

S T O L L | K E E N O N | & | P A R K | L L P

300 WEST VINE STREET | SUITE 2100 | LEXINGTON, KENTUCKY 40507-1801
(859) 231-3000 PHONE | (859) 253-1093 FAX | WWW.SKPCOM

ROBERT M. WATT, III
859-231-3043
watt@skp.com

June 20, 2005

Hon. Beth A. O'Donnell
Executive Director
Public Service Commission
211 Sower Boulevard
P.O. Box 615
Frankfort, Kentucky 40601

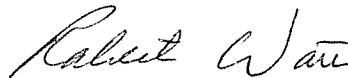
RECEIVED
JUN 20 2005
PUBLIC SERVICE
COMMISSION

Re: Equitable Production Company
Case No 2005-00160

Dear Ms. O'Donnell:

We submit herewith for filing an original and six copies of the Responses of Equitable Production Company to the Second Data Requests of the Commission Staff in the above-captioned case. Thank you for your attention to this matter.

Sincerely,



Robert M. Watt, III

Rmw
Encl.

Cc: Daniel L. Frutchey, Esq. (w/encl.)
Sandra Fraley, Esq. (w/encl.)
Mr. John M. Quinn (w/encl.)
Intervenors (w/encl.)

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED
JUN 20 2005
PUBLIC SERVICE
COMMISSION

In the Matter of:

APPLICATION OF EQUITABLE)
PRODUCTION COMPANY TO INCREASE) CASE NO.
RATES PURSUANT TO KRS 278.485 AND) 2005-00160
807 KAR 5:026, SECTION 9)

* * * * *

RESPONSES OF EQUITABLE PRODUCTION
COMPANY TO SECOND DATA REQUEST OF
COMMISSION STAFF

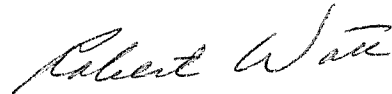
FILED: JUNE 20, 2005

CERTIFICATE OF SERVICE

This is to certify that the attached Responses have been served by mailing a copy of same, postage prepaid to the following persons on this 20th day of June 2005:

Tivis and Esther Newsome
2064 Little Robinson Creek
Virgie, KY 41572

Randall Tracy
P.O. Box 116
Pinsonfork, KY 41555



Counsel for Equitable Production Company

Response to Interrogatories
Public Service Commission of Kentucky

Item: STAFF-II-1

Refer to Item 1(b) and Attachment 1-A of Equitable Production's response to the Initial Data Request of Commission Staff ("Staff's Request"). Equitable Production states that it purchases 100 percent of the supply used to serve retail customers from third-party suppliers.

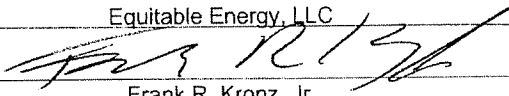
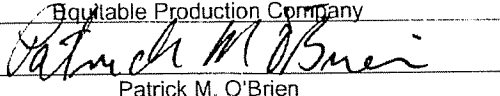
- a. Explain whether Equitable Production would purchase gas if it had no retail customers.
- b. Provide the names of all current third-party gas suppliers and the contracts under which Equitable Production purchases gas from each supplier.

Response:

- a. Equitable Production would not purchase gas if it did not have to supply these retail customers. To clarify information previously provided, Equitable Production purchased gas from third party producers until January 1, 2005. Beginning January 1, 2005, Equitable Energy, LLC, a marketing affiliate of Equitable Production, began purchasing gas from all third party producers on the system and Equitable Production began purchasing the gas needed to supply the retail customers from Equitable Energy.
- b. As indicated above, Equitable Energy, LLC is the only supplier to Equitable Production. The agreement between Equitable Energy and Equitable Production is attached.

TRANSACTION CONFIRMATION
FOR IMMEDIATE DELIVERY

EXHIBIT A

<h1 style="margin: 0;">EQUITABLE ENERGY LLC</h1>	<p style="text-align: right;">Date: <u>January 1, 2005</u></p> <p style="text-align: right;">Transaction Confirmation #: <u>EPCPKVL2005</u></p>			
<p>This Transaction Confirmation is subject to the Base Contract between Seller and Buyer dated <u>April 1, 2003</u>. The terms of this Transaction Confirmation are binding unless disputed in writing within 2 Business Days of receipt unless otherwise specified in the Base Contract.</p>				
<p>SELLER: <u>Equitable Energy, LLC</u> <u>225 North Shore Drive, Pittsburgh, PA 15212</u></p> <p>Attn: <u>Frank R. Kronz, Jr.</u> Phone: <u>412.395.2622</u> Fax: <u>412.395.2675</u> Base Contract No. <u>E-EPC-E-01/012003</u> Transporter: _____ Transporter Contract Number: _____</p>	<p>BUYER: <u>Equitable Production Company</u> <u>225 North Shore Drive, 4th Floor, Pittsburgh, PA 15212</u></p> <p>Attn: <u>Greg Davis</u> Phone: <u>412.395.3938</u> Fax: <u>412.395.3335</u> Base Contract No. <u>WV-GISB-0002</u> Transporter: _____ Transporter Contract Number: _____</p>			
<p>Contract Price: 100% First of the month Index as published in Inside FERCs Gas Marketing Report for Columbia Gas Transmission Corp – Appalachia for the applicable month of delivery.</p>				
<p>Delivery Period: Begin: <u>January 1, 2005</u> End: <u>December 31, 2005 and MTM thereafter unless terminated by either party upon 30 days written notice.</u></p>				
<p>Performance Obligation and Contract Quantity: (Select One)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;"> <p>Firm (Fixed Quantity): <u> </u> MMBtus/day <input type="checkbox"/> EFP</p> </td> <td style="width: 33%; border: none;"> <p>Firm (Variable Quantity): <u> 50 </u> MMBtus/day Minimum <u>8,000</u> MMBtus/day Maximum subject to Section 4.2. at election of <input checked="" type="checkbox"/> Buyer or <input type="checkbox"/> Seller</p> </td> <td style="width: 33%; border: none;"> <p>Interruptible: Up to <u> </u> MMBtus/day</p> </td> </tr> </table>		<p>Firm (Fixed Quantity): <u> </u> MMBtus/day <input type="checkbox"/> EFP</p>	<p>Firm (Variable Quantity): <u> 50 </u> MMBtus/day Minimum <u>8,000</u> MMBtus/day Maximum subject to Section 4.2. at election of <input checked="" type="checkbox"/> Buyer or <input type="checkbox"/> Seller</p>	<p>Interruptible: Up to <u> </u> MMBtus/day</p>
<p>Firm (Fixed Quantity): <u> </u> MMBtus/day <input type="checkbox"/> EFP</p>	<p>Firm (Variable Quantity): <u> 50 </u> MMBtus/day Minimum <u>8,000</u> MMBtus/day Maximum subject to Section 4.2. at election of <input checked="" type="checkbox"/> Buyer or <input type="checkbox"/> Seller</p>	<p>Interruptible: Up to <u> </u> MMBtus/day</p>		
<p>Delivery Point(s): Various meters located in Eastern Kentucky on the Equitable Production Company gathering system. The customers are served under the provisions of KRS 278.485 as "farm tap" customers. <small>(If a pooling point is used, list a specific geographic and pipeline location):</small></p>				
<p>Special Conditions: Service shall be provided from gas aggregated by Equitable Energy, LLC solely from third-party producers. Customers will be entitled to receive full requirements without scheduling or nominations.</p>				
<p>Seller: <u>Equitable Energy, LLC</u> By:  <u>Frank R. Kronz, Jr.</u> Title: <u>Director – Corporate Risk Management</u> Date: _____</p>	<p>Buyer: <u>Equitable Production Company</u> By:  <u>Patrick M. O'Brien</u> Title: <u>Vice President and Controller of Equitable Supply</u> Date: _____</p>			

Response to Interrogatories
Public Service Commission of Kentucky

Item: STAFF-II-2

Refer to Item 1(c) of the response to Staff's Request. Equitable Production states that its purchased volumes must be calculated because the volumes purchased in Dth exceed the volumes actually consumed in Mcf by the retail customers.

- a. Explain whether this is an indication of line loss.
- b. If yes, provide the percentage of line loss for each year from 2000-2004.

Response:

- a. As shown in Original Sheet No. 2, the Actual Cost Adjustment will be calculated monthly by applying an applicable Btu conversion factor and retainage rate to the actual sales volume to determine a purchased volume. The retainage rate is intended to account for the difference between what is received into the gathering system and ultimately redelivered. This difference is typically explained as lost and unaccounted for gas (line loss), and meter error.
The Company's response to Item 1(c) attempted to explain that the purchases for retail customers as measured in dekatherms are calculated based on the actual sales volumes as measured in Mcfs at the retail customer's meters. A sample calculation has been provided in Schedule F.2 of the information submitted in connection with this proceeding.
- b. Please refer to the attached spreadsheet.

**Equitable Production Company
Case No. 2005-00160
Response to Set 2 Item 2-b**

Line Loss %

<u>Year</u>	<u>percentage</u>
2000	6.7%
2001	6.7%
2002	8.3%
2003	6.4%
2004	8.0%

Equitable Production Company
Case No. 2005-00160
Prepared by: John M. Quinn
Title: Director of Rates
Item: STAFF-II-3

Response to Interrogatories
Public Service Commission of Kentucky

Item: STAFF-II-3

Refer to Item 1(d) of the response to the Staff's Request. Equitable Production states that a published independent market price is available to establish an appropriate gas cost rate for its retail customers. Provide the index or indices that Equitable Production would use to determine the charge to retail customers.

Response:

Please see attached.

NYMEX

Loc.	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Apr-Oct	Nov-Mar	Cal Year	
NYMEX	L1Day	1990					1.557	1.510	1.426	1.428	1.555	1.970	2.380			1.866	
NYMEX	L1Day	1991	2.046	1.538	1.395	1.391	1.350	1.336	1.167	1.195	1.430	1.772	1.987	1.380	1.550	1.583	
NYMEX	L1Day	1992	1.695	1.046	1.249	1.418	1.596	1.685	1.517	1.939	1.987	2.743	2.395	2.332	1.841	2.034	1.792
NYMEX	L1Day	1993	2.003	1.634	1.906	2.224	2.758	2.119	1.918	2.121	2.401	2.066	2.155	2.385	2.230	2.290	2.141
NYMEX	L1Day	1994	2.022	2.470	2.418	1.981	2.076	1.851	1.966	1.789	1.484	1.406	1.683	1.661	1.793	1.565	1.901
NYMEX	L1Day	1995	1.639	1.416	1.428	1.566	1.672	1.757	1.532	1.385	1.575	1.644	1.772	2.241	1.590	2.509	1.636
NYMEX	L1Day	1996	3.448	2.340	2.746	2.779	2.214	2.361	2.646	2.322	1.853	1.828	2.652	3.901	2.286	3.063	2.391
NYMEX	L1Day	1997	3.998	2.986	1.780	1.807	2.122	2.346	2.146	2.161	2.515	3.346	3.266	2.577	2.349	2.488	2.587
NYMEX	L1Day	1998	3.309	2.001	2.286	2.300	2.262	2.017	2.358	1.942	1.672	2.031	1.973	2.149	2.083	1.872	2.108
NYMEX	L1Day	1999	1.765	1.810	1.666	1.852	2.348	2.226	2.262	2.601	2.912	2.560	3.092	3.120	2.394	2.554	2.268
NYMEX	L1Day	2000	2.344	2.610	2.603	2.900	3.089	4.406	4.369	3.820	4.618	5.312	4.541	6.016	3.498	2.493	4.273
NYMEX	L1Day	2001	9.980	6.293	4.998	5.384	4.891	3.738	3.182	3.167	2.295	1.830	3.202	2.316	3.348	5.609	3.221
NYMEX	L1Day	2002	2.555	2.066	2.388	3.472	3.319	3.420	3.278	2.976	3.288	3.686	4.126	4.140	4.073	6.366	3.886
NYMEX	L1Day	2003	4.988	5.660	9.133	5.146	5.123	5.945	5.291	4.693	4.927	4.430	4.459	4.860	5.853	5.279	5.388
NYMEX	L1Day	2004	6.150	5.775	5.150	5.365	5.935	6.680	6.141	6.048	5.082	5.723	7.626	7.976			
NYMEX	L1Day	2005	6.219	6.288	6.304	7.323	6.748										
	AVG		3.544	3.058	3.163	3.127	3.167	2.896	2.752	2.639	2.630	2.797	3.106	3.269	2.843	2.967	2.962
	MAX		9.980	6.293	9.133	7.323	6.748	6.680	6.141	6.048	5.082	5.723	7.626	7.976	5.853	6.366	6.138
	MIN		1.639	1.046	1.249	1.391	1.350	1.336	1.167	1.195	1.430	1.406	1.683	1.661	1.380	1.550	1.533

NYMEX	L3Day	1990					1.560	1.529	1.440	1.422	1.551	1.930	2.387			1.882	
NYMEX	L3Day	1991	2.161	1.558	1.382	1.387	1.360	1.333	1.209	1.321	1.342	1.764	1.857	1.966	1.374	1.363	1.545
NYMEX	L3Day	1992	1.723	1.090	1.178	1.344	1.545	1.741	1.566	1.848	1.895	2.614	2.321	2.372	1.793	2.048	1.770
NYMEX	L3Day	1993	2.042	1.647	1.859	2.128	2.706	2.252	2.066	2.104	2.426	2.154	2.132	2.339	2.262	2.252	2.155
NYMEX	L3Day	1994	2.065	2.342	2.383	2.055	2.116	1.904	2.023	1.843	1.543	1.448	1.612	1.655	1.847	1.539	1.916
NYMEX	L3Day	1995	1.601	1.410	1.415	1.560	1.694	1.742	1.554	1.429	1.570	1.618	1.763	2.141	1.595	2.419	1.625
NYMEX	L3Day	1996	3.129	2.426	3.605	2.794	2.284	2.342	2.634	2.357	1.908	1.889	2.571	3.611	2.315	3.037	2.546
NYMEX	L3Day	1997	4.254	2.868	1.879	1.846	2.099	2.351	2.219	2.163	2.506	3.221	3.506	2.682	2.341	2.544	2.631
NYMEX	L3Day	1998	2.269	2.036	2.227	2.334	2.290	2.069	2.353	1.953	1.754	2.130	2.126	2.136	2.126	1.903	2.140
NYMEX	L3Day	1999	1.811	1.746	1.693	1.847	2.326	2.201	2.272	2.572	2.583	2.607	3.040	2.169	2.398	2.638	2.271
NYMEX	L3Day	2000	2.338	2.583	2.561	2.926	3.112	4.238	4.598	3.748	4.644	5.304	4.621	6.320	4.073	6.552	3.911
NYMEX	L3Day	2001	9.788	6.940	5.090	5.442	4.983	3.922	3.342	3.190	2.418	1.888	3.060	2.539	3.598	2.550	4.384
NYMEX	L3Day	2002	2.787	1.984	2.381	3.418	3.344	3.349	3.386	2.938	3.463	3.641	4.110	4.220	3.369	5.629	3.252
NYMEX	L3Day	2003	5.032	5.500	9.282	5.107	5.358	5.988	5.582	4.700	5.016	4.520	4.486	4.725	5.181	5.258	5.441
NYMEX	L3Day	2004	6.224	5.739	5.118	5.365	5.858	6.690	6.326	5.998	5.190	5.459	7.973	7.177	5.841		6.093
NYMEX	L3Day	2005	6.347	6.360	6.239	7.128	7.007										
	AVG		3.571	3.082	3.159	3.112	3.205	2.911	2.840	2.634	2.671	2.787	3.140	3.229	2.865	2.979	2.977
	MAX		9.788	6.940	9.282	7.128	7.007	6.690	6.326	5.998	5.190	5.459	7.973	7.177	5.841	6.552	6.093
	MIN		1.601	1.090	1.178	1.344	1.360	1.333	1.209	1.321	1.342	1.448	1.612	1.655	1.374	1.539	1.545

DTI Appalachia	1994	2.33	2.75	2.85	2.23	2.29	1.99	2.10	1.90	1.55	1.50	1.83	1.93	1.937	1.780	2.104	
DTI Appalachia	1995	1.87	1.65	1.62	1.68	1.83	1.86	1.62	1.49	1.68	1.77	1.97	2.33	1.704	3.384	1.798	
DTI Appalachia	1996	3.80	3.67	4.95	3.21	2.43	2.54	2.86	2.50	1.94	1.99	3.05	4.50	2.496	3.496	3.120	
DTI Appalachia	1997	4.50	3.20	1.93	2.04	2.32	2.46	2.31	2.33	2.71	3.32	3.59	3.70	2.499	2.656	2.784	
DTI Appalachia	1998	2.44	2.15	2.40	2.50	2.46	2.19	2.47	2.06	1.79	2.22	2.25	2.23	2.241	2.032	2.263	
DTI Appalachia	1999	1.95	1.95	1.78	2.09	2.51	2.35	2.42	2.80	3.07	2.73	3.28	2.28	2.567	2.758	2.434	
DTI Appalachia	2000	2.33	2.91	2.79	3.06	3.28	4.59	4.56	4.03	4.85	5.63	4.79	6.39	4.284	6.832	4.117	
DTI Appalachia	2001	10.91	6.68	5.39	5.73	5.19	3.95	3.38	3.33	2.42	2.02	3.37	2.42	3.717	2.674	4.566	
DTI Appalachia	2002	2.79	2.20	2.59	3.39	3.54	3.55	3.47	3.13	3.38	3.82	4.43	4.44	3.497	6.352	3.411	
DTI Appalachia	2003	5.33	6.36	11.20	5.54	5.60	6.36	5.73	4.97	5.21	4.78	4.94	5.54	5.454	5.764	5.946	
DTI Appalachia	2004	6.54	6.51	5.49	5.70	6.35	7.09	6.47	6.30	5.32	5.96	8.04	8.13	6.170		6.492	
DTI Appalachia	2005	6.58	6.63	6.64	7.74	7.11											
	AVG		4.298	3.888	4.136	3.759	3.743	3.539	3.398	3.166	3.084	3.249	3.776	3.899	3.332	3.749	3.546
	MAX		10.910	6.680	11.200	7.740	7.110	7.090	6.470	6.300	5.320	5.960	8.040	8.130	6.170	6.832	6.492
	MIN		1.870	1.650	1.620	1.680	1.830	1.860	1.620	1.490	1.550	1.500	1.830	1.930	1.374	1.539	1.545

TCO Appalachia	1994	2.30	2.68	2.78	2.24	2.28	1.98	2.06	1.88	1.56	1.51	1.84	1.93	1.930	1.778	2.087	
TCO Appalachia	1995	1.88	1.64	1.60	1.67	1.81	1.84	1.60	1.46	1.67	1.76	1.95	2.50	1.687	3.226	1.782	
TCO Appalachia	1996	3.70	3.42	4.56	3.06	2.44	2.53	2.81	2.45	1.93	1.99	2.94	4.23	2.459	3.280	3.005	
TCO Appalachia	1997	4.30	3.06	1.87	2.00	2.31	2.46	2.29	2.31	2.69	3.29	3.52	2.66	2.479	2.610	2.730	
TCO Appalachia	1998	2.38	2.12	2.37	2.45	2.42	2.16	2.46	2.05	1.77	2.20	2.24	2.25	2.216	2.012	2.239	
TCO Appalachia	1999	1.92	1.92	1.73	2.05	2.50	2.35	2.39	2.78	3.03	2.69	3.25	2.26	2.541	2.698	2.406	
TCO Appalachia	2000	2.49	2.76	2.73	3.01	3.25	4.53	4.52	3.98	4.81	5.55	4.74	6.27	4.236	6.654	4.059	
TCO Appalachia	2001	10.53	6.44	5.29	5.62	5.12	3.93	3.34	3.35	2.46	2.05	3.37	2.42	3.696	2.644	4.493	
TCO Appalachia	2002	2.76	2.14	2.53	3.55	3.52	3.54	3.44	3.12	3.79	3.88	4.38	4.32	3.549	5.832	3.414	
TCO Appalachia	2003	5.12	5.93	9.39	5.43	5.53	6.31	5.59	4.94	5.13	4.66	4.68	5.07	5.370	5.504	5.650	
TCO Appalachia	2004	6.34	6.03	5.40	5.63	6.39	6.96	6.42	6.28	5.33	6.06	7.89	8.18	6.124		6.393	
TCO Appalachia	2005	6.47	6.56	6.57	7.67	7.11											
	AVG		4.183	3.727	3.902	3.698	3.707	3.508	3.356	3.145	3.106	3.240	3.709	3.826	3.369	3.720	3.580
	MAX		10.530	6.560	9.390	7.670	7.110	6.960	6.420	6.280	5.330	6.060	7.890	8.180	6.170	6.832	6.492
	MIN		1.880	1.640	1.600	1.670	1.810	1.840	1.600	1.460	1.560	1.510	1.840	1.930	1.374	1.539	1.545

Response to Interrogatories
Public Service Commission of Kentucky

Item: STAFF-II-4

Refer to Item 3 of the response to Staff's Request.

- a. For the 29 facilities listed, explain whether they are compressor stations or gas wells.
- b. The heat values were listed for 11 facilities out of 29. For each facility, provide a full gas analysis and the date the sample was taken.
- c. Explain whether Equitable Production does periodic sampling for the gas from each facility.
- d. Provide the heat value of the gas sold to Columbia Gas Transmission Company ("TCO") and which company, TCO or Equitable Production, does the measurement.
- e. Explain whether the gas is processed before injecting it into TCO's pipeline.
- f. If the gas is processed, describe the processing plant in detail.
- g. For each facility, provide the number of retail customers.
- h. Provide the calculation of the average Btu for retail customers.

Response:

- a. The facilities listed in the Company's response to Item 3 are compressor stations.
- b. The Company was unable to locate copies of the analysis for each of the 29 identified compressor stations. In some instances the Btu value determined by gas analysis is maintained only in electronic format. Attached are copies of the available gas analysis.
- c. Equitable's current practice is to sample all production and gathering meters when they are initially turned "in line". Gas analysis is not typically performed at the compressor station facilities.
- d. Equitable has several delivery points off of the Pikeville system into TCO. TCO measures all volumes. However, larger custody transfer meters are monitored by Equitable via an audit meter. The heat value of the gas sold to TCO is set forth on the attached schedule.
- e. Gas is processed before going into TCO system.
- f. Standard refrigeration process is used to process gas.

- g. The Company has not maintained a list of retail customers by facility as shown in the response to Item 3.
- h. The calculation of the average Btu rate was provided in Attachment 1-B.

102

SAMPLE SUBMITTED FOR=

ASHLAND EXPLORATION COMPANY
BOX 158
PIKEVILLE KENTUCKY 41501

WELL NAME & NO.- MASON COAL AND COKE #2 SAMPLE DATE 11-19-80
WELL LOCATION- POMPEY CREEK PIKE CO KY Ashland Meter No. 102

THIS ANALYSIS ONLY REFLECTS THE COMPONENTS OF THE
SAMPLE RECEIVED BY COLUMBIA HYDROCARBON CORP.

COMPONENT	CONC. (MOLE%)
METHANE	91.52
ETHANE	6.89
PROPANE	1.25
I-BUTANE	.14
N-BUTANE	.24
I-PENTANE	.06
N-PENTANE	.05
HEXANES-PLUS	.1
HYDROGEN	.13
NITROGEN	.35
CO2	.08

GROSS BTU CONTENT= 1071
(BTU/SCF, 60 F, 14.73 PSIA, SAT'D)

SPECIFIC GRAVITY= .6083

THIS ANALYSIS WAS RUN AT 14 . 41 O'CLOCK ON 11 / 24 / 80
IT WAS PERFORMED BY ASTM D-1945 METHOD AT
COLUMBIA HYDROCARBON CORP. LABORATORY
PO BOX 575
SOUTH SHORE KY 41175
TELEPHONE 606-932-3111

Patricia C. Bauer
LABORATORY TECHNICIAN

9754

```

*****
*                               *
*   ASHLAND PETROLEUM COMPANY   *
*                               *
*   RESEARCH & DEVELOPMENT DEPARTMENT *
*                               *
*   Gas Chromatographic Laboratory Report *
*                               *
*   For Additional Information   *
*                               *
*   Call 6753 or 6457          *
*                               *
*****

```

Sample Description: FIELD GAS.

Refinery	Unit	Stream	Sampling Time	Submitter	Analyst	Calc Time
6	1	3	26SEP94:16:00	RG	DY	14OCT94:10:34
			BTU/cu ft	* Mole Fraction		
Compound			Mole %	Gross	Net	
Hydrogen			0.13	0	0	
Helium			0.04	0	0	
Methane			83.06	639	755	
Nitrogen			0.41	0	0	
Ethane			10.75	190	174	
Carbon Dioxide			1.78	0	0	
Propane			2.69	68	62	
Isobutane			0.28	9	8	
n-Butane			0.52	17	16	
Isopentane			0.12	5	5	
n-Pentane			0.10	4	4	
Eluting After n-Pentane			0.13	6	6	
Totals			100.00	1138	1029	

Average Molecular Weight (GMW Assumed for >NC5 : 86.18) = 19.38

Comments: BLACKBERRY COMPR

WET BTU

1118

www/sas

etc # 833383L



Delta Natural Gas Company, Inc. Sample Analysis Form

Operator

KY-WVA Gas Co.

Station #

Rt. Beaver Discharge 10X

Pressure Atmospheric Temp

110 PSIG

Sample Date Analysis Date

7/1/04 7/2/04

Sample Time Analyzed By

JLN

Sampled By

Comments

Methane

71.10

Ethane

18.46

Propane

7.12

I-Butane

0.41

N-Butane

1.52

I-Pentane

0.19

N-Pentane

0.24

Hexanes

0.22

Nitrogen

0.58

Carbon Dioxide

0.15

Wet BTU

1302

Wet Specific Gravity

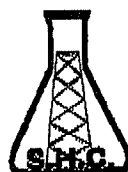
0.759

Dry BTU

1324

Dry Specific Gravity

0.761



**Southern
Hydrocarbon
Corporation**

SERVICES DIVISION

PO. Box 32
Alum Creek, West Virginia 25003
804-756-3171



801122

**EG&G Chandler Engineering
Model 292 Gas Chromatograph**

Test time: Oct.16 97 13:44
Test Sample #:1138

Calibration #: 21
Location No.123456

	Standard/Dry Analysis				Saturated Analysis		
	Mole%	BTU*	R.Den.*	GPM**	Mole%	BTU*	R.Den.*
Methane	69.103	699.57	0.3828	---	67.900	687.40	0.3761
Ethane	20.014	359.00	0.2078	5.3528	19.666	348.82	0.2042
Propane	7.464	188.23	0.1136	2.0566	7.334	184.95	0.1117
i-Butane	0.395	12.89	0.0079	0.1293	0.388	12.66	0.0078
n-Butane	1.416	46.30	0.0284	0.4468	1.391	45.50	0.0279
i-Pentane	0.160	6.41	0.0040	0.0585	0.157	6.30	0.0039
n-Pentane	0.227	9.14	0.0057	0.0824	0.224	8.98	0.0056
(C6+)	0.080	4.05	0.0025	0.0343	0.078	3.97	0.0025
Moisture	0.000	0.00	0.0000	---	1.740	0.88	0.0108
Nitrogen	0.938	0.00	0.0091	---	0.922	0.00	0.0089
(CO2)	0.203	0.00	0.0031	---	0.199	0.00	0.0030

Total 100.00 1321.6 0.7649 8.1604 100.00 1299.5 0.7624

* : Uncorrected for compressibility at 60.OF & 14.730PSIA.

** : Liquid Volume reported at 60.OF.

	Standard/Dry Analysis	Saturated Analysis
Molar Mass	= 22.153	22.081
Relative Density	= 0.7678	0.7653
Compressibility Factor	= 0.9959	0.9958
Heating Value	= 22586. Btu/lb	22281. Btu/lb
Heating Value	= 1327.1 Btu/CF	1305.0 Btu/CF
Absolute Gas Density	= 58.76 lbm/1000CF	58.57 lbm/1000CF
Unnormalized Total % :	101.370	
Last Calibrated with Calgas of	1056.2 Btu/CF	Oct.16 97 13:26
C6+ Last Update: GPA 2261-90.		
C6+ BTU/CF 5065.8, C6+ lbm/Gal 5.6425, and C6+ Mol.Wt. 92.00.		

DISCLAIMER

All analyses are based solely on samples and materials supplied to Southern Hydrocarbon Corporation by the client. Southern Hydrocarbon Corporation, its officers and employees assume no responsibility for and make no warranty as to the productivity, proper operations, or profitability of any gas well or any well or other operations or facilities in connection with which these analyses are relied upon. Southern Hydrocarbon Corporation makes no warranty as to the accuracy of the analysis. These analyses reflect the best judgement by Southern Hydrocarbon Corporation.

Client: Eastern States Oil and Gas
Well/Site Name: Meter St. # 1122 801122
Date: 10-07-97
Time: 1200 HOURS
Pressure: 151 PSIG

Remarks: Fax to Curt Dinton
Jun. 10. 2005 9:52AM Equitable Production

Equitable Production Company
Case No. 2005-00160
Response to Set 2 Item 4-d

District	Meter ID	Meter Name	BTU
Pikeville	801028	Logan Damron	1.2956
Pikeville	801120	Stafford, Kirk, Simp	1.2026
Pikeville	822799	Arthure Kirk 3	1.2409
Pikeville	800946	Tolers Creek	1.2960
Pikeville	808130	Law Heirs A 31	1.3138
Pikeville	808102	Rafliff & Tackett	1.2689
Pikeville	808085	Angie Meyers	1.2578
Pikeville	835734	Buffolo	1.2891
Pikeville	822797	J M Cassell 2, 3	1.1904
Pikeville	833383	Blackberry Compressor	1.1503
Pikeville Canada	834654	Canada TCO 1 & @ Sal	1.1280
Pikeville PikeWest	835559	Pike West	1.2400