EPL 5897

Groundwater - Quarterly Monitoring

4 - 6 April 2016

	EPL Identifyer		33	34	35	42	46	48	49	51
	NCC Identifyer		GW33	GW 34	GW 35	GW42	GW 46	GW 48	GW 49	GW 51
Parameter	Units	LOR								
Standing Water Level	mbtoc	0.01	33.68	8.26	38.54	16.51	7.86	45.25	19.29	15.54
pH Value	pH Unit	0.01	6.23	6.96	7.16	6.62	6.84	6.63	5.88	6.18
Electrical Conductivity @ 25°C	µS/cm	1	9350	9880	13100	2490	10000	1260	3240	1900
Total Dissolved Solids @180°C	mg/L	10	7560	5360	6910	1780	5750	809	1960	1190
Total Alkalinity as CaCO3	mg/L	1	100	521	737	493	385	452	202	294
Sulfate as SO4 - Turbidimetric	mg/L	1	3390	393	320	606	508	143	536	321
Chloride	mg/L	1	1420	2760	4000	153	2820	104	567	257
Calcium	mg/L	1	340	135	289	66	65	61	7	11
Magnesium	mg/L	1	535	133	192	58	140	39	40	27
Sodium	mg/L	1	1140	1580	2370	410	1640	179	560	384
Potassium	mg/L	1	37	16	16	13	29	6	13	8
Iron	mg/L	0.05	46.6	1.71	<0.05	1.36	2.66	0.14	0.17	1.46
Ammonia as N	mg/L	0.01	0.95	1.5	0.4	0.11	0.27	0.04	0.06	0.07
Nitrate as N	mg/L	0.01	0.46	0.01	8.32	<0.01	0.55	0.01	<0.01	<0.01
Total Organic Carbon	mg/L	1	5	8	8	8	6	9	10	7

Notes:

EPL monitoring points 43 & 47 contained insuficient water to permit sampling

EPL monitoring points 27 - 30, 36 & 50 are damaged or destoryed

EPL Monitoring points 31 & 32 were not sampled due to safety risk associated with subsurface gas exposure

Results preceded by < indicate that the results were below the detection limit for that analysis

LOR = limit of reporting

mbtoc = meters below top of casing