

TABLE 1 -- Desorption data for DART CHEROKEE BASIN FIELDS #A3-36; NW NE 36-T.34S.-R.14E., Montgomery Co., KS																		
<b>SAMPLE: 1041' to 1051' (Excello Shale) cuttings in SSD canister 9</b>										NOTE: los gas is estimated by time interval between at surface and canister times, and total gas evolved								
dry sample weight:		lbs.	grams							est. lost gas (cc) =		TIME OF:	elapsed time (off bottom to canistering)					
		2.9803	1351.82							26		3/10/2005 13:27	3/10/2005 13:29	#####	3.9 minutes			
<b>RIG/LAB MEASUREMENTS</b>										<b>CONVERSION OF RIG/LAB MEASUREMENTS TO STP (@60 deg</b>		<b>CUMULATIVE VOLUMES</b>		SCF/TON	SCF/TON	TIME SINCE	0.256038192	SQRT (hrs)
measured cc	measured T (F)	measured	cubic ft	absolute T (R)	psia	cubic ft (@STP)	cc (@STP)	cubic ft (@STP)	cc (@STP)	without lost gas	with lost gas	TIME OF MEASU	off bottom	in canister	SQRT hrs. (since off bottom)			
288	70	1089	0.0102	530	14.135	0.00959506	271.70	0.00959506	271.70	6.44	7.06	3/15/2005 11:15	117:47:51	117:43:55	10.85345567			
66	71	1086	0.0023	531	14.096	0.002188681	61.98	0.01783741	333.68	7.91	8.52	3/16/2005 12:43	143:15:51	143:11:55	11.96930101			
45	69	1071	0.0016	529	13.901	0.001477235	41.83	0.013260976	375.51	8.90	9.52	3/18/2005 10:31	189:03:51	188:59:55	13.75006061			
12	68	1084	0.0004	528	14.070	0.000395466	11.31	0.013660442	386.82	9.17	9.78	3/19/2005 18:36	219:08:51	219:04:55	14.80363131			
17	68	1075	0.0006	528	13.953	0.000561212	15.89	0.014221654	402.71	9.54	10.16	3/21/2005 14:06	264:38:51	264:34:55	16.26799004			
7	68	1075	0.0002	528	13.953	0.000231087	6.54	0.014452741	409.25	9.70	10.32	3/22/2005 9:20	283:52:51	283:48:55	16.84876356			
4	68	1081	0.0001	528	14.031	0.000132787	3.76	0.014585527	413.01	9.79	10.40	3/23/2005 12:46	311:18:51	311:14:55	17.64409722			
6	70	1077	0.0002	530	13.979	0.000197694	5.60	0.014783222	418.61	9.92	10.54	3/24/2005 12:32	335:04:51	335:00:55	18.30521328			
3	69	1082	0.0001	529	14.044	0.000132787	2.82	0.014882716	421.43	9.99	10.60	3/25/2005 9:21	355:53:51	355:49:55	18.86524582			
11	70	1075	0.0004	530	13.953	0.000361767	10.24	0.015244482	431.67	10.23	10.85	3/28/2005 9:37	428:09:51	428:05:55	20.69212813			
3	69	1084	0.0001	529	14.070	0.000132787	2.82	0.01534416	434.50	10.30	10.91	4/2/2005 15:49	554:21:51	554:17:55	23.54493993			
6	69	1072	0.0002	529	13.914	0.000197149	5.58	0.015541309	440.08	10.43	11.05	4/4/2005 14:13	600:45:51	600:41:55	24.51049095			
3	70	1071	0.0001	530	13.901	0.000132787	2.78	0.015639605	442.86	10.50	11.11	4/5/2005 12:12	622:44:51	622:40:55	24.95490934			
0	71	1075	0	531	13.953	0	0.00	0.015639605	442.86	10.50	11.11	4/6/2005 9:25	643:57:51	643:53:55	25.37644906			
-2	71	1084	-7E-05	531	14.070	-6.62015E-05	-1.87	0.015573403	440.99	10.45	11.07	4/8/2005 9:22	691:54:51	691:50:55	26.30426138			
DESORPTION TERMINATED 4/08/2005 DUE TO NO GAS BEING EVOLVED, sample dried at 150 degrees F for 2 days																		
<b>SAMPLE: 1072' to 1074' (Iron Post coal) cuttings in SSD canister 6</b>										NOTE: los gas is estimated by time interval between at surface and canister times, and total gas evolved								
dry sample weight:		lbs.	grams							est. lost gas (cc) =		TIME OF:	elapsed time (off bottom to canistering)					
		0.2433	110.38							15		3/10/2005 13:49	3/10/2005 13:51	#####	3.7 minutes			
<b>RIG/LAB MEASUREMENTS</b>										<b>CONVERSION OF RIG/LAB MEASUREMENTS TO STP (@60 deg</b>		<b>CUMULATIVE VOLUMES</b>		SCF/TON	SCF/TON	TIME SINCE	0.247206616	SQRT (hrs)
measured cc	measured T (F)	measured	cubic ft	absolute T (R)	psia	cubic ft (@STP)	cc (@STP)	cubic ft (@STP)	cc (@STP)	without lost gas	with lost gas	TIME OF MEASU	off bottom	in canister	SQRT hrs. (since off bottom)			
78	70	1089	0.0028	530	14.135	0.002598662	73.59	0.002598662	73.59	21.36	25.71	3/15/2005 11:38	117:48:25	117:44:45	10.85389075			
13	71	1086	0.0005	531	14.096	0.000431104	12.21	0.003029766	85.79	24.90	29.26	3/16/2005 12:44	142:54:25	142:50:45	11.95436926			
15	69	1071	0.0005	529	13.901	0.000492412	13.94	0.003522178	99.74	28.95	33.30	3/18/2005 10:32	188:42:25	188:38:45	13.73706462			
-1	68	1084	-4E-05	528	14.070	-3.32888E-05	-0.94	0.003488889	98.79	28.67	33.03	3/19/2005 18:36	218:46:25	218:42:45	14.79099764			
7	68	1075	0.0002	528	13.953	0.000231087	6.54	0.003719976	105.34	30.57	34.93	3/21/2005 14:07	264:17:25	264:13:45	16.25700704			
2	68	1075	7E-05	528	13.953	6.60249E-05	1.87	0.003786001	107.21	31.12	35.47	3/22/2005 9:22	283:32:25	283:28:45	16.83865427			
-1	68	1081	-4E-05	528	14.031	-3.31967E-05	-0.94	0.003752804	106.27	30.84	35.20	3/23/2005 12:47	310:57:25	310:53:45	17.63397132			
3	70	1077	0.0001	530	13.979	0.000132787	2.80	0.003851651	109.07	31.66	36.01	3/24/2005 12:33	334:43:25	334:39:45	18.29545329			
-1	69	1082	-4E-05	529	14.044	-3.31646E-05	-0.94	0.003818487	108.13	31.38	35.74	3/25/2005 9:21	355:31:25	355:27:45	18.85533376			
4	70	1075	0.0001	530	13.953	0.000131551	3.73	0.003950038	111.85	32.46	36.82	3/28/2005 9:38	427:48:25	427:44:45	20.68349449			
-4	69	1084	-0.0001	529	14.070	-0.000132904	-3.76	0.003817135	108.09	31.37	35.73	4/2/2005 15:45	553:55:25	553:51:45	23.53558181			
DESORPTION TERMINATED 4/02/2005 DUE TO NO GAS BEING EVOLVED, sample air dried for 8 days																		
<b>SAMPLE: 1108' to 1110' (Croweburg coal) cuttings in SSD canister Null</b>										NOTE: los gas is estimated by time interval between at surface and canister times, and total gas evolved								
dry sample weight:		lbs.	grams							est. lost gas (cc) =		TIME OF:	elapsed time (off bottom to canistering)					
		0.4775	216.58							21		3/10/2005 14:09	3/10/2005 14:11	#####	5.1 minutes			
<b>RIG/LAB MEASUREMENTS</b>										<b>CONVERSION OF RIG/LAB MEASUREMENTS TO STP (@60 deg</b>		<b>CUMULATIVE VOLUMES</b>		SCF/TON	SCF/TON	TIME SINCE	0.291070820	SQRT (hrs)
measured cc	measured T (F)	measured	cubic ft	absolute T (R)	psia	cubic ft (@STP)	cc (@STP)	cubic ft (@STP)	cc (@STP)	without lost gas	with lost gas	TIME OF MEASU	off bottom	in canister	SQRT hrs. (since off bottom)			
127	70	1089	0.0045	530	14.135	0.004231155	119.81	0.004231155	119.81	17.72	20.83	3/15/2005 11:25	117:15:40	117:10:35	10.82871697			
21	71	1086	0.0007	531	14.096	0.000696398	19.72	0.004927553	139.53	20.64	23.75	3/16/2005 12:45	142:35:40	142:30:35	11.94129157			
20	69	1071	0.0007	529	13.901	0.000656549	18.59	0.005584102	158.12	23.39	26.50	3/18/2005 10:32	188:22:40	188:17:35	13.72507843			
2	68	1084	7E-05	528	14.070	6.65777E-05	1.89	0.00565068	160.01	23.67	26.78	3/19/2005 16:37	218:27:40	218:22:35	14.78043			
10	68	1075	0.0004	528	13.953	0.000330124	9.35	0.005980804	169.36	25.05	28.16	3/21/2005 14:08	263:58:40	263:53:35	16.24739295			
4	68	1075	0.0001	528	13.953	0.000132025	3.74	0.006112854	173.10	25.60	28.71	3/22/2005 9:21	283:11:40	283:06:35	16.82838211			
1	68	1081	-4E-05	528	14.031	-3.31967E-05	0.94	0.006146051	174.04	25.74	28.85	3/23/2005 12:47	310:37:40	310:32:35	17.62463554			
4	70	1077	0.0001	530	13.979	0.000131796	3.73	0.006277847	177.77	26.30	29.40	3/24/2005 12:34	334:24:40	334:19:35	18.28691092			
0	69	1082	0	529	14.044	0	0.00	0.006277847	177.77	26.30	29.40	3/25/2005 9:20	355:10:40	355:05:35	18.84616082			
6	70	1075	0.0002	530	13.953	0.000197327	5.59	0.006475174	183.36	27.12	30.23	3/28/2005 9:38	427:28:40	427:23:35	20.67553573			
-5	69	1084	-0.0002	529	14.070	-0.00016613	-4.70	0.006309045	178.65	26.43	29.53	4/2/2005 15:46	553:36:40	553:31:35	23.52894199			
DESORPTION TERMINATED 4/02/2005 DUE TO NO GAS BEING EVOLVED, sample air dried for 8 days																		

SAMPLE: 1158' to 1161' (Mineral coal) cuttings in SSD canister 1													NOTE: los gas is estimated by time interval between at surface and canister times, and total gas evolved									
dry sample weight:		lbs.	grams												est. lost gas (cc) = TIME OF:			elapsed time (off bottom to canistering)				
		0.9138	414.47												23	off bottom	at surface	in canister	5.4	minutes		
															3/10/2005 14:34	3/10/2005 14:37	#####	0.089				
															SCF/TON	SCF/TON	TIME SINCE	TIME SINCE	in canister	SQRT hrs. (since off bottom)	SQRT (hrs)	
RIG/LAB MEASUREMENTS		measured cc	measured T (F)	measured cubic ft	absolute T (R)	psi	cubic ft (@STP)	cc (@STP)	CUMULATIVE VOLUMES	SCF/TON	SCF/TON	without lost gas	with lost gas	TIME OF MEASUREMENT	off bottom	in canister	SQRT hrs. (since off bottom)	SQRT (hrs)				
147	70	1089	0.0052	530	14.135	0.004897479	138.68	0.004897479	138.68	10.72	12.50	3/15/2005 11:12	116:37:06	116:31:45	10.79899687							
27	71	1086	0.0011	531	14.096	0.000895369	25.35	0.005792848	164.03	12.68	14.46	3/16/2005 12:45	142:10:06	142:04:45	11.92343631							
22	69	1071	0.0008	529	13.901	0.000722204	20.45	0.006515052	184.49	14.26	16.04	3/18/2005 10:38	188:03:06	187:57:45	13.71319316							
3	68	1084	0.0001	528	14.070	9.98665E-05	2.83	0.006614918	187.31	14.48	16.26	3/19/2005 18:38	218:03:06	217:57:45	14.76657261							
11	68	1075	0.0004	528	13.953	0.000363137	10.28	0.006978055	197.60	15.27	17.05	3/21/2005 14:08	263:33:06	263:27:45	16.23427444							
3	68	1075	0.0001	528	13.953	9.90373E-05	2.80	0.007077093	200.40	15.49	17.27	3/22/2005 9:22	282:47:06	282:41:45	16.81621242							
2	68	1081	7E-05	528	14.031	6.63934E-05	1.88	0.007143486	202.28	15.64	17.41	3/23/2005 12:49	310:14:06	310:08:45	17.61348915							
5	70	1077	0.0002	530	13.979	0.000164745	4.67	0.007308231	206.95	16.00	17.77	3/24/2005 12:34	333:59:06	333:53:45	18.27525655							
1	69	1082	4E-05	529	14.044	3.31646E-05	0.94	0.007341396	207.88	16.07	17.85	3/25/2005 9:20	354:45:06	354:39:45	18.83485245							
8	70	1075	0.0003	530	13.953	0.000263103	7.45	0.007604499	215.33	16.84	18.42	3/28/2005 9:39	427:04:06	426:58:45	20.66563169							
3	69	1084	0.0001	529	14.070	9.96777E-05	2.82	0.007704177	218.16	16.86	18.64	4/2/2005 15:49	553:14:06	553:08:45	23.52094811							
6	69	1072	0.0002	529	13.914	0.000197149	5.58	0.007901325	223.74	17.29	19.07	4/4/2005 14:13	599:38:06	599:32:45	24.48744576							
2	70	1071	7E-05	530	13.901	6.5531E-05	1.86	0.007966856	225.60	17.44	19.22	4/5/2005 12:11	621:36:06	621:30:45	24.93194069							
0	71	1075	0	531	13.953	0	0.00	0.007966856	225.60	17.44	19.22	4/6/2005 9:25	642:50:06	642:44:45	25.35419098							
-1	71	1084	-4E-05	531	14.070	-3.31008E-05	-0.94	0.007933755	224.66	17.37	19.14	4/8/2005 9:22	690:47:06	690:41:45	26.28278905							
DESORPTION TERMINATED 4/08/2005 DUE TO NO GAS BEING EVOLVED, sample dried at 150 degrees F for 2 days																						
SAMPLE: 1237' to 1239' (Weir-Pittsburg coal) cuttings in Dart SSD canister 4													NOTE: los gas is estimated by time interval between at surface and canister times, and total gas evolved									
dry sample weight:		lbs.	grams												est. lost gas (cc) = TIME OF:			elapsed time (off bottom to canistering)				
		0.0664	30.11												16	off bottom	at surface	in canister	5.5	minutes		
															3/10/2005 15:03	3/10/2005 15:07	#####	0.092				
															SCF/TON	SCF/TON	TIME SINCE	TIME SINCE	in canister	SQRT hrs. (since off bottom)	SQRT (hrs)	
RIG/LAB MEASUREMENTS		measured cc	measured T (F)	measured cubic ft	absolute T (R)	psi	cubic ft (@STP)	cc (@STP)	CUMULATIVE VOLUMES	SCF/TON	SCF/TON	without lost gas	with lost gas	TIME OF MEASUREMENT	off bottom	in canister	SQRT hrs. (since off bottom)	SQRT (hrs)				
38	70	1089	0.0013	530	14.135	0.001266015	35.85	0.001266015	35.85	38.14	55.16	3/15/2005 11:22	116:18:11	116:12:38	10.78438944							
5	71	1086	0.0002	531	14.096	0.000165809	4.70	0.001431824	40.54	43.13	60.16	3/16/2005 12:46	141:42:11	141:36:38	11.90390926							
7	69	1071	0.0002	529	13.901	0.000229792	6.51	0.001661616	47.05	50.06	67.08	3/18/2005 10:34	187:30:11	187:24:38	13.69317551							
-2	68	1084	-7E-05	528	14.070	-6.65777E-05	-1.89	0.001590388	45.17	48.05	65.07	3/19/2005 18:38	217:34:11	217:28:38	14.75024482							
2	68	1075	7E-05	528	13.953	6.60249E-05	1.87	0.001661063	47.04	50.04	67.06	3/21/2005 14:09	263:05:11	262:59:38	16.21993801							
0.5	68	1075	2E-05	528	13.953	1.65062E-05	0.47	0.00167757	47.50	50.54	67.56	3/22/2005 9:22	282:18:11	282:12:38	16.80187655							
-2	68	1081	-7E-05	528	14.031	-6.63934E-05	-1.88	0.001611176	45.82	48.54	65.56	3/23/2005 12:49	309:45:11	309:39:38	17.59980271							
1	70	1077	4E-05	530	13.979	3.29491E-05	0.93	0.001644125	46.56	49.53	66.55	3/24/2005 12:35	333:31:11	333:25:38	18.26252234							
DESORPTION TERMINATED 3/24/2005 DUE TO NO GAS BEING EVOLVED, sample air dried for 16 days																						
SAMPLE: 1475' to 1478' (Rowe coal) cuttings in SSD canister 3													NOTE: los gas is estimated by time interval between at surface and canister times, and total gas evolved									
dry sample weight:		lbs.	grams												est. lost gas (cc) = TIME OF:			elapsed time (off bottom to canistering)				
		4.7965	2175.66												114	off bottom	at surface	in canister	9.3	minutes		
															3/11/2005 8:54	3/11/2005 8:57	#####	0.155				
															SCF/TON	SCF/TON	TIME SINCE	TIME SINCE	in canister	SQRT hrs. (since off bottom)	SQRT (hrs)	
RIG/LAB MEASUREMENTS		measured cc	measured T (F)	measured cubic ft	absolute T (R)	psi	cubic ft (@STP)	cc (@STP)	CUMULATIVE VOLUMES	SCF/TON	SCF/TON	without lost gas	with lost gas	TIME OF MEASUREMENT	off bottom	in canister	SQRT hrs. (since off bottom)	SQRT (hrs)				
850	69	1085	0.003	529	14.083	0.028268073	800.46	0.028268073	800.46	11.79	13.47	3/14/2005 18:44	81:49:30	81:40:12	9.045717219							
175	70	1089	0.0062	530	14.135	0.005830332	165.10	0.040984043	965.56	14.22	15.90	3/15/2005 11:06	98:11:30	98:02:12	9.909170836							
118	71	1086	0.0042	531	14.096	0.003913096	110.81	0.038011501	1076.36	15.85	17.53	3/16/2005 12:46	123:51:30	123:42:12	11.12916589							
121	69	1071	0.0043	529	13.901	0.00397212	112.48	0.041983621	1188.84	17.51	19.18	3/18/2005 10:34	169:39:30	169:30:12	13.0252959							
66	68	1084	0.0023	528	14.070	0.002197063	62.21	0.04180684	1251.05	18.42	20.10	3/19/2005 16:39	199:44:30	199:35:12	14.13299921							
71	68	1075	0.0025	528	13.953	0.002343884	66.37	0.046524568	1317.42	19.40	21.08	3/21/2005 14:09	245:14:30	245:05:12	15.6601937							
37	68	1075	0.0013	528	13.953	0.001221461	34.59	0.047746028	1352.01	19.91	21.59	3/22/2005 9:23	264:28:30	264:19:12	16.26268735							
32	68	1081	0.0011	528	14.031	0.001062295	30.08	0.048808323	1382.09	20.35	22.03	3/23/2005 12:50	291:55:30	291:46:12	17.08581283							
29	70	1077	0.001	530	13.979	0.000955523	27.06	0.049763845	1409.15	20.75	22.43	3/24/2005 12:36	315:41:30	315:32:12	17.76771417							
21	69	1082	0.0007	529	14.044	0.000696457	19.72	0.050460302	1428.87	21.04	22.72	3/25/2005 9:19	336:24:30	336:15:12	18.3414376							
63	70	1075	0.0019	530	13.953	0.001743057	49.36	0.052203359	1478.23	21.77	23.45	3/28/2005 9:39	408:44:30	408:35:12	20.21736053							
65	69	1084	0.0023	529	14.070	0.002159684	61.16	0.054363043	1539.38	22.67	24.35	4/2/2005 15:47	534:52:30	534:43:12	23.12736474							
37	69	1072	0.0013	529	13.914	0.001215749	34.43	0.055578793	1573.81	23.17	24.85	4/4/2005 14:14	581:19:30	581:10:12	24.11068228							
18	70	1071	0.0006	530	13.901	0.000589779	16.70	0.056168572	1590.51	23.42	25.10	4/5/2005 12:11	603:16:30	603:07:12	24.56165711							
13	71	1075	0.0005	531	13.953	0.000426737	12.08	0.056595309	1602.59	23.60	25.28	4/6/2005 9:26	624:31:30	624:22:12	24.99049819							
17	71	1084	0.0006	531	14.070	0.000562713	15.93	0.057158022	1618.53	23.83	25.51	4/8/2005 9:21	672:26:30	672:17:12	25.93148023							
17	69	1073	0.0006	529	13.927	0.000559109	15.83	0.057711713	1634.36	24.07	25.74	4/9/2005 14:20	701:25:30	701:16:12	26.48442939							
16	70	1074	0.0006	530	13.940	0.000525716	14.89	0.058242847	1649.25	24.29	25.96	4/10/2005 10:21	721:26:30	721:17:12	26.85966617							
16	71	1066	0.0006	531	13.836	0.000520818	14.75	0.058763665	1664.00	24.50	26.18	4/11/2005 17:03	752:08:30	751:59:12	27.42520131							
9	73	1075	0.0003	533	13.953	0.000294325	8.33	0.05905799	1672.33	24.63	26.30	4/12/2005 14:12	773:17:30	773:08:12	27.80812231							
6	73	1085	0.0002	533	14.083	0.000198042	5.61	0.059256031	1677.94	24.71	26.39	4/13/2005 12:20	795:25:30	795:16:12	28.20327995							
8	69	1091	0.0003	529	14.161	0.000267524	7.58	0.059523555	1685.51	24.82	26.50	4/15/2005 10:59	842:04:30	841:55:12	29.01852856							
8	70	1089	0.0003	530	14.135	0.000266529	7.55	0.059790085	1693.06	24.93	26.61	4/16/2005 15:44	870:49:30	870:40:12	29.50974415							
7	71	1089	0.0002	531	14.135	0.000232774	6.59															

2	68	1085	7E-05	528	14.083	6.66391E-05	1.89	0.063992122	1812.05	26.68	28.36	5/14/2005 13:08	1540:13:30	1540:04:12	39.2457004		
-1	66	1090	-4E-05	526	14.148	-3.36004E-05	-0.95	0.063958522	1811.10	26.67	28.35	5/15/2005 11:02	1562:07:30	1561:58:12	39.52372705		
3	66	1080	0.0001	526	14.018	9.98763E-05	2.83	0.064058398	1813.92	26.71	28.39	5/16/2005 16:09	1591:14:30	1591:05:12	39.8903706		
9	68	1072	0.0003	528	13.914	0.000296283	8.39	0.064354681	1822.31	26.83	28.51	5/18/2005 18:31	1641:36:30	1641:27:12	40.51676608		
5	68	1075	0.0002	528	13.953	0.000165062	4.67	0.064519743	1826.99	26.90	28.58	5/19/2005 20:05	1667:10:30	1667:01:12	40.83105436		
2	71	1081	7E-05	531	14.031	6.60183E-05	1.87	0.064585762	1828.86	26.93	28.61	5/20/2005 12:09	1683:14:30	1683:05:12	41.02732829		
5	71	1076	0.0002	531	13.966	0.000164282	4.65	0.064750044	1833.51	27.00	28.68	5/21/2005 16:01	1711:06:30	1710:57:12	41.36554524		
3	72	1081	0.0001	532	14.031	9.88413E-05	2.80	0.064888885	1836.31	27.04	28.72	5/22/2005 10:08	1729:13:30	1729:04:12	41.58395123		
7	71	1085	0.0002	531	14.083	0.000231919	6.57	0.065080804	1842.88	27.14	28.82	5/26/2005 16:09	1831:14:30	1831:05:12	42.79300955		
3	70	1084	0.0001	530	14.070	9.94896E-05	2.82	0.065180294	1845.69	27.18	28.86	5/27/2005 14:26	1853:31:30	1853:22:12	43.05258413		
3	70	1080	0.0001	530	14.018	9.91225E-05	2.81	0.065279417	1848.50	27.22	28.90	5/28/2005 15:12	1878:17:30	1878:08:12	43.33926241		
3	70	1078	0.0001	530	13.992	9.8939E-05	2.80	0.065378356	1851.30	27.26	28.94	5/29/2005 16:21	1903:26:30	1903:17:12	43.6284502		
0	70	1082	0	530	14.044	0	0.00	0.065378356	1851.30	27.26	28.94	5/30/2005 14:21	1925:26:30	1925:17:12	43.87985491		
6	70	1080	0.0002	530	14.018	0.000198245	5.61	0.065576601	1856.92	27.34	29.02	6/1/2005 11:15	1970:20:30	1970:11:12	44.3885308		
5	70	1077	0.0002	530	13.979	0.000164745	4.67	0.065741346	1861.58	27.41	29.09	6/2/2005 14:18	1997:23:30	1997:14:12	44.69218798		
7	71	1075	0.0002	531	13.953	0.000229782	6.51	0.065971127	1868.09	27.51	29.19	6/3/2005 17:05	2024:10:30	2024:01:12	44.9908324		
4	71	1071	0.0001	531	13.901	0.000130815	3.70	0.066101943	1871.79	27.56	29.24	6/4/2005 12:50	2043:55:30	2043:46:12	45.20978876		
5	72	1079	0.0002	532	14.005	0.000164431	4.66	0.066266373	1876.45	27.63	29.31	6/6/2005 11:40	2090:45:30	2090:36:12	45.72481092		
6	73	1074	0.0002	533	13.940	0.000196034	5.55	0.066462407	1882.00	27.71	29.39	6/7/2005 23:24	2126:29:30	2126:20:12	46.11389884		
6	73	1072	0.0002	533	13.914	0.000195669	5.54	0.066658076	1887.54	27.79	29.47	6/8/2005 17:04	2144:09:30	2144:00:12	46.30505732		
6	73	1077	0.0002	533	13.979	0.000196582	5.57	0.066854658	1893.11	27.88	29.56	6/10/2005 12:01	2187:06:30	2186:57:12	46.76653005		
12	73	1074	0.0004	533	13.940	0.000392068	11.10	0.067246726	1904.21	28.04	29.72	6/13/2005 12:03	2259:08:30	2258:59:12	47.53042885		
2	73	1079	7E-05	533	14.005	6.56489E-05	1.86	0.067312375	1906.07	28.07	29.75	6/14/2005 18:11	2289:16:30	2289:07:12	47.84636872		
2	73	1081	7E-05	533	14.031	6.57706E-05	1.86	0.067378146	1907.93	28.09	29.77	6/16/2005 21:08	2340:13:30	2340:04:12	48.37587209		
4	73	1086	0.0001	533	14.096	0.00013215	3.74	0.067510295	1911.67	28.15	29.83	6/19/2005 13:11	2404:16:30	2404:07:12	49.03340698		
3	74	1087	0.0001	534	14.109	9.90177E-05	2.80	0.067609313	1914.48	28.19	29.87	6/20/2005 14:42	2429:47:30	2429:38:12	49.292917		
2	74	1088	7E-05	534	14.122	6.60725E-05	1.87	0.067675385	1916.35	28.22	29.90	6/21/2005 9:22	2448:27:30	2448:18:12	49.48189905		
7	74	1085	0.0002	534	14.083	0.000230616	6.53	0.067906002	1922.88	28.31	29.99	6/23/2005 9:51	2496:56:30	2496:47:12	49.96940731		
5	70	1081	0.0002	530	14.031	0.000165357	4.68	0.068071359	1927.56	28.38	30.06	6/25/2005 15:47	2550:52:30	2550:43:12	50.50618774		
3	73	1082	0.0001	533	14.044	9.87471E-05	2.80	0.068170106	1930.36	28.42	30.10	6/27/2005 11:05	2594:10:30	2594:01:12	50.93304428		
4	71	1077	0.0001	531	13.979	0.000131548	3.73	0.068301654	1934.08	28.48	30.16	6/29/2005 15:07	2646:12:30	2646:03:12	51.4413096		
2	74	1081	7E-05	534	14.031	6.56474E-05	1.86	0.068367301	1935.94	28.51	30.19	7/1/2005 15:05	2694:10:30	2694:01:12	51.90544287		
3	74	1082	0.0001	534	14.044	9.85622E-05	2.79	0.068465864	1938.73	28.55	30.23	7/4/2005 13:13	2764:18:30	2764:09:12	52.57669002		
0	75	1086	0	535	14.096	0	0.00	0.068465864	1938.73	28.55	30.23	7/5/2005 14:36	2789:41:30	2789:32:12	52.81753181		
2	74	1083	7E-05	534	14.057	6.57689E-05	1.86	0.068531633	1940.59	28.58	30.25	7/6/2005 16:57	2816:02:30	2815:53:12	53.06638924		
0	74	1085	0	534	14.083	0	0.00	0.068531633	1940.59	28.58	30.25	7/7/2005 11:20	2834:25:30	2834:16:12	53.23931818		
2	74	1085	7E-05	534	14.083	6.58903E-05	1.87	0.068597523	1942.46	28.60	30.28	7/9/2005 12:13	2883:18:30	2883:09:12	53.69644619		
0	74	1081	0	534	14.031	0	0.00	0.068597523	1942.46	28.60	30.28	7/11/2005 15:05	2934:10:30	2934:01:12	54.16802562		
DESORPTION TERMINATED 7/11/2005 DUE TO NO GAS BEING EVOLVED. sample air dried for 35 Days																	

SAMPLE: 1498' to 1502' (Riverton coal) cuttings in SSD canister 7										NOTE: los gas is estimated by time interval between at surface and canister times, and total gas evolved											
dry sample weight:		lbs.	grams							est. lost gas (cc) =		TIME OF:		elapsed time (off bottom to canistering)							
		1.5387	697.97							48		off bottom		at surface							
												3/11/2005 9:11		3/11/2005 9:14							
														3/11/2005 9:20							
														9.7 minutes							
														0.162 hours							
RIG/LAB MEASUREMENTS		CONVERSION OF RIG/LAB MEASUREMENTS TO STP (@60 deg										CUMULATIVE VOLUMES		SCF/TON		SCF/TON		TIME SINCE		SQRT (hrs)	
measured cc	measured T (F)	measured	cubic ft	absolute T (R)	psia	cubic ft (@STP)	cc (@STP)	without lost gas	with lost gas	TIME OF MEASU	off bottom	in canister	SQRT hrs. (since off bottom)								
384	70	1089	0.0136	530	14.135	0.012793414	362.27	16.63	18.83	3/15/2005 11:30	98:18:58	98:09:15	9.915448104								
63	71	1086	0.0022	531	14.096	0.002089195	59.16	19.34	21.55	3/16/2005 12:48	123:36:58	123:27:15	11.11827824								
50	69	1071	0.0018	529	13.901	0.001641372	46.48	21.48	23.68	3/18/2005 10:36	169:24:58	169:15:15	13.01599443								
14	68	1084	0.0005	528	14.070	0.000466044	13.20	22.08	24.29	3/19/2005 16:40	199:28:58	199:19:15	14.12383722								
23	68	1075	0.0008	528	13.953	0.000759286	21.50	23.07	25.27	3/21/2005 14:10	244:58:58	244:49:15	15.65192569								
8	68	1075	0.0003	528	13.953	0.0002641	7.48	23.41	25.62	3/22/2005 9:23	264:11:58	264:02:15	16.25421313								
7	68	1081	0.0002	528	14.031	0.000232377	6.58	23.72	25.92	3/23/2005 12:51	291:39:58	291:30:15	17.07823501								
10	70	1077	0.0004	530	13.979	0.000329491	9.33	24.14	26.35	3/24/2005 12:36	315:24:58	315:15:15	17.75995808								
3	69	1082	0.0001	529	14.044	9.94938E-05	2.82	24.27	26.48	3/25/2005 9:18	336:06:58	335:57:15	18.3334697								
17	70	1075	0.0006	530	13.953	0.000559094	15.83	25.00	27.20	3/28/2005 9:41	408:29:58	408:20:15	20.21136919								
12	69	1084	0.0004	529	14.070	0.000398711	11.29	25.52	27.72	4/2/2005 15:48	534:36:58	534:27:15	23.12176704								
11	69	1072	0.0004	529	13.914	0.000361439	10.23	25.99	28.19	4/4/2005 14:14	581:02:58	580:53:15	24.10496722								
3	70	1071	0.0001	530	13.901	9.82965E-05	2.78	26.12	28.32	4/5/2005 12:10	602:58:58	602:49:15	24.55570764								
1	71	1075	4E-05	531	13.953	3.28259E-05	0.93	26.16	28.36	4/6/2005 9:26	624:14:58	624:05:15	24.98498438								
-1	71	1084	-4E-05	531	14.070	-3.31008E-05	-0.94	26.11	28.32	4/8/2005 9:21	672:09:58	672:00:15	25.92616653								
1	69	1073	4E-05	529	13.927	3.28887E-05	0.93	26.16	28.36	4/9/2005 14:20	701:08:58	700:59:15	26.47922666								
2	70	1074	7E-05	530	13.940	6.57146E-05	1.86	26.24	28.45	4/10/2005 10:21	721:09:58	721:00:15	26.85453614								
8	71	1066	0.0003	531	13.836	0.000260409	7.37	26.58	28.78	4/11/2005 17:04	751:52:58	751:43:15	27.42048099								
0	73	1075	0	533	13.953	0	0.00	26.58	28.78	4/12/2005 14:13	773:01:58	772:52:15	27.80346701								
-1	73	1085	-4E-05	533	14.083	-3.3007E-05	-0.93	26.54	28.74	4/13/2005 12:20	795:08:58	794:59:15	28.19839436								

DESORPTION TERMINATED 4/13/2005 DUE TO NO GAS BEING EVOLVED, sample air dried for 7 Days