

STUDY OF HYDROCARBON - SHALE INTERACTION , 34

PROGRESS REPORT #10, <sup>No.</sup> 34

PART II . 24

APPENDIX B (continued)

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**MASTER**

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Date 7/29/1978

Sample ID : N2-MAK-1:976.2

Gas : Helium

Initials : PDS

Book : 1

Page : 34

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## SAMPLE DATA

Weight : 5.3059 (grams)

Density : 2.55989 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

-1.42375E-05 Vol Gas/Vol Rock/Torr

-7.3629E-04 Vol Gas/Vol rock/PSI

-1.08205E-02 Vol Gas/Vol Rock/ATM

-2.48133E-10 Moles Gas/Gram Rock/Torr

UNCERTAINTY : -13.0978 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
244.259	-7.44668E-08	34.5595	1	0
536.664	-1.52488E-07	23.894	1	0
825.346	-1.7399E-07	25.6752	1	0
891.547	-2.2068E-07	23.3886	1	0

Date 7/29/1978

Sample ID : N2-MAK-1-976.2

Gas : Methane

Initials : PDS

Book : 1

Page : 34

## SAMPLE DATA

Weight : 5.3059 (grams)

Density : 2.55989 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

4.49842E-04 Vol Gas/Vol Rock/Torr

2.32635E-02 Vol Gas/Vol rock/PSI

.34188 Vol Gas/Vol Rock/ATM

7.83992E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : .424436 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
234.306	1.98221E-06	1.30035	1	0
519.902	4.13069E-06	.88421	2	5.21506
812.418	6.2998E-06	.711462	2	20.909
881.295	6.77389E-06	.764869	2	3.08777

Date 7/29/1978

Sample ID : M2-MAK-1:976.2

Gas : Methane

Initials : PDS

Book : 1

Page : 34

## SAMPLE DATA

Weight : 5.3059 (grams)

Density : 2.55989 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 880.961

P equilibrium : 207.195

P o : 206.921

SPECIFIC DEGASIBILITY 6.36246E-09

UNCERTAINTY 2.73102 %

System d Moles/dP 2.01215E-06

Sample ID : N2-MAK-1:976.2

Gas : Nitrogen

Initials : PDS

Book : 1

Page : 34

SAMPLE DATA

Weight : 5.3059 (grams)

Density : 2.55989 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

DATA COLLECTED

INTERNAL AREA

2.12808E-04 Moles/Gram  
 8.31316E-05 Moles/ml.  
 12.2027 ml. gas/ml. rock  
 20.2486 Specific Area (sq.meters/gram)

UNCERTAINTY : 4.30034E-02 %

C = 2108.67 C

8.67

UNCERTAINTY IN C : 4.30046E-02 %

BAROMETRIC PRESSURE 739.958 mm Hg

DETAILED DATA 5 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
129607	5.84887E-05	.20329	1	0
12.2931	1.84136E-04	9.13237E-02	1	0
99.5596	2.5016E-04	8.23345E-02	1	0
171.323	2.86845E-04	8.29186E-02	1	0
228.824	3.1611E-04	8.41293E-02	1	0

Date 7/29/1978

Sample ID : N2-MAK-1:976.2

Gas : Nitrogen

Initials : PDS

Book : 1

Page : 34

## SAMPLE DATA

Weight : 5.3059 (grams)

Density : 2.55989 (gm/cc)

Sample Temp : -196 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 228.772

P equilibrium : 68.9056

P o : 58.1684

SPECIFIC VEGASIBILITY 8.50632E-06

UNCERTAINTY .419403 %

System d Moles/dP 8.28857E-06

Date 7/30/1978

Sample ID : COL GAS:R030

Gas : Helium

Initials : WRB

Book : 1

Page : 35

## SAMPLE DATA

Weight : 4.94135 (grams)

Density : 2.7479 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

9.35717E-05 Vol Gas/Vol Rock/Torr  
 4.83906E-03 Vol Gas/Vol rock/PSI  
 7.11145E-02 Vol Gas/Vol Rock/ATM  
 1.51921E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : 2.33172 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
236.272	3.62297E-07	7.64782	1	0
526.149	7.85047E-07	4.99683	1	0
816.809	1.26085E-06	3.8145	1	0
888.885	1.33931E-06	4.1491	1	0

Date 7/30/1978

Sample ID : COL GAS R030

Gas : Methane

Initials : WRB

Book : 1

Page : 35

## SAMPLE DATA

Weight : 4.94135 (grams)

Density : 2.7479 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

4.66239E-04 Vol Gas/Vol Rock/Torr

2.41115E-02 Vol Gas/Vol rock/PSI

354342 Vol Gas/Vol Rock/ATM

7.56974E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : .476554 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
230.459	1.86157E-06	1.49076	1	0
516.063	3.94074E-06	.997875	1	0
806.102	6.05976E-06	.796324	1	0
878.81	6.53958E-06	.852986	1	0

Date 7/30/1978

Sample ID : COL GAS R030

Gas : Methane

Initials : WRB

Book : 1

Page : 35

## SAMPLE DATA

Weight : 4.94135 (grams)

Density : 2.7479 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 878.585

P equilibrium : 218.309

P o : 217.374

SPECIFIC DEGASIBILITY 4.96363E-08

UNCERTAINTY 1.07761 %

System d Moles/ dP 2.04977E-06

Date 7/30/1978

Sample ID : COL GAS R030

Gas : Nitrogen

Initials : WRB

Book : 1

Page : 35

## SAMPLE DATA

Weight : 4.94135 (grams)

Density : 2.7479 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## INTERNAL AREA

1.38108E-04 Moles/Gram  
 5.02593E-05 Moles/ml.  
 8.50093 ml. gas/ml. rock  
 13.1409 Specific Area (sq meters/gram)

UNCERTAINTY : 6.93796E-02 %

C : 487.891

UNCERTAINTY IN C : 6.95099E-02 %

BAROMETRIC PRESSURE 741.208 mm Hg

## DETAILED DATA 5 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
1.21306	6.18198E-05	.206596	1	0
50.2362	1.34601E-04	.134197	1	0
127.142	1.66635E-04	.13277	1	0
184.355	1.87764E-04	.136068	1	0
238.35	2.07215E-04	.137858	1	0

Date 7/30/1978

Sample ID : COL GAS R030

Gas : Nitrogen

Initials : WRB

Book : 1

Page : 35

## SAMPLE DATA

Weight : 4.94135 (grams)

Density : 2.7479 (gm/cc)

Sample Temp : -196 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 238.278

P equilibrium : 57.5658

P o : 39.27

SPECIFIC DEGASIBILITY 1.97425E-05

UNCERTAINTY .183768 %

System d Moles/dP 8.40235E-06

Date 7/31/1978

Sample ID : COL GAS R018

Gas : Helium

Initials : DLW

Book : 1

Page : 36

## SAMPLE DATA

Weight : 5.30597 (grams)

Density : 2.55989 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

2.63795E-04 Vol Gas/Vol Rock/Torr

1.36421E-02 Vol Gas/Vol rock/PSI

.200484 Vol Gas/Vol Rock/ATM

4.59746E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : .716434 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
238.408	1.10273E-06	2.3361	1	0
525.631	2.39778E-06	1.52102	1	0
816.196	3.77218E-06	1.1854	1	0
887.663	4.07188E-06	1.2688	1	0

Date 7/31/1978

Sample ID : COL GAS R018

Gas : Methane

Initials : DLW

Book : 1

Page : 36

## SAMPLE DATA

Weight : 5.30597 (grams)

Density : 2.55989 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

1.06725E-03 Vol Gas/Vol Rock/Torr

5.51927E-02 Vol Gas/Vol rock/PSI

.811109 Vol Gas/Vol Rock/ATM

1.86002E-08 Moles Gas/Gram Rock/Torr

UNCERTAINTY : .179704 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
239.807	5.01831E-06	.514238	1	0
516.478	9.91712E-06	.368697	1	0
803.933	1.46358E-05	.30656	1	0
880.374	1.57821E-05	.328632	1	0

Date 7/31/1978

Sample ID : COL GAS R018

Gas : Methane

Initials : DLW

Book : 1

Page : 36

## SAMPLE DATA

Weight : 5.30597 (grams)

Density : 2.55989 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

.001058 Vol Gas/Vol Rock/Torr  
 5.47144E-02 Vol Gas/Vol rock/PSI  
 .80408 Vol Gas/Vol Rock/ATM  
 1.8439E-08 Moles Gas/Gram Rock/Torr

UNCERTAINTY : .181562 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
241.641	5.01861E-06	.51426	1	0
514.537	9.8018E-06	.373062	1	0
802.414	1.44627E-05	.31025	1	0
878.362	1.56066E-05	.33235	1	0

Date 7/31/1978

Sample ID : COL GAS:R018

Gas : Methane

Initials : DLW

Book : 1

Page : 36

## SAMPLE DATA

Weight : 5.30597 (grams)

Density : 2.55989 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 878.302

P equilibrium : 227.61

P o : 213.189

SPECIFIC DEGASIBILITY 1.14382E-06

UNCERTAINTY .435928 %

System d Moles/ dP 2.2089E-06

Date 7/31/1978

Sample ID : COL GAS R018

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 36

## SAMPLE DATA

Weight : 5.30597 (grams)

Density : 2.55989 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## INTERNAL AREA

1.01875E-04	Moles/Gram
3.97965E-05	Moles/ml.
5.84166	ml. gas/ml. rock
9.69339	Specific Area (sq. meters/gram)

UNCERTAINTY : 9.43192E-02 %

C : 141.263

UNCERTAINTY IN C : .105237 %

BAROMETRIC PRESSURE 740.043 mm Hg

## DETAILED DATA 5 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
11.4379	7.15935E-05	.166178	1	0
87.2405	1.05983E-04	.158768	1	0
149.929	1.24935E-04	.164964	1	0
207.065	1.41463E-04	.16824	1	0
255.713	1.54959E-04	.171729	1	0

Date 7/31/1978

Sample ID : COL GAS R018

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 36

## SAMPLE DATA

Weight : 5.30597 (grams)

Density : 2.55989 (gm/cc)

Sample Temp : -196 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 255.581

P equilibrium : 54.5901

P o : 37.4554

SPECIFIC DEGASIBILITY 1.13727E-05

UNCERTAINTY .120141 %

System d Moles/ dP 8.34185E-06

Date 8/ 1/1978

Sample ID : COL GAS R013

Gas : Helium

Initials : DLW

Book : 1

Page : 37

## SAMPLE DATA

Weight : 5.28759 (grams)

Density : 2.68389 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

3.88205E-06 Vol Gas/Vol Rock/Torr  
 2.0076E-04 Vol Gas/Vol rock/PSI  
 2.95036E-03 Vol Gas/Vol Rock/ATM  
 6.45311E-11 Moles Gas/Gram Rock/Torr

UNCERTAINTY : 50.9204 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
239.65	1.52796E-08	169.222	1	0
532.896	1.10524E-08	331.213	1	0
820.447	7.87317E-08	57.0064	1	0
889.403	5.38969E-08	96.2144	1	0

Date 8/ 1/1978

Sample ID : COL GAS:R013

Gas : Methane

Initials : DLW

Book : 1

Page : 37

## SAMPLE DATA

Weight : 5.28759 (grams)

Density : 2.68389 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

8.95555E-05 Vol Gas/Vol Rock/Torr

4.63136E-03 Vol Gas/Vol rock/PSI

6.80622E-02 Vol Gas/Vol Rock/ATM

1.48868E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : 2.241 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
233.506	3.5601E-07	7.27468	1	0
522.886	7.40642E-07	4.95504	2	7.01633
814.533	1.23826E-06	3.63698	2	21.9391
882.064	1.31748E-06	3.95145	2	4.1015

Date 8/ 1/1978

Sample ID : COL GAS:R013

Gas : Methane

Initials : DLW

Book : 1

Page : 37

## SAMPLE DATA

Weight : 5.28759 (grams)

Density : 2.68389 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 882.044

P equilibrium : 204.715

P o : 204.554

SPECIFIC DEGASIBILITY 1.20856E-09

UNCERTAINTY 54.1391 %

System d Moles/ dP 2.03324E-06

Date 8/1/1978

Sample ID : COL GAS R013

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 37

## SAMPLE DATA

Weight : 5.28759 (grams)

Density : 2.68389 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## INTERNAL AREA

5.40533E-05 Moles/Gram  
 2.01399E-05 Moles/ml.  
 3.24964 ml. gas/ml. rock  
 5.14317 Specific Area (sq meters/gram)

UNCERTAINTY : .206996 %

C : 69.9261

UNCERTAINTY IN C : .536124 %  
 BAROMETRIC PRESSURE : 742.849 mm Hg

## DETAILED DATA 5 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
16.5154	3.44688E-05	.346256	1	0
87.0608	5.10094E-05	.33092	2	592812
141.1	6.16732E-05	.335238	1	0
193.082	7.18068E-05	.332493	1	0
244.543	8.20351E-05	.325411	1	0

Date 8/1/1978

Sample ID : COL GAS R013

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 37

## SAMPLE DATA

Weight : 5.28759 (grams)

Density : 2.68389 (gm/cc)

Sample Temp : -196 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 244.6

P equilibrium : 41.9729

P o : 35.8925

SPECIFIC DEGASIBILITY 6.93061E-06

UNCERTAINTY .662573 %

System d Moles/ dP 8.3574E-06

Date 8/ 2/1978

Sample ID : COL GAS R014

Gas : Helium

Initials : DLW

Book : 1

Page : 38

## SAMPLE DATA

Weight : 4.19445 (grams)

Density : 2.3696 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

4.61482E-05 Vol Gas/Vol Rock/Torr  
 2.38655E-03 Vol Gas/Vol rock/PSI  
 3.50726E-02 Vol Gas/Vol Rock/ATM  
 8.68865E-10 Moles Gas/Gram Rock/Torr

UNCERTAINTY : 4.79382 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
236.112	2.13933E-07	15.258	1	0
525.645	4.12267E-07	11.2095	1	0
818.109	7.47376E-07	7.58118	1	0
893.377	7.74686E-07	8.45056	1	0

Date 8/ 2/1978

Sample ID : COL GAS:R014

Gas : Methane

Initials : DLW

Book : 1

Page : 38

## SAMPLE DATA

Weight : 4.19445 (grams)

Density : 2.3696 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

1.03266E-03 Vol Gas/Vol Rock/Torr

5.34042E-02 Vol Gas/Vol rock/PSI

784825 Vol Gas/Vol Rock/ATM

1.94427E-08 Moles Gas/Gram Rock/Torr

UNCERTAINTY : .220297 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
223.898	5.09308E-06	.64197	1	0
509.879	1.03944E-05	.445725	1	0
801.6	1.51606E-05	.375013	1	0
877.564	1.62555E-05	.404309	1	0

Date 8/ 2/1978

Sample ID : COL GAS R014

Gas : Methane

Initials : DLW

Book : 1

Page : 38

## SAMPLE DATA

Weight : 4.19445 (grams)

Density : 2.3696 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 877.042

P equilibrium : 229.139

P o : 209.487

SPECIFIC DEGASIBILITY 8.76392E-07

UNCERTAINTY 7.57642E-02 %

System d Moles/ dP 2.05091E-06

Sample ID : COL GAS R014

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 38

SAMPLE DATA

Weight : 4.19445 (grams)

Density : 2.3696 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

DATA COLLECTED

INTERNAL AREA

7.57355E-05 Moles/Gram  
 3.19613E-05 Moles/ml.  
 4.01997 ml. gas/ml. rock  
 7.20624 Specific Area (sq.meters/gram)

UNCERTAINTY : .196155 %

C : 55.3782

UNCERTAINTY IN C : .44437 %  
 BAROMETRIC PRESSURE 743.618 mm Hg

DETAILED DATA 5 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
16.8643	4.45314E-05	.337901	1	0
85.1091	6.82769E-05	.311695	1	0
140.22	8.45261E-05	.308382	1	0
192.294	9.9432E-05	.302728	1	0
242.432	1.13977E-04	.295288	1	0

Date 8/ 2/1978

Sample ID : COL GAS R014

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 38

## SAMPLE DATA

Weight : 4.19445 (grams)

Density : 2.3696 (gm/cc)

Sample Temp : -196 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 242.341

P equilibrium : 45.2883

P o : 34.6186

SPECIFIC DEGASIBILITY 6.1245E-06

UNCERTAINTY 5.45468E-02 %

System d Moles/ dP 8.42048E-06

Date 8/ 3/1978

Sample ID : 20403-2916

Gas : Helium

Initials : DLW

Book : 1

Page : 17

## SAMPLE DATA

Weight : 5.07661 (grams)

Density : 2.69 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

6.0198E-06 Vol Gas/Vol Rock/Torr  
 3.11314E-04 Vol Gas/Vol rock/PSI  
 4.57505E-03 Vol Gas/Vol Rock/ATM  
 9.98397E-11 Moles Gas/Gram Rock/Torr

UNCERTAINTY : 33.8482 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
270.471	3.04533E-08	88.4742	1	0
535.214	3.18751E-08	119.656	1	0
819.712	1.0489E-07	44.5804	1	0
888.776	8.21872E-08	65.7345	1	0

Date 8/ 3/1978

Sample ID : 20403:2916

Gas : Methane

Initials : DLW

Book : 1

Page : 17

## SAMPLE DATA

Weight : 5.07661 (grams)

Density : 2.69 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

1.09337E-04 Vol Gas/Vol Rock/Torr  
 5.65438E-03 Vol Gas/Vol rock/PSI  
 8.30965E-02 Vol Gas/Vol Rock/ATM  
 1.81338E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : 1.89313 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
240.976	4.78585E-07	5.63738	1	0
536.858	9.80743E-07	3.89832	1	0
819.551	1.48194E-06	3.16582	2	13.9962
885.175	1.55582E-06	3.48572	2	3.1309

Date 8/ 3/1978

Sample ID : 20403:2916

Gas : Methane

Initials : DLW

Book : 1

Page : 17

## SAMPLE DATA

Weight : 5.07661 (grams)

Density : 2.69 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 884.981

P equilibrium : 206.434

P o : 205.856

SPECIFIC DEGASIBILITY 2.98997E-08

UNCERTAINTY 1.41807 %

System d Moles/ dP 2.03462E-06

Date 8/ 3/1978

Sample ID : 20403:2916

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 17

## SAMPLE DATA

Weight : 5.07661 (grams)

Density : 2.69 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## INTERNAL AREA

4.64118E-05 Moles/Gram  
 1.72535E-05 Moles/ml.  
 2.79659 ml. gas/ml. rock  
 4.41608 Specific Area (sq meters/gram)

UNCERTAINTY : .300759 %

C : 39.0316

UNCERTAINTY IN C : 1.42676 %  
 BAROMETRIC PRESSURE 745.823 mm Hg

## DETAILED DATA 5 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
22.9546	2.71354E-05	.458105	1	0
89.9097	4.09485E-05	.429351	1	0
143.411	5.06827E-05	.424881	1	0
193.86	5.96087E-05	.417172	1	0
243.556	6.84248E-05	.406345	1	0

Date 8/ 3/1978

Sample ID : 20403:2916

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 17

## SAMPLE DATA

Weight : 5.07661 (grams)

Density : 2.69 (gm/cc)

Sample Temp : -196 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 243.451

P equilibrium : 38.6536

P o : 36.0895

SPECIFIC DEGASIBILITY 1.80071E-06

UNCERTAINTY .262281 %

System d Moles/ dP 8.37278E-06

Date 8/ 4/1978

Sample ID : 20403:2936

Gas : Helium

Initials : DLW

Book : 1

Page : 23

## SAMPLE DATA

Weight : 3.75596 (grams)

Density : 2.7085 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

X -1.34563E-05 Vol Gas/Vol Rock/Torr  
 -6.95893E-04 Vol Gas/Vol rock/PSI  
 -1.02268E-02 Vol Gas/Vol Rock/ATM  
 -2.21652E-10 Moles Gas/Gram Rock/Torr

UNCERTAINTY : -20.9114 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
238.664	-5.02736E-08	72.4214	1	0
527.44	-1.53734E-07	33.5306	1	0
820.514	-1.39849E-07	45.1926	1	0
892.147	-2.08471E-07	35.0279	1	0

Date 8/ 4/1978

Sample ID : 20403:2936

Gas : Helium

Initials : DLW

Book : 1

Page : 23

## SAMPLE DATA

Weight : 3.75596 (grams)

Density : 2.7085 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

$\chi$  -1.96754E-05 Vol Gas/Vol Rock/Torr  
 -1.01751E-03 Vol Gas/Vol rock/PSI  
 -1.49533E-02 Vol Gas/Vol Rock/ATM  
 -3.24092E-10 Moles Gas/Gram Rock/Torr

UNCERTAINTY : -14.2473 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
240.747	-1.30922E-07	27.8112	1	0
534.668	-2.07665E-07	24.8236	1	0
820.836	-2.00908E-07	31.4585	1	0
891.565	-2.70151E-07	27.0309	1	0

Date 8/ 4/1978

Sample ID : 20403:2936

Gas : Methane

Initials : DLW

Book : 1

Page : 23

## SAMPLE DATA

Weight : 3.75596 (grams)

Density : 2.7085 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

2.91059E-04 Vol Gas/Vol Rock/Torr

1.50521E-02 Vol Gas/Vol rock/PSI

.221205 Vol Gas/Vol Rock/ATM

4.7943E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : .966709 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
250.529	1.30699E-06	2.79096	1	0
534.302	2.58782E-06	1.9973	1	0
815.171	3.88502E-06	1.6325	1	0
886.79	4.12739E-06	1.77626	1	0

Date 8/ 4/1978

Sample ID : 20403:2936

Gas : Methane

Initials : DLW

Book : 1

Page : 23

## SAMPLE DATA

Weight : 3.75596 (grams)

Density : 2.7085 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 886.577

P equilibrium : 209.688

P o : 205.137

SPECIFIC DEGASIBILITY 1.97463E-07

UNCERTAINTY .131663 %

System d Moles/ dP 2.036E-06

Date 8/4/1978

Sample ID : 20403:2936

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 23

## SAMPLE DATA

Weight : 3.75596 (grams)

Density : 2.7085 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## INTERNAL AREA

5.34135E-05 Moles/Gram  
 1.97207E-05 Moles/ml.  
 3.24062 ml. gas/ml. rock  
 5.08229 Specific Area (sq. meters/gram)

UNCERTAINTY : .516479 %

C : 19.5289

UNCERTAINTY IN C : 4.12896 %

BAROMETRIC PRESSURE 746.208 mm Hg

## DETAILED DATA 5 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
33.5348	2.76174E-05	.60839	1	0
98.9572	4.31156E-05	.551163	1	0
149.614	5.40067E-05	.538942	1	0
204.542	6.57385E-05	.511291	1	0
250.393	7.55475E-05	.497451	1	0

Date 8/ 7/1978

Sample ID : COL GAS:R028

Gas : Helium

Initials : DLW

Book : 1

Page : 29

## SAMPLE DATA

Weight : 4.95177 (grams)

Density : 2.77684 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

X -1.55906E-04 Vol Gas/Vol Rock/Torr  
 -8.06269E-03 Vol Gas/Vol rock/PSI  
 -.118489 Vol Gas/Vol Rock/ATM  
 -2.50488E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : -1.38848 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
244.767	-6.37211E-07	4.32983	1	0
539.269	-1.3947E-06	2.80072	1	0
824.328	-2.01484E-06	2.37693	1	0
894.178	-2.22168E-06	2.49062	1	0

Date 8/ 7/1978

Sample ID : COL GAS:R028

Gas : Helium

Initials : DLW

Book : 1

Page : 29

## SAMPLE DATA

Weight : 4.95177 (grams)

Density : 2.77684 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

X -1.54522E-04 Vol Gas/Vol Rock/Torr  
 -7.99111E-03 Vol Gas/Vol rock/PSI  
 -.117437 Vol Gas/Vol Rock/ATM  
 -2.48264E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : -1.40134 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
258.943	-6.4116E-07	4.30367	1	0
531.362	-1.35652E-06	2.87961	1	0
822.554	-2.00765E-06	2.38548	1	0
888.976	-2.20677E-06	2.50744	1	0

Date 8/7/1978

Sample ID : COL GAS R028

Gas : Methane

Initials : DLW

Book : 1

Page : 29

## SAMPLE DATA

Weight : 4.95177 (grams)

Density : 2.77684 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

1.09344E-03 Vol Gas/Vol Rock/Torr

5.65473E-02 Vol Gas/Vol rock/PSI

.831017 Vol Gas/Vol Rock/ATM

1.75678E-08 Moles Gas/Gram Rock/Torr

UNCERTAINTY : .205511 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
224.269	4.83245E-06	.571775	1	0
512.172	9.58454E-06	.408506	1	0
804.406	1.35975E-05	.353354	1	0
877.982	1.44683E-05	.383885	1	0

Date 8/ 7/1978

Sample ID : COL GAS:R028

Gas : Methane

Initials : DLW

Book : 1

Page : 29

## SAMPLE DATA

Weight : 4.95177 (grams)

Density : 2.77684 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 877.658

P equilibrium : 221.771

P o : 196.823

SPECIFIC DEGASIBILITY 1.52175E-06

UNCERTAINTY .157865 %

System d Moles/ dP 2.02623E-06

Date 8/ 7/1978

Sample ID : COL GAS R028

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 29

## SAMPLE DATA

Weight : 4.95177 (grams)

Density : 2.77684 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## INTERNAL AREA

8.81306E-05	Moles/Gram
3.17378E-05	Moles/ml.
5.48184	ml. gas/ml. rock
8.38563	Specific Area (sq. meters/gram)

UNCERTAINTY : .116722 %

C : 156.494

UNCERTAINTY IN C : .130177 %

BAROMETRIC PRESSURE 746.395 mm Hg

## DETAILED DATA 5 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
7.00338	5.36236E-05	.237647	1	0
76.7996	8.56341E-05	.210471	1	0
137.481	1.04014E-04	.212239	1	0
190.428	1.19366E-04	.213567	1	0
239.68	1.34076E-04	.212592	1	0

Date 8/ 7/1978

Sample ID : COL GAS:R028

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 29

## SAMPLE DATA

Weight : 4.95177 (grams)

Density : 2.77684 (gm/cc)

Sample Temp : -196 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 239.463

P equilibrium : 49.5036

P o : 32.596

SPECIFIC DEGASIBILITY 1.12468E-05

UNCERTAINTY 7.36356E-02 %

System d Moles/ dP 8.34986E-06

Date 8/4/1978

Sample ID : 20403:2936

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 23

## SAMPLE DATA

Weight : 3.75596 (grams)

Density : 2.7085 (gm/cc)

Sample Temp : -196 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 249.164

P equilibrium : 37.5096

P o : 33.9594

SPECIFIC DEGASIBILITY 1.5583E-06

UNCERTAINTY 5.16335E-02 %

System d Moles/ dP 8.3747E-06

Date 8/ 9/1978

Sample ID : N2-MAK-1:926.5

Gas : Helium

Initials : DLW

Book : 1

Page : 41

## SAMPLE DATA

Weight : 3.74062 (grams)

Density : 2.5915 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

9.0795E-05 Vol Gas/Vol Rock/Torr

4.69546E-03 Vol Gas/Vol rock/PSI

6.90042E-02 Vol Gas/Vol Rock/ATM

1.56309E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : 2.97997 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
237.492	2.93542E-07	12.4598	1	0
531.821	7.44125E-07	6.96315	1	0
819.967	1.36943E-06	4.64182	1	0
890.759	1.47263E-06	4.98902	1	0

Date 8/ 9/1978

Sample ID : N2-MAK-1:926.5

Gas : Methane

Initials : DLW

Book : 1

Page : 41

## SAMPLE DATA

Weight : 3.74062 (grams)

Density : 2.5915 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

5.01125E-04 Vol Gas/Vol Rock/Torr

2.59156E-02 Vol Gas/Vol rock/PSI

.380855 Vol Gas/Vol Rock/ATM

8.62716E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : .550361 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
231.383	2.03662E-06	1.79863	1	0
518.849	4.42367E-06	1.17412	2	5.91685
810.182	7.00909E-06	.909903	2	15.505
880.377	7.59045E-06	.971594	2	1.84722

Date 8/ 9/1978

Sample ID : N2-MAK-1:926.5

Gas : Methane

Initials : DLW

Book : 1

Page : 41

## SAMPLE DATA

Weight : 3.74062 (grams)

Density : 2.5915 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 880.14

P equilibrium : 211.709

P o : 211.506

SPECIFIC DEGASIBILITY 6.05295E-09

UNCERTAINTY 2.04723 %

System d Moles/ dP 2.0438E-06

Date 8/ 9/1978

Sample ID : N2-MAK-1:926.5

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 41

## SAMPLE DATA

Weight : 3.74062 (grams)

Density : 2.5915 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## INTERNAL AREA

2.28629E-04	Moles/Gram
8.82227E-05	Moles/ml.
13.2718	ml. gas/ml. rock
21.7541	Specific Area (sq. meters/gram)

UNCERTAINTY : 5.65826E-02 %

C : 532.559

UNCERTAINTY IN C : 5.66271E-02 %  
 BAROMETRIC PRESSURE 742.77 mm Hg

## DETAILED DATA 5 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
.73624	8.01831E-05	.21039	1	0
34.5048	2.10588E-04	.113299	1	0
117.101	2.69438E-04	.108465	1	0
178.176	3.08135E-04	.109526	1	0
231.932	3.42991E-04	.11002	2	593583

Date 8/ 9/1978

Sample ID : N2-MAK-1:926.5

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 41

## SAMPLE DATA

Weight : 3.74062 (grams)

Density : 2.5915 (gm/cc)

Sample Temp : -196 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 231.231

P equilibrium : 64.2201

P o : 55.6864

SPECIFIC DEGASIBILITY 9.29576E-06

UNCERTAINTY .245849 %

System d Moles/ dP 8.37407E-06

Date 8/10/1978

Sample ID : N2-MAK-1:1026

Gas : Helium

Initials : DLW

Book : 1

Page : 42

## SAMPLE DATA

Weight : 4.7833 (grams)

Density : 2.53931 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

1.44622E-04 Vol Gas/Vol Rock/Torr

7.4791E-03 Vol Gas/Vol rock/PSI

.109913 Vol Gas/Vol Rock/ATM

2.54092E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : 1.43408 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
238.509	5.29154E-07	5.39924	1	0
529.869	1.2661E-06	3.19676	1	0
819.757	2.16695E-06	2.29144	1	0
888.147	2.33269E-06	2.46026	1	0

Date 8/10/1978

Sample ID : N2-MAK-1-1026

Gas : Methane

Initials : DLW

Book : 1

Page : 42

## SAMPLE DATA

Weight : 4.7833 (grams)

Density : 2.53931 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

8.83857E-04 Vol Gas/Vol Rock/Torr

4.57086E-02 Vol Gas/Vol rock/PSI

.671731 Vol Gas/Vol Rock/ATM

1.55288E-08 Moles Gas/Gram Rock/Torr

UNCERTAINTY : .239878 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
230.393	3.764E-06	.760226	1	0
515.486	8.10748E-06	.500427	1	0
805.61	1.24118E-05	.401375	2	13.0873
879.188	1.34543E-05	.428176	2	2.74765

Date 8/10/1978

Sample ID : N2-MAK-1:1026

Gas : Methane

Initials : DLW

Book : 1

Page : 42

## SAMPLE DATA

Weight : 4.7833 (grams)

Density : 2.53931 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 879.053

P equilibrium : 219.78

P o : 219.367

SPECIFIC DEGASIBILITY 1.56429E-08

UNCERTAINTY 2.10923 %

System d Moles/ dP 2.0316E-06

Date 8/10/1978

Sample ID : N2-MAK-1:1026

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 42

## SAMPLE DATA

Weight : 4.7833 (grams)

Density : 2.53931 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## INTERNAL AREA

3.23903E-04 Moles/Gram  
 1.27556E-04 Moles/ml.  
 18.4238 ml. gas/ml. rock  
 30.8194 Specific Area (sq.meters/gram)

UNCERTAINTY : 3.35037E-02 %

C : 16736.5

UNCERTAINTY IN C : 3.35037E-02 %  
 BAROMETRIC PRESSURE 742.593 mm Hg

## DETAILED DATA 5 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
1.11814E-02	6.66908E-05	.197804	1	0
2.70871	2.22636E-04	8.38002E-02	1	0
64.5737	3.54654E-04	6.44342E-02	1	0
150.438	4.27473E-04	.061734	1	0
214.754	4.79984E-04	6.14758E-02	1	0

Date 8/10/1978

Sample ID : N2-MAK-1:1026

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 42

## SAMPLE DATA

Weight : 4.7833 (grams)

Density : 2.53931 (gm/cc)

Sample Temp : -196 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 214.492

P equilibrium : 79.6629

P o : 61.3397

SPECIFIC DEGASIBILITY 1.70928E-05

UNCERTAINTY .189182 %

System d Moles/ dP 8.34436E-06

Date 8/10/1978

Sample ID : COL GAS R029

Gas : Helium

Initials : JCN

Book : 1

Page : 28

## SAMPLE DATA

Weight : 4.85149 (grams)

Density : 2.682 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

5.39565E-05 Vol Gas/Vol Rock/Torr

2.79036E-03 Vol Gas/Vol rock/PSI

.041007 Vol Gas/Vol Rock/ATM

8.97549E-10 Moles Gas/Gram Rock/Torr

UNCERTAINTY : 4.14809 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
225.94	1.59236E-07	17.8473	1	0
506.908	3.7635E-07	10.6967	1	0
801.223	7.82118E-07	6.31448	2	4.35168E-02
877.734	8.47531E-07	6.7349	1	0

Date 8/10/1978

Sample ID : COL GAS R029

Gas : Methane

Initials : JCN

Book : 1

Page : 28

## SAMPLE DATA

Weight : 4.85149 (grams)

Density : 2.682 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

2.46543E-04 Vol Gas/Vol Rock/Torr

.01275 Vol Gas/Vol rock/PSI

.187373 Vol Gas/Vol Rock/ATM

4.10116E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : .916515 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
223.055	6.29889E-07	4.51875	1	0
503.996	1.76935E-06	2.28077	1	0
796.202	3.50833E-06	1.41237	1	0
873.141	3.9259E-06	1.4595	1	0

Date 8/10/1978

Sample ID : COL GAS:R029

Gas : Methane

Initials : JCN

Book : 1

Page : 28

## SAMPLE DATA

Weight : 4.85149 (grams)

Density : 2.682 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 872.923

P equilibrium : 231.075

P o : 230.661

SPECIFIC DEGASIBILITY 1.33828E-08

UNCERTAINTY 1.36927 %

System d Moles/ dP 2.1253E-06

Date 8/10/1978

Sample ID : COL GAS R029

Gas : Nitrogen

Initials : JCN

Book : 1

Page : 28

## SAMPLE DATA

Weight : 4.85149 (grams)

Density : 2.682 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## INTERNAL AREA

1.98147E-04	Moles/Gram
7.38804E-05	Moles/ml.
11.9041	ml. gas/ml. rock
18.8537	Specific Area (sq. meters/gram)

UNCERTAINTY : 5.04395E-02 %

C : 930.413

UNCERTAINTY IN C : 5.04486E-02 %

BAROMETRIC PRESSURE 743.92 mm Hg

## DETAILED DATA 5 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
.381719	6.4994E-05	.2002	1	0
26.6328	1.7575E-04	.10471	1	0
109.234	2.31298E-04	9.74544E-02	1	0
173.39	2.67453E-04	9.73279E-02	1	0
228.254	2.97678E-04	9.77767E-02	1	0

Date 8/10/1978

Sample ID : COL GAS:R029

Gas : Nitrogen

Initials : JCN

Book : 1

Page : 28

## SAMPLE DATA

Weight : 4.85149 (grams)

Density : 2.682 (gm/cc)

Sample Temp : -196 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 226.763

P equilibrium : 69.1742

P o : 43.4364

SPECIFIC DEGASIBILITY 2.6326E-05

UNCERTAINTY .139093 %

System d Moles/ dP 8.62655E-06

Date 8/11/1978

Sample ID : COL GAS:R016

Gas : Helium

Initials : JCN

Book : 1

Page : 39

## SAMPLE DATA

Weight : 4.88091 (grams)

Density : 2.42382 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

6.84739E-05 Vol Gas/Vol Rock/Torr  
 3.54112E-03 Vol Gas/Vol rock/PSI  
 5.20401E-02 Vol Gas/Vol Rock/ATM  
 1.26037E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : 2.87737 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
231.776	2.40324E-07	11.6787	1	0
517.939	5.82922E-07	6.82072	1	0
812.955	1.09038E-06	4.47347	1	0
881.869	1.16794E-06	4.82702	1	0

Date 8/11/1978

Sample ID : COL GAS R016

Gas : Methane

Initials : JCN

Book : 1

Page : 39

## SAMPLE DATA

Weight : 4.88091 (grams)

Density : 2.42382 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

8.29718E-04 Vol Gas/Vol Rock/Torr

4.29088E-02 Vol Gas/Vol rock/PSI

.630586 Vol Gas/Vol Rock/ATM

1.52723E-08 Moles Gas/Gram Rock/Torr

UNCERTAINTY : .242435 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
222.93	3.76824E-06	.745953	1	0
504.981	7.87732E-06	.505935	1	0
799.436	1.20235E-05	.407014	1	0
875.138	1.30247E-05	.434482	1	0

Sample ID : COL GAS R016

Gas : Methane

Initials : JCN

Book : 1

Page : 39

SAMPLE DATA

Weight : 4.88091 (grams)

Density : 2.42382 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

DATA COLLECTED

P initial : 874.906

P equilibrium : 225.847

P o : 213.244

SPECIFIC DEGASIBILITY 9.61427E-07

UNCERTAINTY .766841 %

System d Moles/ dP 2.05916E-06

Date 8/11/1978

Sample ID : COL GAS R016

Gas : Nitrogen

Initials : JCN

Book : 1

Page : 39

## SAMPLE DATA

Weight : 4.88091 (grams)

Density : 2.42382 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## INTERNAL AREA

1.22491E-04	Moles/Gram
5.05361E-05	Moles/ml
6.65045	ml. gas/ml. rock
11.655	Specific Area (sq. meters/gram)

UNCERTAINTY : 7.99409E-02 %

C : 370.557

UNCERTAINTY IN C : 8.03608E-02 %

BAROMETRIC PRESSURE 743.16 mm Hg

## DETAILED DATA 5 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
1.88414	5.99867E-05	.215538	1	0
59.807	1.17782E-04	.15526	1	0
129.372	1.46026E-04	.15339	1	0
185.512	1.67145E-04	.154756	1	0
237.226	1.86794E-04	.154836	1	0

Date 8/11/1978

Sample ID : COL GAS R016

Gas : Nitrogen

Initials : JCN

Book : 1

Page : 39

## SAMPLE DATA

Weight : 4.88091 (grams)

Density : 2.42382 (gm/cc)

Sample Temp : -196 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 236.55

P equilibrium : 57.0792

P o : 36.5375

SPECIFIC DEGASIBILITY 1.5039E-05

UNCERTAINTY .107628 %

System d Moles/ dP 8.3781E-06

Date 8/12/1978

Sample ID : N2-MAK-1:1126

Gas : Helium

Initials : JCN

Book : 1

Page : 40

## SAMPLE DATA

Weight : 4.06919 (grams)

Density : 2.7882 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

1.15768E-04 Vol Gas/Vol Rock/Torr

5.98696E-03 Vol Gas/Vol rock/PSI

.087984 Vol Gas/Vol Rock/ATM

1.85242E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : 2.36384 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
237.823	3.88052E-07	8.71013	1	0
515.331	8.71429E-07	5.49414	1	0
806.802	1.5676E-06	3.74679	1	0
878.533	1.69319E-06	4.00922	1	0

Date 8/12/1978

Sample ID : N2-MAK-1:1126

Gas : Methane

Initials : JCN

Book : 1

Page : 40

## SAMPLE DATA

Weight : 4.06919 (grams)

Density : 2.7882 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

3.63058E-04 Vol Gas/Vol Rock/Torr

1.87755E-02 Vol Gas/Vol rock/PSI

.275924 Vol Gas/Vol Rock/ATM

5.80931E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : .764379 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
226.025	1.32477E-06	2.55506	1	0
507.977	2.87091E-06	1.67163	2	263639
801.516	4.69393E-06	1.2554	2	11.0207
876.662	5.12804E-06	1.32882	2	2.64227

Date 8/12/1978

Sample ID : N2-MAK-1:1126

Gas : Methane

Initials : JCN

Book : 1

Page : 40

## SAMPLE DATA

Weight : 4.06919 (grams)

Density : 2.7882 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 876.506

P equilibrium : 223.235

P o : 222.972

SPECIFIC DEGASIBILITY 1.01158E-08

UNCERTAINTY 1.68007 %

System d Moles/ dP 2.09415E-06

Sample ID : N2-MAK-1:1126

Gas : Nitrogen

Initials : JCN

Book : 1

Page : 40

SAMPLE DATA

Weight : 4.06919 (grams)

Density : 2.7882 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

DATA COLLECTED

INTERNAL AREA

1.22746E-04 Moles/Gram  
 4.40233E-05 Moles/ml.  
 7.66617 ml. gas/ml. rock  
 11.6793 Specific Area (sq. meters/gram)

UNCERTAINTY : 9.54971E-02 %

C : 354.641

UNCERTAINTY IN C : 9.67914E-02 %

BAROMETRIC PRESSURE 743.003 mm Hg

DETAILED DATA 5 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
2.69382	6.97656E-05	.222485	1	0
68.9629	1.21371E-04	.180879	1	0
132.766	1.46646E-04	.183367	1	0
186.707	1.67398E-04	.185504	1	0
237.687	1.87586E-04	.185096	1	0

Date 8/12/1978

Sample ID : N2-MAK-1:1126

Gas : Nitrogen

Initials : JCN

Book : 1

Page : 40

## SAMPLE DATA

Weight : 4.06919 (grams)

Density : 2.7882 (gm/cc)

Sample Temp : -196 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 237.55

P equilibrium : 53.1311

P o : 46.8329

SPECIFIC DEGASIBILITY 9.29597E-06

UNCERTAINTY .416033 %

System d Moles/ dP 8.51415E-06

Date 8/14/1978

Sample ID : COL GAS R015

Gas : Helium

Initials : JCN

Book : 1

Page : 46

## SAMPLE DATA

Weight : 4.11091 (grams)

Density : 2.65593 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

1.28885E-04 Vol Gas/Vol Rock/Torr  
 6.66526E-03 Vol Gas/Vol rock/PSI  
 9.79523E-02 Vol Gas/Vol Rock/ATM  
 2.165E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : 1.98211 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
236.952	4.49473E-07	7.44658	1	0
525.019	1.08766E-06	4.35928	1	0
812.033	1.81936E-06	3.19707	2	2.96911
890.389	1.9793E-06	3.39657	1	0

Date 8/14/1978

Sample ID : COL GAS-R015

Gas : Methane

Initials : JCN

Book : 1

Page : 46

## SAMPLE DATA

Weight : 4.11091 (grams)

Density : 2.65593 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

6.14964E-04 Vol Gas/Vol Rock/Torr  
 3.18028E-02 Vol Gas/Vol rock/PSI  
 .467373 Vol Gas/Vol Rock/ATM  
 1.03301E-08 Moles Gas/Gram Rock/Torr

UNCERTAINTY : .422065 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
230.423	2.55627E-06	1.31015	1	0
517.997	5.42177E-06	.875845	1	0
803.578	8.21574E-06	.709679	2	8.3471
878.488	8.90807E-06	.756858	2	2.21427

Date 8/14/1978

Sample ID : COL GAS R015

Gas : Methane

Initials : JCN

Book : 1

Page : 46

## SAMPLE DATA

Weight : 4.11091 (grams)

Density : 2.65593 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 876.481

P equilibrium : 227.416

P o : 226.782

SPECIFIC DEGASIBILITY 2.86793E-08

UNCERTAINTY 1.35011 %

System d Moles/ dP 2.09267E-06

Date 8/14/1978

Sample ID : COL GAS R015

Gas : Nitrogen

Initials : JCN

Book : 1

Page : 46

## SAMPLE DATA

Weight : 4.11091 (grams)

Density : 2.65593 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## INTERNAL AREA

1.88074E-04	Moles/Gram
7.08127E-05	Moles/ml.
11.189	ml. gas/ml. rock
17.8952	Specific Area (sq. meters/gram)

UNCERTAINTY : .060737 %

C : 1272.34

UNCERTAINTY IN C : 6.07486E-02 %

BAROMETRIC PRESSURE 745.069 mm Hg

## DETAILED DATA 5 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
.384579	7.49175E-05	.205216	1	0
42.104	1.79442E-04	.121178	1	0
121.196	2.25635E-04	.118041	1	0
180.916	2.56157E-04	.120073	1	0
234.159	2.82886E-04	.121572	1	0

Date 8/14/1978

Sample ID : COL GAS R015

Gas : Nitrogen

Initials : JCN

Book : 1

Page : 46

## SAMPLE DATA

Weight : 4.11091 (grams)

Density : 2.65593 (gm/cc)

Sample Temp : -196 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 233.705

P equilibrium : 61.7002

P o : 49.9446

SPECIFIC DEGASIBILITY 1.55777E-05

UNCERTAINTY .411014 %

System d Moles/ dP 8.49082E-06

Date 8/15/1978

Sample ID : WV6-MERC-1X-7474

Gas : Helium

Initials : JCN

Book : 1

Page : 45

## SAMPLE DATA

Weight : 4.86684 (grams)

Density : 2.50899 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

1.03981E-04 Vol Gas/Vol Rock/Torr  
 5.37739E-03 Vol Gas/Vol rock/PSI  
 7.90258E-02 Vol Gas/Vol Rock/ATM  
 1.84897E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : 1.94608 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
235.676	4.0004E-07	7.03291	1	0
529.208	8.87005E-07	4.49347	1	0
816.833	1.57815E-06	3.09836	1	0
887.892	1.70617E-06	3.31237	1	0

Date 8/15/1978

Sample ID : WV6-MERC-1X:7474

Gas : Methane

Initials : JCN

Book : 1

Page : 45

## SAMPLE DATA

Weight : 4.86684 (grams)

Density : 2.50899 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

1.08152E-03 Vol Gas/Vol Rock/Torr  
 5.59308E-02 Vol Gas/Vol rock/PSI  
 .821957 Vol Gas/Vol Rock/ATM  
 1.92313E-08 Moles Gas/Gram Rock/Torr

UNCERTAINTY : .192445 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
226.961	3.19161E-06	.882857	1	0
506.277	9.77423E-06	.408738	1	0
798.68	1.59926E-05	.306741	1	0
877.969	1.72998E-05	.327908	1	0

Date 8/15/1978

Sample ID : WU6-MERC-1X:7474

Gas : Methane

Initials : JCN

Book : 1

Page : 45

## SAMPLE DATA

Weight : 4.86684 (grams)

Density : 2.50899 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 875.514

P equilibrium : 222.037

P o : 211.098

SPECIFIC DEGASIBILITY 4.52825E-07

UNCERTAINTY .438546 %

System d Moles/ dP 2.04894E-06

Date 8/15/1978

Sample ID : WU6-MERC-1X-7474

Gas : Nitrogen

Initials : JCN

Book : 1

Page : 45

## SAMPLE DATA

Weight : 4.86684 (grams)

Density : 2.50899 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## INTERNAL AREA

2.37273E-04	Moles/Gram
9.4569E-05	Moles/ml.
13.3351	ml. gas/ml. rock
22.5765	Specific Area (sq. meters/gram)

UNCERTAINTY : 4.16368E-02 %

C : 10608.8

UNCERTAINTY IN C : 4.16369E-02 %

BAROMETRIC PRESSURE 742.842 mm Hg

## DETAILED DATA 5 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
2.61809E-02	6.49369E-05	.199779	1	0
9.40653	2.05271E-04	8.93831E-02	1	0
95.1753	2.85289E-04	7.87748E-02	1	0
173.804	3.22108E-04	8.05719E-02	1	0
233.234	3.46183E-04	8.38258E-02	1	0

Date 8/15/1978

Sample ID : WU6-MERC-1X-7474

Gas : Nitrogen

Initials : JCN

Book : 1

Page : 45

## SAMPLE DATA

Weight : 4.86684 (grams)

Density : 2.50899 (gm/cc)

Sample Temp : -196 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 233.035

P equilibrium : 62.0868

P o : 36.705

SPECIFIC DEGASIBILITY 1.23104E-05

UNCERTAINTY 5.35064E-02 %

System d Moles/ dP 8.35243E-06

Date 8/15/1978

Sample ID : WV#6-MERC-1X:7421

Gas : Helium

Initials : DLW

Book : 1

Page : 50

## SAMPLE DATA

Weight : 4.66766 (grams)

Density : 2.52235 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

6.4683E-05 Vol Gas/Vol Rock/Torr

3.34507E-03 Vol Gas/Vol rock/PSI

.049159 Vol Gas/Vol Rock/ATM

1.14408E-09 Moles Gas/Gram Rock/Torr

UNCERTAINTY : 3.24944 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
240.202	2.06011E-07	14.2015	1	0
528.523	5.41715E-07	7.65089	1	0
823.095	1.01105E-06	5.02917	1	0
894.177	1.08712E-06	5.40605	1	0

Date 8/15/1978

Sample ID : WV#6-MERC-1X-7421

Gas : Methane

Initials : DLW

Book : 1

Page : 50

## SAMPLE DATA

Weight : 4.66766 (grams)

Density : 2.52235 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

2.94385E-03 Vol Gas/Vol Rock/Torr  
 .152241 Vol Gas/Vol rock/PSI  
 2.23733 Vol Gas/Vol Rock/ATM  
 5.20695E-08 Moles Gas/Gram Rock/Torr

UNCERTAINTY : 8.23471E-02 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
210.399	1.42114E-05	.226354	1	0
496.932	2.79215E-05	.163397	1	0
793.329	3.94323E-05	.142108	1	0
874.511	4.22853E-05	.153269	1	0

Date 8/15/1978

Sample ID : WV#6-MERC-1X:7421

Gas : Methane

Initials : DLW

Book : 1

Page : 50

## SAMPLE DATA

Weight : 4.66766 (grams)

Density : 2.52235 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 874.21

P equilibrium : 239.534

P o : 205.124

SPECIFIC DEGASIBILITY 1.95283E-06

UNCERTAINTY .150187 %

System d Moles/ dP 2.01849E-06

Date 8/15/1978

Sample ID : WU#6-MERC-1X:7421

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 50

## SAMPLE DATA

Weight : 4.66766 (grams)

Density : 2.52235 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## INTERNAL AREA

2.74461E-04 Moles/Gram  
 1.08812E-04 Moles/ml.  
 15.5072 ml. gas/ml. rock  
 26.115 Specific Area (sq. meters/gram)

UNCERTAINTY : 3.87933E-02 %

C : 3375.75

UNCERTAINTY IN C : 3.87936E-02 %  
 BAROMETRIC PRESSURE 741.255 mm Hg

## DETAILED DATA 5 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
6.70014E-02	6.67838E-05	.202492	1	0
4.45086	2.22862E-04	8.58188E-02	1	0
82.9171	3.26755E-04	.071694	1	0
170.548	3.69258E-04	7.32637E-02	1	0
234.095	3.93992E-04	7.67771E-02	1	0

Date 8/15/1978

Sample ID : WU#6-MERC-1X:7421

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 50

## SAMPLE DATA

Weight : 4.66766 (grams)

Density : 2.52235 (gm/cc)

Sample Temp : -196 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 232.554

P equilibrium : 59.9172

P o : 33.0259

SPECIFIC DEGASIBILITY 8.67152E-06

UNCERTAINTY 3.01132E-02 %

System d Moles/ dP 8.2588E-06

Date 8/17/1978

Sample ID : WU#6-MERC-1X:7267

Gas : Helium

Initials : DLW

Book : 1

Page : 43

## SAMPLE DATA

Weight : 5.322 (grams)

Density : 2.67122 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

4.93895E-05 Vol Gas/Vol Rock/Torr  
 2.55417E-03 Vol Gas/Vol rock/PSI  
 .037536 Vol Gas/Vol Rock/ATM  
 8.24893E-10 Moles Gas/Gram Rock/Torr

UNCERTAINTY : 3.94052 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
241.944	1.6502E-07	15.5533	1	0
535.217	3.93476E-07	9.24082	1	0
823.546	7.25703E-07	6.14676	1	0
893.093	7.75227E-07	6.65058	1	0

Date 8/17/1978

Sample ID : WU#6-MERC-1X:7267

Gas : Methane

Initials : DLW

Book : 1

Page : 43

## SAMPLE DATA

Weight : 5.322 (grams)

Density : 2.67122 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## SLOPE OF ISOTHERM

8.01541E-04 Vol Gas/Vol Rock/Torr

4.14516E-02 Vol Gas/Vol rock/PSI

.609171 Vol Gas/Vol Rock/ATM

1.33872E-08 Moles Gas/Gram Rock/Torr

UNCERTAINTY : .248028 %

## DETAILED DATA 4 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
228.967	3.86476E-06	.665103	1	0
523.823	7.47359E-06	.487704	1	0
813.01	1.03925E-05	.430654	1	0
883.093	1.10353E-05	.468986	1	0

Date 8/17/1978

Sample ID : WV#6-MERC-1X:7267

Gas : Methane

Initials : DLW

Book : 1

Page : 43

## SAMPLE DATA

Weight : 5.322 (grams)

Density : 2.67122 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 882.98

P equilibrium : 213.98

P o : 207.948

SPECIFIC DEGASIBILITY 4.95434E-07

UNCERTAINTY 1.17328 %

System d Moles/ dP 2.02193E-06

Date 8/17/1978

Sample ID : WU#6-MERC-1X:7267

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 43

## SAMPLE DATA

Weight : 5.322 (grams)

Density : 2.67122 (gm/cc)

Sample Temp : 0 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

## INTERNAL AREA

1.24568E-04	Moles/Gram
4.66333E-05	Moles/ml.
7.45356	ml. gas/ml. rock
11.8526	Specific Area (sq. meters/gram)

UNCERTAINTY : 6.90908E-02 %

C : 2215.73

UNCERTAINTY IN C : 6.90984E-02 %

BAROMETRIC PRESSURE 744.086 mm Hg

## DETAILED DATA 5 POINTS TAKEN

PRESSURE Torr	ADS GAS Moles/Gram	UNCERTAINTY %	FLAG	FLAG Parameter
0	0	0	0	0
.285865	5.73545E-05	.206763	1	0
49.0517	1.27699E-04	.131343	1	0
128.283	1.53422E-04	.133906	1	0
186.937	1.69206E-04	.140212	1	0
238.964	1.82668E-04	.145221	1	0

Date 8/17/1978

Sample ID : WV#6-MERC-1X:7267

Gas : Nitrogen

Initials : DLW

Book : 1

Page : 43

## SAMPLE DATA

Weight : 5.322 (grams)

Density : 2.67122 (gm/cc)

Sample Temp : -196 (cent)

Particle Size : .085 (cm)

## DATA COLLECTED

P initial : 238.864

P equilibrium : 49.9709

P o : 36.5336

SPECIFIC DEGASIBILITY 8.59232E-06

UNCERTAINTY .113954 %

System d Moles/ dP 8.2694E-06