

Datashare 180

The Qiongzhusi-Dengying Petroleum System in the Sichuan Basin, China

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Table S1. Total Organic Carbon and Thermal Maturation (VRE) of Boreholes and Section in the Sichuan Basin

Well JS1			Well GS17			Well MS1			Section Yangba		
Depth, m	TOC, wt. %	VRE % R_o	Depth, m	TOC, wt. %	VRE % R_o	Depth, m	TOC, wt. %	VRE % R_o	Depth, m	TOC, wt. %	VRE % R_o
3400 (11,153.64 ft)	0.20	–	5101.71 (16,733.61 ft)	3.41	–	7750 (25,420.00 ft)	0.54	–	3.41 (11.18 ft)	2.58	–
3401 (11,155.48 ft)	0.19	–	5102.5 (16,736.20 ft)	3.80	3.07	7760 (25,452.80 ft)	0.41	–	5.01 (16.43 ft)	2.50	–
3405 (11,168.40 ft)	0.36	–	5103.8 (16,740.46 ft)	3.51	–	7770 (25,485.60 ft)	0.47	–	6.38 (20.93 ft)	3.25	–
3407 (11,174.96 ft)	0.67	–	5105.08 (16,744.66 ft)	1.61	–	7780 (25,518.40 ft)	0.45	–	7.06 (23.16 ft)	3.59	–
3411 (11,188.08 ft)	0.45	–	5105.78 (16,746.96 ft)	1.70	–	7790 (25,551.20 ft)	0.55	–	8.49 (27.85 ft)	3.55	–
3413 (11,195.62 ft)	0.63	–	5107.25 (16,751.78 ft)	1.22	–	7800 (25,584.00 ft)	0.45	–	9.38 (30.77 ft)	2.80	–
3414 (11,198.90 ft)	0.56	–	5107.8 (16,753.58 ft)	1.12	3.32	7810 (25,616.80 ft)	0.54	–	10.71 (35.13 ft)	2.65	–
3415 (11,202.18 ft)	0.69	1.71	5108.6 (16,756.21 ft)	1.19	–	7820 (25,649.60 ft)	0.51	–	11.22 (36.8 ft)	3.00	–
3416 (11,205.46 ft)	0.79	–	5109.55 (16,759.32 ft)	1.09	–	7830 (25,682.40 ft)	0.47	–	12.18 (39.95 ft)	2.19	–
3417 (11,208.74 ft)	0.65	–	5110.77 (16,763.33 ft)	0.95	–	7840 (25,715.20 ft)	0.5	–	12.86 (42.18 ft)	2.11	–
3417 (11,210.38 ft)	0.15	–	5111.44 (16,765.52 ft)	0.97	–	7850 (25,748.00 ft)	0.53	–	13.55 (44.44 ft)	2.23	–
3418 (11,211.70 ft)	0.93	–	5112.51 (16,769.03 ft)	1.14	–	7860 (25,780.80 ft)	0.56	–	14.23 (46.67 ft)	2.01	–
3418 (11,211.70 ft)	0.84	1.47	5113.38 (16,771.89 ft)	1.06	–	7870 (25,813.60 ft)	0.59	–	15.42 (50.58 ft)	1.49	–
3420 (11,218.26 ft)	0.77	–	5114.6 (16,775.89 ft)	1.28	–	7880 (25,846.40 ft)	0.61	–	27.93 (91.61 ft)	3.95	–
3423 (11,227.44 ft)	0.60	–	5115.66 (16,779.36 ft)	1.30	–	7890 (25,879.20 ft)	0.69	3.82	29.00 (95.12 ft)	3.48	–
3426 (11,237.28 ft)	0.71	–	5116 (16,780.48 ft)	1.23	–	7900 (25,912.00 ft)	1.03	–	29.89 (98.04 ft)	3.00	–
3428 (11,243.84 ft)	0.49	–	5117.71 (16,786.09 ft)	1.21	–	7916 (25,964.48 ft)	2.15	–	30.97 (101.58 ft)	3.32	–
3432 (11,256.96 ft)	0.65	–	5118.7 (16,789.34 ft)	0.97	–	7918 (25,971.04 ft)	1.194	–	32.07 (105.19 ft)	3.52	–
	0.88	–					1.89	–		3.70	–

Well JS1			Well GS17			Well MS1			Section Yangba		
Depth, m	TOC, wt. %	VRE %R _o	Depth, m	TOC, wt. %	VRE %R _o	Depth, m	TOC, wt. %)	VRE %R _o	Depth, m	TOC, wt. %	VRE %R _o
3435						7920			32.80		
(11,266.80 ft)						(25,977.60 ft)			(107.58 ft)		
3438	0.57	-				7922	1.359	-	33.53	3.22	-
(11,276.64 ft)						(25,984.16 ft)			(109.98 ft)		
3441	0.68	-				7924	2.47	-	34.37	2.60	-
(11,286.48 ft)						(25,990.72 ft)			(112.73 ft)		
3444	0.67	-				7926	1.874	-	34.79	1.47	-
(11,296.32 ft)						(25,997.28 ft)			(114.11 ft)		
3447	0.62	-				7928	2.99	-	35.25	2.14	3.41
(11,306.16 ft)						(26,003.84 ft)			(115.62 ft)		
3450	0.78	-				7930	2.218	-	35.68	1.74	-
(11,316.00 ft)						(26,010.40 ft)			(117.03 ft)		
3453	0.77	-				7932	3.06	-	36.10	1.69	-
(11,325.84 ft)						(26,016.96 ft)			(118.41 ft)		
3456	0.71	-				7934	2.728	-	38.68	2.43	-
(11,335.68 ft)						(26,023.52 ft)			(126.87 ft)		
3459	0.78	-				7936	3.54	-	41.01	2.05	-
(11,345.52 ft)						(26,030.08 ft)			(134.51 ft)		
3462	0.68	-				7938	2.45	-	45.62	1.02	-
(11,355.36 ft)						(26,036.64 ft)			(149.63 ft)		
3465	0.51	-				7940	4.14	-	47.63	1.88	-
(11,365.20 ft)						(26,043.20 ft)			(156.23 ft)		
3468	0.49	-				7942	3.413	-	49.45	1.70	-
(11,375.04 ft)						(26,049.76 ft)			(162.2 ft)		
3471	0.63	-				7944	4.69	-	50.89	1.89	-
(11,384.88 ft)						(26,056.32 ft)			(166.92 ft)		
3474	0.63	-				7946	3.79	-	52.70	3.17	-
(11,394.72 ft)						(26,062.88 ft)			(172.86 ft)		
3477	0.65	-				7948	5.14	-	53.84	2.24	3.51
(11,404.56 ft)						(26,069.44 ft)			(176.6 ft)		
3480	0.62	-				7950	4.253	-	54.21	0.85	-
(11,414.40 ft)						(26,076.00 ft)			(177.81 ft)		
3483	0.53	-				7952	5.95	-	55.48	2.70	-
(11,424.24 ft)						(26,082.56 ft)			(181.97 ft)		
3486	0.56	-				7954	3.964	-	57.28	2.87	3.53
(11,434.08 ft)						(26,089.12 ft)			(187.88 ft)		
3489	0.53	-				7956	6.35	-	58.18	1.95	-
(11,443.92 ft)						(26,095.68 ft)			(190.83 ft)		
3492	0.52	-				7958	6.036	-	59.93	3.72	-
(11,453.76 ft)						(26,102.24 ft)			(196.57 ft)		
3496	1.01	1.21				7960	8.95	-	77.54	2.09	-
(11,466.88 ft)						(26,108.80 ft)			(254.33 ft)		
3498	0.36	-				7962	5.568	-	78.61	9.44	-
(11,473.44 ft)						(26,115.36 ft)			(257.84 ft)		
3501	0.42	-				7964	7.74	-	79.67	0.69	-
(11,483.28 ft)						(26,121.92 ft)			(261.32 ft)		
3504	0.82	-				7966	5.633	-	80.74	1.29	-
(11,493.12 ft)						(26,128.48 ft)			(264.83 ft)		
3507	0.53	-				7968	5.61	-	81.66	1.65	-
(11,502.96 ft)						(26,135.04 ft)			(267.84 ft)		
3510	0.61	-				7970	4.776	4.3	82.58	1.87	-
(11,512.80 ft)						(26,141.60 ft)			(270.86 ft)		
	0.45	-					3.66	-		5.53	3.31

Well JS1			Well GS17			Well MS1			Section Yangba		
Depth, m	TOC, wt. %	VRE %R _o	Depth, m	TOC, wt. %	VRE %R _o	Depth, m	TOC, wt. %)	VRE %R _o	Depth, m	TOC, wt. %	VRE %R _o
3513 (11,522.64 ft)						7972 (26,148.16 ft)			85.56 (280.64 ft)		
3516 (11,532.48 ft)	0.57	-				7974 (26,154.72 ft)	2.45	-	86.49 (283.69 ft)	3.15	-
3518 (11,539.04 ft)	0.66	-				7976 (26,161.28 ft)	2.98	-	87.33 (286.44 ft)	5.10	-
3522 (11,552.16 ft)	0.44	-				7978 (26,167.84 ft)	2.7	-	88.19 (289.26 ft)	5.99	-
3525 (11,562.00 ft)	0.76	-				7980 (26,174.40 ft)	3	-	89.26 (292.77 ft)	5.94	-
3529 (11,575.12 ft)	0.77	-				7982 (26,180.96 ft)	3.356	-	90.38 (296.45 ft)	7.41	-
3531 (11,581.68 ft)	0.32	-				7984 (26,187.52 ft)	3.96	-	91.62 (300.51 ft)	6.85	-
3534 (11,591.52 ft)	0.48	-				7986 (26,194.08 ft)	4.214	-	92.86 (304.58 ft)	5.40	-
3537 (11,601.36 ft)	0.52	-				7988 (26,200.64 ft)	4.93	-	93.98 (308.25 ft)	7.63	3.47
3540 (11,611.20 ft)	0.41	-				7990 (26,207.20 ft)	4.224	4.59	95.11 (311.96 ft)	7.10	-
3543 (11,621.04 ft)	0.40	-				7992 (26,213.76 ft)	4.25	-	95.67 (313.8 ft)	6.57	-
3546 (11,630.88 ft)	0.48	-				7994 (26,220.32 ft)	3.564	-	96.57 (316.75 ft)	10.04	-
3549 (11,640.72 ft)	0.47	-				7996 (26,226.88 ft)	4.61	-	97.70 (320.46 ft)	8.00	-
3552 (11,650.56 ft)	0.48	-				7998 (26,233.44 ft)	3.78	-	99.38 (325.97 ft)	8.19	3.48
3555 (11,660.40 ft)	0.42	-				8000 (26,240.00 ft)	3.73	3.9	102.11 (334.92 ft)	0.74	-
3558 (11,670.24 ft)	0.34	-				8002 (26,246.56 ft)	1.783	-	108.99 (357.49 ft)	0.48	-
3561 (11,680.08 ft)	0.43	-				8004 (26,253.12 ft)	3.59	-	118.29 (387.99 ft)	0.47	-
3564 (11,689.92 ft)	0.40	-				8006 (26,259.68 ft)	3.28	-	139.74 (458.35 ft)	0.26	-
3567 (11,699.76 ft)	0.37	-				8008 (26,266.24 ft)	3.23	-			
3569 (11,706.32 ft)	0.46	-				8010 (26,272.80 ft)	3.121	4.29			
3572 (11,716.16 ft)	0.70	1.42				8012 (26,279.36 ft)	3.64	-			
3576 (11,729.28 ft)	0.33	-				8014 (26,285.92 ft)	3.532	-			
3579 (11,739.12 ft)	0.35	-				8015 (26,289.20 ft)	4.16	-			
3581 (11,745.68 ft)	0.37	-				8016 (26,292.48 ft)	3.281	-			
3585 (11,758.80 ft)	0.38	-				8017 (26,295.76 ft)	3.46	-			
3588 (11,768.64 ft)	0.41	-				8018 (26,299.04 ft)	3.635	-			
	0.30	-					4.66	-			

Well JS1			Well GS17			Well MS1			Section Yangba		
Depth, m	TOC, wt. %	VRE %R _o	Depth, m	TOC, wt. %	VRE %R _o	Depth, m	TOC, wt. %	VRE %R _o	Depth, m	TOC, wt. %	VRE %R _o
3670 (12,037.60 ft)											
3673 (12,047.44 ft)	1.47	-									
3676 (12,057.28 ft)	0.99	-									
3679 (12,067.12 ft)	0.67	-									
3682 (12,076.96 ft)	0.57	2.93									
3686 (12,090.08 ft)	0.84	-									
3688 (12,096.64 ft)	0.51	-									

Abbreviations: TOC = total organic carbon; VRE = vitrinite reflectance equivalent.

Table S2. $\delta^{18}O$ and $\delta^{13}C$ Geochemical Data of the Dengying Formation in the Boreholes across the Sichuan Basin

Well GK1			Well J1			Well CS1			Well MS1		
Depth, m	$\delta^{18}O$ VPDB [‰]	$\delta^{13}C$ VPDB [‰]	Depth, m	$\delta^{18}O$ VPDB [‰]	$\delta^{13}C$ VPDB [‰]	Depth, m	$\delta^{13}C$ VPDB [‰]	$\delta^{18}O$ VPDB [‰]	Depth, m	$\delta^{18}O$ VPDB [‰]	$\delta^{13}C$ VPDB [‰]
4987 (16,357.4 ft)	-11.51	-0.46	4196.1 (13,763.20 ft)	-8.52	-0.35	8120 (26,633.6 ft)	-0.48	-10.73	8048 (26,397.4 ft)	-10.16	-1.52
4985 (16,350.8 ft)	-9.26	-0.09	4200 (13,776.00 ft)	-8.54	-0.55	8121 (26,636.9 ft)	-0.43	-9.45	8051.5 (26,408.9 ft)	-10.68	-1.38
5003 (16,409.8 ft)	-11.5	0.52	4204 (13,789.10 ft)	-8.59	-0.73	8122 (26,640.2 ft)	-0.58	-8.25	8055 (26,420.4 ft)	-7.97	0.11
5009 (16,429.5 ft)	-8.34	-0.93	4208 (13,802.20 ft)	-7.22	-1.83	8123 (26,643.4 ft)	-0.35	-7.16	8058.5 (26,431.9 ft)	-8.3	-0.22
5016 (16,452.5 ft)	-10.01	1.92	4212 (13,815.40 ft)	-7.8	-1.56	8124 (26,646.7 ft)	-0.46	-9.32	8062 (26,443.4 ft)	-8.93	-0.04
5019 (16,462.3 ft)	-8.34	-0.93	4216 (13,828.50 ft)	-5.88	0.15	8125 (26,650.0 ft)	-0.41	-7.4	8065.5 (26,454.8 ft)	-7.75	-0.17
5139 (16,855.9 ft)	-7.89	3.4	4220 (13,841.60 ft)	-5.32	-0.95	8126 (26,653.3 ft)	-0.09	-9.15	8069 (26,466.3 ft)	-7.69	-0.34
5140 (16,859.2 ft)	-5.96	2.26	4224 (13,854.70 ft)	-5.76	0.76	8127 (26,656.6 ft)	-0.33	-10.18	8072.5 (26,477.8 ft)	-5.04	0.88
5146 (16,878.9 ft)	-6.03	3.61	4228 (13,867.80 ft)	-5.13	0.55	8130 (26,666.4 ft)	0.02	-8.92	8076 (26,489.3 ft)	-7.54	0.95
5152 (16,898.6 ft)	-6.01	3.15	4232 (13,881.00 ft)	-4.65	0.31	8133 (26,676.2 ft)	-0.37	-7.04	8079.5 (26,500.8 ft)	-8.05	0.86
5187 (17,013.4 ft)	-8.34	1.68	4236 (13,894.10 ft)	-4.73	0.5	8136 (26,686.1 ft)	0.15	-7.05	8083 (26,512.2 ft)	-7.51	0.95
5189 (17,019.9 ft)	-7.63	0.44	4240 (13,907.20 ft)	-5.52	0.63	8139 (26,695.9 ft)	0.13	-7.03	8086.5 (26,523.7 ft)	-5.06	0.47
	-7.19	0.09		-5.22	0.37		-0.38	-5.55		-5.93	0.24

Well GK1			Well J1			Well CS1			Well MS1		
Depth, m	$\delta^{18}O$ VPDB‰	$\delta^{13}C$ VPDB‰	Depth, m	$\delta^{18}O$ VPDB‰	$\delta^{13}C$ VPDB‰	Depth, m	$\delta^{13}C$ VPDB‰	$\delta^{18}O$ VPDB‰	Depth, m	$\delta^{18}O$ VPDB‰	$\delta^{13}C$ VPDB‰
5320 (17,449.6 ft)			4244 (13,920.30 ft)			8142 (26,705.8 ft)			8090 (26,535.2 ft)		
5361 (17,584.1 ft)	-7.25	0.79	4248 (13,933.40 ft)	-5	0.45	8145 (26,715.6 ft)	-0.39	-7.67	8093.5 (26,546.7 ft)	-5.8	0.4
5405 (17,728.4 ft)	-7.17	0.61	4252 (13,946.60 ft)	-5.19	1.38	8148 (26,725.4 ft)	-0.07	-7.45	8097 (26,558.2 ft)	-5.36	0.4
5439 (17,839.9 ft)	-4.91	1.72	4256 (13,959.70 ft)	-2.81	0.44	8151 (26,735.3 ft)	-1.44	-5.59	8100.5 (26,569.6 ft)	-6.1	0.78
5441 (17,846.5 ft)	-4.49	1.63	4260 (13,972.80 ft)	-4.99	1.45	8154 (26,745.1 ft)	-1.39	-5.56	8104 (26,581.1 ft)	-6.59	1.01
5446.4 (17,864.2 ft)	-5.26	1.77	4264 (13,985.90 ft)	-4.64	1.46	8157 (26,755.0 ft)	-0.89	-6.52	8107.5 (26,592.6 ft)	-5.36	1.03
			4268 (13,999.00 ft)	-3.63	0.67	8160 (26,764.8 ft)	-0.83	-6.62	8111 (26,604.1 ft)	-5.71	0.29
			4272 (14,012.20 ft)	-5.91	1.72	8163 (26,774.6 ft)	-1.28	-6.36	8114.5 (26,615.6 ft)	-6.75	0.69
			4276 (14,025.30 ft)	-5.92	1.26	8166 (26,784.5 ft)	-0.99	-5.62	8118 (26,627.0 ft)	-5.88	0.32
			4280 (14,038.40 ft)	-5.08	1.26	8169 (26,794.3 ft)	-0.84	-6.03	8121.5 (26,638.5 ft)	-5.36	-0.09
			4284 (14,051.50 ft)	-3.36	0.52	8172 (26,804.2 ft)	-0.81	-8.22	8125 (26,650.0 ft)	-5.02	0.05
			4288 (14,064.60 ft)	-5.18	0.55	8175 (26,814.0 ft)	-0.35	-7.37	8128.5 (26,661.5 ft)	-5.73	0.24
			4290 (14,071.20 ft)	-5.27	0.7	8178 (26,823.8 ft)	-0.26	-7.54	8132 (26,673.0 ft)	-5.12	0.4
						8181 (26,833.7 ft)	-0.08	-7.32	8135.5 (26,684.4 ft)	-5.79	0.54
						8184 (26,843.5 ft)	-0.49	-7.42	8139 (26,695.9 ft)	-5.32	-0.21
						8187 (26,853.4 ft)	-1.11	-7.11	8142.5 (26,707.4 ft)	-7.57	0.4
						8190 (26,863.2 ft)	-0.53	-6.85	8146 (26,718.9 ft)	-7.18	0.37
						8193 (26,873.0 ft)	-0.15	-6.07	8149.5 (26,730.4 ft)	-5.86	0.31
						8196 (26,882.9 ft)	-0.47	-6.49	8153 (26,741.8 ft)	-6.59	0.24
						8199 (26,892.7 ft)	0.68	-6.24	8156.5 (26,753.3 ft)	-2.88	0.5
						8202 (26,902.6 ft)	0.59	-5.63	8160 (26,764.8 ft)	-3.29	0.61
						8205 (26,912.4 ft)	0.05	-7.08	8163.5 (26,776.3 ft)	-6.6	0.4
						8208 (26,922.2 ft)	0.3	-6.81	8167 (26,787.8 ft)	-6.16	0.3
						8211 (26,932.1 ft)	0.44	-5.39	8170.5 (26,799.2 ft)	-5.87	0.01
						8214 (26,941.9 ft)	0.49	-5.56	8174 (26,810.7 ft)	-4.27	1.1
							0.66	-5.29		-5.21	0.97

Well GK1			Well J1			Well CS1			Well MS1		
Depth, m	$\delta^{18}O$ VPDB‰	$\delta^{13}C$ VPDB‰	Depth, m	$\delta^{18}O$ VPDB‰	$\delta^{13}C$ VPDB‰	Depth, m	$\delta^{13}C$ VPDB‰	$\delta^{18}O$ VPDB‰	Depth, m	$\delta^{18}O$ VPDB‰	$\delta^{13}C$ VPDB‰
						8217 (26,951.8 ft)			8177.5 (26,822.2 ft)		
						8220 (26,961.6 ft)	0.38	-5.2	8181 (26,833.7 ft)	-4.64	1.02
						8223 (26,971.4 ft)	0.72	-5.21	8184.5 (26,845.2 ft)	-5.74	0.86
						8226 (26,981.3 ft)	0.92	-4.95	8188 (26,856.6 ft)	-5.55	0.96
						8229 (26,991.1 ft)	0.3	-5.42	8191.5 (26,868.1 ft)	-6.71	0.78
						8232 (27,001.0 ft)	0.63	-6.09	8195 (26,879.6 ft)	-5.54	1
						8235 (27,010.8 ft)	0.42	-6.82	8198.5 (26,891.1 ft)	-4.27	1.04
						8238 (27,020.6 ft)	0.69	-6.06	8202 (26,902.6 ft)	-4.26	1.57
						8241 (27,030.5 ft)	1.2	-3.86	8205.5 (26,914.0 ft)	-4.94	1.53
						8244 (27,040.3 ft)	1.68	-4.36	8209 (26,925.5 ft)	-4.52	1.48
						8247 (27,050.2 ft)	1.06	-5.16	8212.5 (26,937.0 ft)	-4.36	2.14
						8250 (27,060.0 ft)	0.76	-5.45	8216 (26,948.5 ft)	-3.87	2.74
						8253 (27,069.8 ft)	0.89	-3.36	8219.5 (26,960.0 ft)	-4.44	2.1
						8256 (27,079.7 ft)	1.34	-3.48	8223 (26,971.4 ft)	-3.92	2.19
						8259 (27,089.5 ft)	0.37	-3.92	8226.5 (26,982.9 ft)	-5.13	1.98
						8262 (27,099.4 ft)	0.04	-5.06	8230 (26,994.4 ft)	-3.6	2.25
						8265 (27,109.2 ft)	0.08	-5.44	8233.5 (27,005.9 ft)	-4.15	2.14
						8268 (27,119.0 ft)	0.44	-3.62	8237 (27,017.4 ft)	-3.87	2.07
						8271 (27,128.9 ft)	0.1	-3.94	8240.5 (27,028.8 ft)	-4.35	1.79
						8274 (27,138.7 ft)	0.18	-3.97	8244 (27,040.3 ft)	-4.5	1.95
						8277 (27,148.6 ft)	0.08	-4.47	8247.5 (27,051.8 ft)	-5.2	2.11
						8280 (27,158.4 ft)	0.07	-5.03	8251 (27,063.3 ft)	-3.97	1.68
						8283 (27,168.2 ft)	0.46	-4.6	8254.5 (27,074.8 ft)	-4.8	1.56
						8286 (27,178.1 ft)	0.28	-3.58	8258 (27,086.2 ft)	-4.64	1.72
						8289 (27,187.9 ft)	1.73	-4.38	8261.5 (27,097.7 ft)	-4.71	1.93
							1.19	-5.38		-4.81	1.54

Well GK1			Well J1			Well CS1			Well MS1		
Depth, m	$\delta^{18}O$ VPDB‰	$\delta^{13}C$ VPDB‰	Depth, m	$\delta^{18}O$ VPDB‰	$\delta^{13}C$ VPDB‰	Depth, m	$\delta^{13}C$ VPDB‰	$\delta^{18}O$ VPDB‰	Depth, m	$\delta^{18}O$ VPDB‰	$\delta^{13}C$ VPDB‰
						8292 (27,197.8 ft)			8265 (27,109.2 ft)		
						8295 (27,207.6 ft)	1.57	-4.82	8268.5 (27,120.7 ft)	-5.49	1.4
						8298 (27,217.4 ft)	1.23	-5.33	8272 (27,132.2 ft)	-4.36	1.32
						8301 (27,227.3 ft)	1.96	-4.68	8275.5 (27,143.6 ft)	-5.17	1.04
						8304 (27,237.1 ft)	2.03	-3.86	8279 (27,155.1 ft)	-4.48	0.62
						8307 (27,247.0 ft)	0.77	-5.19	8282.5 (27,166.6 ft)	-6.5	0.23
						8310 (27,256.8 ft)	0.6	-5.31	8286 (27,178.1 ft)	-4.6	-0.36
						8313 (27,266.6 ft)	1.18	-6.3	8328 (27,315.8 ft)	-7.1	-1.1
						8316 (27,276.5 ft)	1.46	-4.71	8331.5 (27,327.3 ft)	-5.66	-1.22
						8319 (27,286.3 ft)	1.45	-5.17	8335 (27,338.8 ft)	-5.51	1.2
						8322 (27,296.2 ft)	0.35	-5.79	8338.5 (27,350.3 ft)	-6.79	1.66
						8325 (27,306.0 ft)	0.26	-4.34	8342 (27,361.8 ft)	-4.95	2.8
						8328 (27,315.8 ft)	1.15	-4.75	8345.5 (27,373.2 ft)	-5.76	2.64
						8331 (27,325.7 ft)	0.14	-4.78	8349 (27,384.7 ft)	-4.82	1.55
						8334 (27,335.5 ft)	0.89	-5.2	8352.5 (27,396.2 ft)	-4.85	2.5
						8337 (27,345.4 ft)	0.24	-6.38	8356 (27,407.7 ft)	-5.29	2.72
						8340 (27,355.2 ft)	0.44	-5.49	8359.5 (27,419.2 ft)	-5.11	2.8
						8343 (27,365.0 ft)	1.75	-4.24	8363 (27,430.6 ft)	-5.34	2.91
						8346 (27,374.9 ft)	1.14	-4.21	8366.5 (27,442.1 ft)	-4.96	2.71
						8349 (27,384.7 ft)	1.71	-4	8370 (27,453.6 ft)	-5.45	2.55
						8352 (27,394.6 ft)	0.23	-4.72	8373.5 (27,465.1 ft)	-4.98	2.56
						8355 (27,404.4 ft)	0.19	-5.79	8377 (27,476.6 ft)	-5.57	2.29
						8358 (27,414.2 ft)	2.02	-3.51	8380.5 (27,488.0 ft)	-2.89	2.07
						8361 (27,424.1 ft)	3.16	-4.5	8384 (27,499.5 ft)	-3.27	1.59
						8364 (27,433.9 ft)	3.42	-4.08	8387.5 (27,511.0 ft)	-2.99	1.68
							1.55	-3.06		-3.24	1.5

Well GK1			Well J1			Well CS1			Well MS1		
Depth, m	$\delta^{18}O$ VPDB‰	$\delta^{13}C$ VPDB‰	Depth, m	$\delta^{18}O$ VPDB‰	$\delta^{13}C$ VPDB‰	Depth, m	$\delta^{13}C$ VPDB‰	$\delta^{18}O$ VPDB‰	Depth, m	$\delta^{18}O$ VPDB‰	$\delta^{13}C$ VPDB‰
						8367			8391		
						(27,443.8 ft)			(27,522.5 ft)		
						8370	0.39	-5.73	8394.5	-2.48	1.34
						(27,453.6 ft)			(27,534.0 ft)		
						8373	2.99	-4.57	8396	-5.83	0.52
						(27,463.4 ft)			(27,538.9 ft)		
						8376	3.3	-4.46	8397.5	-2.65	0.52
						(27,473.3 ft)			(27,543.8 ft)		
						8379	3.48	-4.64	8398	-4.95	0.32
						(27,483.1 ft)			(27,545.4 ft)		
						8382	1.76	-3.24	8399.5	-3.28	0.8
						(27,493.0 ft)			(27,550.4 ft)		
						8385	1.84	-3.04	8400	-4.15	0.66
						(27,502.8 ft)			(27,552.0 ft)		
						8388	3.3	-4.45			
						(27,512.6 ft)					
						8391	3.13	-4.62			
						(27,522.5 ft)					
						8394	2.85	-4.76			
						(27,532.3 ft)					
						8397	0.8	-4.37			
						(27,542.2 ft)					
						8400	2.53	-4.08			
						(27,552.0 ft)					
						8403	0.37	-2.51			
						(27,561.8 ft)					
						8406	0.1	-2.39			
						(27,571.7 ft)					
						8409	1.65	-2.38			
						(27,581.5 ft)					
						8412	0.15	-2.95			
						(27,591.4 ft)					
						8415	0.2	-3.18			
						(27,601.2 ft)					
						8418	0.07	-4.95			
						(27,611.0 ft)					
						8420	1.3	-2.99			
						(27,617.6 ft)					

Abbreviation: VPDB = Vienna Peedee belemnite.