



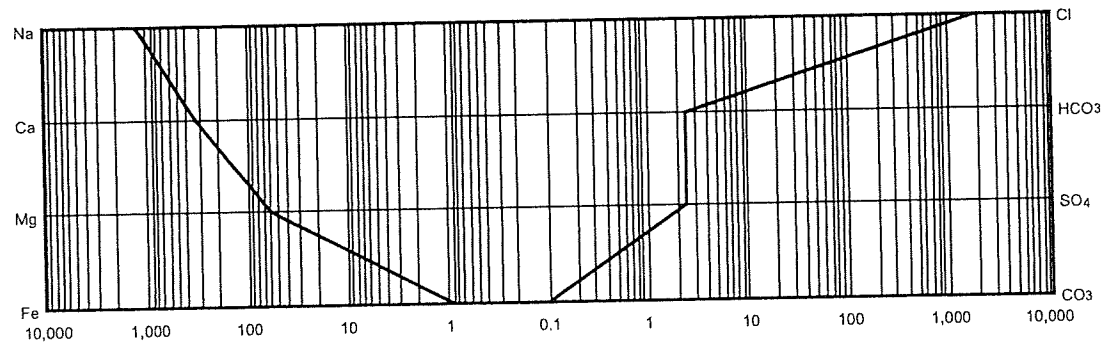
# WATER ANALYSIS

99 - 4 52134-2012-2577  
 CONTAINER IDENTITY METER ID WELL LICENSE NUMBER LABORATORY FILE NUMBER  
Arc Resources Ltd. 28  
OPERATOR PAGE  
 05-18-081-16W6 ARC Parkland 05-18-081-16W6  
 LOCATION (UWI) WELL NAME KB ELEV (m) GR ELEV (m)  
 Parkland Montney Core Lab - FSJ  
 FIELD OR AREA POOL OR ZONE SAMPLER

TEST TYPE AND NO. TEST RECOVERY  
 P-Tank POINT OF SAMPLE SAMPLE POINT ID  
 PUMPING FLOWING GAS LIFT SWAB  
 WATER m<sup>3</sup>/d OIL m<sup>3</sup>/d GAS m<sup>3</sup>/d  
 TEST INTERVAL or PERFS (meters) @ °C @ °C  
 SEPARATOR RESERVOIR OTHER CONTAINER WHEN SAMPLED CONTAINER WHEN RECEIVED SEPARATOR OTHER  
 19:45 Pressures, kPa (gauge) Temperatures, °C  
 2012 06 16 2012 06 25 2012 07 05 YW/MK @ °C  
 DATE SAMPLED (Y/M/D) DATE RECEIVED (Y/M/D) DATE ANALYZED (Y/M/D) ANALYST AMT. AND TYPE CUSHION MUD RESISTIVITY

CATIONS				ANIONS				Total Dissolved Solids (mg/L)	
ION	mg/L	mg Fraction	meq/L	ION	mg/L	mg Fraction	meq/L		
Na	28,480	0.2783	1,238.8	Cl	65,060	0.6357	1,835.1	Not Requested	Not Requested
K	1,090	0.0107	27.9	Br				By Evaporation @ 110 °C	By Evaporation @ 180 °C
Ca	6,240	0.0610	311.4	I					102340
Mg	690	0.0067	56.8	HCO <sub>3</sub>	147	0.0014	2.4		Calculated
Ba	3.7	0.0000	0.1	SO <sub>4</sub>	116	0.0011	2.4		
Sr	486	0.0047	11.1	CO <sub>3</sub>	0.00	0.0000	0.0	1.0747 @ 15.6 °C	1.3515 @ 23 °C
Fe	26	0.0003	0.9	OH	0.00	0.0000	0.0	Specific Gravity	Refractive Index (n <sub>D</sub> )
Mn	1.5	0.0000	0.1	H <sub>2</sub> S	N.D.			6.2 @ 25.0 °C	0.073 @ 25 °C
								pH	Resistivity (Ohm-Meters)

**LOGARITHMIC PATTERNS OF DISSOLVED IONS**  
meq/L



REMARKS: N.D.- Not Detected.