APPENDIX 2

Temperature results of fluid inclusions in the carbonate minerals

Borehole	Depth [m]	Object	Type of inclusions		Temperature characteristics [°C]				Fluid	Salinity [% NaCl]**	Density [g/cm^3]
			Number of phases*		T_e	T_m	T_{CL}	T_h			
Northeastern margin of the Holy Cross Mountains											
Gutwin	201.6	Pt sp rb cement		two				+107.0 +139.0			
Wąglany k/Opoczna	267.7	Ak cement		two (L1+L2)	–48.9	–12.9	+11.4	+168	brine	16.9	1.03
				two	–22						
	395.2	Sdp sp ooid		two				+94.7			
	406.0	Pt sp rb cement	one		–25.4	–1.5	+4.5		brine	1.7	1.01
			one		–27.3				brine		
			one		–56.0				CO_2		
	597.2	Pt sp rb ooid		two				+136.5 +137.1			
	600.2	Pt sp rb cement		two				+62.0 +98.8?			
	643.8	Sdp sp rb cement		two	–22	–6.8		>+90.0 +105.0 >110.0	brine	10.5	1.05
				two	–34.5	–8.9	+2.6	+99.7	brine	12.9	1.03
				two				+102.5	brine		
Częstochowa region											
Biskupice 25BN	134.7	Sdp sp cement	one	two	–52	–7.3	+1.3	>+90	brine	10.5	1.04
			one		–56.6				CO_2		
			one		–42		+8.0	+22			
				two	–29	–9.9		+60.2	brine	13.9	1.08
					–28	–10		+55	brine	13.9	1.08
			one		–52.2						
			one		–43.2						
			one			–3.4					
			one	two (L1+L2)		–6.9			brine	10.5	1.04
				two		–8.4		+88.1	brine	11.7	1.05
				two				+85.4			
				two				+97.4			
Łutowiec 135Ż	178.9	Sdp sp cement	one		–41.3	–4.4			brine	6.4	1.05
			one				+9.0		CO_2		
Parkoszowice 58BN	101.2	Ca vein	one					+28.7	CO_2		
		Sdp sp ooid	one	two	–23.4	–6.3			brine	9.2	1.07
			one		–42?				CO_2		
			one			–5.3			brine	7.8	1.06
			one			–1.2					
			one			–9.7				13.9	1.11
			one		–42						
			one		–22.3						
				two (L1+L2)	–35						
				two	–22	–6.3			brine	9.2	1.07
				two		–5.6			brine	9.1	1.07
Parkoszowice 58BN	102. 3	Sdp sp cement		two (L1+L2)		–7.5		>+110		10.5	1.02
			one		–20	–8.2		+9.6	CO_2	11.7	1.04
			one		–35.6		+3.1				
			one		–25.4						
			one	two	–44			+28			
	104. 1	Ca vein	one		–45	–9.0		+10	CO_2		
				two	–32	–9.2		+59.8	brine	12.9	1.07
				two				+67.8	brine		
		Sdp sp ooid	one	two (L1+L2)	–56.6				CO_2		
			one		–22.2	–5.3				7.8	1.06
			one		–40		+2.3				
Zrębice 33BN	372.7	Sdp sp rb cement	one					+28.2			
			one		–42	–9.2	+4.4			12.9	1.07
			one			–6.2				9.2	1.07

* – phase observations were conducted at room temperature in the interval of 19–29°C; ** – calculations of NaCl percentage and fluid density after Brown and Lamb equation, FLINCOR (Brown, 1989); T_e – eutectic temperature; T_m – ice melting temperature; T_{CL} – clathrate temperature; T_h – homogenization temperature; L1, L2 – different fluid phases; for other explanations see Table 1