

Well:	Elysium #1
Operator:	Elysium Oil Co.
Location:	Richland Co., IL. NE1/4, Sec. 27, T4N R9E
Field:	Clay City
Formation:	Pennsylvanian, Danville Coal
Comments:	Coal seam is 999 feet deep and 34 inches thick

Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
ELY-Danville1	A1	999	2,150	1,646	1,577	2,724.9	233.1

Lost gas volume					Sorption time (hr) for 63.2% of total gas
USBM			Smith and Williams		615.0
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
2.0	0.8	1.1	2.3	0.9	

Total gas volume

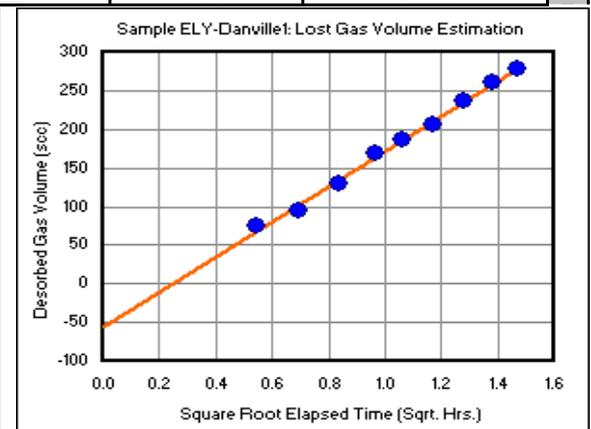
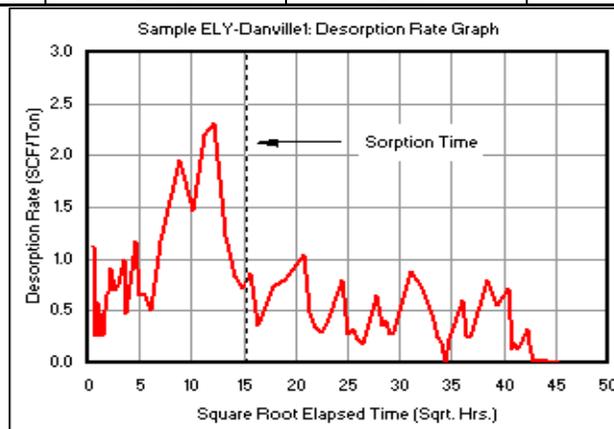
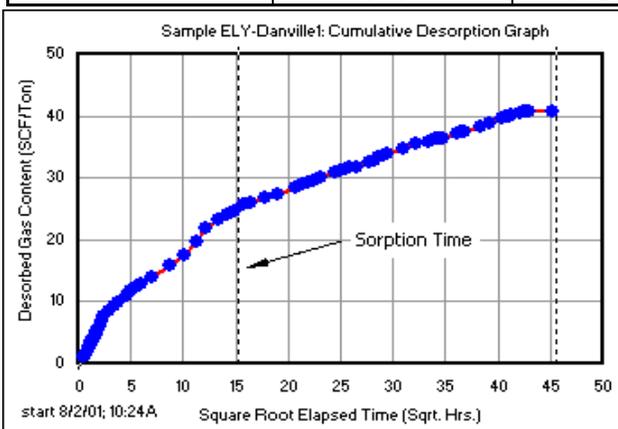
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
49.0	64.0	66.9	49.1	64.2	67.0

Other components

Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.95	10.19	13.25	23.44	26.67	7.60	9.93	10.36

Residual gas volume

As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
7.60	9.93	10.36



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Comments:	Coal seam is 999 feet deep and 34 inches thick

Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
ELY-Danville 2	A2	1,000	2,211	1,765	1,713	2,484.7	315.8

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
1.2	0.5	0.6	2.3	0.8

Sorption time (hr) for 63.2% of total gas
912.0

Total gas volume

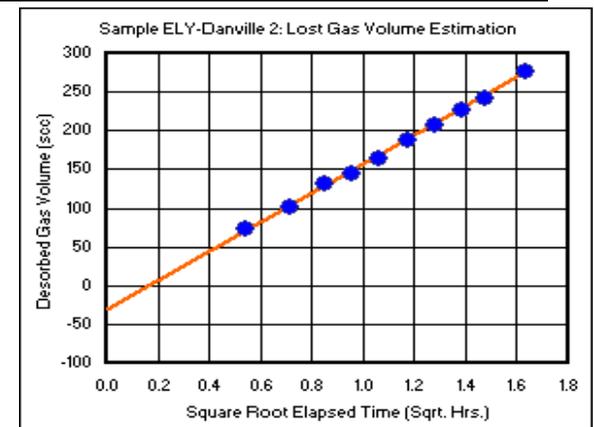
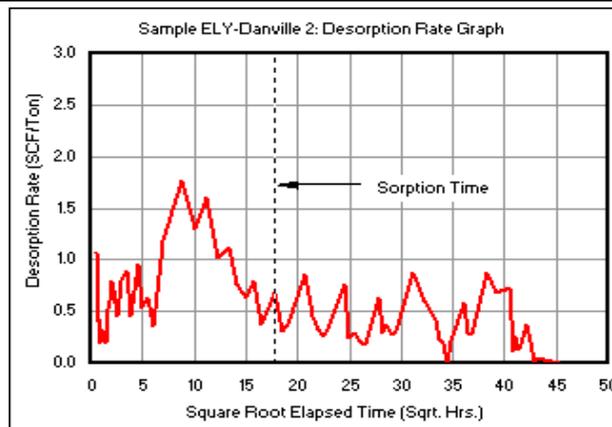
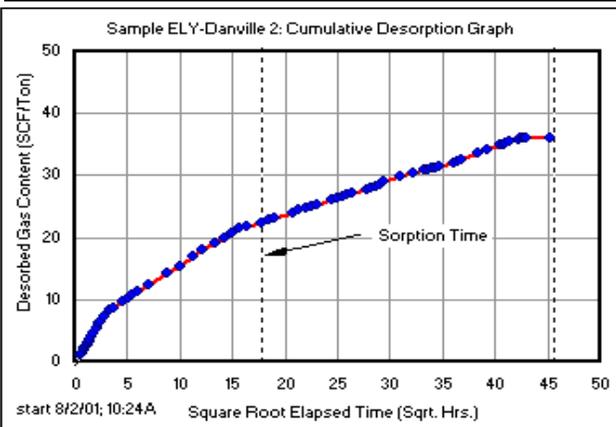
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
46.4	58.1	59.9	46.8	58.6	60.4

Other components

Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)
2.92	10.56	9.60	20.16	22.53

Residual gas volume

As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
9.92	12.42	12.81



Well:	Elysium #1
Operator:	Elysium Oil Co.
Location:	Richland Co., IL. NE1/4, Sec. 27, T4N R9E
Field:	Clay City
Formation:	Pennsylvanian, Anna Shale
Comments:	Shale is 1,019 feet deep and 24 inches thick

Basic information

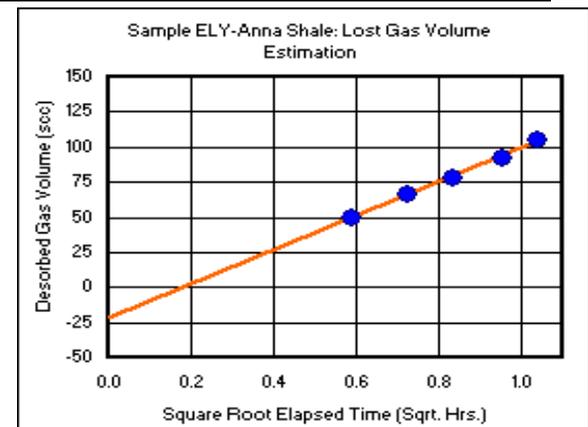
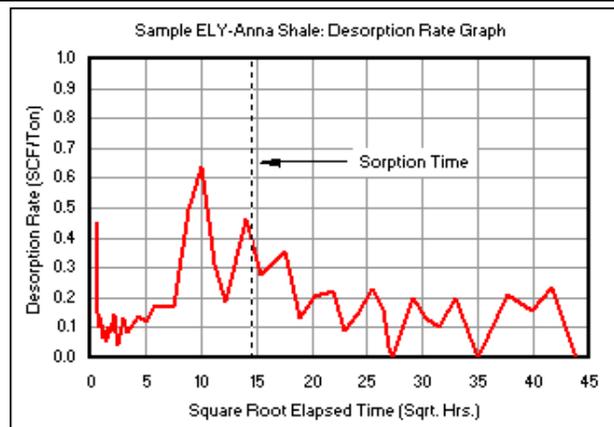
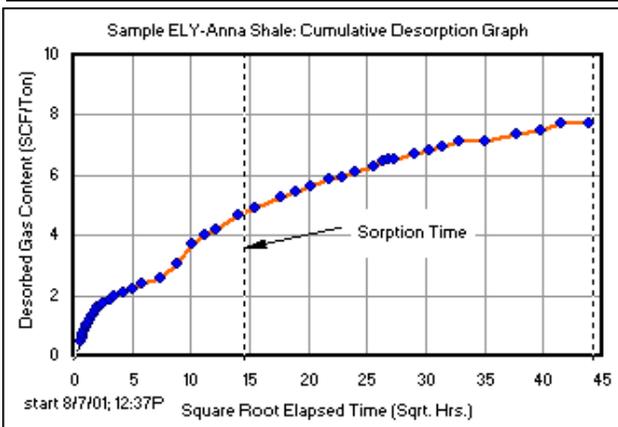
Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
ELY-Anna Shale	F2	1,019	3,530	863	650	853.4	210.5
Lost gas volume							Sorption time (hr) for 63.2% of total gas 572.0
USBM			Smith and Williams				
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)			
2.5	0.2	1.1	2.8	0.2			

Total gas volume

USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
9.6	39.3	52.1	9.6	39.4	52.3

Other components

Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	Residual gas volume		
(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
0.50	3.78	71.78	75.56	81.58	1.66	6.79	9.01



Well:	Elysium #1
Operator:	Elysium Oil Co.
Location:	Richland Co., IL. NE1/4, Sec. 27, T4N R9E
Field:	Clay City
Formation:	Pennsylvanian, Herrin Coal
Comments:	Coal seam is 1,042 feet deep and 64 inches thick

Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
ELY-Herrin 1	A3	1,042	2,107	1,752	1,712	2,130.3	409.3

Lost gas volume					Sorption time (hr) for 63.2% of total gas
USBM			Smith and Williams		>1,909
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
0.0	0.0	0.0	1.4	0.4	

Total gas volume

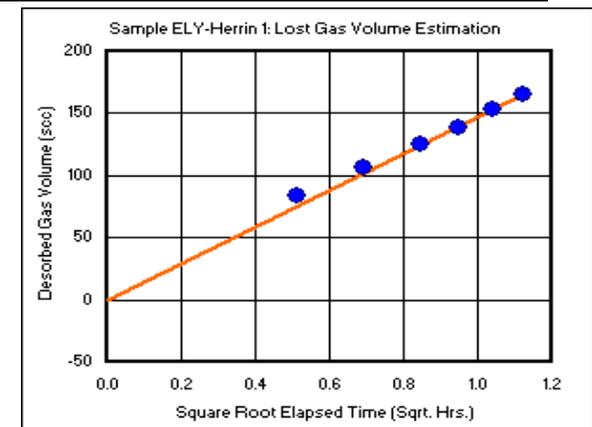
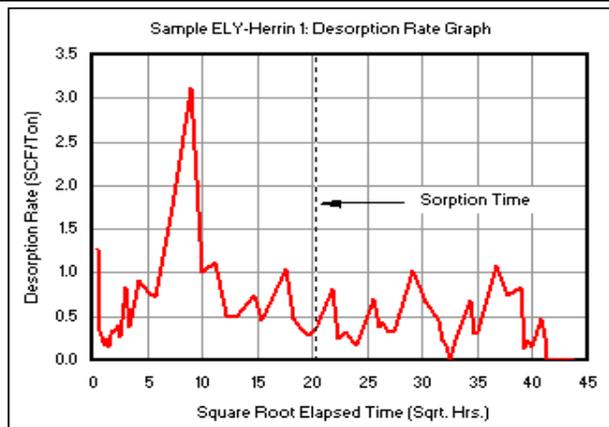
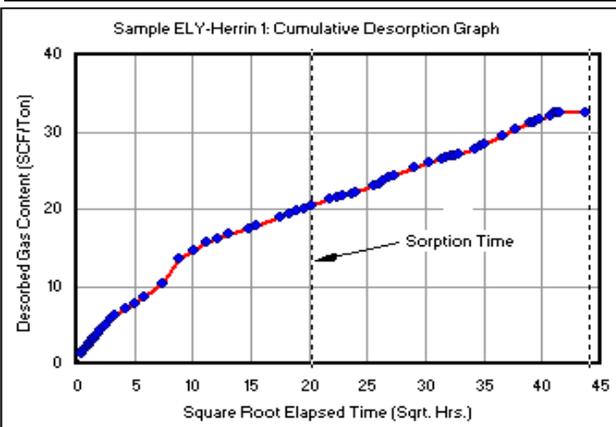
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
54.2	65.2	66.7	54.7	65.7	67.3

Other components

Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)
2.15	7.70	9.15	16.85	18.76

Residual gas volume

As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
21.82	26.24	26.86



Well:	Elysium #1
Operator:	Elysium Oil Co.
Location:	Richland Co., IL. NE1/4, Sec. 27, T4N R9E
Field:	Clay City
Formation:	Pennsylvanian, Herrin Coal
Comments:	Coal seam is 1,042 feet deep and 64 inches thick

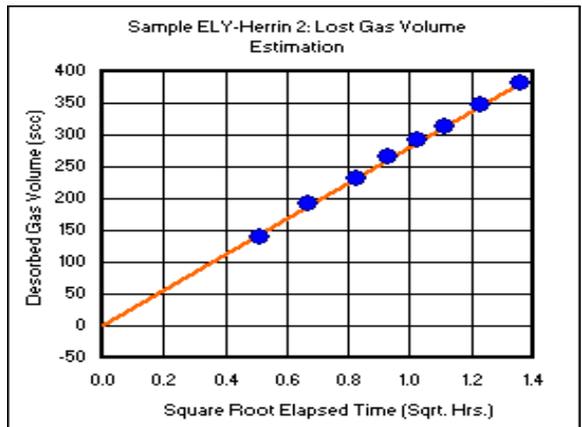
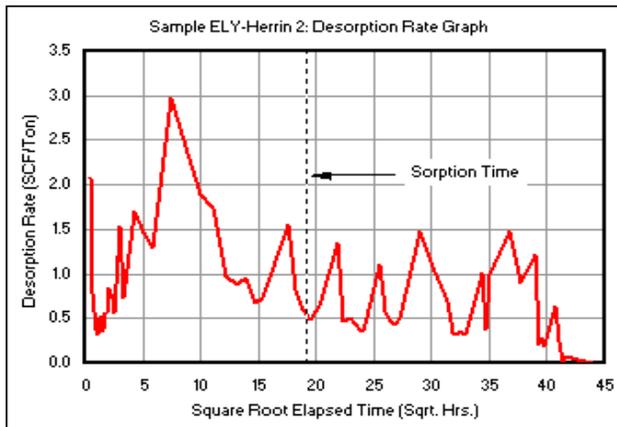
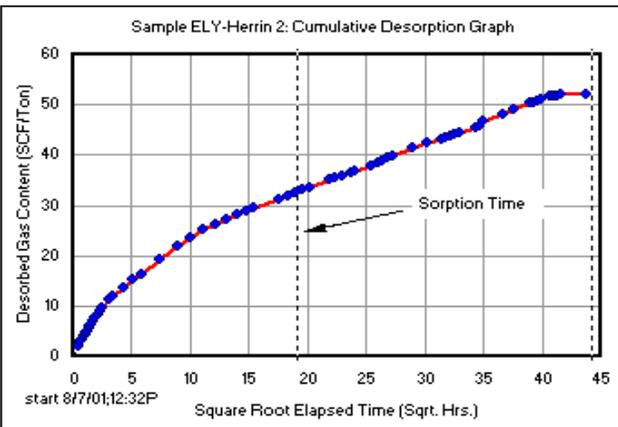
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
ELY-Herrin 2	A4	1,044	2,167	1,864	1,832	3,513.3	368.1

Lost gas volume					Sorption time (hr) for 63.2% of total gas 1,066.0
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
0.0	0.0	0.0	2.2	1.2	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
69.8	81.1	82.6	70.9	82.5	83.9

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
1.97	9.20	4.79	13.99	15.46	17.85	20.75	21.11



Well:	Elysium #1
Operator:	Elysium Oil Co.
Location:	Richland Co., IL. NE1/4, Sec. 27, T4N R9E
Field:	Clay City
Formation:	Pennsylvanian, Briar Hill Coal
Comments:	The coal seam is 1,079 feet deep and 24 inches thick

Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
ELY-BriarHill	A5	1,079	2,327	1,606	1,481	2,576.9	312.9

Lost gas volume

USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
5.7	2.1	3.4	6.5	2.5

Sorption time (hr) for 63.2% of total gas	802.0
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Total gas volume

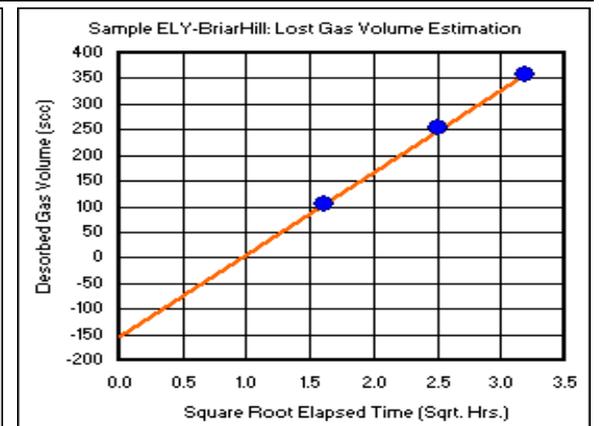
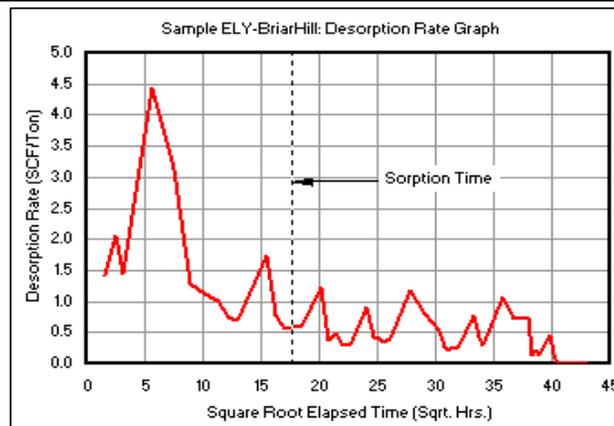
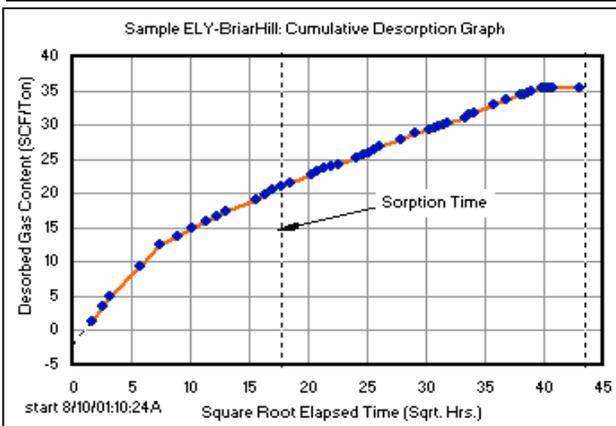
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
44.7	64.8	70.3	45.1	65.3	70.8

Other components

Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)
6.25	6.88	24.12	31.00	36.37

Residual gas volume

As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
7.11	10.30	11.17



Well:	Elysium #1
Operator:	Elysium Oil Co.
Location:	Richland Co., IL. NE1/4, Sec. 27, T4N R9E
Field:	Clay City
Formation:	Pennsylvanian, Springfield Coal
Comments:	Coal seam is 1,109 ft deep and 54 inches thick

Basic information

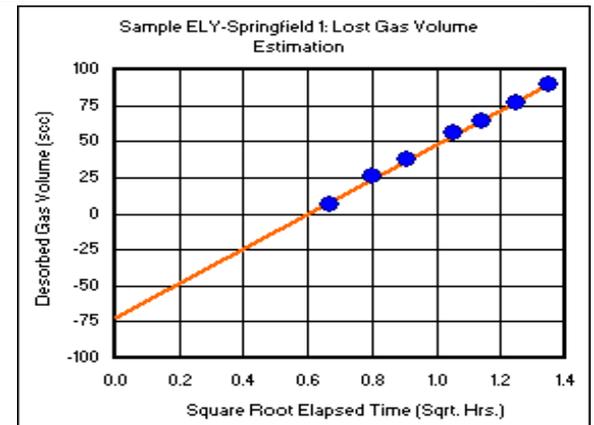
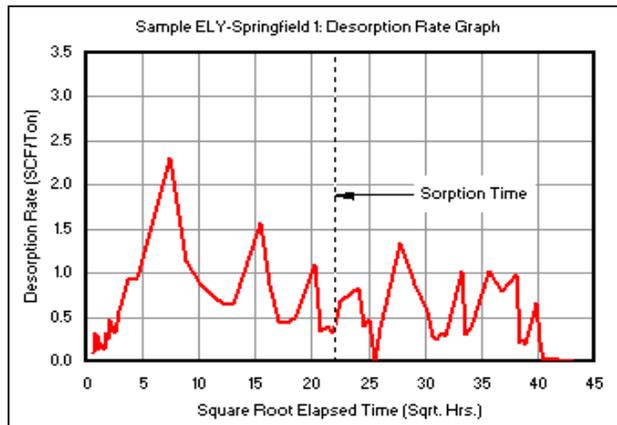
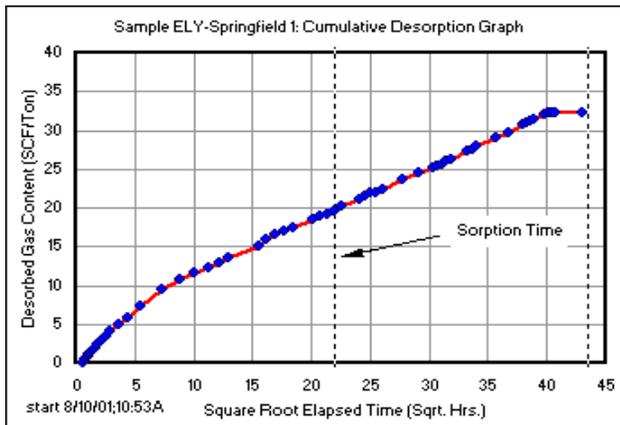
Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
ELY-Springfield 1	B1	1,109	2,007	1,601	1,553	2,023.8	484.0

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
3.4	1.2	1.5	1.8	0.6

Sorption time (hr) for 63.2% of total gas
1,385.0

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
47.5	59.5	61.3	46.9	58.8	60.6

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
2.22	5.45	14.77	20.22	22.62	14.00	17.55	18.09



Well:	Elysium #1
Operator:	Elysium Oil Co.
Location:	Richland Co., IL. NE1/4, Sec. 27, T4N R9E
Field:	Clay City
Formation:	Pennsylvanian, Springfield Coal
Comments:	Coal seam is 1,109 feet deep and 54 inches thick

Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
ELY-Springfield 2	B2	1,110	1,891	1,589	1,531	3,176.9	326.0

Sorption time (hr) for 63.2% of total gas	851.0
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Lost gas volume

USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
3.5	2.0	2.4	2.5	1.4

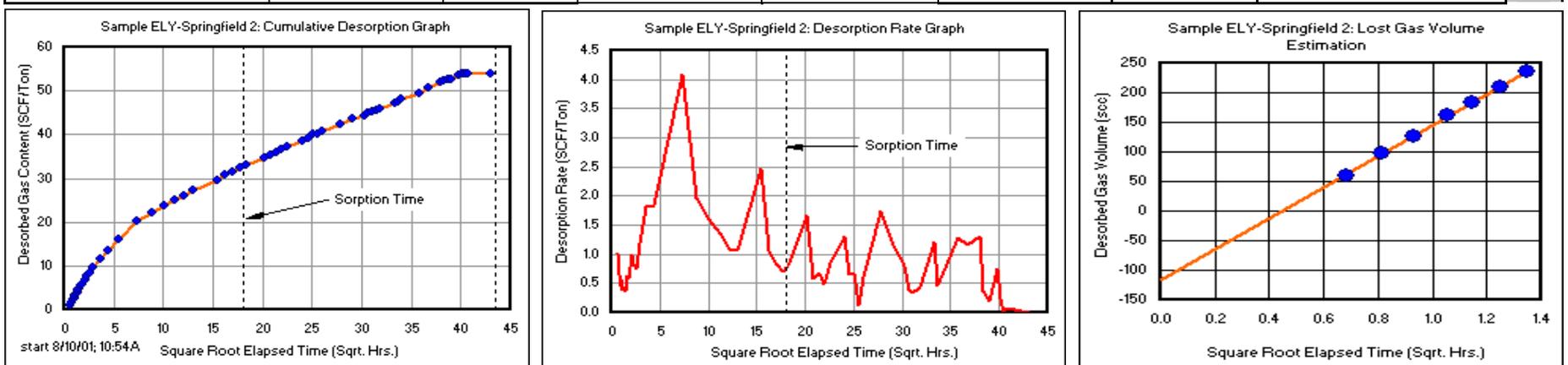
Total gas volume

USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
69.1	82.2	85.3	68.5	81.5	84.6

Other components

Sulfur	Moisture	Ash	Moisture plus ash	Sulfur, moisture, and ash	As-received	daf	dmmf
(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(scf/t)	(scf/t)	(scf/t)
4.42	8.19	7.78	15.97	19.02	13.28	15.80	16.40

Residual gas volume



Well:	Elysium #1
Operator:	Elysium Oil Co.
Location:	Richland Co., IL. NE/4, Sec. 27, T4N R9E
Field:	Clay City
Formation:	Pennsylvanian, Springfield Coal
Comments:	Coal seam is 1,109 feet deep and 54 inches thick

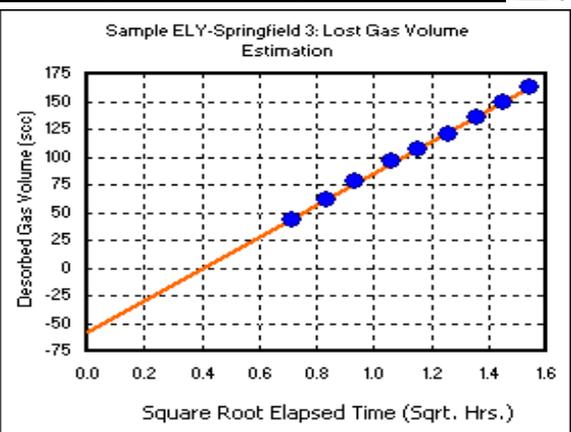
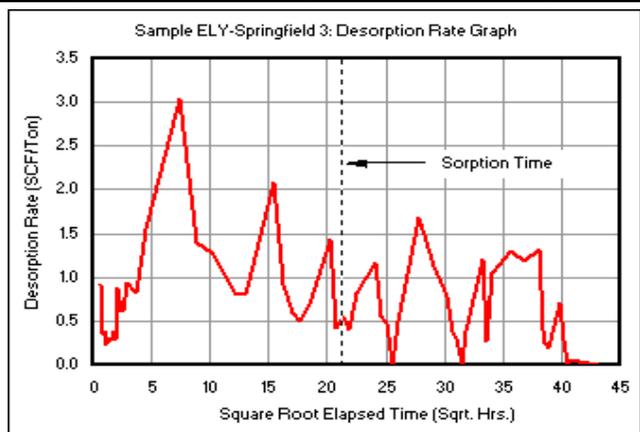
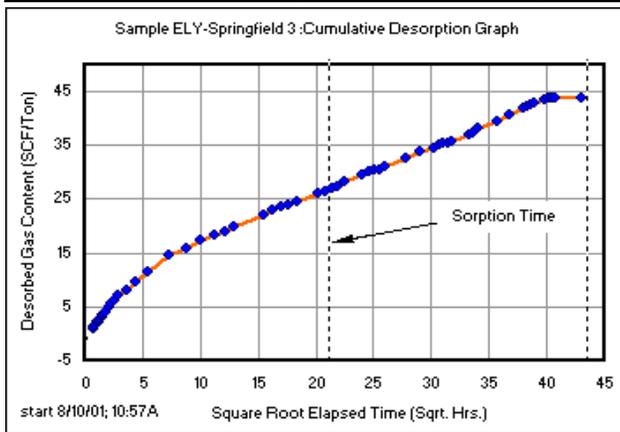
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
ELY-Springfield 3	B3	1,111	1,540	1,270	1,234	2,108.5	448.1

Lost gas volume					Sorption time (hr) for 63.2% of total gas 1,359.0
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
2.7	1.2	1.5	2.4	1.1	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
65.1	79.0	81.3	65.0	78.8	81.1

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
2.73	7.53	10.03	17.56	19.86	20.05	24.32	25.02



Well:	Elysium #1
Operator:	Elysium Oil Co.
Location:	Richland Co., IL. NE/4, Sec. 27, T4N R9E
Field:	Clay City
Formation:	Pennsylvanian, Houchin Creek Coal
Comments:	Coal seam is 1,160 feet deep and 10 inches thick

Basic information

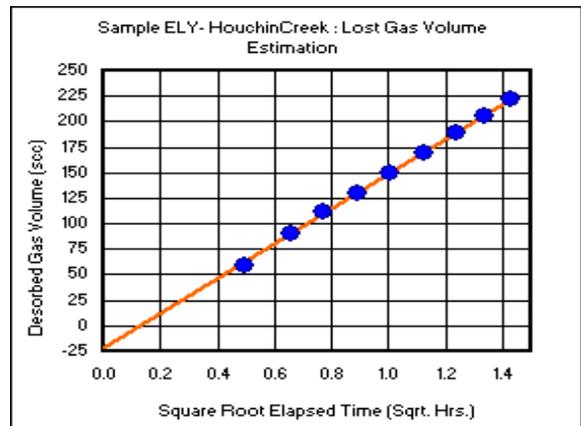
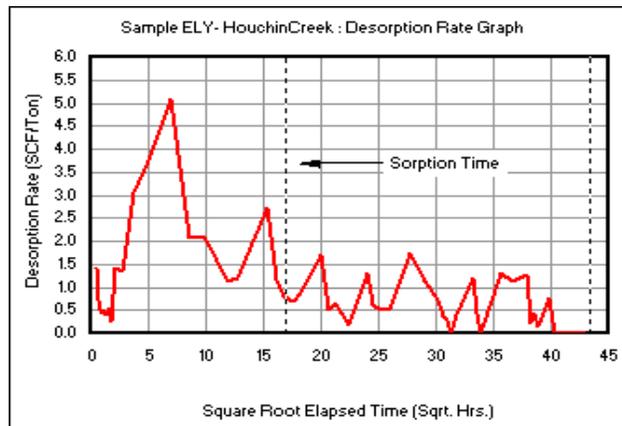
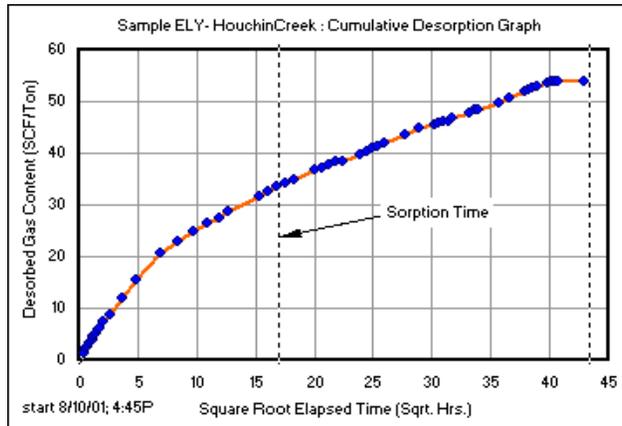
Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
ELY- HouchinCreek	B4	1,160	1,359	1,073	1,036	2281.1	286.3

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
1.0	0.5	0.7	2.0	1.1

Sorption time (hr) for 63.2% of total gas
390.0

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
57.6	72.9	75.5	58.2	73.7	76.3

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
2.89	7.09	13.98	21.07	23.78	3.27	4.14	4.29



Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian
Comments:	Coal seam is 640 feet deep and 10 inches thick

Basic information

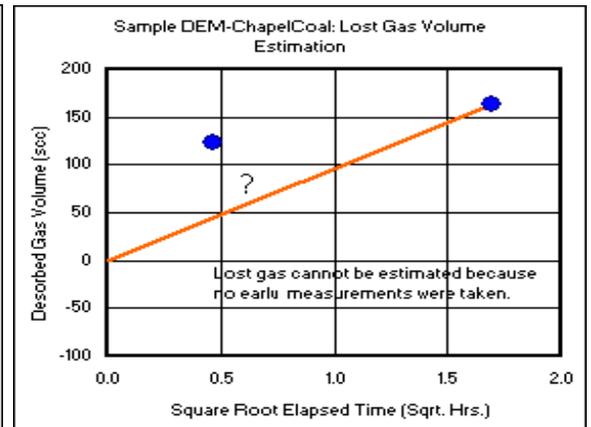
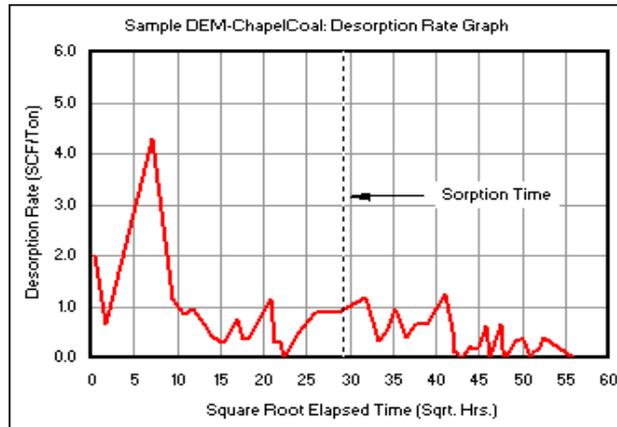
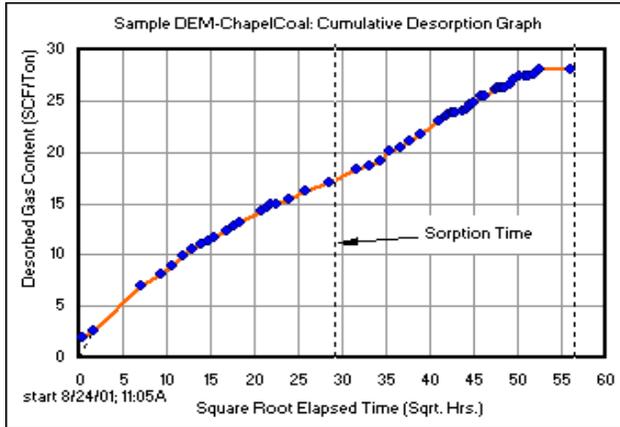
Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-ChapelCoal	F6	640	1,958	1,530	1,450	1,710.4	856.5

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
0.0	0.0	0.0	0.7	0.2

Sorption time (hr) for 63.2% of total gas	2,386.0
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Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	DMMF (scf/t)
43.2	55.3	58.4	42.0	53.7	56.7

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
5.09	5.66	16.19	21.85	25.94	13.80	17.66	18.63



Well:	DeMier Oil , USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Danville Coal
Comments:	Coal seam is 686 feet deep and 29 inches thick

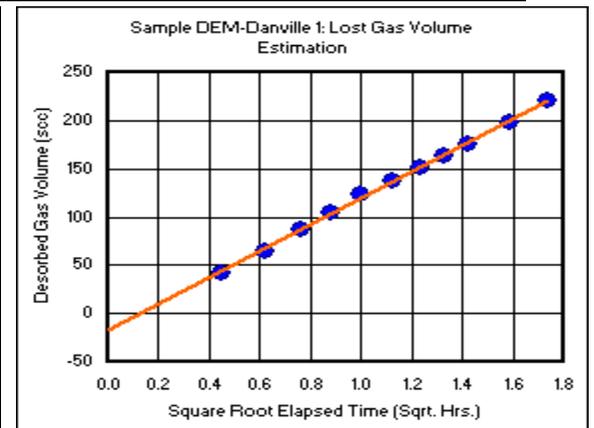
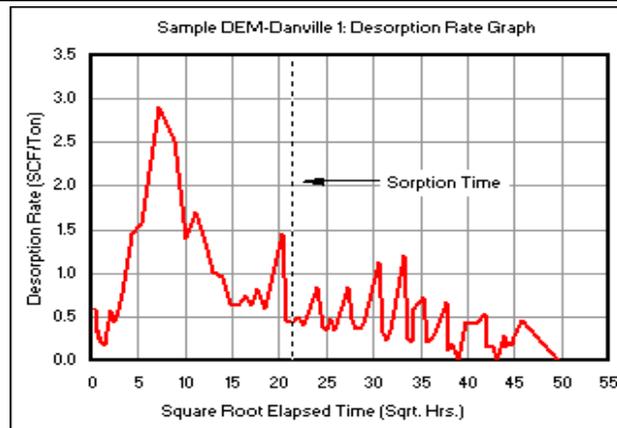
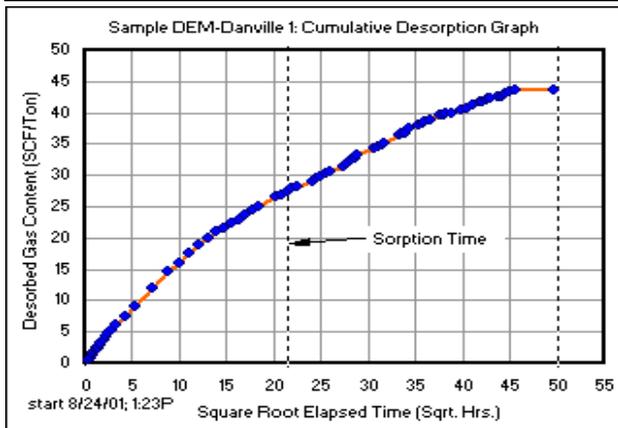
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-Danville 1	C1	686	2,229	1,810	1,716	3,043.6	458.8

Lost gas volume					Sorption time (hr) for 63.2% of total gas
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
0.6	0.3	0.3	0.7	0.3	2,002.0

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
68.2	84.0	88.6	68.3	84.1	88.7

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
5.79	6.19	12.62	18.81	23.00	24.20	29.81	31.43



Well	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Danville Coal
Comments:	Coal seam is 686 feet deep and 29 inches thick

Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-Danville 2	C2	687	2,391	1,581	1,453	3,020.2	485.4
							Sorption time (hr) for 63.2% of total gas
							1,756.0

Lost gas volume

USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
0.1	0.1	0.1	0.8	0.3

Total gas volume

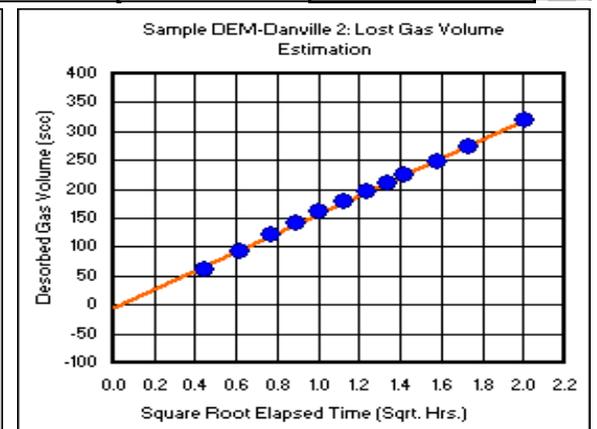
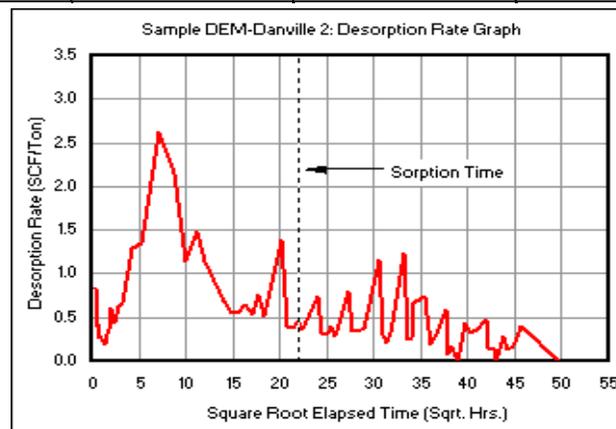
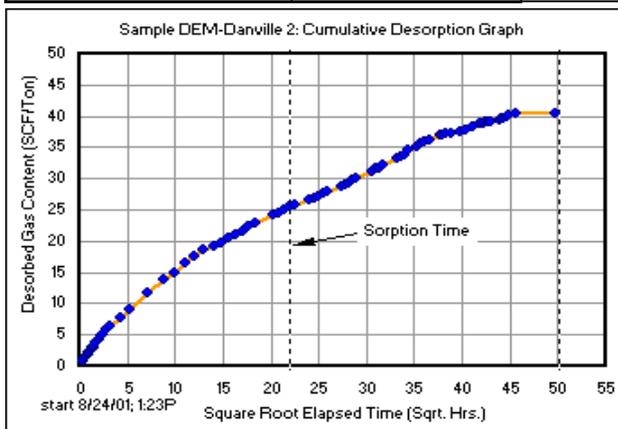
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
61.3	92.7	100.9	61.6	93.1	101.3

Other components

Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)
5.51	4.65	29.23	33.88	39.25

Residual gas volume

As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
20.76	31.40	34.17



Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Energy (Gray) Shale
Comments:	Shale is 762 feet deep and 288 inches thick

Basic information

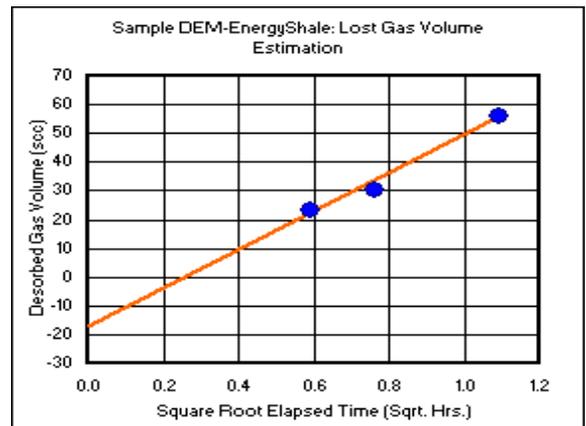
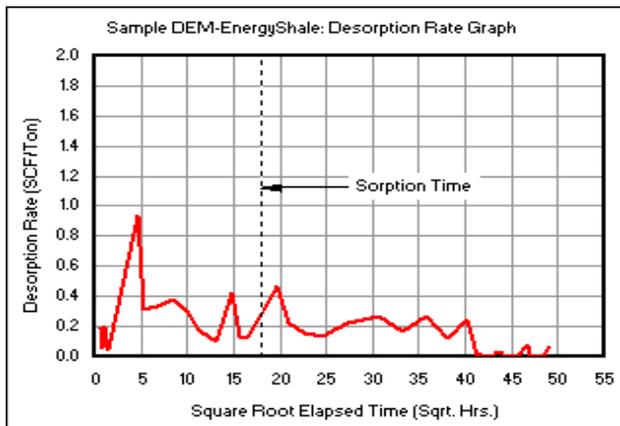
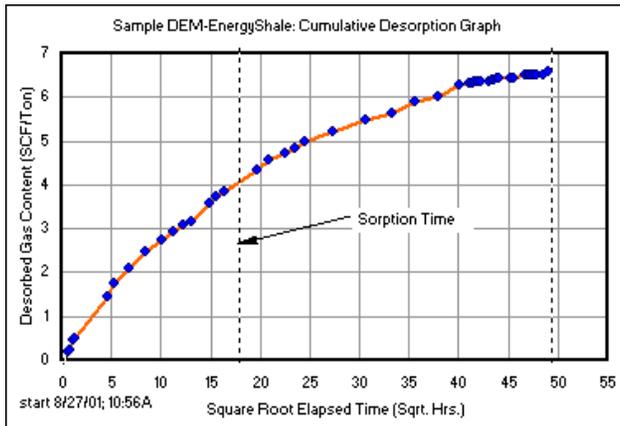
Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-EnergyShale	C5 & F4	784	3,979	nd	nd	817.2	319.9

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
2.1	0.1	nd	2.1	0.1

Total gas volume				
USBM			Smith and Williams	
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)
11.7	nd	nd	6.7	nd

*Not and actual measurement; it was estimated based on the data on other shale samples in this well.

Other components						Residual gas volume*		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)*	daf (scf/t)	dmmf (scf/t)	
n/a	n/a	n/a	nd	nd	5.00	nd	nd	



Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Herrin Coal
Comments:	Coal seam is 786 feet deep and 108 inches thick

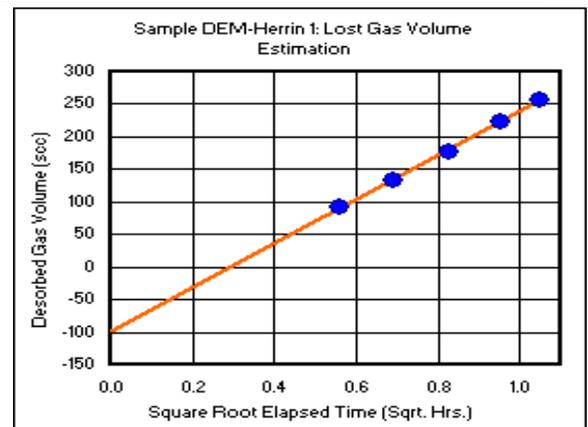
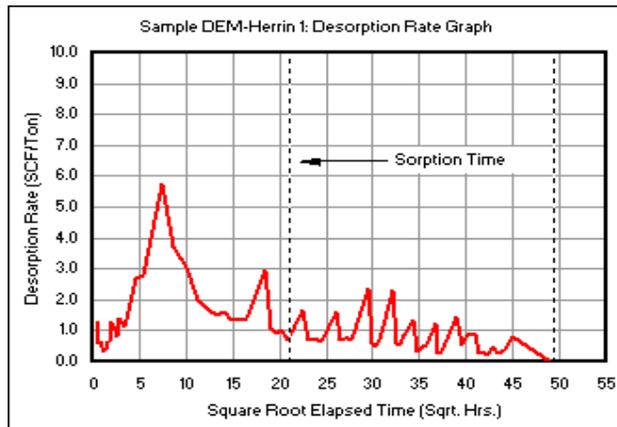
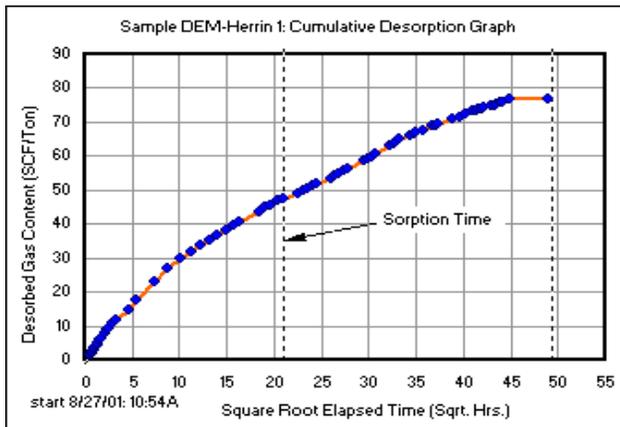
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-Herrin 1	C3	786	2,319	1,922	1,888	5,556.5	440.4

Lost gas volume					Sorption time (hr) for 63.2% of total gas
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
1.8	1.4	1.7	1.4	1.1	1,766.0

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
117.2	141.4	144.0	116.9	141.0	143.6

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
1.71	10.42	6.68	17.10	18.57	39.09	47.15	48.01



Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Herrin Coal
Comments:	Coal seam is 786 feet deep and 108 inches thick

Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-Herrin 2	C4	787	2,299	2,016	1,979	5,586.2	375.8
							Sorption time (hr) for 63.2% of total gas
							1,313.0

Lost gas volume

USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
1.7	1.4	1.6	2.1	1.6

Total gas volume

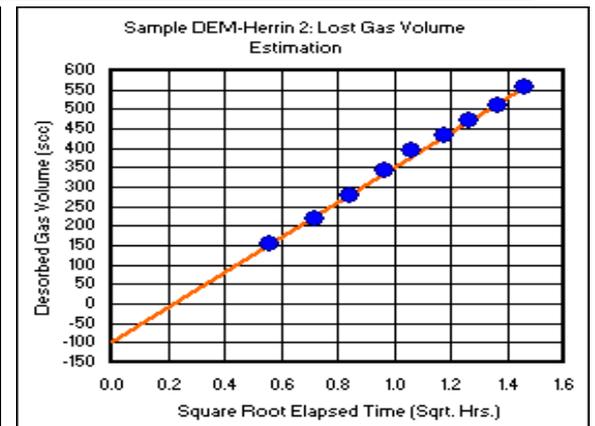
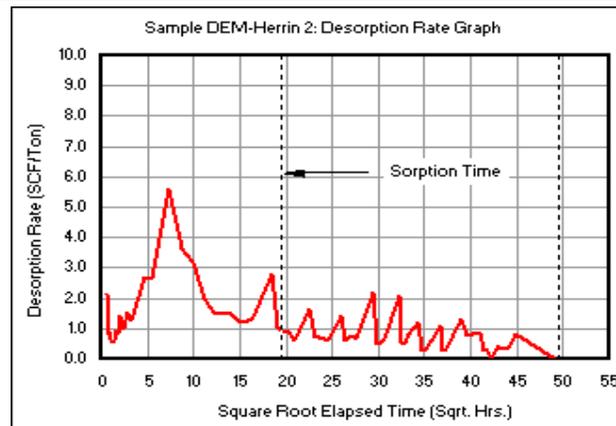
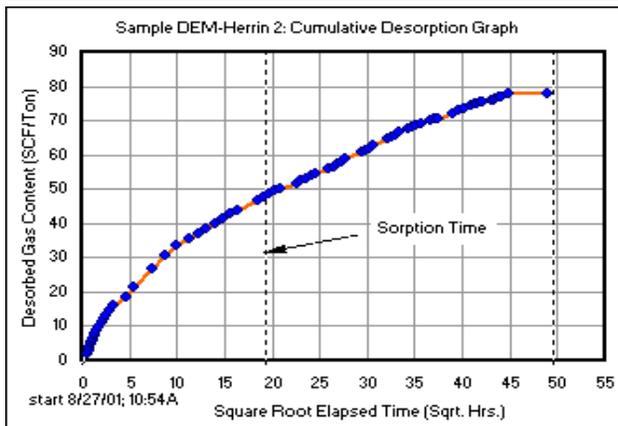
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
110.1	125.5	127.8	110.3	125.8	128.2

Other components

Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)
2.34	8.64	3.68	12.32	13.90

Residual gas volume

As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
30.85	35.18	35.83



Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Herrin Coal
Comments:	Coal seam is 786 feet deep and 108 inches thick

Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-Herrin 3	D1	788	2,124	1,833	1,816	4,118.1	672.0
Lost gas volume							Sorption time (hr) for 63.2% of total gas >2,404
USBM			Smith and Williams				
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)			
0.1	0.0	0.1	0.7	0.5			

Total gas volume

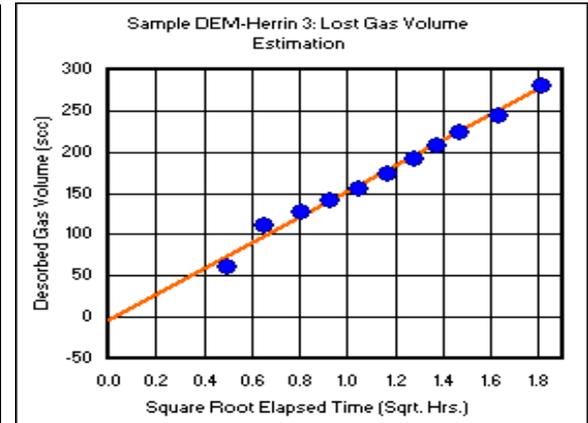
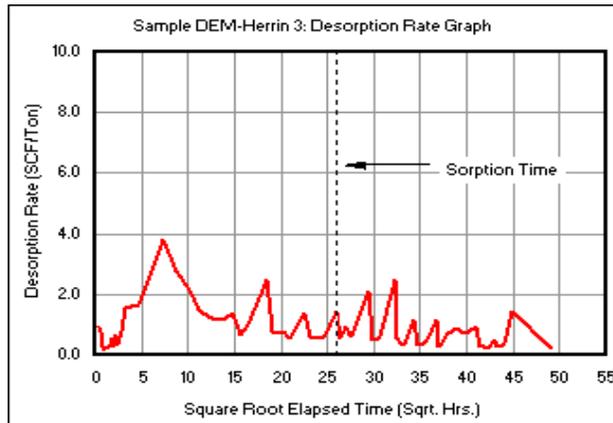
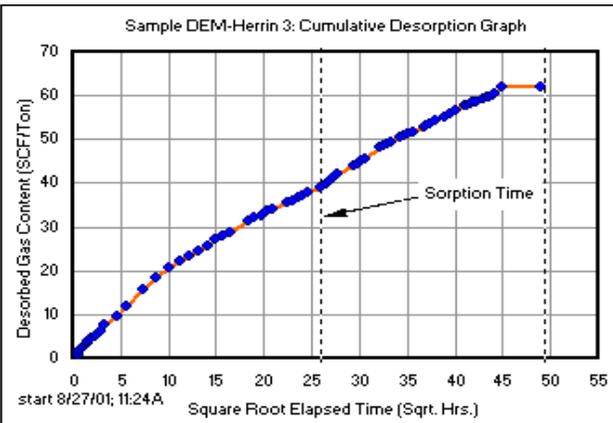
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
101.2	117.3	118.4	101.6	117.7	118.9

Other components

Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)
0.86	9.49	4.19	13.68	14.49

Residual gas volume

As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
39.06	45.25	45.68



Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Turner Mine Shale
Comments:	Shale is 826 feet deep and 60 inches thick

Basic information

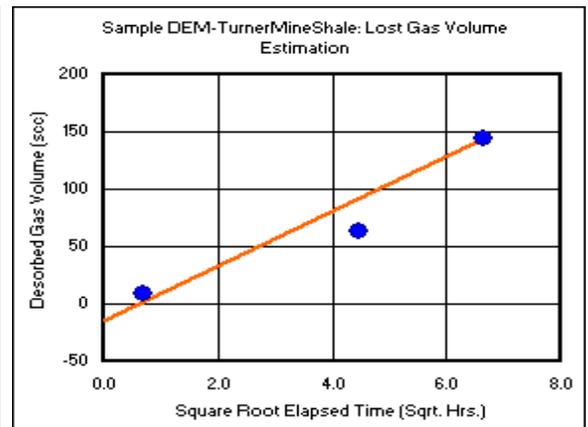
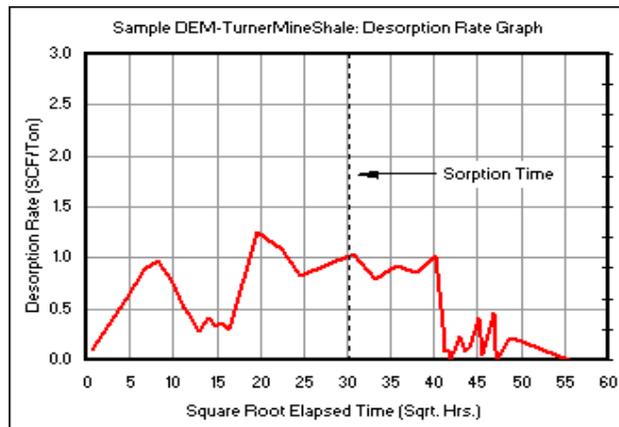
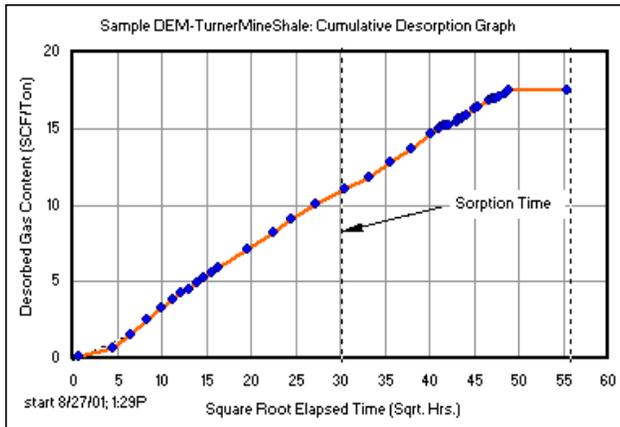
Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-TurnerMineShale	F5 & F9	826	2,923	1,037	862	1,591.8	910.3

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
0.9	0.2	0.5	0.4	0.1

Sorption time (hr) for 63.2% of total gas
>3,068

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
33.0	93.0	111.8	32.9	92.7	111.6

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
1.80	2.07	62.46	64.53	70.52	15.37	43.33	52.13



Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Springfield Coal
Comments:	Coal seam is 849 feet deep and 66 inches thick

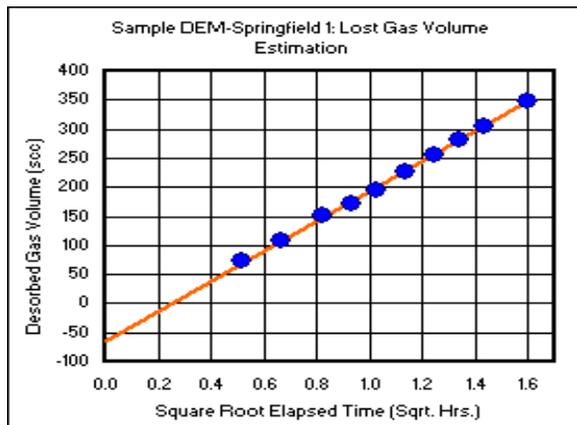
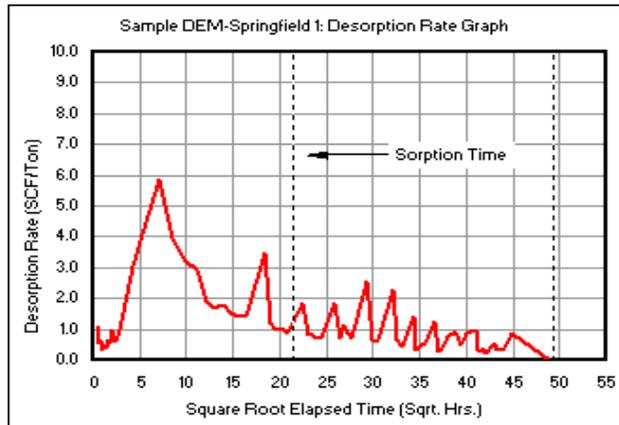
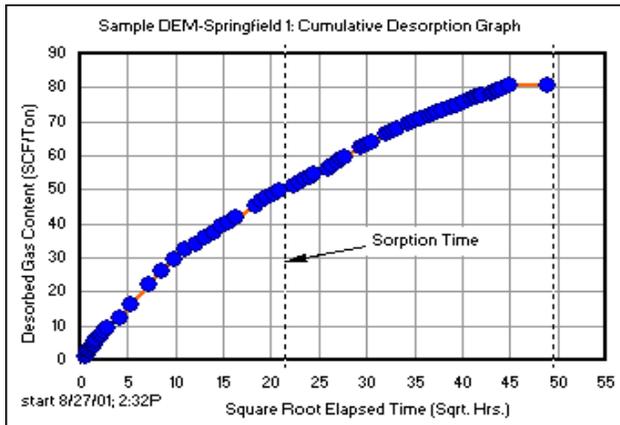
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-Springfield 1	D2	849	2,095	1,702	1,648	5275.9	460.6

Lost gas volume					Sorption time (hr) for 63.2% of total gas 1,619.0
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
1.2	1.0	1.3	1.0	0.8	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
120.0	147.7	152.5	119.7	147.4	152.2

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.24	9.02	9.74	18.76	21.32	38.27	47.11	48.64



Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Sprigfield Coal
Comments:	Coal seam is 849 feet deep and 66 inches thick

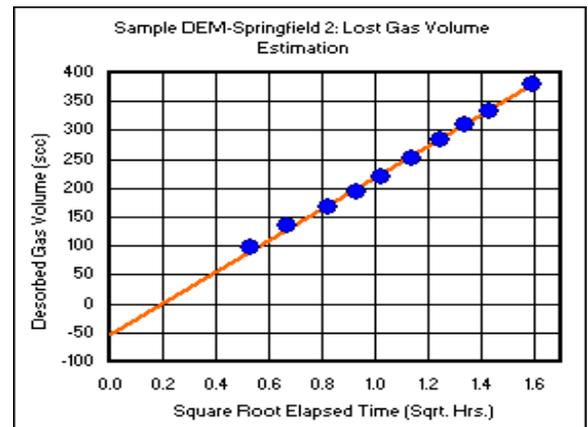
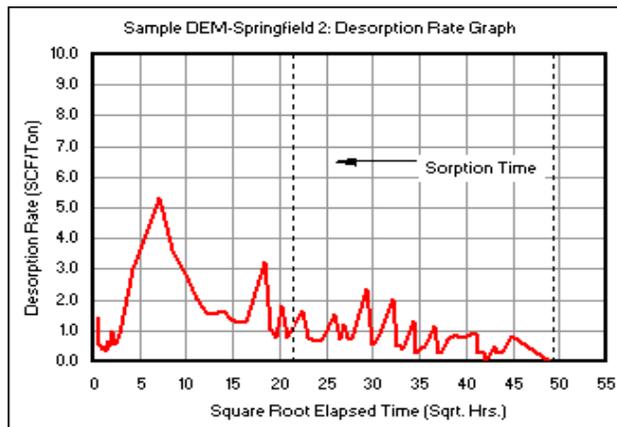
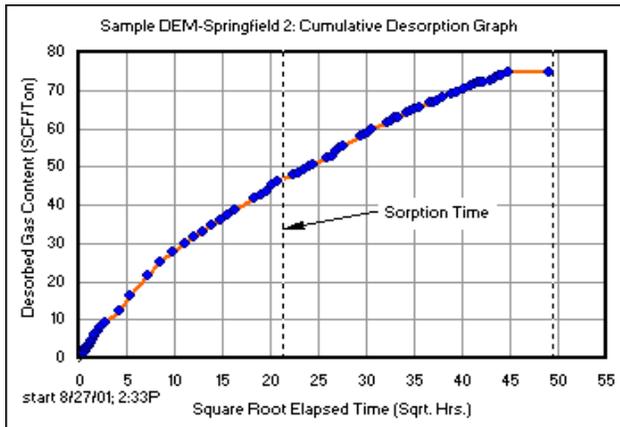
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-Springfield 2	D3	850	2,196	1,893	1,863	5,129.9	456.1

Lost gas volume					Sorption time (hr) for 63.2% of total gas
USBM			Smith and Williams		1,802.0
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
1.0	0.8	0.9	1.1	0.9	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
114.6	132.9	135.1	114.7	133.0	135.2

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
1.74	8.35	5.43	13.78	15.17	39.02	45.26	46.00



Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Springfield Coal
Comments:	Coal seam is 849 feet deep and 66 inches thick

Basic information

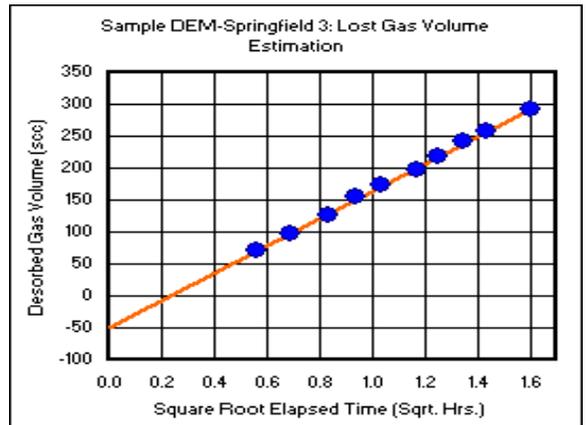
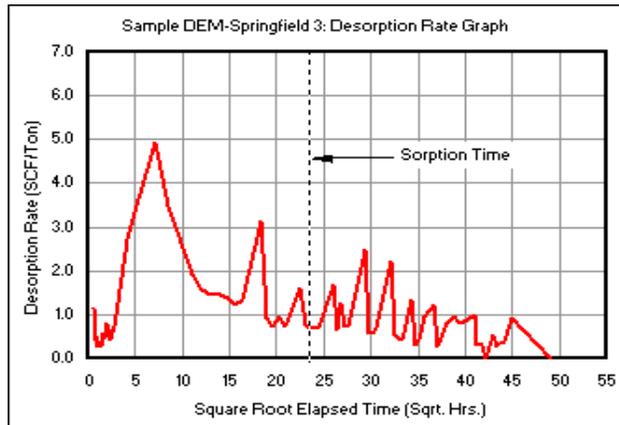
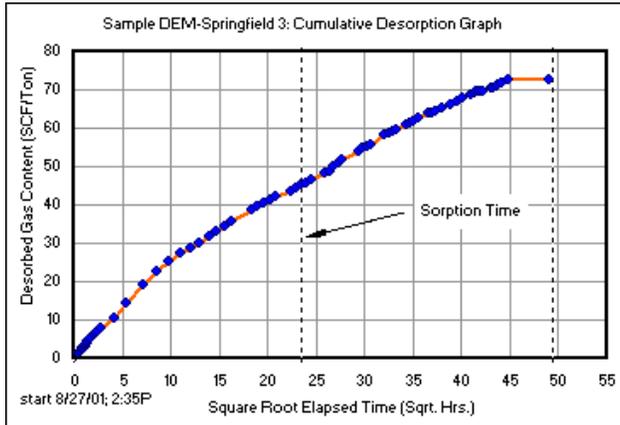
Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-Springfield 3	D4	851	1,981	1,704	1,679	4,483.7	554.3

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
1.1	0.8	1.0	1.1	0.8

Sorption time (hr) for 63.2% of total gas
1,629.0

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
107.7	125.2	127.1	107.7	125.2	127.0

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
1.39	7.70	6.28	13.98	15.25	34.36	39.94	40.54



Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Houchin Creek Coal
Comments:	Coal is 912 feet deep and 15 inches thick

Basic information

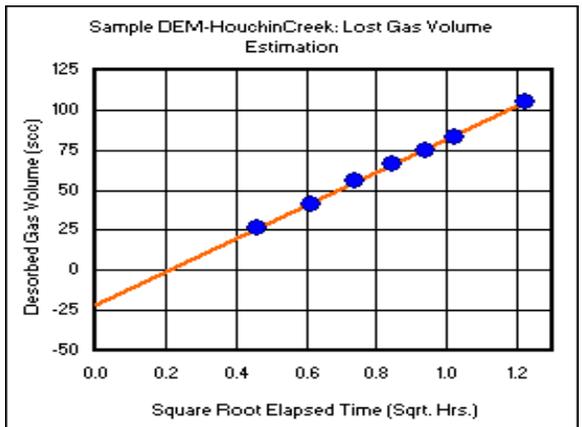
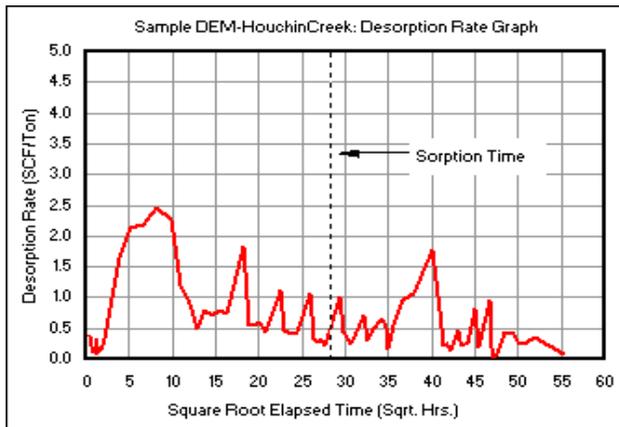
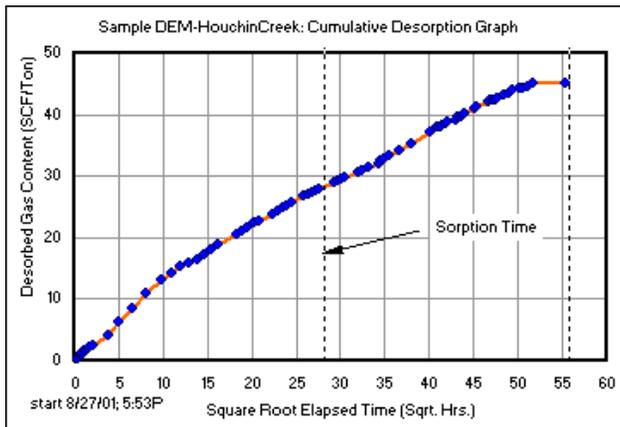
Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-HouchinCreek	D5 and F7	912	2,220	1,887	1,805	3,123.4	797.7

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
0.7	0.3	0.4	0.5	0.2

Sorption time (hr) for 63.2% of total gas
>3,063

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
74.6	87.8	91.8	74.5	87.7	91.7

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
5.16	4.32	10.70	15.02	18.71	29.24	34.41	35.97



Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Survant Coal
Comments:	Coal seam is 954 feet deep and 30 inches thick

Basic information

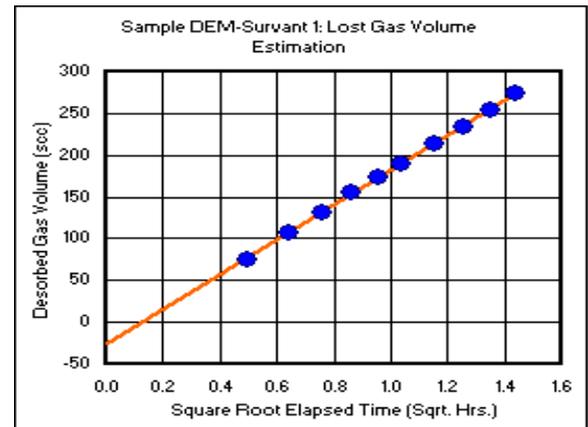
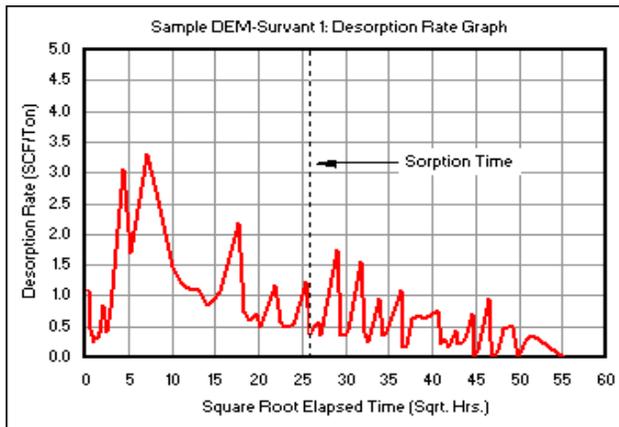
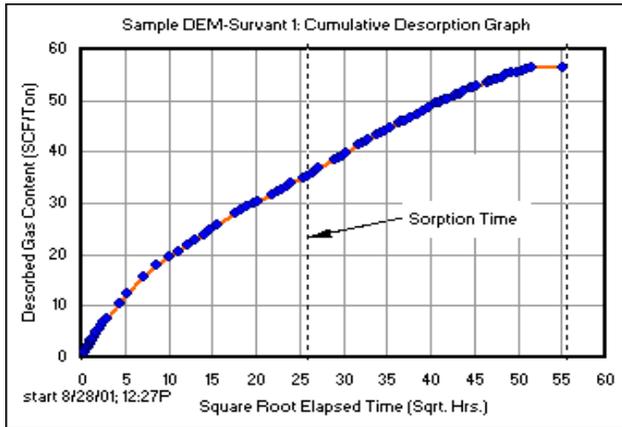
Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-Survant 1	E1	954	2,193	1,909	1,854	3859.1	669.7

Lost gas volume				
USBM		Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
0.7	0.4	0.4	0.9	0.5

Sorption time (hr) for 63.2% of total gas
1,011.0

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
65.3	75.0	77.3	65.5	75.2	77.4

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.48	5.53	7.40	12.93	15.44	8.58	9.85	10.15



Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Survant Coal
Comments:	Coal seam is 954 feet deep and 30 inches thick

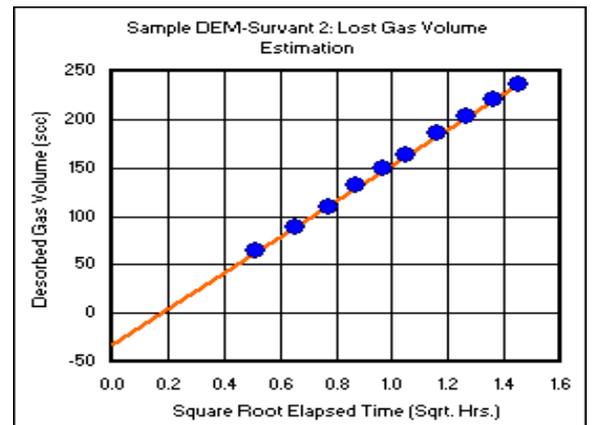
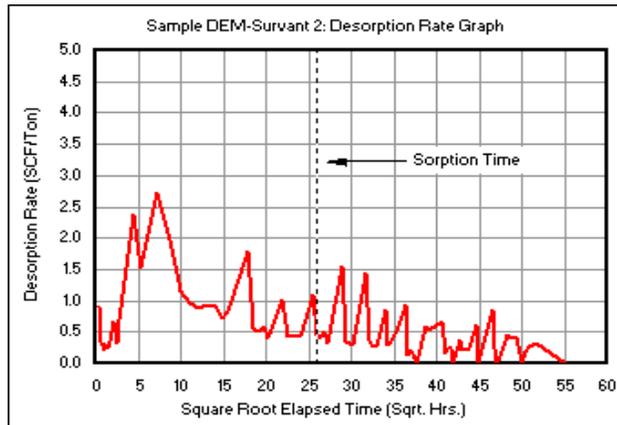
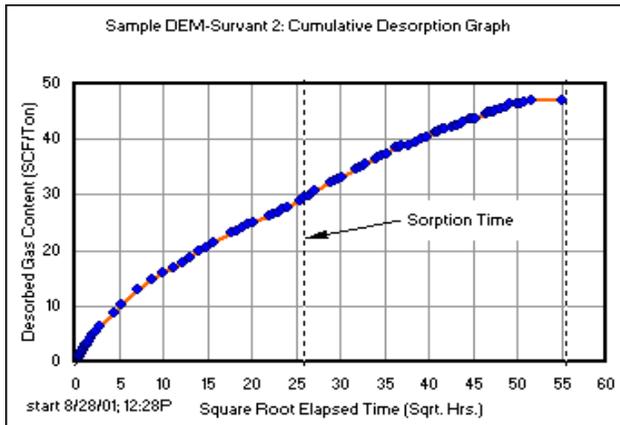
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-Survant 2	E2	955	2,244	1,905	1,858	3,296.4	673.9

Lost gas volume					Sorption time (hr) for 63.2% of total gas 1,138.0
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
1.0	0.5	0.6	1.0	0.5	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
57.2	67.4	69.1	57.2	67.4	69.1

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
2.25	4.56	10.55	15.11	17.19	9.68	11.40	11.69



Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Mecca Quarry Shale
Comments:	Shale is 1,016 feet deep and 30 inches thick

Basic information

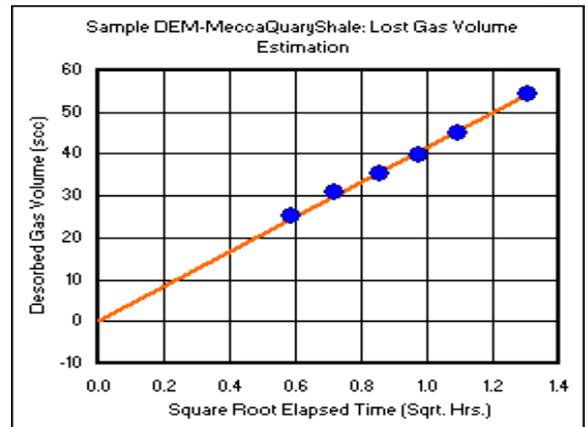
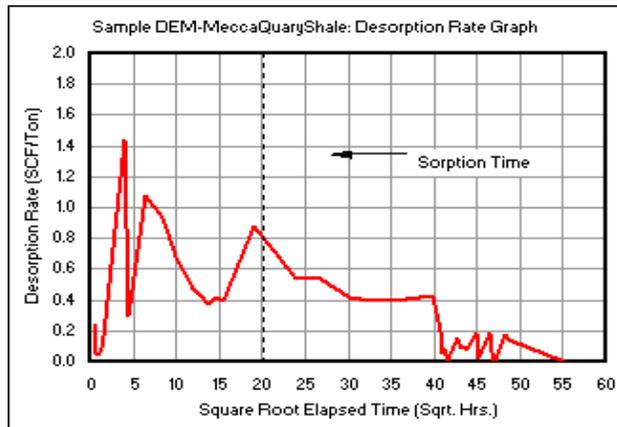
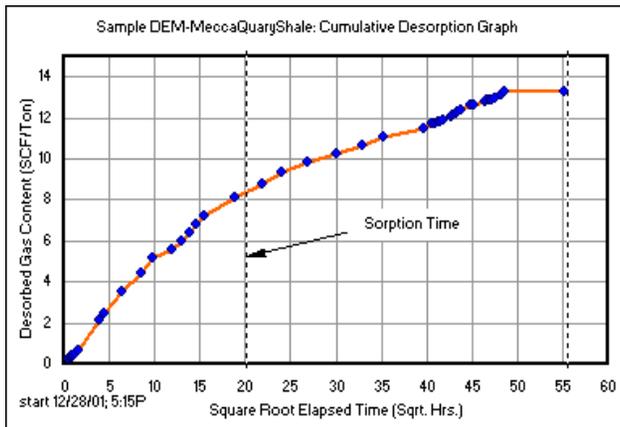
Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-MeccaQuarryShale	C5 & F8	1,017	3,307	1,005	766	1,366.9	402.8

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
0.0	0.0	0.0	1.4	0.2

Sorption time (hr) for 63.2% of total gas
>3,040

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
21.7	71.4	93.7	21.9	72.1	94.5

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.40	2.82	66.79	69.61	76.82	8.47	27.87	36.55



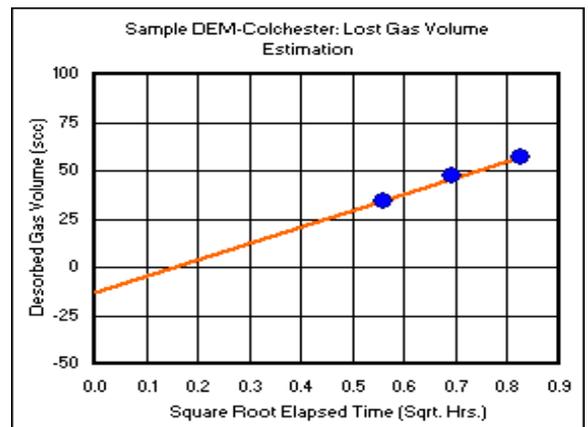
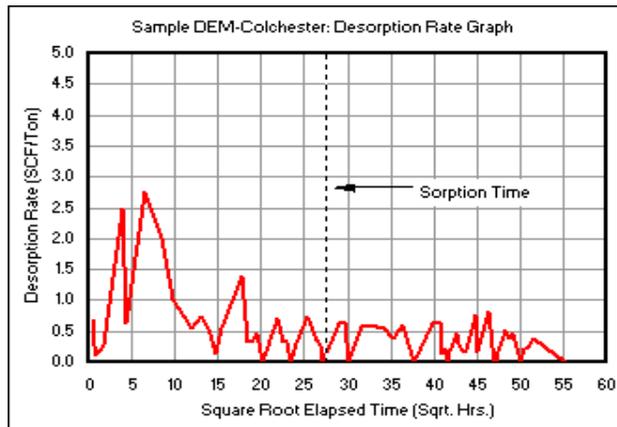
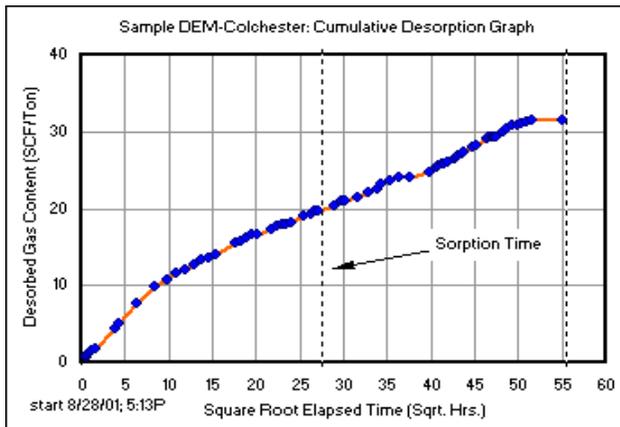
Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Colchester Coal
Comments:	Coal seam is 1,019 feet deep and 8 inches thick

Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-Colchester	E3 and F3	1,019	1,580	1,244	1,156	1,556.2	754.9
Lost gas volume							Sorption time (hr) for 63.2% of total gas 2,254.0
USBM			Smith and Williams				
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)			
0.9	0.3	0.4	1.1	0.4			

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
46.5	59.1	63.6	46.6	59.2	63.7

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
7.62	3.93	17.35	21.28	26.86	14.69	18.66	20.08



Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Upper Dekoven Coal
Comments:	Coal seam is 1,054 feet deep and 30 inches thick

Basic information

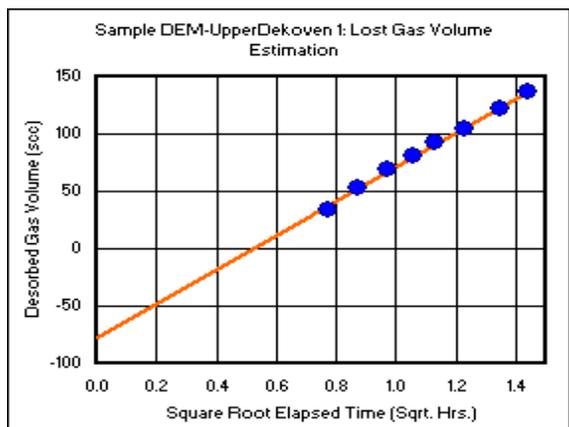
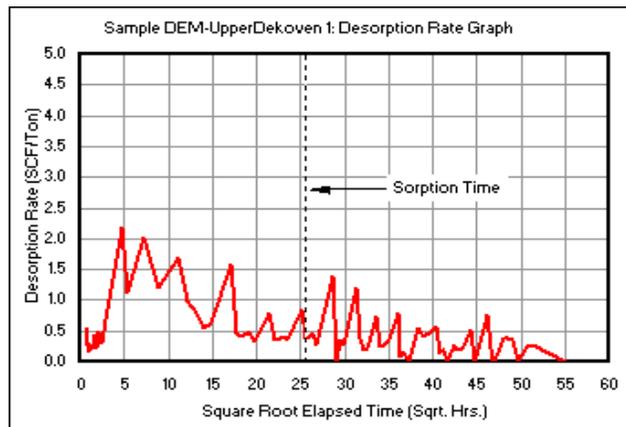
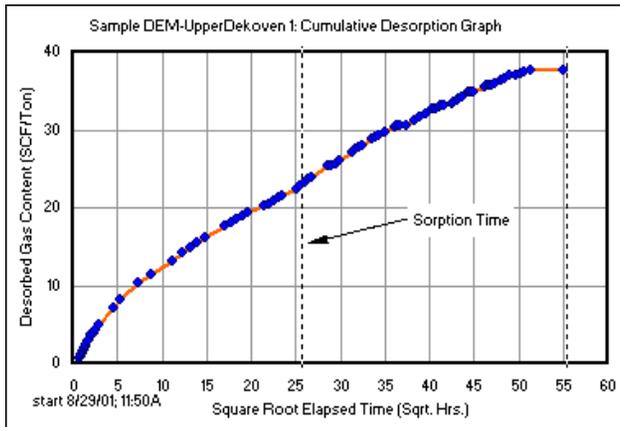
Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-UpperDekoven 1	E3	1,054	1,997	1,687	1,621	2,344.3	656.3

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
3.2	1.3	1.5	2.2	0.8

Sorption time (hr) for 63.2% of total gas
>3,021

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
62.0	73.3	76.3	61.5	72.8	75.8

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
4.36	4.45	11.07	15.52	18.80	23.09	27.33	28.44



Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Upper Dekoven Coal
Comments:	Coal seam is 1,054 feet deep and 30 inches thick

Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-UpperDekoven 2	E4	1,055	2,250	1,890	1,826	2,525.6	679.6

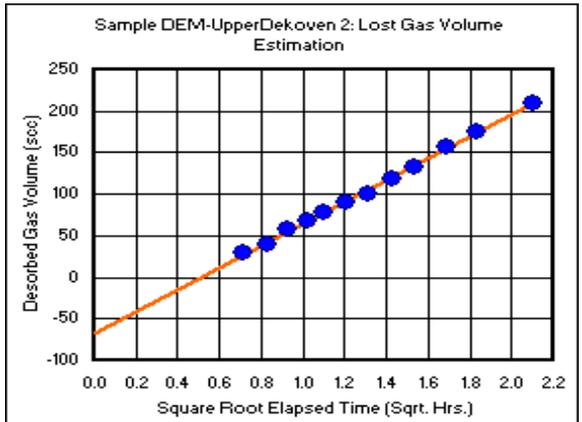
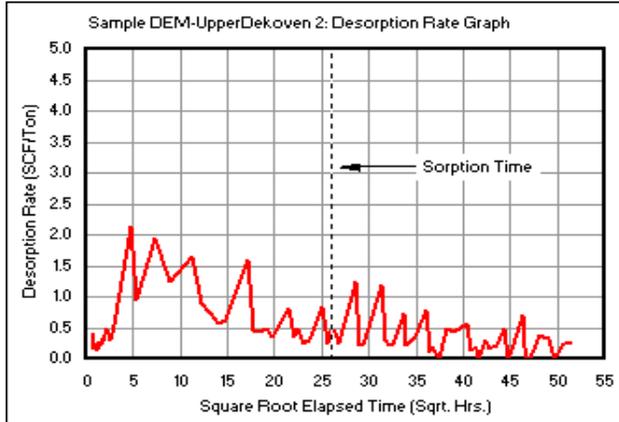
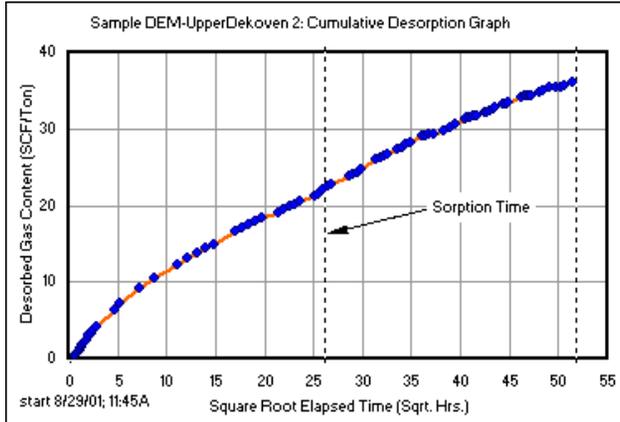
Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
2.6	1.0	1.2	1.6	0.6

Sorption time (hr) for 63.2% of total gas
2,249.0

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
54.4	64.8	67.1	54.1	64.3	66.6

*Canister sample valve was damaged during transportation to the residual gas measurement site. Therefore, residual gas value is an estimate based on the value for the other Upper Dekoven sample.

Other components					Residual gas volume*		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.52	4.53	11.47	16.00	18.85	17.50	20.83	21.57



Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Lower Dekoven Coal
Comments:	Coal seam is 1,072 feet deep and 23 inches thick

Basic information

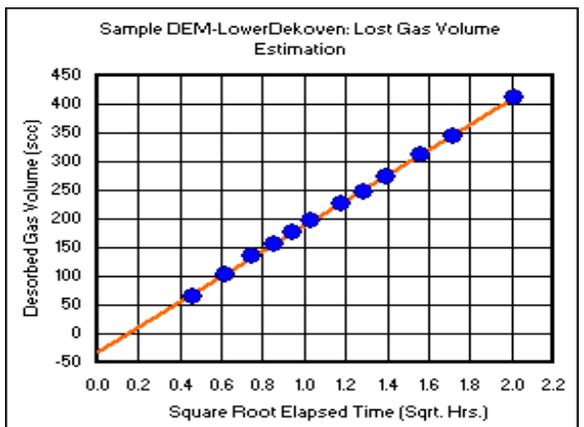
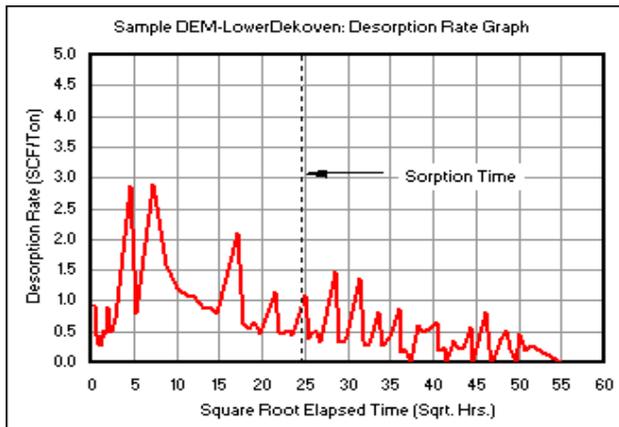
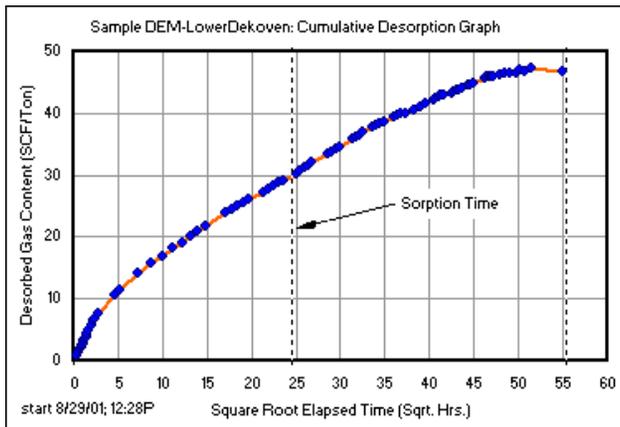
Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-LowerDekoven	E5	1,072	2,283	1,894	1,805	3,417.0	604.8

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
0.9	0.4	0.6	1.0	0.5

Sorption time (hr) for 63.2% of total gas
1,346.0

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
63.1	76.0	79.8	63.1	76.0	79.8

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
5.24	4.12	12.90	17.02	20.93	14.67	17.68	18.55



Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Davis Coal
Comments:	Coal seam is 1,077 feet deep and 31 inches thick

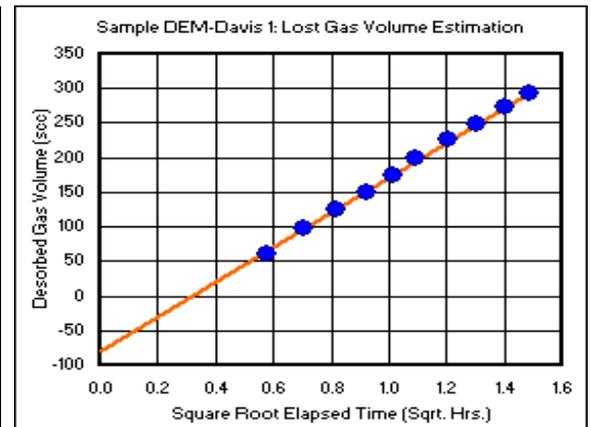
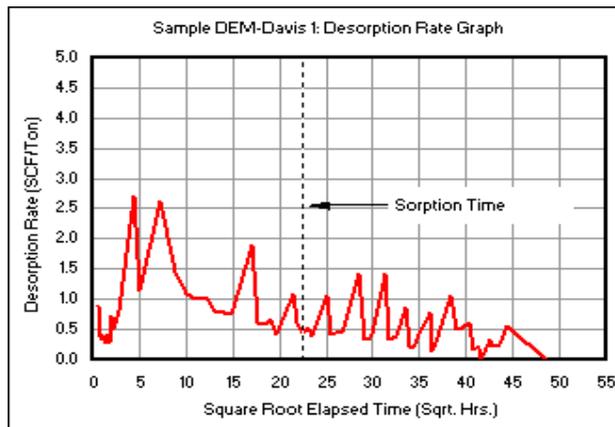
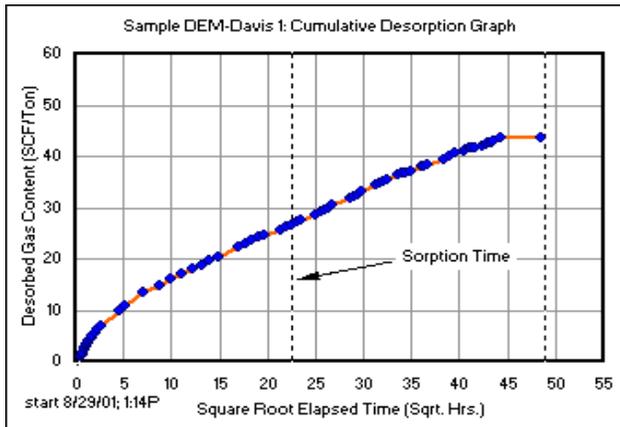
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-Davis 1	C5	1,077	2,238	1,747	1,652	3,036.5	503.8

Lost gas volume					Sorption time (hr) for 63.2% of total gas >2,355
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
2.6	1.2	1.6	2.0	0.9	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
70.1	89.8	95.0	69.8	89.5	94.6

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
5.12	4.47	17.48	21.95	26.16	25.48	32.65	34.51



Well:	DeMier Oil, USX #2564-3
Operator:	DeMier Oil Co.
Location:	Franklin Co., IL. NE1/4, Sec. 25, T6S R4E
Field:	US Steel
Formation:	Pennsylvanian, Davis Coal
Comments:	Coal seam is 1,077 feet deep and 31 inches thick

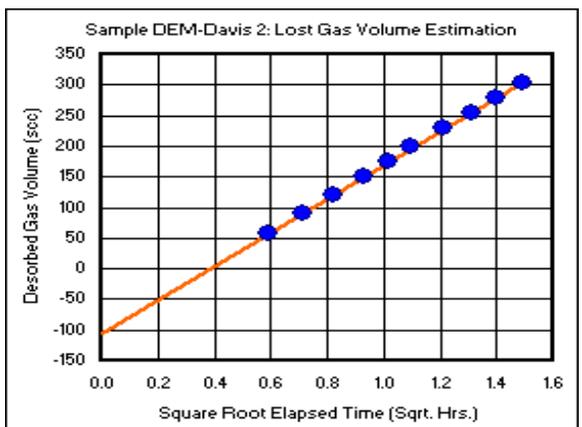
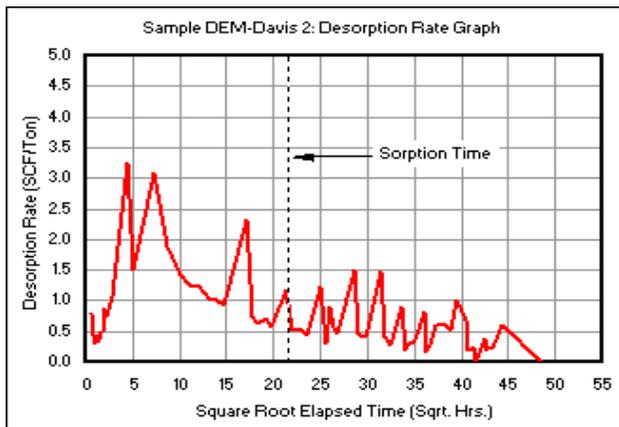
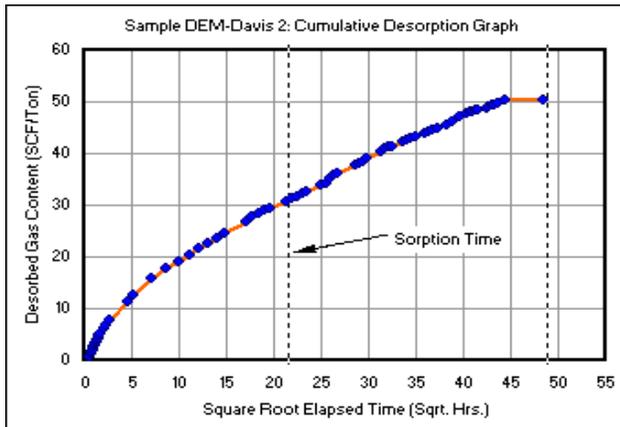
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
DEM-Davis 2	D5	1,078	2,313	1,783	1,665	3,637.5	464.7
							Sorption time (hr) for 63.2% of total gas
							1,646.0

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
2.8	1.5	2.0	2.1	1.1

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
75.8	98.3	105.2	75.4	97.8	104.7

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
7.14	8.26	14.65	22.91	28.01	23.92	31.03	33.23



Well:	Clark #1
Operator:	CNX Land Resources
Location:	Clark Co., IL. Sec. 8, T9N, R12W
Field:	CNX Land Resources
Formation:	Pennsylvanian, Danville Coal
Comments:	Coal seam is 553 feet deep and 42 inches thick

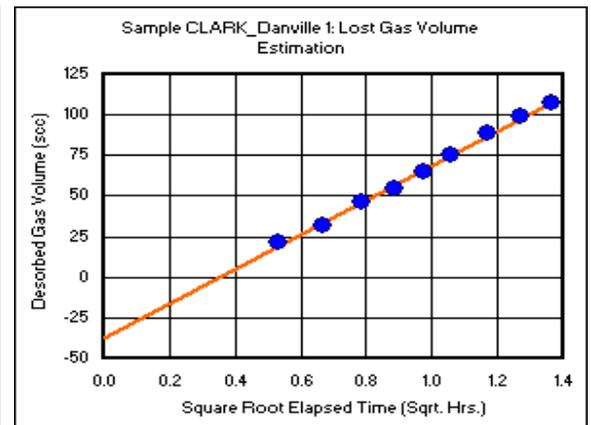
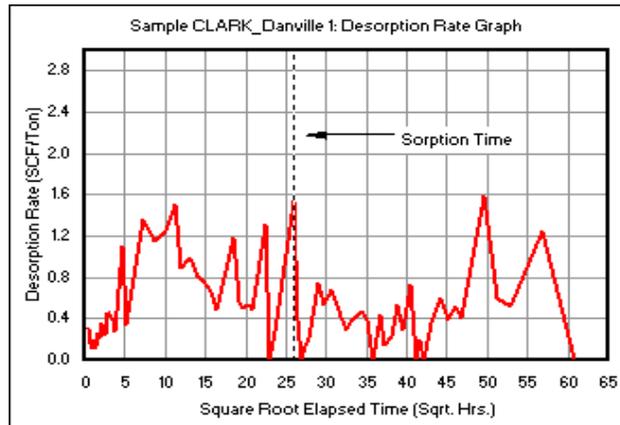
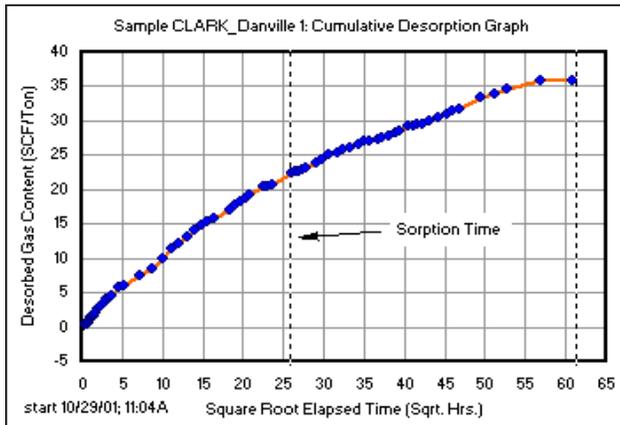
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
CLARK_Danville 1	A1	553	2,245	1,672	1,637	2,505.4	667.6

Lost gas volume					Sorption time (hr) for 63.2% of total gas
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
1.5	0.5	0.7	0.6	0.2	1,616.0

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
46.1	61.9	63.2	45.8	61.5	62.8

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
0.99	12.87	12.64	25.51	27.07	9.83	13.20	13.48



Well:	Clark #1
Operator:	CNX Land Resources
Location:	Clark Co., IL. Sec. 8, T9N, R12W
Field:	CNX Land Resources
Formation:	Pennsylvanian, Danville Coal
Comments:	Coal seam is 553 feet deep and 42 inches thick

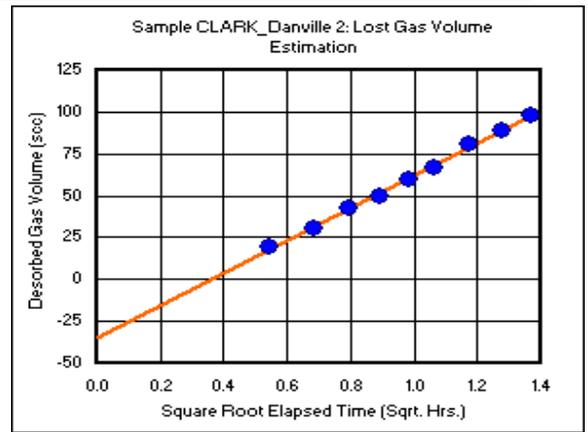
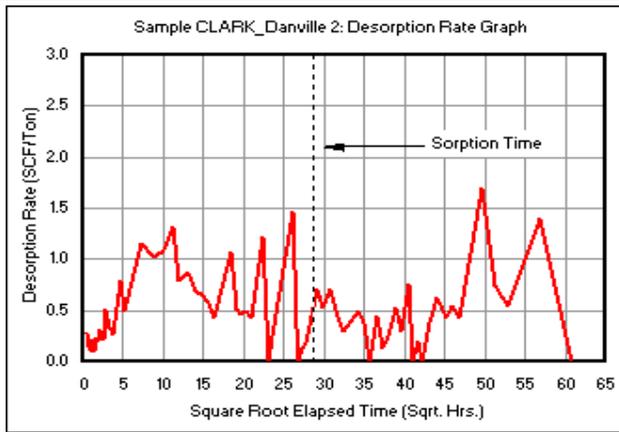
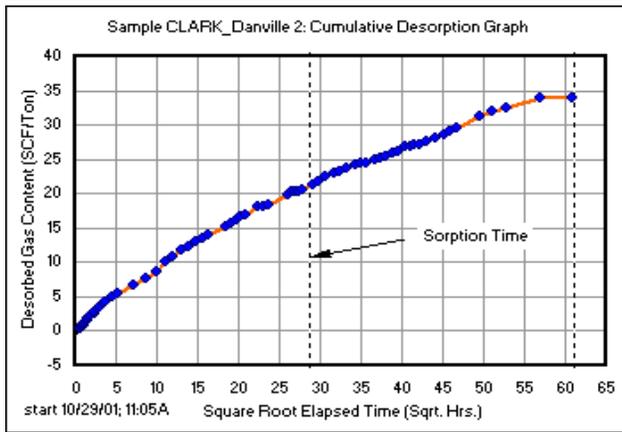
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
CLARK_Danville 2	A2	554	2,204	1,781	1750	2,334.9	822.3
							Sorption time (hr) for 63.2% of total gas
							2,396.0

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
1.5	0.5	0.6	0.5	0.2

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
48.9	60.5	61.6	48.5	60.1	61.2

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
1.16	9.55	9.66	19.21	20.62	14.43	17.86	18.18



Well:	Clark #1
Operator:	CNX Land Resources
Location:	Clark Co., IL. Sec. 8, T9N, R12W
Field:	CNX Land Resources
Formation:	Pennsylvanian, Jamestown Coal
Comments:	Coal seam is 582 feet deep and 64 inches thick

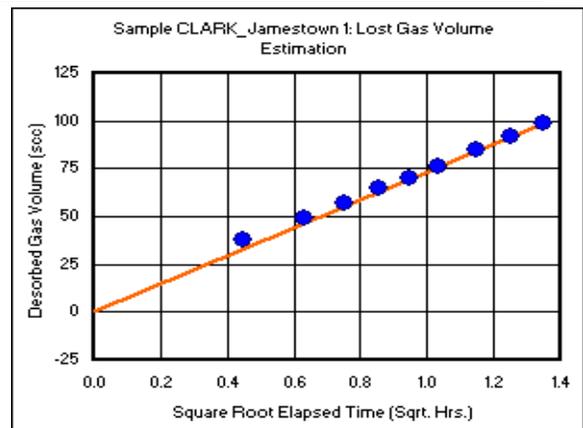
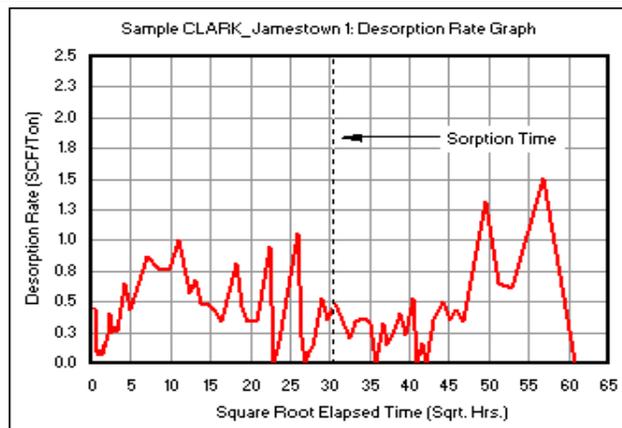
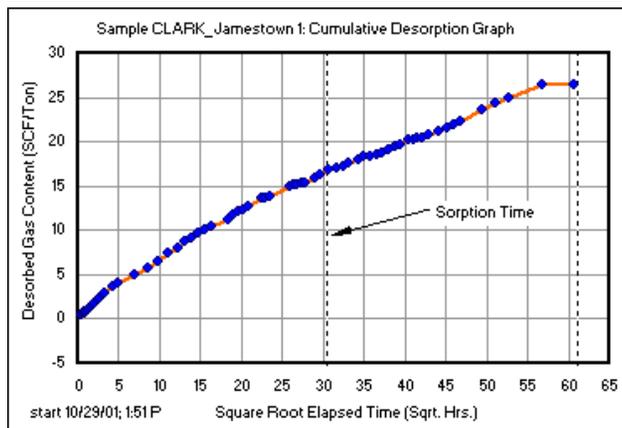
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
CLARK_Jamestown 1	A3	582.7	2,645	1,855	1,733	2,179.8	925.4

Lost gas volume					Sorption time (hr) for 63.2% of total gas
USBM			Smith and Williams		3,185.0
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
0.0	0.0	0.0	0.3	0.1	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
41.5	59.1	63.3	41.6	59.3	63.4

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
5.09	7.18	22.68	29.86	34.47	15.08	21.50	23.01



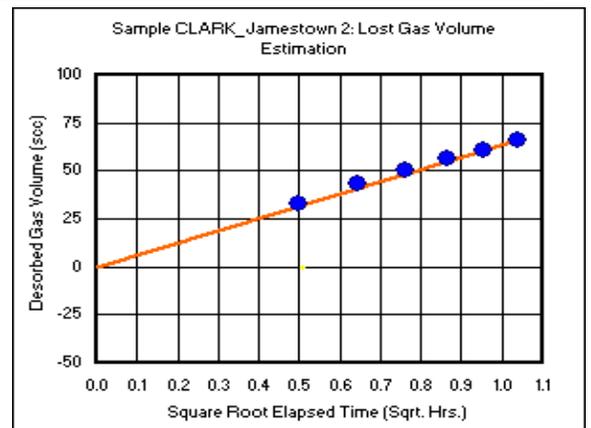
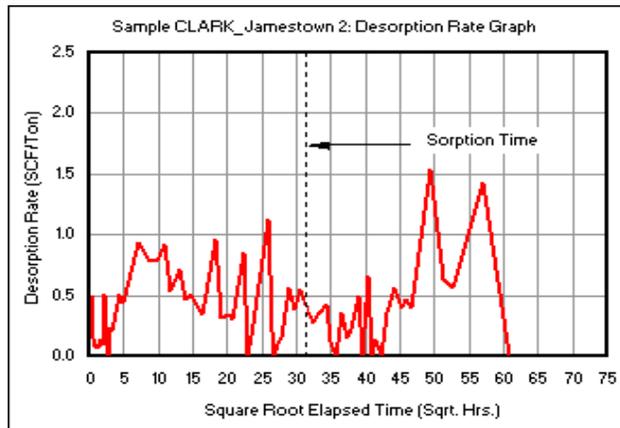
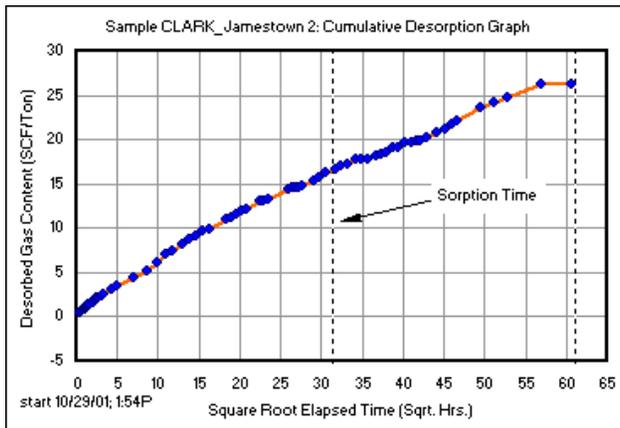
Well:	Clark #1
Operator:	CNX Land Resources
Location:	Clark Co., IL. Sec. 8, T9N, R12W
Field:	CNX Land Resources
Formation:	Pennsylvanian, Jamestown Coal
Comments:	Coal seam is 582 feet deep and 64 inches thick

Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
CLARK_Jamestown 2	A4	583.7	2,137	1,725	1,673	1,747.3	979.5
Lost gas volume							Sorption time (hr) for 63.2% of total gas
USBM			Smith and Williams				>3,691
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)			
0.0	0.0	0.0	0.4	0.1			

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
45.9	56.9	58.7	46.0	57.0	58.8

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
2.76	7.49	11.78	19.27	21.73	19.74	24.45	25.22



Well:	Clark #1
Operator:	CNX Land Resources
Location:	Clark Co., IL. Sec. 8, T9N, R12W
Field:	CNX Land Resources
Formation:	Pennsylvanian, Jamestown Coal
Comments:	Coal seam is 582 feet deep and 64 inches thick

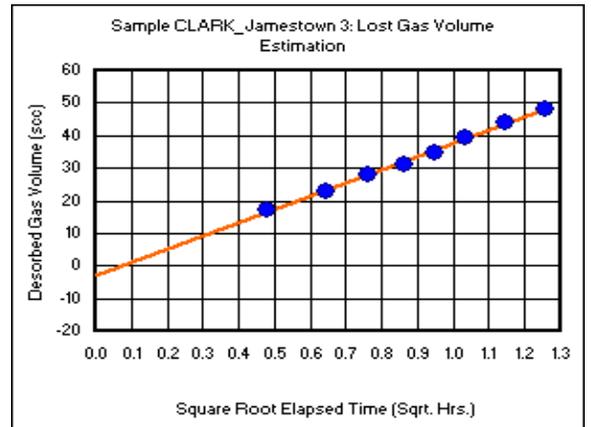
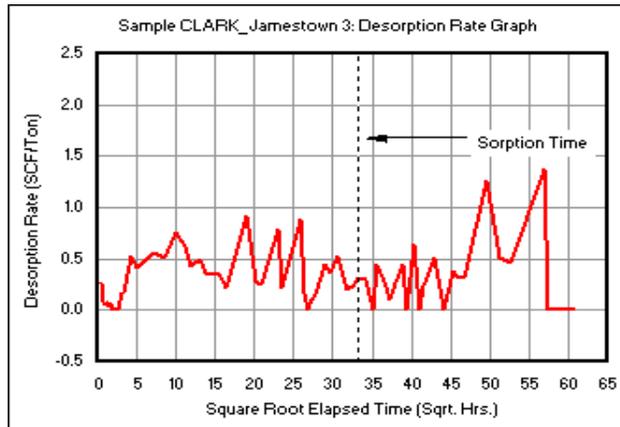
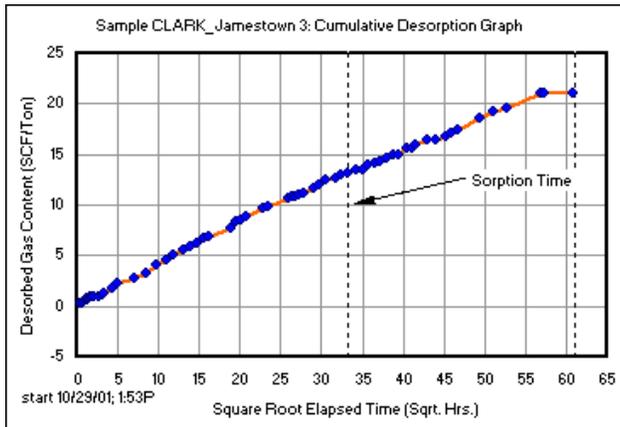
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
CLARK_Jamestown 3	F1	584.7	2,083	1,806	1,756	1,365.4	1,101.7
							Sorption time (hr) for 63.2% of total gas
							>3,691

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
0.2	0.0	0.1	0.3	0.1

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
50.1	57.8	59.4	50.1	57.8	59.4

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.50	7.22	6.07	13.29	15.70	29.05	33.50	34.46



Well:	Clark #1
Operator:	CNX Land Resources
Location:	Clark Co., IL. Sec. 8, T9N, R12W
Field:	CNX Land Resources
Formation:	Pennsylvanian, Herrin Coal
Comments:	Coal seam is 603 feet deep and 26 inches thick

Basic information

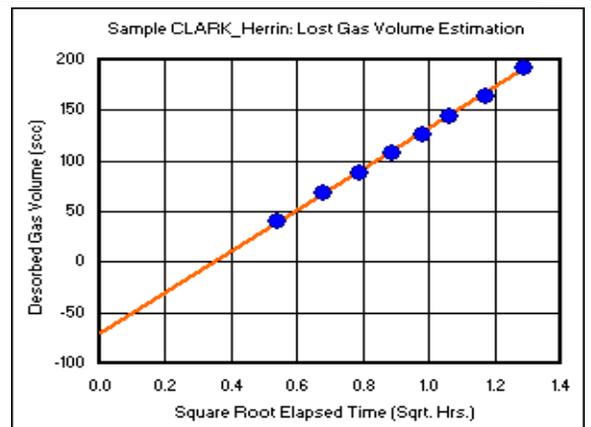
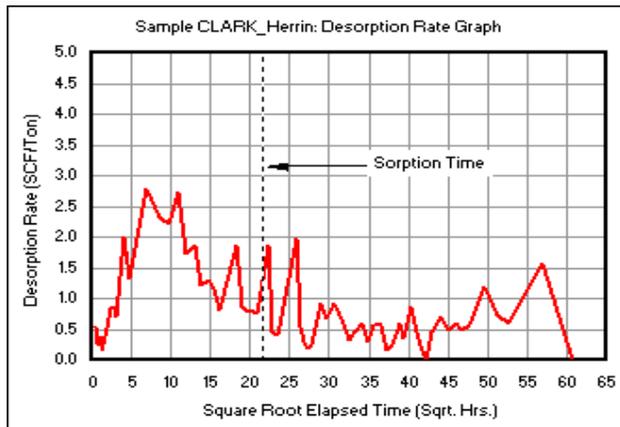
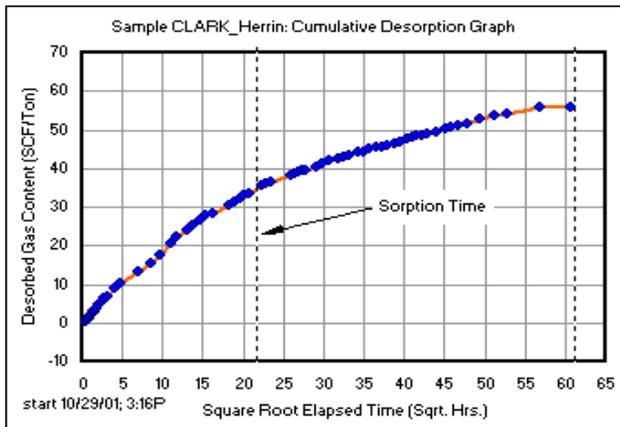
Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
CLARK_Herrin	A5	603.8	2,369	1,791	1758	4,124.0	468.5

Lost gas volume					Sorption time (hr) for 63.2% of total gas
USBM			Smith and Williams		1,341.0
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
1.7	1.0	1.3	0.7	0.4	

Total gas volume

USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
71.9	95.1	96.9	71.4	94.4	96.2

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
0.89	13.22	11.19	24.41	25.79	15.20	20.11	20.48



Well:	Clark #1
Operator:	CNX Land Resources
Location:	Clark Co., IL. Sec. 8, T9N, R12W
Field:	CNX Land Resources
Formation:	Pennsylvanian, Briar Hill Coal
Comments:	Coal seam is 631 feet deep and 34 inches thick

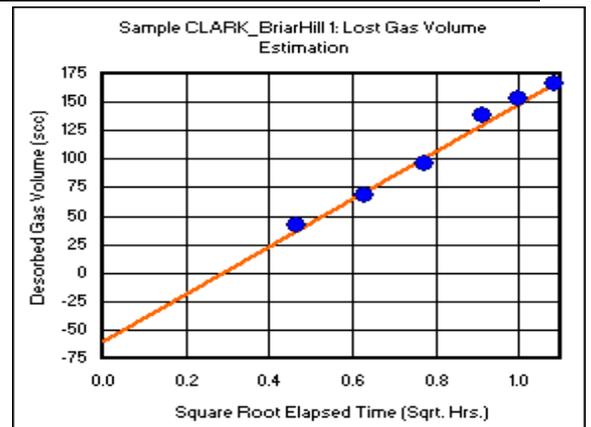
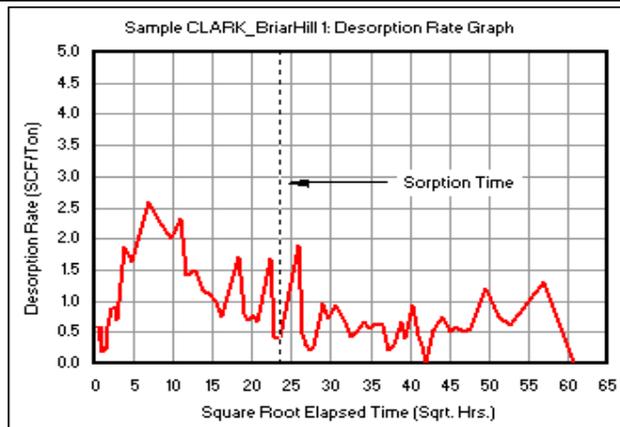
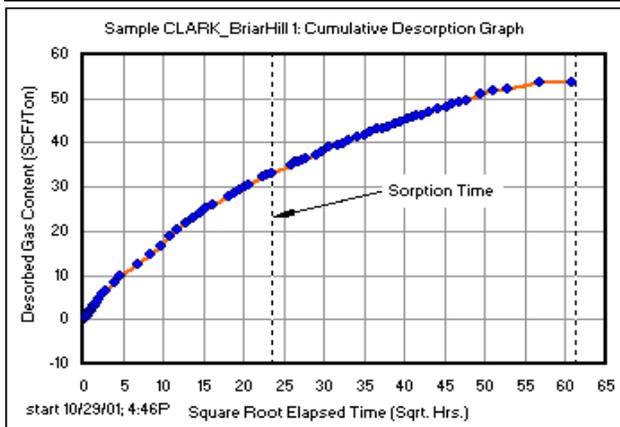
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
CLARK_BriarHill 1	B1	631.4	2,277	1,838	1,771	3,804.6	556.6

Lost gas volume					Sorption time (hr) for 63.2% of total gas
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
1.6	0.8	1.1	0.6	0.3	1,495.0

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
69.6	86.3	89.6	69.1	85.7	88.9

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.69	8.06	11.24	19.30	22.23	15.27	18.92	19.63



Well:	Clark #1
Operator:	CNX Land Resources
Location:	Clark Co., IL. Sec. 8, T9N, R12W
Field:	CNX Land Resources
Formation:	Pennsylvanian, Briar Hill Coal
Comments:	Coal seam is 631 feet deep and 34 inches thick

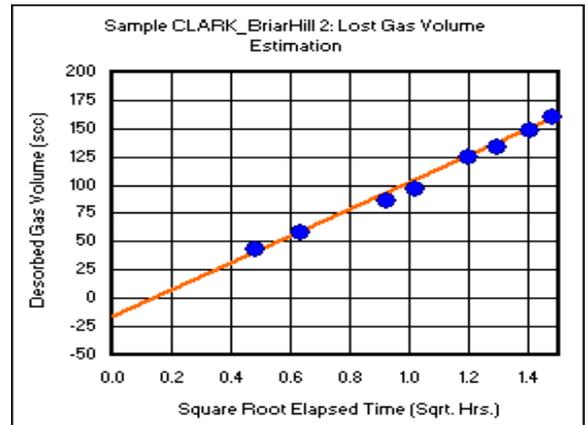
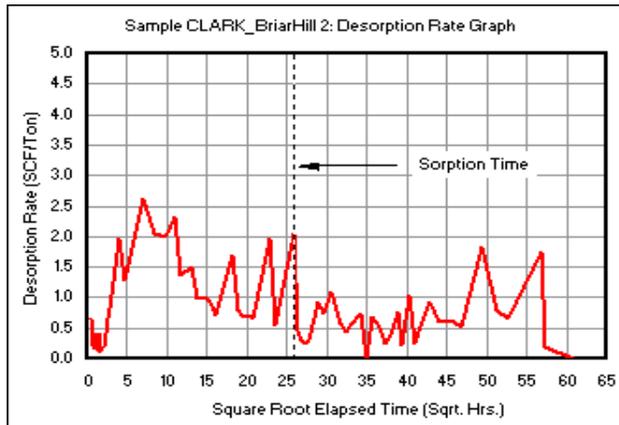
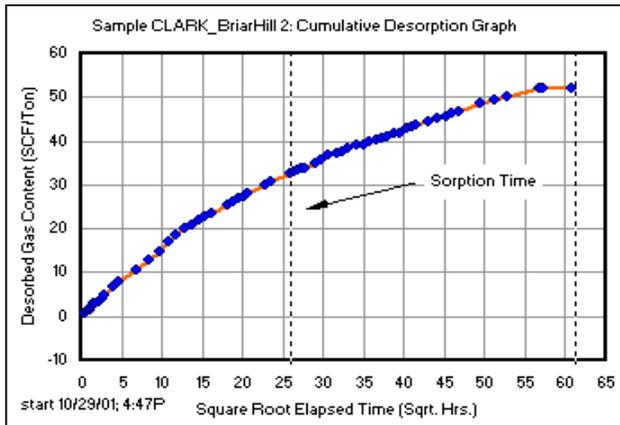
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
CLARK_BriarHill 2	F2	632.4	2,145	1,631	1,548	3,485.7	670.6

Lost gas volume					Sorption time (hr) for 63.2% of total gas
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
0.5	0.2	0.3	0.5	0.3	1,910.0

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
71.0	93.4	98.4	71.1	93.4	98.5

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
4.90	9.30	14.66	23.96	27.83	18.73	24.63	25.95



Well:	Clark #1
Operator:	CNX Land Resources
Location:	Clark Co., IL. Sec. 8, T9N, R12W
Field:	CNX Land Resources
Formation:	Pennsylvanian, Springfield Coal
Comments:	Coal seam is 646 feet deep and 44 inches thick

Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
CLARK_Springfield 1	B2	646.6	2,117	1,735	1,697	3,793.6	548.5
							Sorption time (hr) for 63.2% of total gas
							1,783.0

Lost gas volume

USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
2.1	1.2	1.5	0.7	0.4

Total gas volume

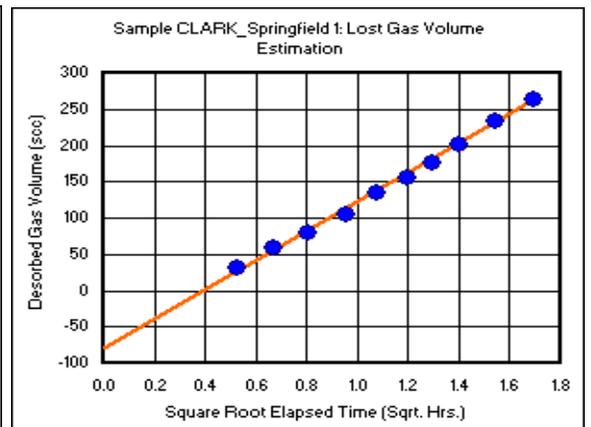
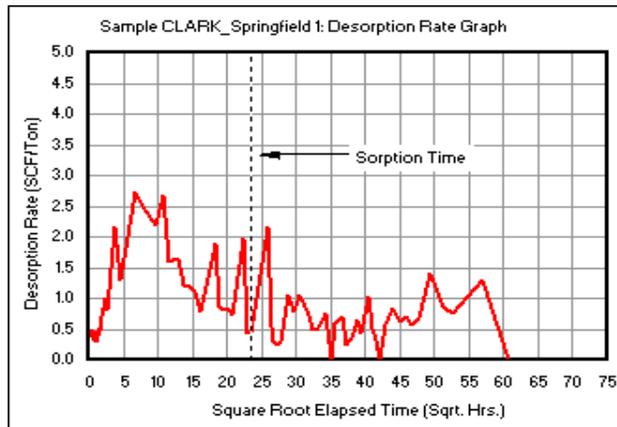
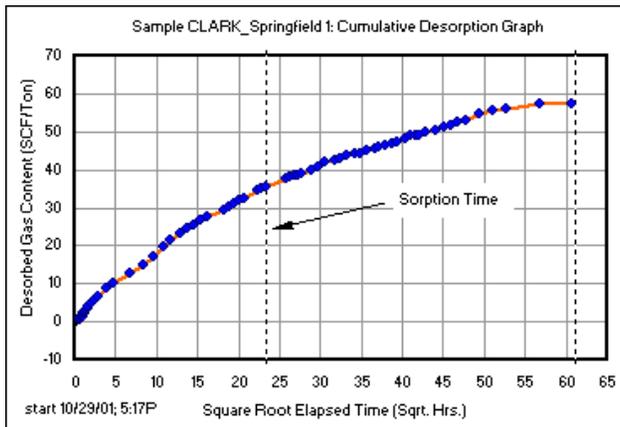
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
77.9	87.4	92.9	73.6	89.8	91.8

Other components

Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)
2.10	10.15	7.89	18.04	19.83

Residual gas volume

As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
15.83	19.31	19.74



Well:	Clark #1
Operator:	CNX Land Resources
Location:	Clark Co., IL. Sec. 8, T9N, R12W
Field:	CNX Land Resources
Formation:	Pennsylvanian, Springfield Coal
Comments:	Coal seam is 646 feet deep and 44 inches thick

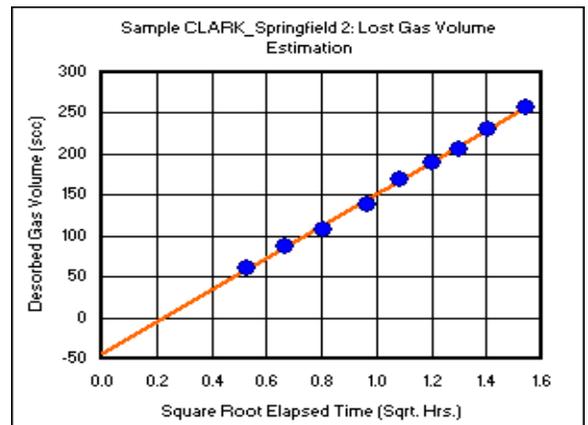
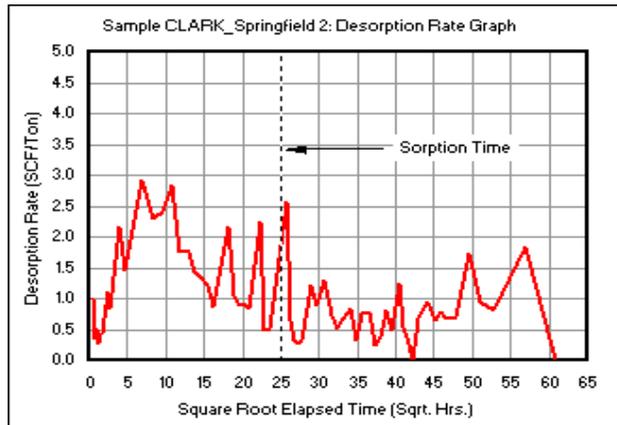
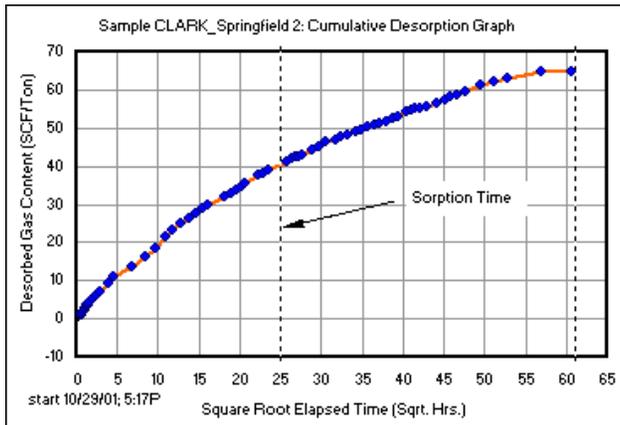
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
CLARK_Springfield 2	B3	647.6	1,959	1,694	1,663	3,963.3	624.4

Lost gas volume					Sorption time (hr) for 63.2% of total gas 1,647.0
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
1.1	0.7	0.9	0.6	0.4	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
85.9	99.3	101.2	85.5	98.9	100.8

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
2.09	8.44	5.11	13.55	15.11	20.33	23.52	23.95



Well:	Clark #1
Operator:	CNX Land Resources
Location:	Clark Co., IL. Sec. 8, T9N, R12W
Field:	CNX Land Resources
Formation:	Pennsylvanian, Excello Shale
Comments:	Shale is 698 feet deep and 36 inches thick

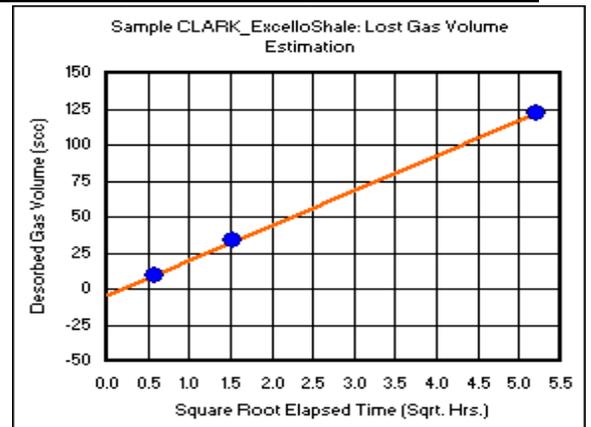
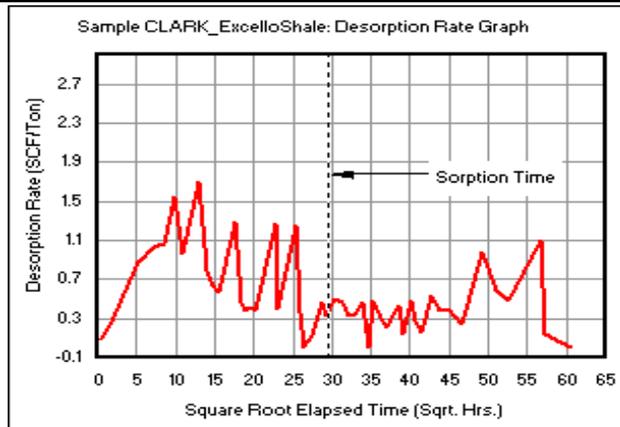
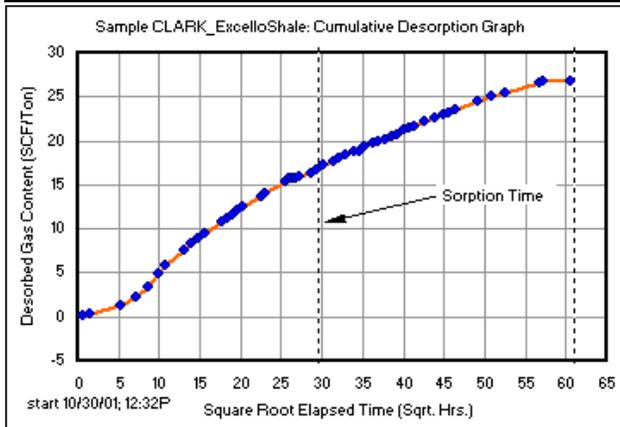
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
CLARK_ExcelloShale	F12	699.7	3,268	1,121	916	2,730.2	875.7
							Sorption time (hr) for 63.2% of total gas
							2,844.0

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	() (scf/t)
0.2	0.0	0.2	0.4	0.1

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
40.7	118.8	145.3	40.8	119.0	145.5

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
2.34	3.53	62.18	65.71	71.97	13.92	40.59	49.66



Well:	Clark #1
Operator:	CNX Land Resources
Location:	Clark Co., IL. Sec. 8, T9N, R12W
Field:	CNX Land Resources
Formation:	Pennsylvanian, Houchin Creek Coal
Comments:	Coal seam is 701 feet deep and 18 inches thick

Basic information

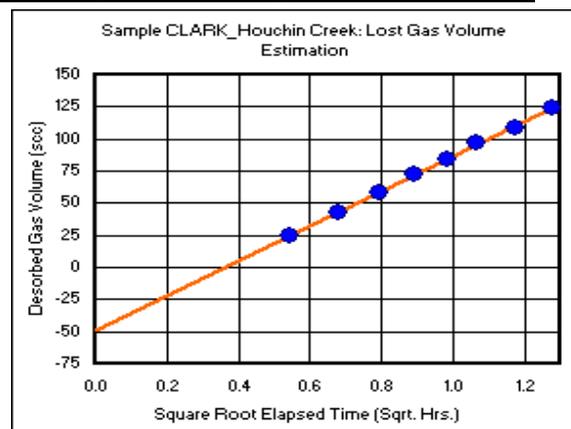
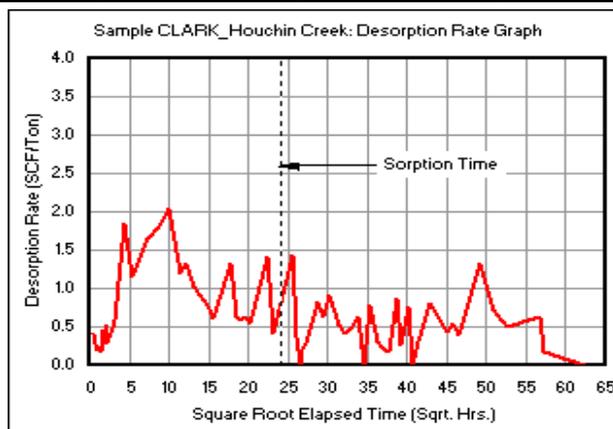
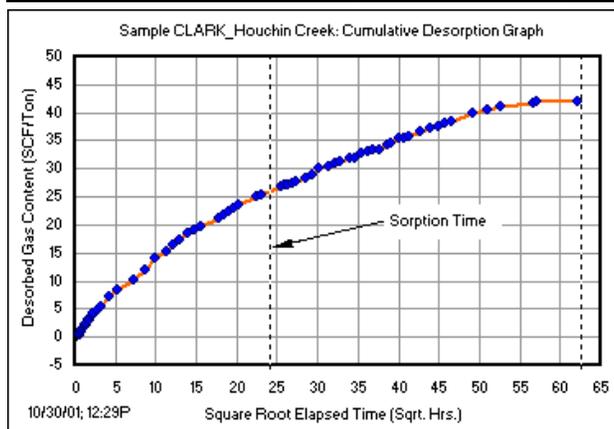
Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
CLARK_Houchin Creek	F5	701.7	1,919	1,676	1,629	2,508.3	578.3

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
1.9	0.8	1.0	0.8	0.4

Sorption time (hr) for 63.2% of total gas	2,159.0
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Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
60.9	69.7	71.8	60.4	69.2	71.2

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.51	6.09	6.55	12.64	15.09	18.22	20.86	21.46



Well:	Clark #1
Operator:	CNX Land Resources
Location:	Clark Co., IL. Sec. 8, T9N, R12W
Field:	CNX Land Resources
Formation:	Pennsylvanian, Survant Coal
Comments:	Coal seam is 740 feet deep and 40 inches thick

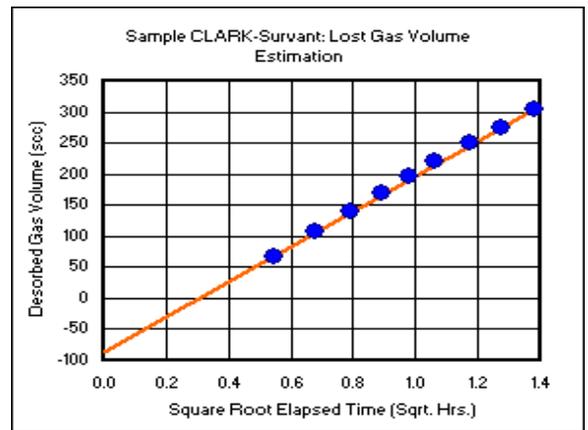
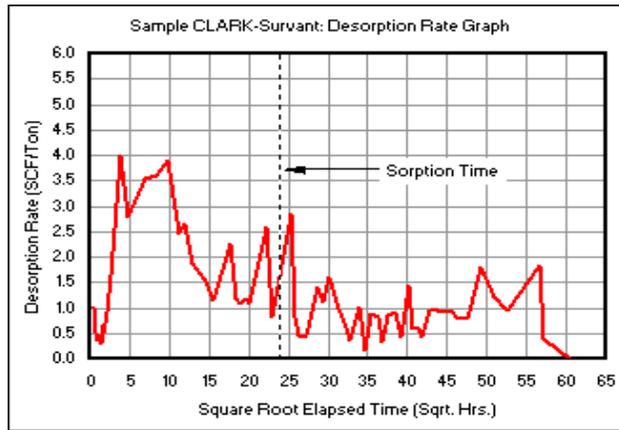
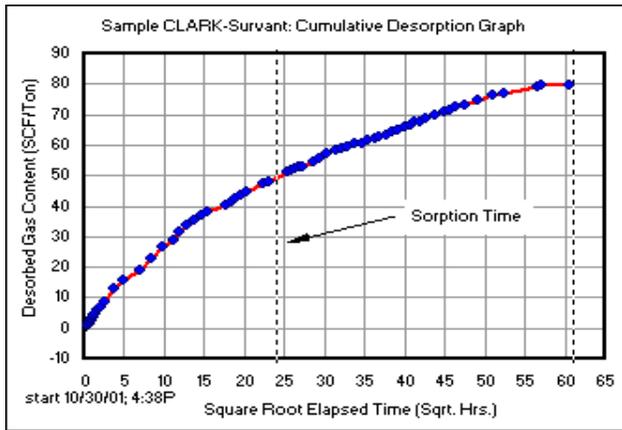
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
CLARK-Survant	F10	741	2,066	1,689	1,669	5,118.7	572.2

Lost gas volume					Sorption time (hr) for 63.2% of total gas 1,530.0
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
1.6	1.3	1.6	0.9	0.7	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
102.4	125.2	126.7	101.7	124.5	126.0

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
0.81	11.64	6.62	18.26	19.24	21.66	26.50	26.82



Well:	Clark #1
Operator:	CNX Land Resources
Location:	Clark Co., IL. Sec. 8, T9N, R12W
Field:	CNX Land Resources
Formation:	Pennsylvanian, Upper Seelyville Coal
Comments:	Coal seam is 817 feet deep and 24 inches thick

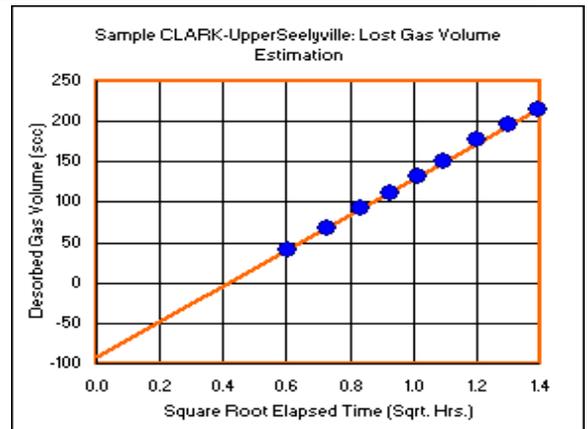
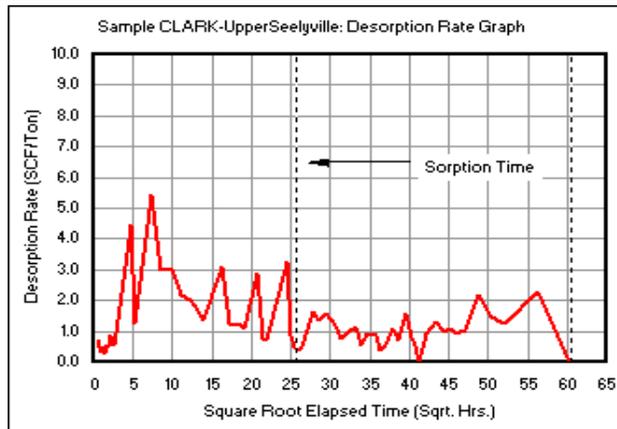
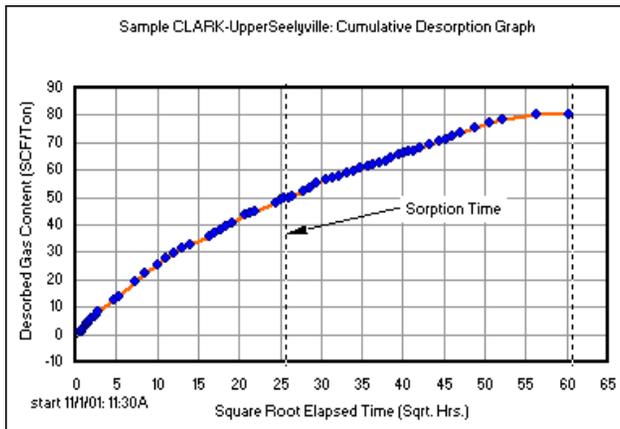
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
CLARK-UpperSeelyville	B4	817.8	1,824	1,520	1,485	4,581.4	656.5

Lost gas volume					Sorption time (hr) for 63.2% of total gas 1,885.0
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
2.0	1.6	2.0	1.0	0.8	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
109.8	131.8	134.8	109.0	130.8	133.9

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
2.48	9.99	6.70	16.69	18.59	27.69	33.24	34.01



Well:	Clark #1
Operator:	CNX Land Resources
Location:	Clark Co., IL. Sec. 8, T9N, R12W
Field:	CNX Land Resources
Formation:	Pennsylvanian, Lower Seelyville Coal
Comments:	Coal seam is 820 feet deep and 57 inches thick

Basic information

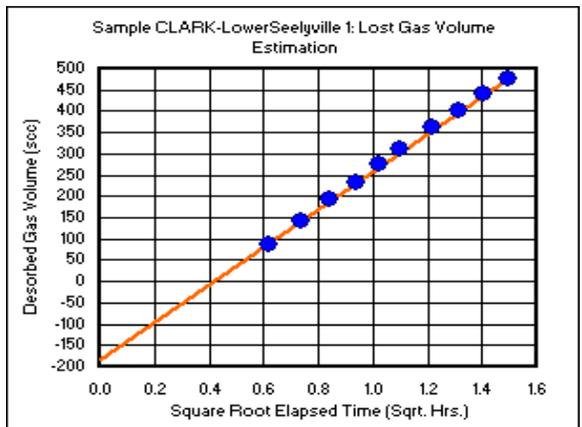
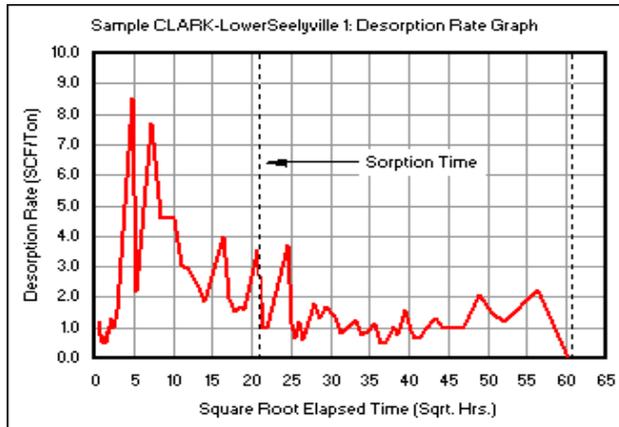
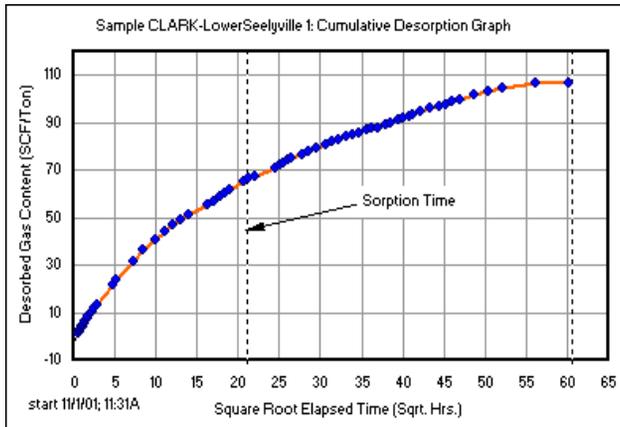
Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
CLARK-LowerSeelyville 1	B5	821.5	2,324	1,851	1,748	7,752.6	441.2

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
2.3	2.5	3.4	1.7	1.8

Sorption time (hr) for 63.2% of total gas
1,011.0

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
130.3	163.6	173.2	129.6	162.7	172.2

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
6.50	9.90	10.47	20.37	24.78	20.88	26.22	27.76



Well:	Clark #1
Operator:	CNX Land Resources
Location:	Clark Co., IL. Sec. 8, T9N, R12W
Field:	CNX Land Resources
Formation:	Pennsylvanian, Lower Seelyville Coal
Comments:	Coal seam is 820 feet deep and 57 inches thick

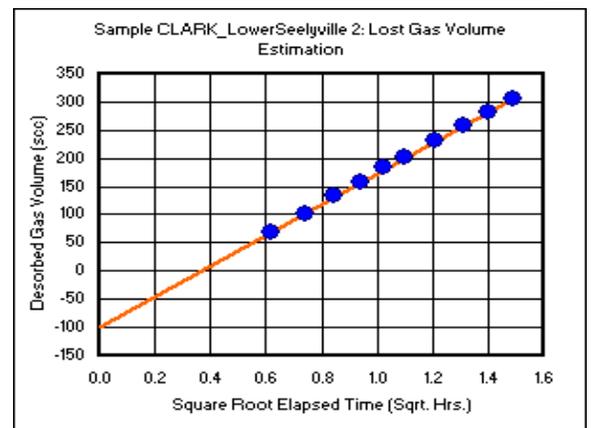
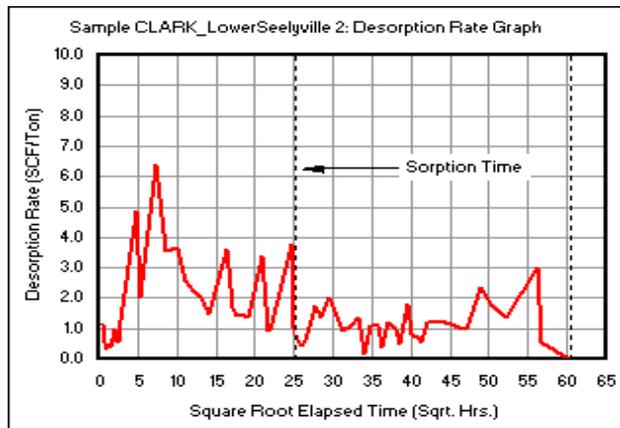
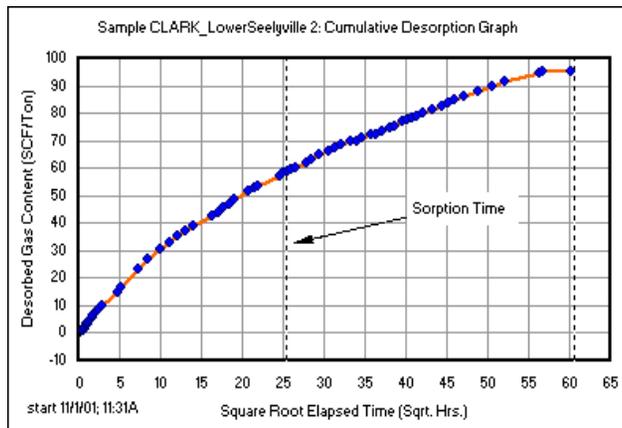
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
CLARK_LowerSeelyville 2	F11	822.5	1,917	1,693	1,647	5,678.5	640.9

Lost gas volume					Sorption time (hr) for 63.2% of total gas
USBM			Smith and Williams		1,497.0
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
1.7	1.7	1.9	1.1	1.1	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
119.2	135.0	138.8	118.7	134.4	138.1

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.45	5.93	5.78	11.71	14.07	22.68	25.69	26.39



Well:	MAC #1
Operator:	EXXON/Monterey Coal Co
Location:	Macoupin Co., IL. NW NE NE, Sec. 7, T9N, R6W
Field:	EXXON/Monterey Coal Co
Formation:	Pennsylvanian, Herrin Coal
Comments:	Coal seam is 357 feet deep and 92 inches thick

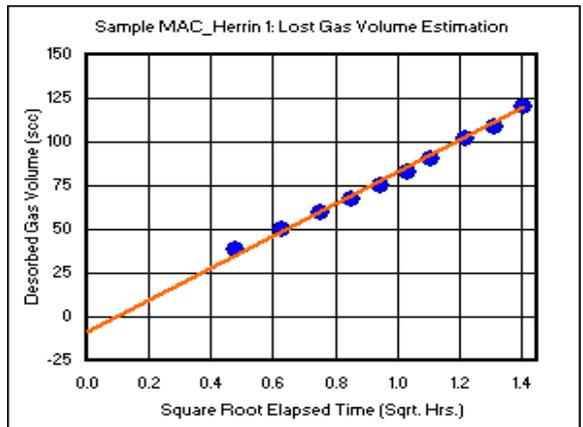
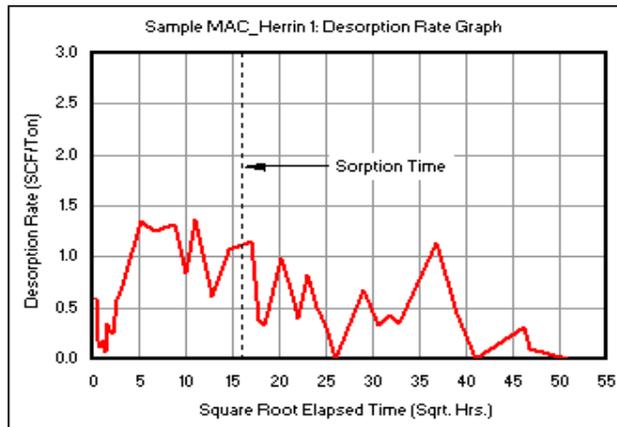
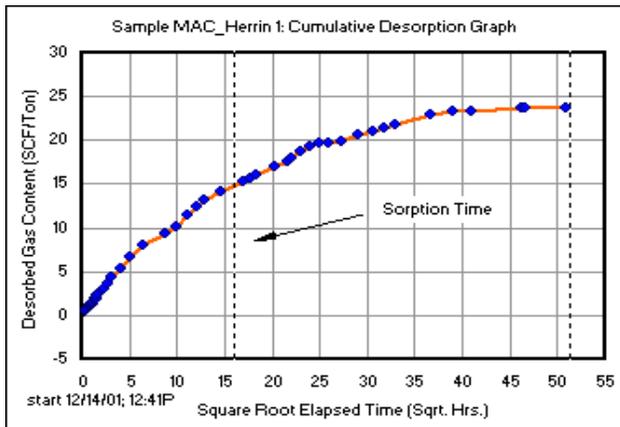
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
MAC_Herrin 1	C1	359.5	2,075	1,519	1,492	1,535.8	256.9
							Sorption time (hr) for 63.2% of total gas
							441.0

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
0.6	0.1	0.2	1.8	0.4

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
27.4	37.4	38.1	27.7	37.8	38.5

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
0.86	16.78	10.02	26.80	28.07	3.54	4.84	4.92



Well:	MAC #1
Operator:	EXXON/Monterey Coal Co
Location:	Macoupin Co., IL. NW NE NE, Sec. 7, T9N, R6W
Field:	EXXON/Monterey Coal Co
Formation:	Pennsylvanian, Herrin Coal
Comments:	Coal seam is 357 feet deep and 92 inches thick

Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
MAC_Herrin 2	C2	361.3	2,241	1,566	1,538	1,779.6	415.1
							Sorption time (hr) for 63.2% of total gas
							776.0

Lost gas volume

USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
0.3	0.1	0.1	1.1	0.3

Total gas volume

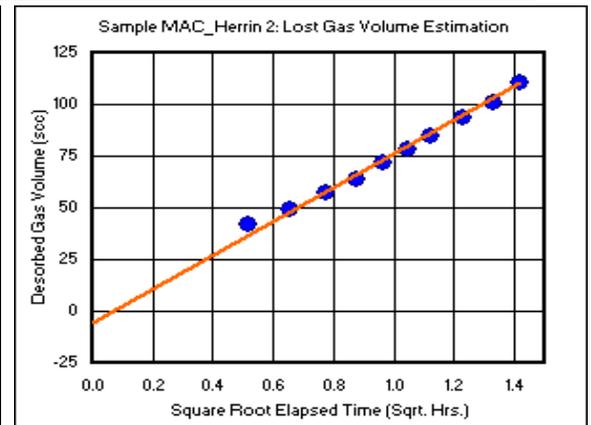
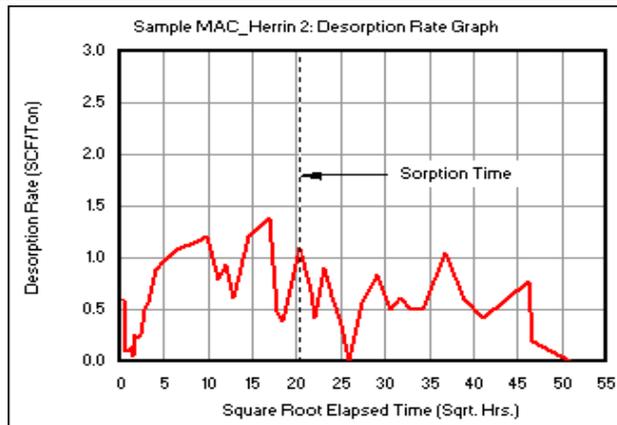
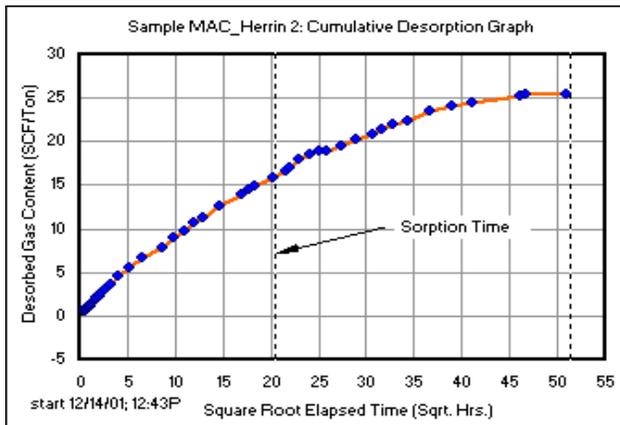
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
31.2	44.7	45.5	31.5	45.0	45.8

Other components

Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)
0.77	19.98	10.15	30.13	31.37

Residual gas volume

As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
5.73	8.20	8.35



Well:	MAC #1
Operator:	EXXON/Monterey Coal Co
Location:	Macoupin Co., IL. NW NE NE, Sec. 7, T9N, R6W
Field:	EXXON/Monterey Coal Co.
Formation:	Pennsylvanian, Herrin Coal
Comments:	Coal seam is 357 feet deep and 92 inches thick

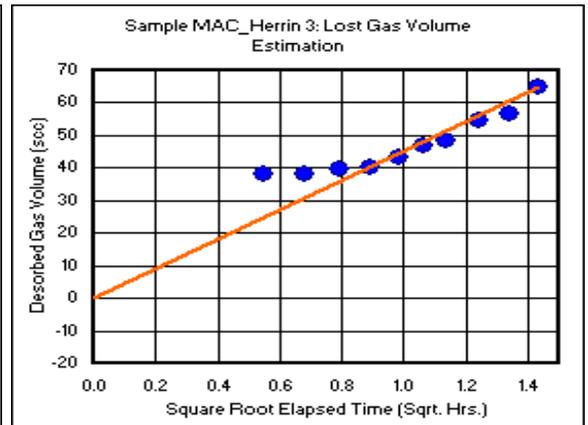
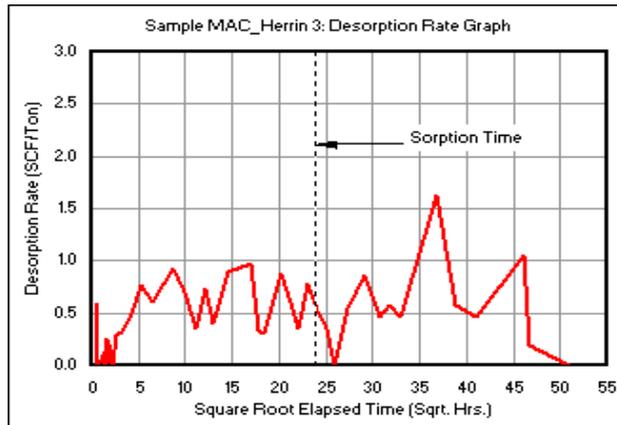
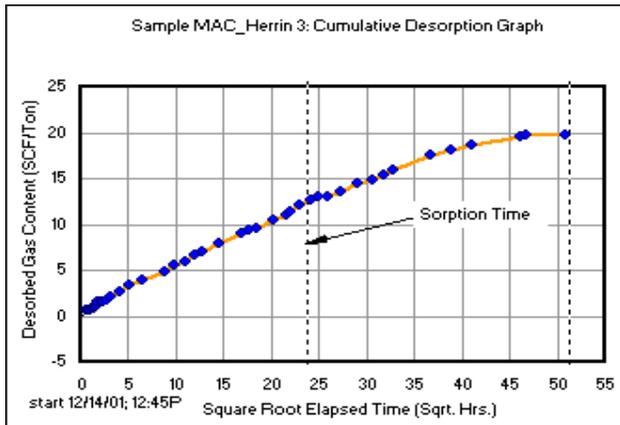
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
MAC_Herrin 3	C3	362.5	2,063	1,606	1,580	1,273.8	565.6

Lost gas volume					Sorption time (hr) for 63.2% of total gas 1,382.0
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
0.0	0.0	0.0	0.6	0.1	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
27.9	35.9	36.5	28.1	36.1	36.7

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
1.40	15.99	6.17	22.16	23.42	8.16	10.48	10.66



Well:	MAC #1
Operator:	EXXON/Monterey Coal Co
Location:	Macoupin Co., IL. NW NE NE, Sec. 7, T9N, R6W
Field:	EXXON/Monterey Coal Co
Formation:	Pennsylvanian, Springfield Coal
Comments:	Coal seam is 401 feet deep and 37 inches thick

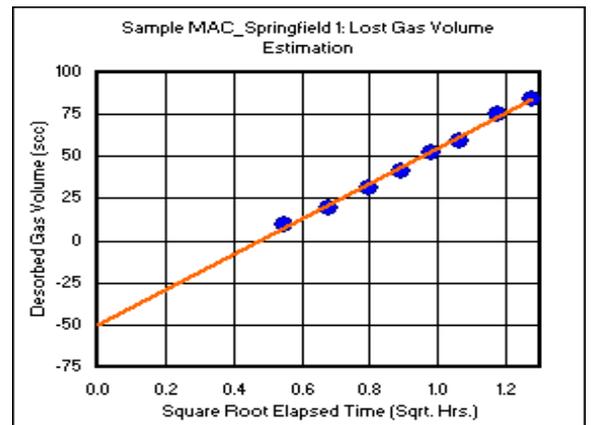
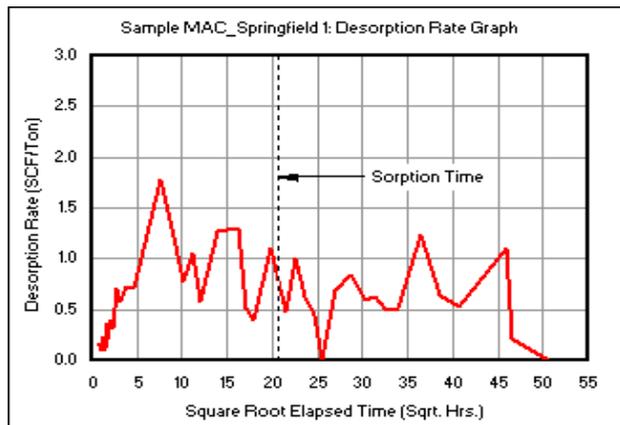
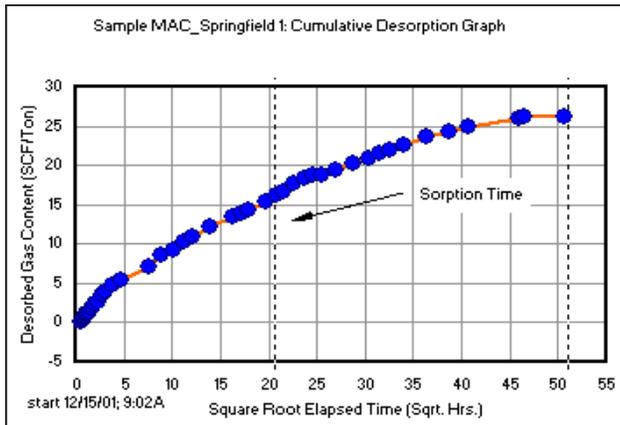
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
MAC_Springfield 1	C4	401.6	2,225	1,649	1,558	1,819.8	427.7

Lost gas volume					Sorption time (hr) for 63.2% of total gas 1,179.0
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
2.7	0.7	1.0	1.1	0.3	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
35.8	48.3	51.2	35.4	47.8	50.6

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
5.61	13.30	12.58	25.88	29.97	8.90	12.01	12.71



Well:	MAC #1
Operator:	EXXON/Monterey Coal Co
Location:	Macoupin Co., IL. NW NE NE, Sec. 7, T9N, R6W
Field:	EXXON/Monterey Coal Co
Formation:	Pennsylvanian, Springfield Coal
Comments:	Coal seam is 401 feet deep and 37 inches thick

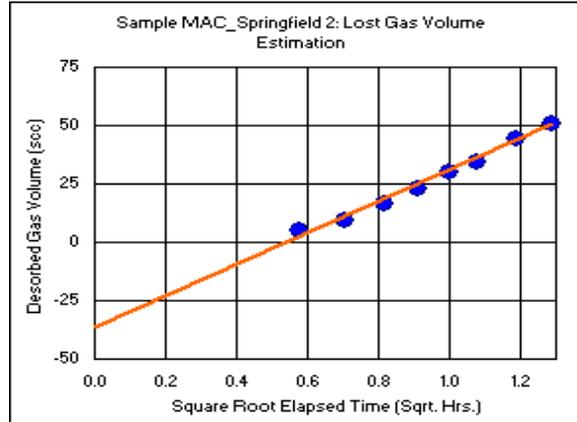
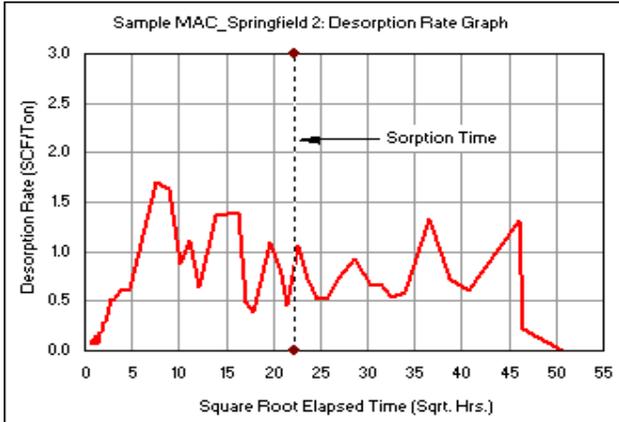
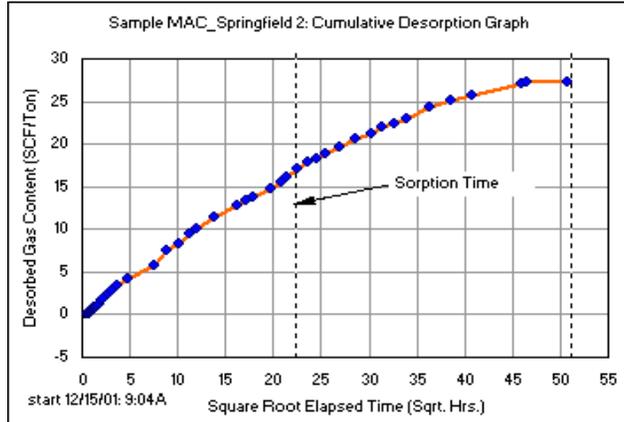
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
MAC_Springfield 2	C5	402.9	2,112	1,652	1,592	1,795.9	496.7

Lost gas volume					Sorption time (hr) for 63.2% of total gas 1,226.0
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
2.0	0.6	0.7	0.8	0.2	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
37.3	47.6	49.4	36.9	47.2	49.0

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.81	12.18	9.60	21.78	24.64	9.47	12.11	12.57



Well:	MAC #1
Operator:	EXXON/Monterey Coal Co
Location:	Macoupin Co., IL. NW NE NE, Sec. 7, T9N, R6W
Field:	EXXON/Monterey Coal Co
Formation:	Pennsylvanian, Houchin Creek Coal
Comments:	Coal is 406 feet deep and 25 inches thick

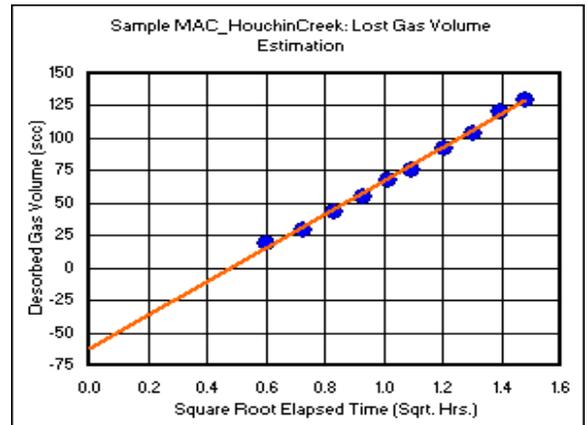
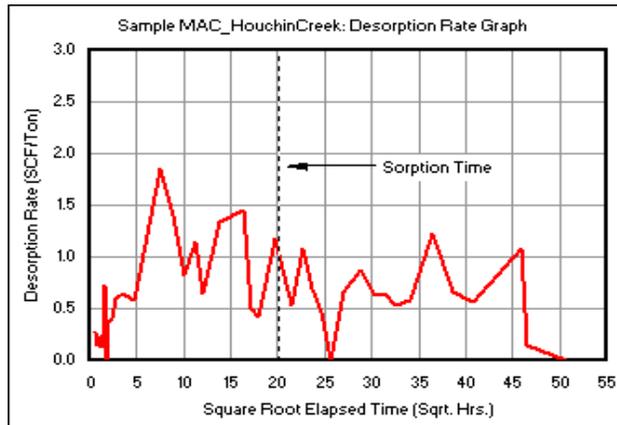
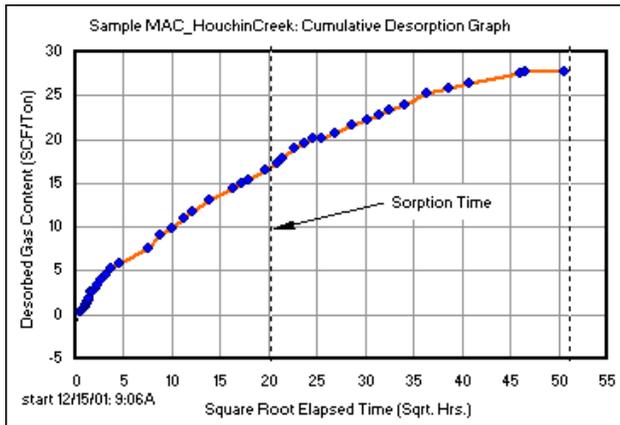
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
MAC_HouchinCreek	D1	406.2	2,221	1,741	1,643	1,916.8	407.4

Lost gas volume					Sorption time (hr) for 63.2% of total gas 1,250.0
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
3.2	0.9	1.2	1.4	0.4	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
39.0	49.8	52.8	38.5	49.1	52.1

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
6.42	10.16	11.44	21.60	26.05	10.48	13.37	14.17



Well:	MAC #1
Operator:	EXXON/Monterey Coal Co
Location:	Macoupin Co., IL. NW NE NE, Sec. 7, T9N, R6W
Field:	EXXON/Monterey Coal Co
Formation:	Pennsylvanian, Colchester Coal
Comments:	Coal seam is 456 feet deep and 25 inches thick

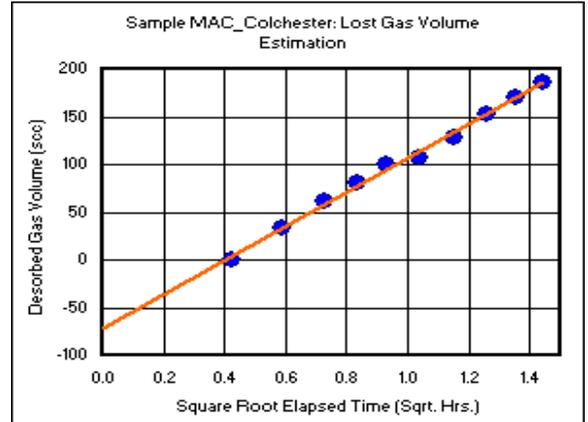
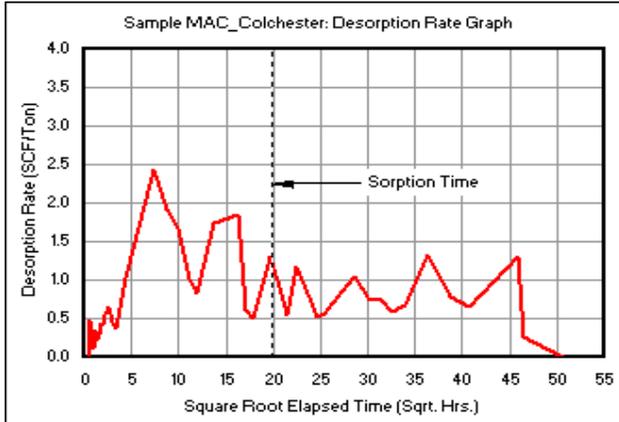
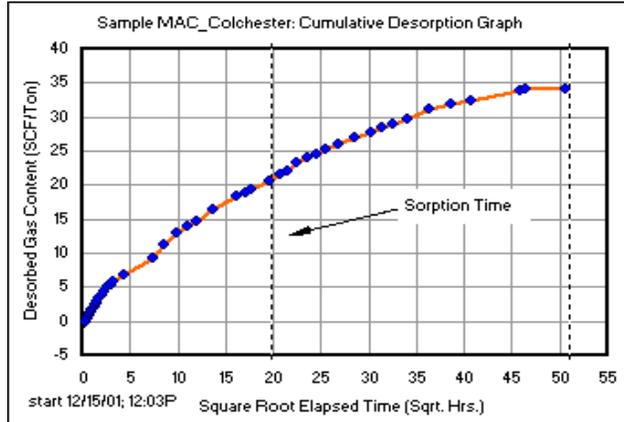
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
MAC_Colchester	D2	457	2,238	1,667	1,609	2,380.0	393.7

Lost gas volume					Sorption time (hr) for 63.2% of total gas 835.0
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
2.9	1.0	1.4	0.7	0.2	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
42.9	57.6	59.7	42.1	56.5	58.6

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.07	14.21	11.31	25.52	28.11	7.80	10.47	10.85



Well:	MAC #1
Operator:	EXXON/Monterey Coal Co
Location:	Macoupin Co., IL. NW NE NE, Sec. 7, T9N, R6W
Field:	EXXON/Monterey Coal Co
Formation:	Pennsylvanian, Davis Coal
Comments:	Coal is 465 feet deep and 24 inches thick

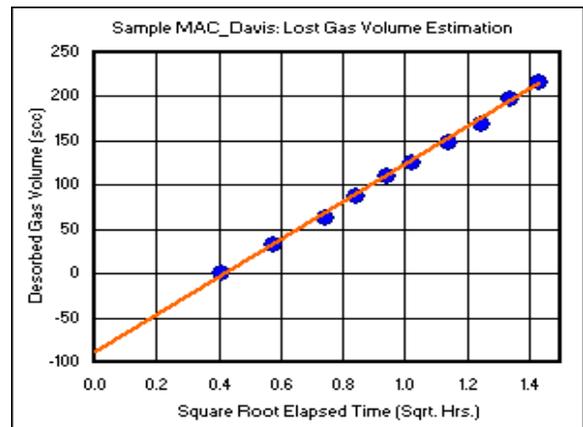
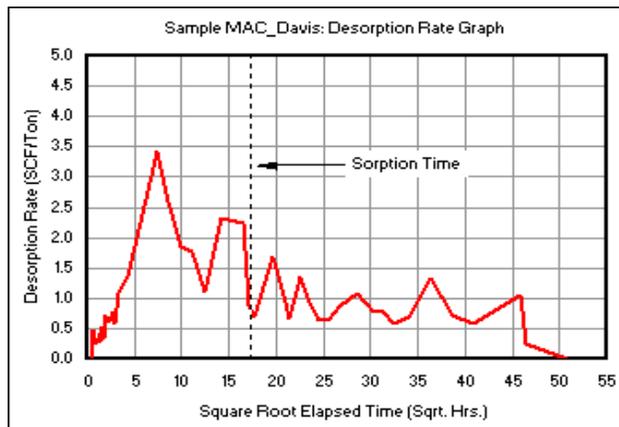
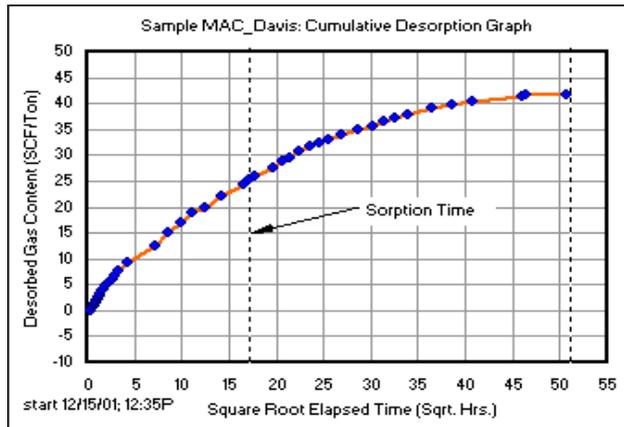
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
MAC_Davis	D3	465.6	2,202	1,710	1,614	2,863.7	296.8

Lost gas volume					Sorption time (hr) for 63.2% of total gas
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
3.0	1.3	1.8	0.9	0.4	564.0

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
50.3	64.8	68.6	49.4	63.6	67.3

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
6.32	11.73	10.63	22.36	26.69	7.34	9.45	10.01



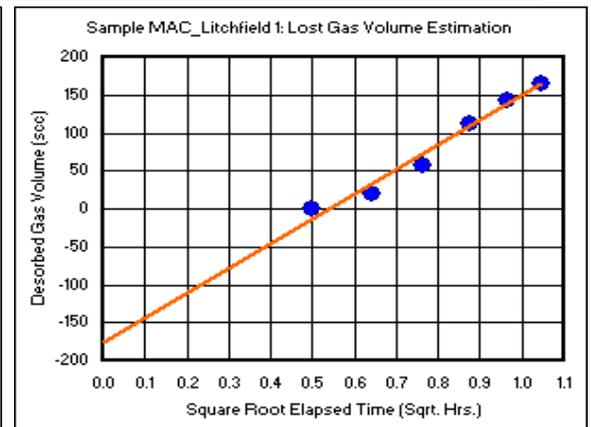
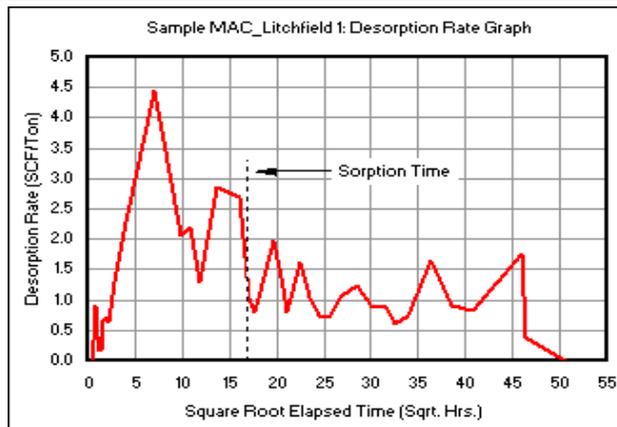
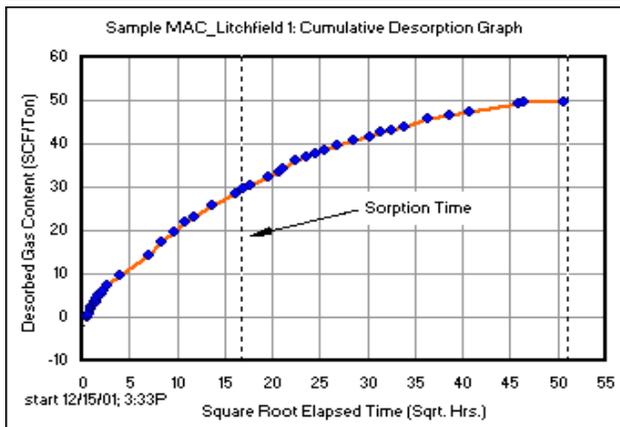
Well:	MAC #1
Operator:	EXXON/Monterey Coal Co
Location:	Macoupin Co., IL. NW NE NE, Sec. 7, T9N, R6W
Field:	EXXON/Monterey Coal Co
Formation:	Pennsylvanian, Litchfield Coal
Comments:	Coal seam is 505 feet deep and 46 inches thick

Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
MAC_Litchfield 1	D4	505.8	2,018	1,561	1,507	3,116.4	282.1
Lost gas volume							Sorption time (hr) for 63.2% of total gas 597.0
USBM			Smith and Williams				
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)			
5.3	2.8	3.7	1.1	0.6			

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
59.8	77.3	80.1	57.6	74.5	77.1

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.19	11.43	11.22	22.65	25.30	7.58	9.80	10.15



Well:	MAC #1
Operator:	EXXON/Monterey Coal Co
Location:	Macoupin Co., IL. NW NE NE, Sec. 7, T9N, R6W
Field:	EXXON/Monterey Coal Co
Formation:	Pennsylvanian, Litchfield Coal
Comments:	Coal seam is 505 feet deep and 46 inches thick

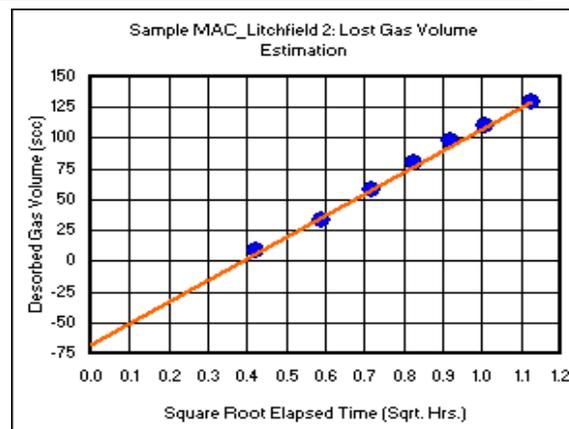
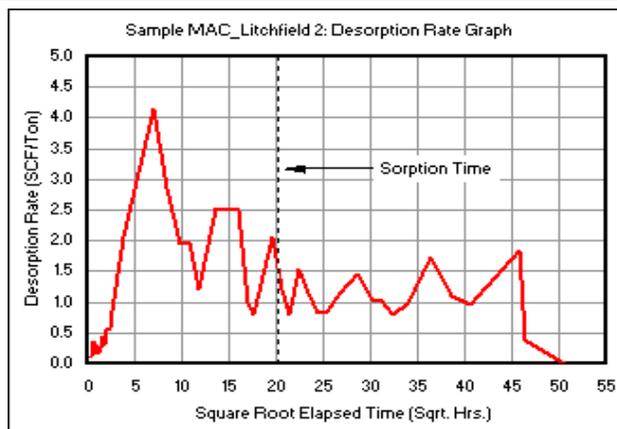
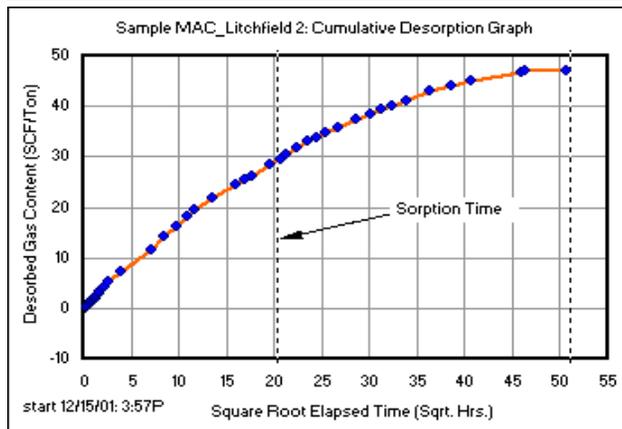
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmme sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
MAC_Litchfield 2	D5	508.1	2,259	1,663	1,581	3,325.8	412.1

Lost gas volume					Sorption time (hr) for 63.2% of total gas
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
2.0	1.0	1.4	0.5	0.3	798.0

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
58.6	79.6	83.7	57.9	78.6	82.7

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
4.69	13.35	13.03	26.38	30.00	10.48	14.24	14.97



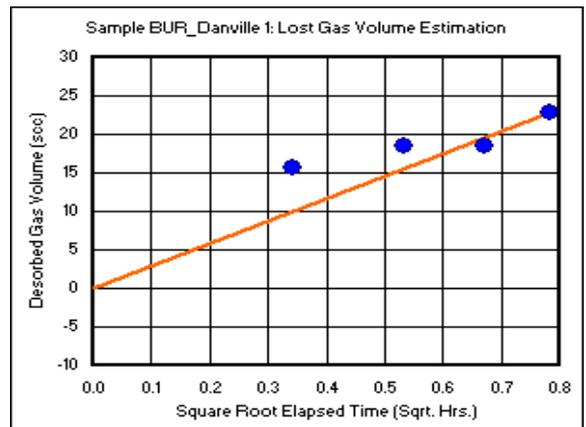
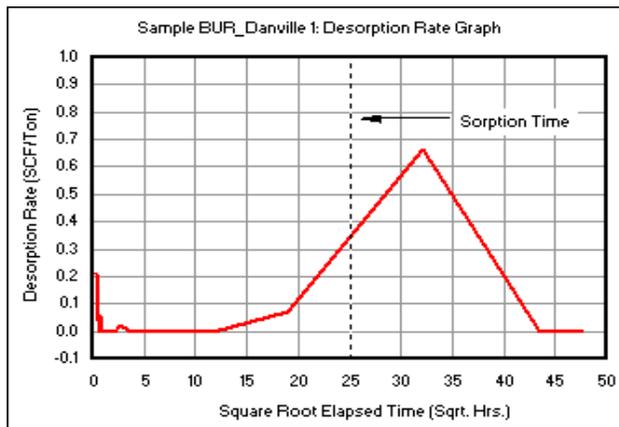
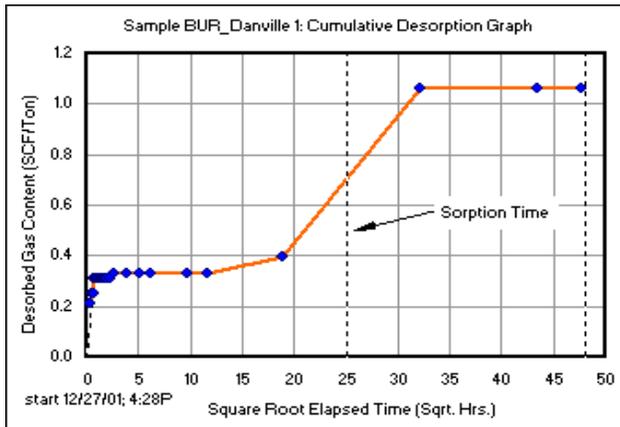
Well:	ISGS-BUR #1
Operator:	American Coal Company
Location:	Bureau County, Sec. 33, T17N, R11E
Field:	American Coal Co.
Formation:	Pennsylvanian, Danville Coal
Comments:	Coal is 275 feet deep and 49 inches thick

Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
BUR_Danville 1	E1	275.8	2,365	1,662	1,600	78.3	631.7
Lost gas volume							Sorption time (hr) for 63.2% of total gas >2,272
USBM			Smith and Williams				
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)			
0.0	0.0	0.0	14.7	0.2			

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.7	5.3	5.5	3.9	5.6	5.8

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
2.86	16.58	13.16	29.74	32.37	2.67	3.80	3.95



Well:	ISGS-BUR #1
Operator:	American Coal Company
Location:	Bureau County, Sec. 33, T17N, R11E
Field:	American Coal Co.
Formation:	Pennsylvanian, Danville Coal
Comments:	Coal is 275 feet deep and 49 inches thick

Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
BUR_Danville 2	E2	276.8	2,210	1,551	1,493	84.7	504.8

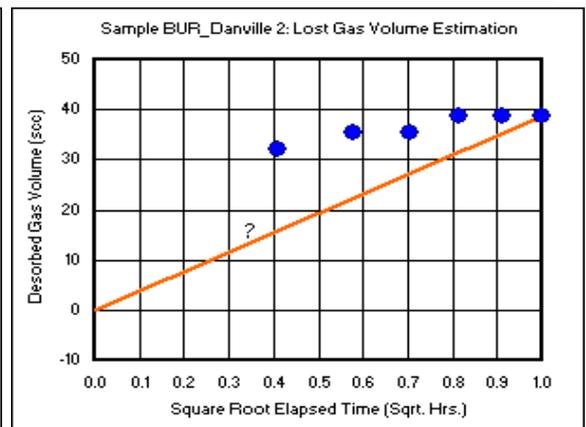
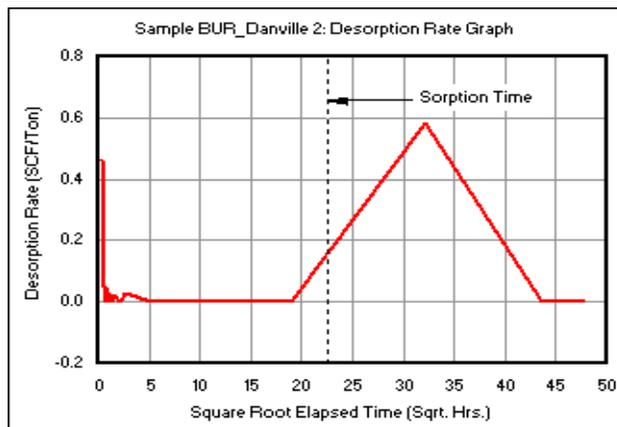
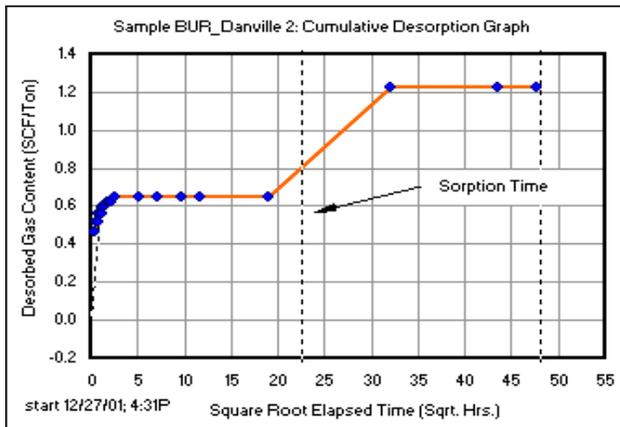
Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
0.0	0.0	0.0	nd	nd

Sorption time (hr) for 63.2% of total gas
>2,272

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.9	5.6	5.8	nd	nd	nd

* Not actual measurements; they were estimated based on the values measured for the other Danville (Danville 1) sample.

Other components*				Residual gas volume*			
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
2.90	16.60	13.20	29.80	32.45	2.67	3.80	3.95



Well:	ISGS-BUR #1
Operator:	American Coal Company
Location:	Bureau County, Sec. 33, T17N, R11E
Field:	American Coal Co.
Formation:	Pennsylvanian, Herrin Coal
Comments:	Coal is 315 feet deep and 59 inches thick

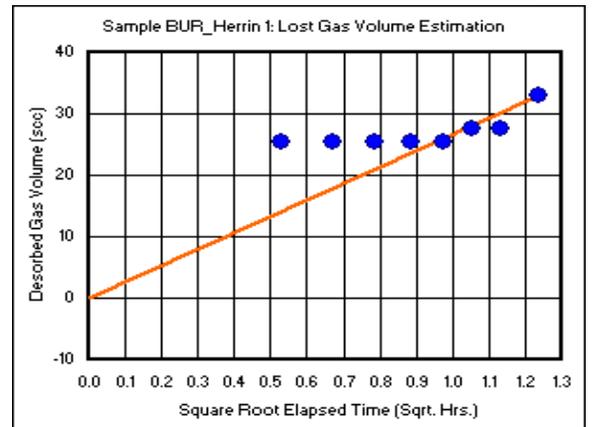
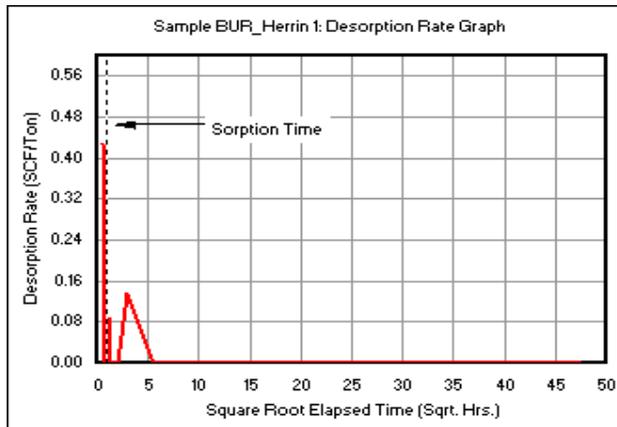
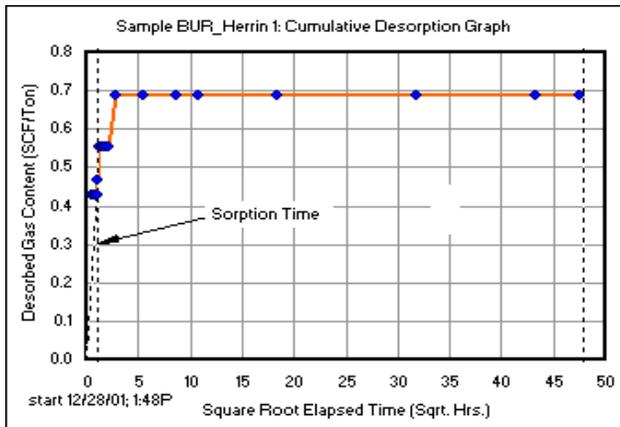
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
BUR_Herrin 1	E3	315.3	1,900	1,291	1,291	40.9	1.0

Lost gas volume					Sorption time (hr) for 63.2% of total gas >2,251
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
0.0	0.0	0.0	nd	nd	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.1	4.6	4.6	nd	nd	nd

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
2.50	15.00	14.50	29.50	32.04	2.42	3.56	3.56



Well:	ISGS-BUR #1
Operator:	American Coal Company
Location:	Bureau County, Sec. 33, T17N, R11E
Field:	American Coal Co.
Formation:	Pennsylvanian, Herrin Coal
Comments:	Coal is 315 feet deep and 59 inches thick

Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
BUR_Herrin 2	E4 & F3	315.9	1,899	1,339	1,291	58.4	0.9

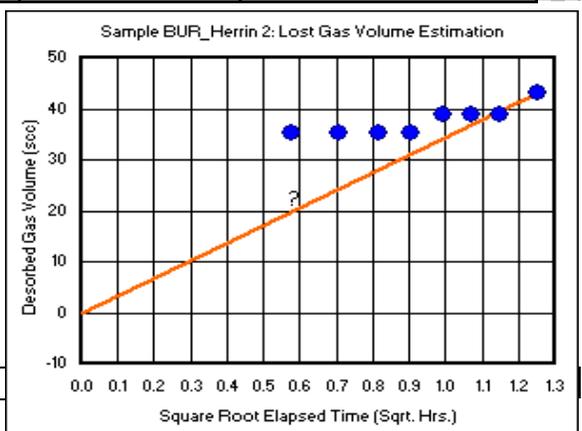
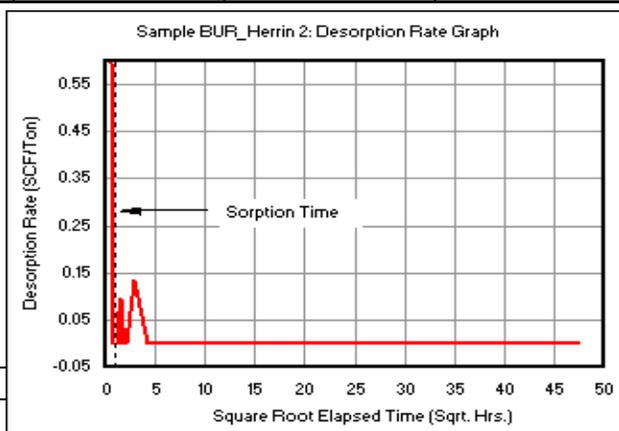
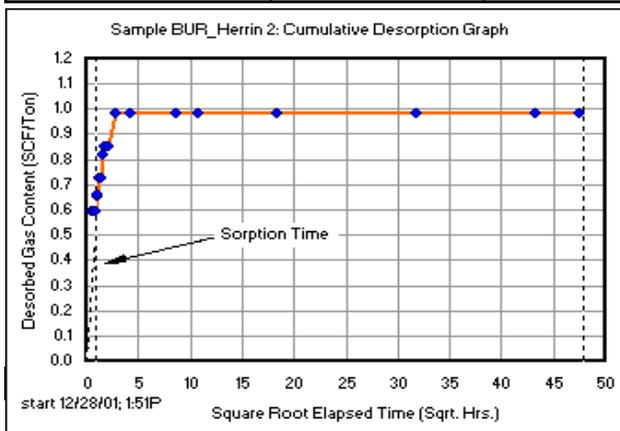
Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
0.0	0.0	0.0	nd	nd

Sorption time (hr) for 63.2% of total gas
 >2,251

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.4	4.8	5.0	nd	nd	nd

* Not actual measurements; they were estimated based on the values measured for the other Herrin (Herrin 1) sample.

Other components*					Residual gas volume*		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
2.50	15.00	14.50	29.50	32.04	2.42	3.43	3.56



Operator:	American Coal Company
Location:	Bureau County, Sec. 33, T17N, R11E
Field:	American Coal Co.
Formation:	Pennsylvanian, Herrin Coal
Comments:	Coal is 315 feet deep and 59 inches thick

Basic information

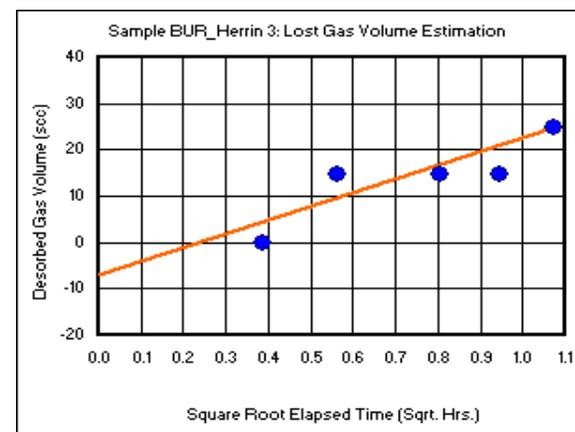
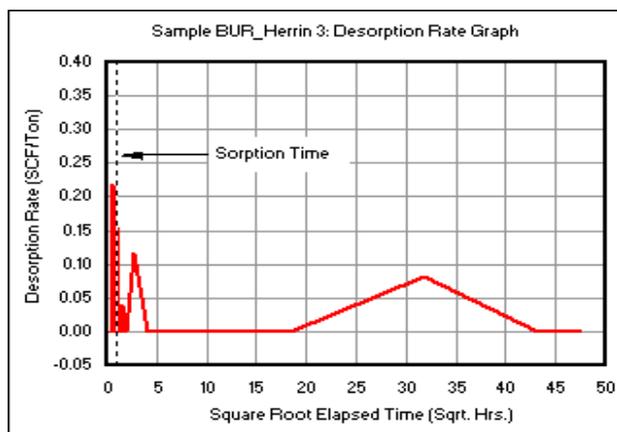
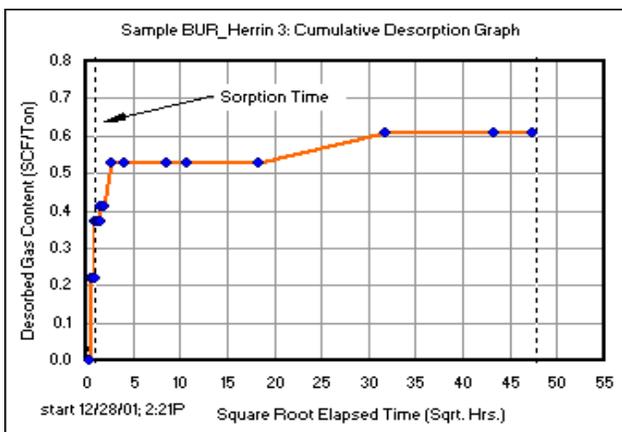
Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
BUR_Herrin 3	E5 &F4	318.1	2,138	1,507	1,453	40.7	1.1

Lost gas volume					Sorption time (hr) for 63.2% of total gas >2,250
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
14.7	0.1	0.2	27.9	0.2	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.1	4.4	4.6	3.3	4.6	4.8

* Not actual measurements; they were estimated based on the values measured for the other Herrin (Herrin 1) sample.

Other components*					Residual gas volume*		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
2.50	15.00	14.50	29.50	32.04	2.42	3.43	3.56



Well:	ISGS-BUR #1
Operator:	American Coal Company
Location:	Bureau County, Sec. 33, T17N, R11E
Field:	American Coal Co.
Formation:	Pennsylvanian, Colchester Coal
Comments:	Coal is 481 feet deep and 38 inches thick

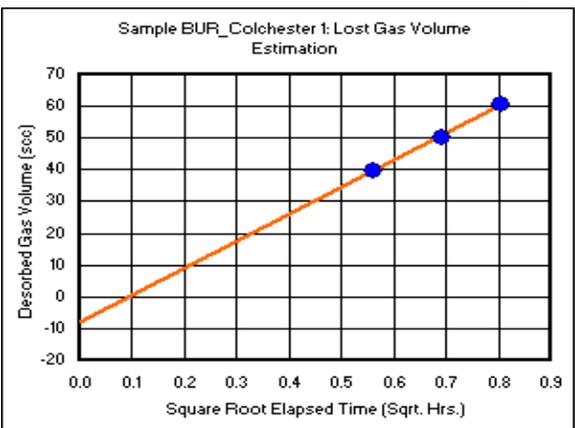
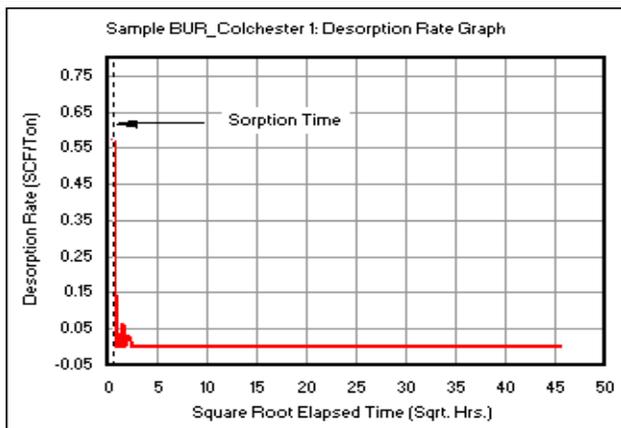
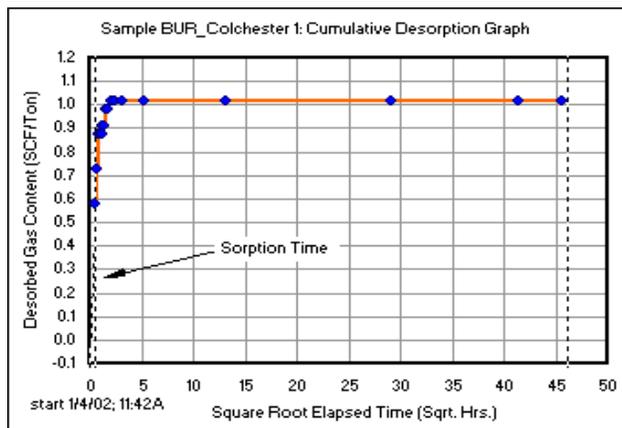
Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf sample weight (g)	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
BUR_Colchester 1	E4	481	2,210	1,752	1,693	69.9	0.3

Lost gas volume					Sorption time (hr) for 63.2% of total gas >2,085
USBM			Smith and Williams		
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)	
10.3	0.1	0.2	nd	nd	

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
4.0	5.0	5.2	nd	nd	nd

Other components					Residual gas volume		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.96	14.72	6.02	20.74	23.40	2.86	3.61	3.73



Well:	ISGS-BUR #1
Operator:	American Coal Company
Location:	Bureau County, Sec. 33, T17N, R11E
Field:	American Coal Co.
Formation:	Pennsylvanian, Colchester Coal
Comments:	Coal is 481 feet deep and 38 inches thick

Basic information

Sample ID	Canister number	Driller's depth (ft)	As-received sample weight (g)	daf sample weight (g)	dmmf	Measured desorption (scm ³)	Sorption time (hr) for 63.2% of measured desorption
BUR_Colchester 2	E5	482	2,237	1,774	1,714	49.8	1.8

Lost gas volume				
USBM			Smith and Williams	
(%)	As-received (scf/t)	dmmf (scf/t)	(%)	As-received (scf/t)
6.9	0.1	0.1	32.3	0.3

Sorption time (hr) for 63.2% of total gas
>2,085

Total gas volume					
USBM			Smith and Williams		
As-received (scf/t)	daf (scf/t)	dmmf (scf/t)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.6	4.6	4.7	3.9	4.9	5.1

*Not actual measurements ; they were estimated based on values measured for the other Colchester (Colchester 1) sample.

Other components*					Residual gas volume*		
Sulfur (wt%)	Moisture (wt%)	Ash (wt%)	Moisture plus ash (wt%)	Sulfur, moisture, and ash (wt%)	As-received (scf/t)	daf (scf/t)	dmmf (scf/t)
3.96	14.70	6.00	20.70	23.36	2.86	3.61	3.73

