

University of Wisconsin-Madison

Core	Library #	Location	Core Depth ft	Sample #	Lithology	87Sr/86Sr	d <sup>13</sup> C	d18O SMOW	% Ca
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	34	WB2-34	lam. micrite			2.28	22.09
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	34	WB2-34	lam. micrite			2.90	22.48
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	34	WB2-34	lam. micrite			<b>2.68</b>	22.36
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	39	WB2-39	lam. micrite			8.35	22.77
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	41	WB2-41	micrite			4.46	22.69
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	43.1	WB2-43.1	lam. micrite	0.71163		4.11	20.46
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	43.1	WB2-43.1	lam. micrite			4.50	20.84
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	43.1	WB2-43.1	lam. micrite			4.05	20.33
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	43.1	WB2-43.1	lam. micrite			<b>4.31</b>	20.59
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	48	WB2-48	micrite	0.71144		4.23	22.40
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	53	WB2-53	black lam. micrite			0.86	25.08
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	56	WB2-56	micrite			4.11	21.01
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	59	WB2-59	micrite			5.15	23.46
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	63	WB2-63	lam. micrite			4.37	20.70
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	66	WB2-66	micrite	0.71190		3.92	21.13
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	66	WB2-66	micrite			4.24	21.68
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	69	WB2-66	micrite			<b>4.15</b>	21.55
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	69	WB2-69	micrite			-10.63	22.18
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	72	WB2-72	micrite	0.71121		4.57	22.10
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	74	WB2-74	lam. micrite			2.98	20.54
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	77	WB2-77	lam. micrite			2.90	21.09
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	80.8	WB2-80.8	micrite	0.71161		5.09	24.76
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	83	WB2-83	lam. micrite			5.70	23.41
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	86	WB2-86	lam. micrite			5.60	23.15
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	89.1	WB2-89.1	duplicate	0.71154		5.51	22.45
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	89.1	WB2-89.1	micrite			5.31	22.49
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	89.1	WB2-89.1	weighted average			<b>5.42</b>	22.47
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	92	WB2-92	lam. micrite			3.44	22.29
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	92	WB2-92	lam. micrite			3.41	22.19
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	92	WB2-92	weighted average			<b>3.42</b>	22.24
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	95	WB2-95	lam. micrite			4.03	22.77
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	97	WB2-97	weakly lam. micrite			1.90	22.35
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	101	WB2-101	micrite	0.71174		3.38	23.45
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	101	WB2-101	micrite			3.91	24.07
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	101	WB2-101	weighted average			<b>3.60</b>	23.85
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	102	WB2-102	lam. micrite			2.16	23.10
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	103	WB2-103	lam. micrite			3.15	23.80
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	104	WB2-104	lam. micrite			4.36	24.86
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	104	WB2-104	lam. micrite			5.43	25.55
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	104	WB2-104	weighted average			<b>3.11</b>	25.37
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	105	WB2-105	lam. micrite			11.57	28.51
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	108	WB2-108	lam. micrite			8.48	29.98
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	109	WB2-109	silty micrite			5.56	28.05
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	110	WB2-110	silty micrite			6.69	28.55
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	111	WB2-111	stromatolite			8.20	28.47
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	112	WB2-112	weakly lam. micrite			5.67	26.99
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	112	WB2-112	weakly lam. micrite			6.48	27.73
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	112	WB2-112	weighted average			<b>6.19</b>	27.54
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	113	WB2-113	micritic rip-ups			7.29	27.33
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	114	WB2-114	dk. lam. micrite			7.61	28.30
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	115	WB2-115	lam. micrite			4.03	24.45
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	116	WB2-116	lam. micrite			4.65	24.51
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	117	WB2-117	lam. micrite			3.40	23.40
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	118	WB2-118	lam. micrite			4.27	24.40

Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	129	WB2-129	lam. micrite		6.02	25.95
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	132	WB2-132	lam. micrite		10.44	28.36
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	135	WB2-135	lam. micrite		6.07	26.29
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	138	WB2-138	lam. micrite		4.63	24.87
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	145	WB2-145	dk. lam. micrite		4.74	25.72
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	187	WB2-187	dolomicrite	0.71389	4.08	26.84
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	188	WB2-188	micrite	0.71244	2.70	27.26
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	189	WB2-189	micrite	0.71227	3.39	27.80
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	190	WB2-190	micrite	0.71226	2.75	27.67
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	191	WB2-191	micrite	0.71174	3.17	27.57
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	192	WB2-192	micrite	0.71160	3.37	27.04
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	193	WB2-193	micrite	0.71185	3.92	27.30
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	194	WB2-194	micrite	0.71224	3.58	27.46
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	195	WB2-195	dolomicrite	0.71271	5.30	30.00
<b>Rejected Analyses</b>								
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	31	WB2-31	lam. micrite		-3.14	21.09
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	39	WB2-39	lam. micrite		4.58	21.14
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	102	WB2-102	lam. micrite		1.71	23.03
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	103	WB2-103	lam. micrite		1.58	22.72
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	104	WB2-104	lam. micrite		-1.34	23.86
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	118	WB2-118	lam. micrite		0.21	23.82
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2	126.9	WB2-126.9	micrite	0.71183	6.38	27.19
Arco Oil & Gas WB #2	U826	T16N, R99W, Sec. 2		WB2-117	lam. micrite		-1.91	30.42