69	<10 NTU ✓		
1505	25	500	12.5	16.92	<1	522	3	0.25	Δ0.04	7.85	0.12	-143.9	12	9.19		44.77	
1510	30	500	15	17.09	<1	525	<1	0.24	Δ0.01	7.82	0.03	-136.7	5				
1515	35	500	17.5	16.98	<1	528	<1	0.25	Δ0.01	7.79	0.03	-131.7	4	9.31			
1520	40	500	20	16.82		535		0.29		7.77		-125.4		9.26		44.77	
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: WW-2 **Sample Date and Time:** 6/18/08 1520 **Sampler:** TMR

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI / TM /

Event: 2nd Quarter 2008
Date: 6/17/08

Well ID: WW-36
Static Water Level: Not measured

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008	Q1	PARAM	ETERS	...		482				7.35							
NO PURGING																	
0845				22.77	—	509	—	—	—	7.39	—	100.5	—	1.27	—		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: WW-36 **Sample Date and Time:** 6/17/08 0845 **Sampler:** Penny Barrett

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID: NONE

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Dedicated Production Pump

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments: Connect small sample hose to discharge tap. Cannot purge well because it is used its water supply

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Barrett QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI I TM I

Event: 2nd Quarter 2008
Date: 6/16/08

Well ID: WW-40
Static Water Level: not measured

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	~~min~~	~~ml/min~~	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008 Q1		PARAMETERS				501				7.13							
0740		START	PUMPING											~~1.56~~			
0840		35 gpm		14.98		530		—		6.95				1.56	<10		
1200				—		556				7.25		150.3					
1400				15.10		545				7.25	0	142.1		0.35	✓		
1600	8hr 20min					552				7.30	.05	157.5		1.70	✓		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: WW-40 **Sample Date and Time:** 6/16/08 1600 **Sampler:** Penny Bassett

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
NONE		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Production Pump

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments: Long purge time

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Bassett QAQC Review:

Groundwater Sampling Log - Low Flow Method

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557
YSI / TM /

Event: 2nd Quarter 2008
Date: 6/17/08

Well ID: WW-59
Static Water Level: not measured

BROWN AND CALDWELL

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	%RPD	NTU	%RPD	Ft	Drawdown
2008	Q1	PARAMETERS		...		821				7.60							
0800	0	30 gpm	0	START PUMPING													
0830	30			18.35	—	834	—	—	—	8.04	—	-15.1		4.45	—		
0930	60			18.96		837				7.81		-7.2		2.58			
1115	3hr			19.34		1023				7.27		-43.5		5.56			
1300	5hr			19.75		961				7.56		+45.8		2.19			
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: WW-59 **Sample Date and Time:** 6/17/08 1300 **Sampler:** Penny Bassett

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
NONE		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Generator connected to dedicated prod. pump.

Bladder Pump Information:

DC Comp	Gasoline Comp	Comp Gas
	Cycles per Minute	
	Pressure (PSI)	
	Refill Time	
	Discharge time	

Comments: 1x purge vol = ~1.5 hr pumping @ 30 gpm

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Bassett

QAQC Review: