

Budd et al. 2012 - SYNDEPOSITIONAL DEFORMATION FEATURES IN HIGH-RELIEF CARBONATE PLATFORMS: LONG-LIVED CONDUITS FOR DIAGENETIC FLUIDS

Micro Sample	$\delta^{18}\text{O}$ (‰ VPDB)	$\delta^{13}\text{C}$ (‰ VPDB)	comments
Calcite cements in host limestones			
8005.2	-8.21	-4.58	early calcite cement, luminescently zoned
9035.7	-8.51	-3.38	early calcite cement, luminescently zoned
9027-B	-8.53	-4.70	early calcite cement, luminescently zoned
8116-A	-8.70	-5.17	early calcite cement, luminescently zoned
8010.1-B	-8.94	-6.80	early calcite cement, luminescently zoned
8010.1-A	-10.13	-10.33	calc spar, luminescent, moldic pores
6113	-10.14	-8.47	calc spar, luminescent, interparticle pores
9016	-10.18	-4.86	calc spar, non luminescent, in moldic and interparticle pores
6002-B	-10.65	-10.16	calc spar, non luminescent
6001-B	-10.73	-11.54	calc spar, non luminescent
8001-C	-12.23	-13.61	calc spar, non luminescent, in fenestral pore
9024.3	-12.27	-9.50	calc spar, non luminescent
8003	-13.24	-17.14	calc spar, non luminescent, in center of interparticle pore
9022.8-A	-13.36	-11.73	calc spar, non luminescent
8010.9	-13.91	-18.10	calc spar, non luminescent, in center of interparticle pore
6114-A	-13.99	-16.81	calc spar, non luminescent
Calcitized Evaporite Pseudomorphs in host limestones			
5020-B	-8.75	-6.11	large calcite mass, luminescently zoned
6608-C	-10.07	-4.60	pseudomorphs in limestone host, luminescently zoned
8116-B	-10.25	-8.36	pseudomorphs in limestone host, non luminescent
8001.5-B	-11.33	1.94	center of large calcite mass, non luminescent
8101-C	-11.67	-13.80	large calcite mass, luminescently zoned
8001.5-C	-12.22	-13.13	center of large calcite mass, non luminescent
8101-B	-12.35	-13.07	large calcite mass, luminescently zoned
8111-A	-12.51	-15.03	pseudomorphs in limestone host, non luminescent
8012.4	-12.85	-8.13	large calcite mass, luminescently zoned
7033-C	-13.26	-14.59	pseudomorphs in limestone host
8121-A	-13.46	-13.79	large calcite mass, non luminescent
5001-A	-13.79	-11.37	large calcite mass, non luminescent
8001.5-E	-13.82	-0.31	center of large calcite mass, non luminescent
7033-A	-13.91	-15.63	nodular mass, non luminescent
7033-B	-14.12	-16.19	nodular mass, non luminescent
8001.5-F	-14.71	-2.38	center of large calcite mass, non luminescent
Dolomite Associated With Fractures			
6616-A	2.90	6.51	dolomite halo on one side of crack
6616-B	2.37	6.77	dolomite halo on other side of crack
6618-A	2.35	6.24	dolomitized sediment in fracture fill
6622-A	1.72	6.86	dolomite halo on one side of crack
6620	0.58	6.02	dolomitized isopachous cement
6621-B	0.51	6.60	dolomitized isopachous cement
6621-C	0.62	6.94	dolomitized isopachous cement
6616-D	1.04	5.85	dolomitized isopachous cement
Calcite Cements in Fractures (# = platform margin fracture)			
6107-A	-12.13	-9.07	luminescently zoned calcite mosaic along fracture wall
6107-B	-11.54	-2.80	luminescently zoned calcite mosaic, 1 mm from fracture wall
6107-C	-12.73	-11.44	irregularly luminescent calc spar (recrystallized evaporite), 3 mm from wall
6107-E	-12.86	-10.96	non-luminescent calc spar , 0.5 cm from wall
6107-F	-12.89	-12.37	non-luminescent calc spar , 0.8 cm from wall
6107-G	-13.13	-12.47	non-luminescent calc spar , 1.1 cm from wall
6107-H	-12.94	-11.45	non-luminescent calc spar , 2.0 cm from wall
6107-I	-12.91	-12.83	non-luminescent calc spar , 2.9 cm from wall
6107-J	-13.34	-12.81	non-luminescent calc spar in center of fracture , 3.5 cm from wall
6107-K	-13.56	-13.48	non-luminescent calc spar 0.6 cm beyond crack center
6107-L	-13.27	-12.83	non-luminescent calc spar 2.5 cm beyond crack center
6514-B	-11.62	-1.70	luminescently zoned calcite mosaic cementing breccia
6514-C	-13.17	-3.01	luminescent calc spar in small adjacent fracture
6514-D	-10.86	-1.43	luminescent calc spar in center of fracture
6514-E	-10.69	0.18	luminescent calc spar in center of fracture
6515-B	-11.74	-1.70	luminescent calc spar in 1 to 2 mm-wide fracture
6601-A #	-11.27	-6.96	neomorphosed non-luminescent isopachous cement
6601-D #	-8.72	-7.79	neomorphosed non-luminescent isopachous cement on opposite wall
6602-B #	-12.46	0.69	luminescent calc spar adjacent to fracture wall
6602-C #	-14.91	-0.13	luminescent calc spar between samples B and D
6602-D #	-12.71	0.41	luminescent calc spar in center of fracture
6603-E #	-12.60	-11.73	non-luminescent spar within layer of dolomite
6603-F #	-12.94	-6.51	luminescent calc spar in center of fracture
6609-A	-12.33	-14.78	adjacent to the fracture wall, non luminescent calc spar
6609-B	-12.15	-13.62	1 cm from the fracture wall, non luminescent calc spar
6609-C	-12.41	-12.59	2 cm from the fracture wall, non luminescent calc spar
6609-D	-12.88	-13.63	3 cm from the fracture wall, non luminescent calc spar
6609-E	-11.96	-13.87	4 cm from the fracture wall, non luminescent calc spar
6609-F	-13.15	-15.12	5 cm from the fracture wall, non luminescent calc spar
6609-G	-13.23	-15.33	6 cm from the fracture wall, non luminescent calc spar
6609-H	-13.18	-16.30	7 cm from the fracture wall, non luminescent calc spar
6609-I	-13.12	-17.43	8 cm from the fracture wall, non luminescent calc spar
6610-A	-12.85	-14.83	adjacent to the fracture wall, non luminescent calc spar
6610-B	-13.05	-14.41	0.5 cm from the fracture wall, non luminescent calc spar
6610-C	-13.06	-14.36	1 cm from the fracture wall, non luminescent calc spar
6610-D	-13.08	-15.06	1.5 cm from the fracture wall, non luminescent calc spar
6610-E	-12.76	-14.02	2 cm from the fracture wall, fracture center, non luminescent calc spar
6614	-12.19	-4.27	luminescently zoned calc spar adjacent to infiltrated sediment
6616-C	-13.76	-7.06	non-luminescent calc spar in center of fracture
6616-E	-13.52	-5.78	luminescent spar in dissolution voids of dolomitized isopachous cements on wall
6617-A	-14.83	-0.78	adjacent to the fracture wall, luminescent
6617-B	-11.38	1.96	1.5 cm from the fracture wall, luminescent calc spar
6617-C	-11.51	1.34	3 cm from the fracture wall, luminescent calc spar
6617-D	-11.74	1.42	4 cm from the fracture wall, luminescent calc spar
6617-E	-11.56	0.61	5 cm from the fracture wall, luminescent calc spar
6617-F	-13.85	0.94	6 cm from the fracture wall, luminescent calc spar
6619-A	-10.80	-0.95	calcite cementing breccia clasts 0.5 cm from wall, luminescent
6619-B	-14.23	-2.85	1st coarse calc spar adjacent to breccia, 1.5 cm from wall, luminescent calc spar
6619-C	-15.52	-3.13	center of fill, 3.5 cm from wall, luminescent calc spar
6619-D	-11.54	1.91	4 cm from first wall, 2 cm from opposite, luminescent calc spar
6619-E	-12.40	-1.09	calcite cementing breccia clasts on opposite wall, 5.0 cm from A, luminescently zoned
6621-A	-13.74	-14.48	luminescent calc spar in dissolution voids of dolomitized isopachous cements on wall
6621-D	-13.63	-13.55	non-luminescent calc spar near fracture wall
6621-E	-13.67	-13.37	non-luminescent calc spar in center of fracture
6622-B	-14.43	-8.99	luminescent calc spar
6626-B	-12.92	-13.38	0.7 cm from the fracture wall, non luminescent calc spar
6626-C	-13.87	-17.00	1.5 cm from the fracture wall, non luminescent calc spar
6626-D	-13.68	-15.03	2.5 cm from the fracture wall, non luminescent calc spar
6626-E	-13.91	-17.09	3.5 cm from the fracture wall, non luminescent calc spar
6626-F	-13.78	-16.32	4.5 cm from the fracture wall, non luminescent calc spar
6626-G	-13.37	-15.72	5.5 cm from the fracture wall, non luminescent calc spar
6626-H	-13.72	-16.76	6.5 cm from the fracture wall, non luminescent calc spar
6626-I	-13.69	-16.79	7.5 cm from the fracture wall, non luminescent calc spar
6628	-12.12	0.96	luminescent calc spar