

Commonwealth of Kentucky
Before the Public Service Commission

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JUL 14 2014

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COMMISSION

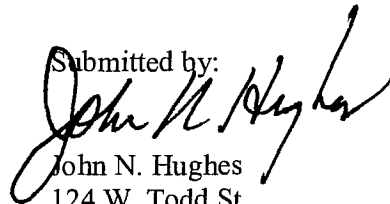
In the Matter of:

Charles E. Hardin, Jr., Individually and)
Charles E. Hardin, Jr., Magoffin County)
Judge Executive O/B/O the Magoffin) Case No. 2014-00038
County Fiscal Court and Consumers)
of Magoffin County Receiving Natural)
Gas Services from Kentucky Frontier)
Gas, LLC)

**KENTUCKY FRONTIER GAS RESPONSES TO
COMMISSION STAFF'S INITIAL REQUEST FOR INFORMATION**

Kentucky Frontier Gas, LLC, (Frontier) by counsel, submits its responses to the Commission Staff's initial request for information.

Submitted by:

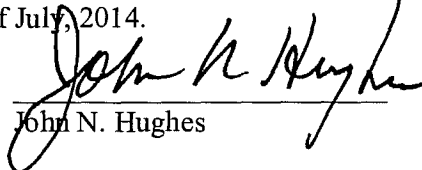


John N. Hughes
124 W. Todd St.
Frankfort, KY 40601
PH 502 227 7270
jnhughes@fewpb.net

Attorney for Kentucky Frontier
Gas Company, LLC

Certificate of Service:

I certify that a copy of this response was served on Gregory Allen, Box 585, Salyersville, KY 41465, by first class mail the 14th day of July, 2014.


John N. Hughes

DECLARATION OF STEVEN SHUTE

I, Steven Shute, am a Member of Kentucky Frontier Gas, LLC, the Respondent in the referenced matter. I have read the Responses and I have full authority to sign this declaration. The facts set forth therein are true and correct to the best of my knowledge, information and belief.

Pursuant to KRS 523.020-040, I certify under penalty of false swearing that the foregoing is true and correct.

Dated this 10th day of July, 2014.

A handwritten signature in black ink, appearing to read 'S. Shute', is written over a horizontal line.

Steven Shute, Member,
Kentucky Frontier Gas, LLC

1. Refer to the Pipeline Safety Branch Incident Report ("Incident Report-1"), dated February 5, 2014, pertaining to Frontier's loss of service to customers located on the Cow Creek system in Salyersville, Kentucky.

Witness: Shute

a. Frontier states that there were 203 customers who lost service, with "40 or more people off for 4 hours or more." What was the maximum time that these customers were without service during this period? Provide details about how customers who were without service for 4 hours or more were addressed.

Company Response: Over the period January 6-8 there were about 203 customers reporting outages in Sigma around Salyersville, in the areas of Highway 40, Dixie, East Maple, Coal Branch and Mash Fork. On January 7 a section along Highway 40 northeast of Salyersville was shut off to pre-empt the total loss of all customers around Salyersville, which appeared to be imminent in the opinion of the field personnel. With about 88 interrupted customers, the Sigma system pressure recovered overnight and the Highway 40 section and most customers were restored the next morning.

Customers were contacted, restored and re-lit as the system pressure came back. The length of outage varied from a couple of hours to overnight (for most) to 30 hours for about 20 meters in Coal Branch.

b. Under the Corrective Action section of Incident Report-1, Frontier states that its "long term solution" to the problem is to add a more reliable gas supplier into Magoffin County and that "[a]s of this date, we have made arrangements with EQT for a new tie in that should supply adequate volumes to minimize this issue happening in the future." Has this tie in with EQT been made? When was it made? If tie in has not been made, explain when it will be made.

Company Response: Immediately after the initial pre-emptive outage along Rte 40, Frontier made a request to EQT on January 8 to restore a KWV delivery meter that was used in the past. That pipeline delivery is on the western side of Auxier Road Gas, which can supply gas into DLR to the Sigma and BTU systems. The KWV station piping is still there, but the meter is gone and the station needs upgrading. When the sustained "Polar Vortex" hit in late January, EQT / KWV was dealing with operational problems of its own and could not act immediately. Frontier is working with EQT to rebuild and restore this delivery by the upcoming heating season 2014-15.

c. The outages described occurred in the Cow Creek area in Salyersville. What other areas of Frontier's operations were without adequate gas supply during the January 6, 2014, to January 8, 2014 period?

Company Response: No others were reported.

2. Refer to the Pipeline Safety Branch Incident Report ("Incident Report-2"), dated February 21, 2014, pertaining to Frontier's loss of service to customers from the evening hours of January 23, 2014, until the late afternoon of January 24, 2014.

Witness: Shute

a. Frontier estimates that there were 40-50 customers who did not have service during this period. What was the maximum period that these customers were without service? Provide details about how customers who lost service during this period were addressed.

Company Response: The outages were spotty around Salyersville and not widespread, and mostly just for a few hours in the peak morning period. The number of outages was an estimate from the number of phone calls fielded and far below the 150 figure reported to PSC by Magoffin County officials.

Customers were contacted, restored and re-lit as the system pressure came back. The length of outage varied from a few hours for most customers to 12 hours in Coal Branch.

b. Frontier states that its long-term solution to this problem is to add a more reliable gas supplier in Magoffin County and that "[w]e have made arrangements with EQT for a new tie in that should supply adequate volumes to minimize this issue happening in the future." Is this tie in with EQT the same as that listed under the corrective action section of Incident Report-1? Will this tie in be specific to the provision of additional gas supply for the Cow Creek area in Salyersville or is it more general to the entire Frontier system?

Company Response: This is the same EQT – KWV delivery west of US 23. The Auxier system has adequate supply capacity from Columbia in 2 locations farther east near the largest users. This additional KWV delivery is not necessary for Auxier and is only needed for Sigma and BTU in the Salyersville area.

3. Other than the long-term solution of an additional tie in with EQT, list any other steps Frontier has taken or is considering to prevent another gas supply shortage should conditions similar to those of the 2013-2014 heating season occur in the future?

Witness: Shute

Company Response: Frontier operates a small compressor station on Burning Fork Road east of Salyersville in the middle of the Sigma system. This compressor was installed by the former owner of Cow Creek-Sigma-DLR and can deliver excess gas to Jefferson Gas. That export point and compressor are not used in the winter when there is no excess gas, and in fact Frontier received supplemental gas from Jefferson at a different but nearby location.

Frontier will reconfigure this compressor to boost gas from Auxier and DLR to the west to Sigma and BTU in the Salyersville area. Company analyses indicate the reinstated KWV delivery point will have more effect, but these two changes will increase the supply of gas from Auxier into Salyersville from roughly 500 mcf/d to 1000 mcf/d.

4. Describe what efforts Frontier has made to identify additional sources of supply to supplement Frontier's reliance on locally producing wells. If not being done, explain why.

Witness: Shute

Company Response: Frontier's experience with local producers and local wells is dismal. There are thousands of wells in Magoffin County, but most locally produced gas exceeds the H₂S specification for sour gas to customers and the wells are limited in capacity. As the Commission is well aware, many of the local producers have very sketchy histories and frequent legal proceedings with investors, due to unmet expectations or worse.

Last winter featured some of the worst and prolonged weather in decades and the performance of the local wells and their various producers was quite disappointing to the Company. Wells froze off and went down; 200 mcf promises became 80 or zero; and several pumpers just stayed indoors and made no effort to restore their wells. The shortfall in supply was never more than 100 mcf, and could have been prevented by *any* single supplier stepping up.

Frontier installed a new delivery into BTU from the Licking River Gas System in December. Delivery capacity from one local producer was promised to be 200-500 mcf per the attached email, but was only capable of 80 mcf in the critical period. In February, 2014 that producer delivered only 2,121 mcf or about 76 mcf. Attached are the delivery records showing wells averaging over 200 mcf for a 5 month period. The total volume from those wells would potentially provide 1,639 mcf, but during the coldest period of 2014, actual deliveries did not exceed 87 mcf. Gas purchased from Thompson in January, 2013 was 1,526 mcf.

Purchases from Jefferson Gas Transmission in January, 2013 were 4,426 mcf and in January, 2014 only 2,969 mcf.

Purchases from Nytis in January, 2013 were 3,686 mcf and in January, 2014 only 1,932 mcf.

The purchases from Jefferson and Nytis were a combined 100 mcf less than 2013 and when added to the 100 mcf shortfall from Thompson created the supply problem.

In summary:

For Jan 6-7-8, 2014 - the first blast of Polar Vortex:

- Temperatures fell from 50F to -4F
- Nytis Dickerson well made 20 MCF in 3 days versus 60 mcf in January of 2013
- Thompson Rte 30 supply was on, but produced only 75 mcf versus 200+ expected

- Jefferson was 109 mcf for this period versus 180 mcf a few days before; 200 mcf in past peaks; and 140 mcf for all of January, 2013

For Jan 23-24-25 – the second blast:

- low temperatures were –4F and single digit several nights
- Nytis Dickerson well made 7 mcf in 3 days versus 60 mcf in January, 2013
- Thompson was about 80 mcf versus 200 mcf promised
- Jefferson was 80 mcf for this period versus 200 mcf in past annual peaks

For Jan 27-28-29-30 – the third blast

- temperatures were not as severe, 5-15F lows several nights
- Nytis Dickerson well was essentially off
- Thompson was 80 mcf
- Jefferson was 200 mcf for this period as in the past and Sigma was in far better shape

On any of these dismal peak days, the shortfall was less than 100 mcf, which could and should have been made up by Thompson or Jefferson by themselves and Nytis Dickerson well was 2/3 of that.

Sigma had relied in the past on supplemental gas through the Jefferson pipeline (which is mostly local gas), but that delivery nearly went to zero as their producer-suppliers also failed. See attached daily volumes from January & February 2014, which show erratic and lower deliveries in the critical periods, compared with more uniform volumes in January 2013. From this widespread and complete failure when it really mattered, Frontier has determined that it cannot and will not rely upon local production. This gathering system has been operated by various characters and has been the subject of litigation for several years and is now in the hands of new ownership from outside Magoffin County. The delivery station is still active and Frontier will evaluate whether anything has in fact changed for next winter. If LRGS and its connected wells are operated properly, this single delivery could easily solve the supply shortfall around Salyersville.

Audit Trail Report (Without Summary)

Report Name: Audit Trail Report (Without Summary)

Report Date: 2/28/2014

Report Selections: 1 site, Last 45 Days

Site Name: rt 30 thompson

Site Id: 13055790-0

Site Location: rt 30

Date	Time	Incremental Cor Vol	Incremental Unc Vol	Interval Avg Pressure	Interval Avg Temp	Log Trigger
		CFx100	CFx10	PSIG	F	
1/28/2014	10:26:32PM	814	2667	27.09	25.40	Mag
1/29/2014	12:00:00AM	863	2835	26.95	25.20	Time
1/29/2014	9:46:33AM	297	1187	19.29	19.67	Mag
1/29/2014	9:47:33AM	297	1189	19.28	19.69	Mag
1/30/2014	12:00:00AM	777	2906	22.12	26.94	Time
1/30/2014	3:44:51PM	534	1863	24.96	29.27	Mag
1/30/2014	3:45:27PM	535	1864	24.96	29.27	Mag
1/31/2014	12:00:00AM	779	2515	28.17	30.32	Time
2/1/2014	12:00:00AM	803	2138	37.54	34.17	Time
2/2/2014	12:00:00AM	559	1451	39.44	39.69	Time
2/3/2014	12:00:00AM	532	1343	40.56	36.55	Time
2/3/2014	11:08:13AM	390	984	40.16	31.70	Mag
2/4/2014	12:00:00AM	905	2286	40.15	32.51	Time
2/5/2014	12:00:00AM	948	2463	38.74	33.93	Time
2/6/2014	12:00:00AM	879	2371	36.83	33.94	Time
2/7/2014	12:00:00AM	751	2278	31.07	32.21	Time
2/7/2014	12:18:19PM	375	1179	29.35	30.76	Mag
2/8/2014	12:00:00AM	709	2251	28.94	30.85	Time
2/9/2014	12:00:00AM	512	1546	31.28	32.36	Time
2/10/2014	12:00:00AM	452	1232	36.23	33.39	Time
2/11/2014	12:00:00AM	524	1462	34.76	30.68	Time
2/12/2014	12:00:00AM	581	1756	31.04	30.06	Time
2/13/2014	12:00:00AM	752	2077	35.41	31.59	Time
2/14/2014	12:00:00AM	699	1768	40.29	34.96	Time
2/14/2014	2:35:19PM	524	1386	38.23	37.74	Mag
2/14/2014	2:35:37PM	524	1387	38.23	37.75	Mag
2/15/2014	12:00:00AM	705	1847	38.83	38.27	Time
2/16/2014	12:00:00AM	847	2225	38.06	32.61	Time
2/17/2014	12:00:00AM	800	2264	34.46	34.43	Time
2/18/2014	12:00:00AM	736	2030	36.07	36.87	Time
2/19/2014	12:00:00AM	656	1674	40.51	41.07	Time

2005.9

NYTIS

EXPLORATION COMPANY

Invoice # 1403012
 Invoice Date 3/27/2014
 Shipment Month Jan-14

Bill To

 Cow Creek Gas Company, Inc.
 Sigma Customers
 2963 KY RT 321
 PO Box 408
 Prestonsburg, KY 41653

Contact Information

 Franklin Fletcher
 Sales & Accounting Manager
 ffletcher@nytisky.com
 Telephone (859) 299-0771
 EXT 314

Appalachia Price Index \$ 4.23

Description	MCF		Btu Factor	DTH	Price	Amount
	Beginning Meter Reading	Ending Meter Reading				
Roger Spradlin #1	11,533.522460	11,734.425780	200.90	1.096199	220.23	\$745.26
Anne Dickerson	151,845.078100	151,943.578100	98.50	1.096199	107.98	\$365.39
Lowell Rice Master	31,801.585940	32,325.352895	523.77	1.096199	574.15	\$1,942.93
Caleb Whitaker Master	72,256.562500	73,484.218750	1,227.66	1.096199	1,345.76	\$4,554.04
Harold Green Master	10,544.954100	10,678.194340	133.24	1.096199	146.06	\$494.26
Total	277,981.703100	280,165.769865	2,184.07	1.096199	2,394.17	\$8,101.88
Delivered to Jefferson at Grover Arnett meter			-38.71	1.096197	(42.44)	-\$143.60
Total Amount Due Nytlis Exploration			2,145.36	1.096197	2,351.73	\$7,958.26
Total						\$7,958.26
Less prepayments						\$0.00
Balance Due						\$7,958.26

Purchase total	3162
Sales Total	1175
Shrink	1987
Average Shrink % cap of 10%	62.84% 10.00%

Total Amount Due Nytlis Exploration	2,145.36	1.096197	2,351.73	\$3.38400	\$7,958.26
less Shrink	10.00%				
Credit due Kentucky Frontier	214.54	1.096197	235.17	\$3.38400	\$795.83
Less Credit from previous months	-	1.096197	-		\$0.00
Net Amount Due Nytlis Exploration	1,930.82	1.096197	2,116.56	\$3.38400	\$7,162.43

Phone (859) 299-0771

2480 Fortune Drive Suite 300

Lexington, KY 40509

Daily Log Download

Device/Meter Name: ROGER SPRADLIN # 1
 Company Name: INTERSTATE NAT GAS
 Site/Well Name: DECEMBER 13 2007
 Field/Lease Name: ROGER SPRADLIN # 1
 Location Name: FLOYD CO.
 Legal Description: CEDAR ESTATES @ ABBOTT CR.

Downloaded on: 02/12/2014 13:36:54
 ModWorX Pro: 3.2.0
 Firmware: 3.04
 Board ID: 0

Rec	Timestamp	Differential Pressure (In H2O)	Static Pressure (G) (PSIG)	Flow Run 1 Plate Size (Inches)	Flow Run 1 Volume (MCF)	Flow Run 1 Grand Total (MCF)
131	1/1/2014 10:00	8.178442001	27.3901062	0.25	6.853082657	11540.37598
132	1/2/2014 10:00	6.108032227	32.91230392	0.25	6.295562744	11546.67188
133	1/3/2014 10:00	8.356007576	29.10244179	0.25	7.010374546	11553.68164
134	1/4/2014 10:00	9.370479584	22.51857376	0.25	6.063418102	11560.54492
135	1/5/2014 10:00	7.574643135	26.1801548	0.25	6.509840965	11567.05566
136	1/6/2014 10:00	6.048327923	34.14608002	0.25	6.30318737	11573.3584
137	1/7/2014 10:00	10.65108967	20.52920914	0.25	7.041223526	11580.39941
138	1/8/2014 10:00	8.296068192	22.06703750	0.25	6.309463978	11586.70898
139	1/9/2014 10:00	6.343678474	29.82587433	0.25	5.220136166	11592.92969
140	1/10/2014 10:00	5.799956379	35.33393478	0.25	6.283998966	11599.21289
141	1/11/2014 10:00	5.476907253	37.80092239	0.25	6.292627335	11605.50586
142	1/12/2014 10:00	5.649350643	39.02561188	0.25	6.454875946	11611.96094
143	1/13/2014 10:00	5.987419605	37.23407745	0.25	6.526762009	11618.4873
144	1/14/2014 10:00	5.568274021	37.85396576	0.25	6.348415375	11624.83594
145	1/15/2014 10:00	5.840193272	38.33131409	0.25	6.514632702	11631.35059
146	1/16/2014 10:00	6.404098511	34.66452789	0.25	6.577092171	11637.92773
147	1/17/2014 10:00	6.010201454	35.42955399	0.25	6.434523582	11644.3623
148	1/18/2014 10:00	7.102231026	32.14065552	0.25	6.745050907	11651.10742
149	1/19/2014 10:00	6.498087406	32.13735962	0.25	6.464963913	11657.57227
150	1/20/2014 10:00	6.409534454	33.64109421	0.25	6.524002075	11664.0957
151	1/21/2014 10:00	5.878695011	36.21475983	0.25	6.401070118	11670.49707
152	1/22/2014 10:00	7.399860382	30.28357124	0.25	6.742663383	11677.24023
153	1/23/2014 10:00	7.270310402	27.52347565	0.25	6.475690365	11683.71582
154	1/24/2014 10:00	8.876444817	21.86762428	0.25	6.628091335	11690.34375
155	1/25/2014 10:00	7.137019634	25.83144951	0.25	6.258967876	11696.60254
156	1/26/2014 10:00	7.195238113	28.96992111	0.25	6.550281048	11703.15332
157	1/27/2014 10:00	5.460457325	34.94391251	0.25	6.079094887	11709.23242
158	1/28/2014 10:00	6.298815727	33.78508759	0.25	6.4672966	11715.69922
159	1/29/2014 10:00	6.593060017	31.59295845	0.25	6.449943542	11722.14941
160	1/30/2014 10:00	5.933388233	33.26403427	0.25	6.234888554	11728.38379
161	1/31/2014 10:00	4.982239723	39.01507187	0.25	6.04154253	11734.42578

200.9027653

Daily Log Download

Device/Meter Name: Lowell Rice Master
 Company Name: Interstate
 Site/Well Name: Lowell Rice Master
 Field/Lease Name: Frontier
 Location Name: Coal Branch
 Legal Description: Magoffin Co.

Downloaded on: 03/11/2014 14:36:16
 ModWorX Pro: 3.2.0
 Firmware: 3.04
 Board ID: 0

Rec	Timestamp	Differential Pressure (In H2O)	Static Pressure (G) (PSIG)	Flow Run 1 Plate Size (Inches)	Flow Run 1 Volume (MCF)	Flow Run 1 Grand Total (MCF)
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462	2/2/2014 10:00	3.843099594	38.09294128	0.375	12.04122448	32350.12891
463	2/3/2014 10:00	5.546001434	35.58840942	0.375	14.14848042	32364.27734
464	2/4/2014 10:00	6.413481236	30.63712883	0.375	14.55099201	32378.82813
465	2/5/2014 10:00	6.032018661	29.37347031	0.375	13.94279671	32392.77148
466	2/6/2014 10:00	7.899735928	26.01800537	0.375	14.00091457	32406.77344
467	2/7/2014 10:00	7.847779751	23.97153091	0.375	14.50765896	32421.2793
468	2/8/2014 10:00	5.719663143	23.29550743	0.375	12.43054008	32433.71094
469	2/9/2014 10:00	3.777951002	32.69055557	0.375	11.34825516	32445.05859
470	2/10/2014 10:00	4.329214573	33.76553726	0.375	12.38323975	32457.44141
471	2/11/2014 10:00	8.480846405	28.10730553	0.375	15.18234062	32472.625
472	2/12/2014 10:00	6.375100136	28.51057434	0.375	11.21974659	32483.84375
473	2/13/2014 10:00	6.12563324	34.93022537	0.375	14.6117878	32498.45703
474	2/14/2014 10:00	6.837086578	31.67651939	0.375	14.69210339	32513.14844
475	2/15/2014 10:00	4.01304245	34.10063553	0.375	11.74202347	32524.89063
476	2/16/2014 10:00	9.153851509	25.83368874	0.375	16.06295204	32540.95313
477	2/17/2014 10:00	4.694092751	26.43185806	0.375	11.61462498	32552.56836
478	2/18/2014 10:00	5.295490742	33.71483994	0.375	13.04207611	32565.60938
479	2/19/2014 10:00	4.788219452	35.08800125	0.375	13.07485962	32578.68555
480	2/20/2014 10:00	5.382473946	34.39362717	0.375	13.62779427	32592.3125
481	2/21/2014 10:00	3.931148767	37.01364899	0.375	12.05350399	32604.36523
482	2/22/2014 10:00	6.14864254	33.77847672	0.375	14.570014	32618.93555
483	2/23/2014 10:00	5.236464024	33.08781052	0.375	13.29178715	32632.22852
484	2/24/2014 10:00	6.136646271	32.38376999	0.375	14.07531738	32646.30273
485	2/25/2014 10:00	3.380315781	35.72712708	0.375	11.04656029	32657.34961
486	2/26/2014 10:00	4.048296452	38.25457382	0.375	12.4236927	32669.77344
487	2/27/2014 10:00	5.469722740	34.61008835	0.375	13.34605217	32683.11914
488	2/28/2014 10:00	5.33795023	33.96858978	0.375	12.6703434	32695.78906

→ 32325.352845

~~370.43667~~

32 325.352895
 31 801.585940

 523 766855

Daily Log Download

Device/Meter Name: CALEB WHITAKER MTR
 Company Name: INTERSTATE NAT GAS
 Site/Well Name: ELK 5-6-7
 Field/Lease Name: CALEB WHITAKER MM
 Location Name: FLOYD CO.
 Legal Description: STATE RD, FK. @ HOLBROOK HOLLOW

Downloaded on: 02/12/2014 13:22:43
 ModWork Pro: 3.2.0
 Firmware: 3.04
 Board ID: 0

Rec	Timestamp	Differential Pressure (In H2O)	Static Pressure (G) (PSIG)	Flow Run 1 Plate Size (Inches)	Flow Run 1 Volume (MCF)	Flow Run 1 Grand Total (MCF)
586	1/1/2014 10:00	20.30984497	28.08908272	0.5	43.69878769	72300.25781
587	1/2/2014 10:00	15.44595432	33.5268898	0.5	40.40050888	72340.66406
588	1/3/2014 10:00	18.88522339	29.73424911	0.5	42.68379974	72383.34375
589	1/4/2014 10:00	23.33642387	23.24916077	0.5	43.97208023	72427.3125
590	1/5/2014 10:00	19.38667107	26.8417511	0.5	42.05605316	72469.375
591	1/6/2014 10:00	14.28880024	34.75577164	0.5	39.3562851	72508.72656
592	1/7/2014 10:00	21.93164063	21.16062737	0.5	41.11275482	72549.84375
593	1/8/2014 10:00	20.83885384	22.74051476	0.5	40.88631058	72590.72656
594	1/9/2014 10:00	15.64327335	30.43393135	0.5	39.42905045	72630.15625
595	1/10/2014 10:00	13.24265385	35.92382813	0.5	38.5676918	72668.72656
596	1/11/2014 10:00	12.37529087	38.38817215	0.5	38.19569016	72706.92188
597	1/12/2014 10:00	12.45699883	39.62509918	0.5	38.72312927	72745.64063
598	1/13/2014 10:00	13.13682175	37.82999802	0.5	39.09280777	72784.73438
599	1/14/2014 10:00	12.70310402	38.45524597	0.5	38.72264099	72823.46094
600	1/15/2014 10:00	12.83133698	38.93776703	0.5	39.03904724	72862.5
601	1/16/2014 10:00	14.14981842	35.25267029	0.5	39.39614105	72901.89063
602	1/17/2014 10:00	13.71043301	36.02445984	0.5	39.2769165	72941.17188
603	1/18/2014 10:00	15.55457306	32.73552322	0.5	40.37015533	72981.53906
604	1/19/2014 10:00	15.14783573	32.73338318	0.5	39.87889481	73021.42188
605	1/20/2014 10:00	14.51215172	34.2303772	0.5	39.6672842	73061.08594
606	1/21/2014 10:00	13.07477379	36.79563522	0.5	38.60794067	73099.69531
607	1/22/2014 10:00	15.35313225	30.82958221	0.5	39.29832077	73138.99219
608	1/23/2014 10:00	17.88865662	28.13958549	0.5	41.11522293	73180.10938
609	1/24/2014 10:00	21.41320419	22.50894165	0.5	41.78302383	73221.89063
610	1/25/2014 10:00	17.88789177	26.39799118	0.5	40.0260849	73261.91406
611	1/26/2014 10:00	15.9979229	29.47881126	0.5	39.45640945	73301.375
612	1/27/2014 10:00	12.67576313	35.45826721	0.5	37.33249664	73338.70313
613	1/28/2014 10:00	12.74571228	34.26594925	0.5	37.17898941	73375.88281
614	1/29/2014 10:00	12.03200531	32.01170349	0.5	35.2061348	73411.09375
615	1/30/2014 10:00	12.08193703	33.7649765	0.5	37.16717148	73448.25781
616	1/31/2014 10:00	10.79462814	39.52914429	0.5	35.9603653	73484.21875

1227.668634

Daily Log Download

Device/Meter Name: HAROLD GREEN MASTER
 Company Name: INTERSTATE NAT GAS
 Site/Well Name: MARCH 28 2008
 Field/Lease Name: HAROLD GREEN MASTER
 Location Name: FLOYD CO.
 Legal Description: ABBOTT CREEK

Downloaded on: D2/12/2014 13:53:16
 ModWorX Pro: 3.2.0
 Firmware: 3.04
 Board ID: 0

Rec	Timestamp	Differential Pressure (In H2O)	Static Pressure (G) (PSIG)	Flow Run 1 Plate Size (Inches)	Flow Run 1 Volume (MCF)	Flow Run 1 Grand Total (MCF)
136	1/1/2014 10:00	7.666854858	27.74904442	0.25	6.629348278	10551.58398
137	1/2/2014 10:00	9.469917297	32.25035477	0.25	4.866941929	10556.45117
138	1/3/2014 10:00	7.522958755	29.51374435	0.25	6.672381401	10563.12305
139	1/4/2014 10:00	7.834236145	22.81122017	0.25	6.254893303	10569.37793
140	1/5/2014 10:00	6.246722221	26.57443428	0.25	5.90685606	10575.28516
141	1/6/2014 10:00	15.63871002	31.78183937	0.25	3.785793781	10579.07031
142	1/7/2014 10:00	9.292221069	20.66101456	0.25	6.588349342	10585.65918
143	1/8/2014 10:00	6.236989498	22.24461937	0.25	5.446883678	10591.10547
144	1/9/2014 10:00	4.900528908	30.22241592	0.25	5.457300186	10596.56348
145	1/10/2014 10:00	3.812232018	35.21855927	0.25	1.605006218	10598.16797
146	1/11/2014 10:00	0.361880362	38.06715993	0.25	0	10598.16797
147	1/12/2014 10:00	0.361030638	39.27194977	0.25	0	10598.16797
148	1/13/2014 10:00	0.33434841	37.45454407	0.25	0	10598.16797
149	1/14/2014 10:00	0.350759119	38.11845398	0.25	0	10598.16797
150	1/15/2014 10:00	0.353121847	38.58361435	0.25	0	10598.16797
151	1/16/2014 10:00	17.58264542	33.64324188	0.25	2.756310225	10600.9248
152	1/17/2014 10:00	19.41387550	34.18112564	0.25	0.448873252	10601.37305
153	1/18/2014 10:00	29.71950912	32.02004242	0.25	8.477452278	10609.85059
154	1/19/2014 10:00	10.8467617	32.76623535	0.25	8.322441101	10618.17285
155	1/20/2014 10:00	8.09444046	34.17300797	0.25	7.311271667	10625.48438
156	1/21/2014 10:00	5.982596397	35.02280807	0.25	0.458391905	10625.94336
157	1/22/2014 10:00	15.65228176	30.77829361	0.25	8.938972473	10634.88184
158	1/23/2014 10:00	8.55116272	28.0219574	0.25	7.024506569	10641.90625
159	1/24/2014 10:00	8.892028809	22.2969799	0.25	6.656198502	10648.56225
160	1/25/2014 10:00	5.930996418	26.45575523	0.25	5.716459274	10654.2793
161	1/26/2014 10:00	6.08391571	29.62065887	0.25	6.042211533	10660.32129
162	1/27/2014 10:00	5.002628326	31.01903534	0.25	1.704788327	10662.02637
163	1/28/2014 10:00	29.36334229	33.38116837	0.25	3.428128719	10665.4541
164	1/29/2014 10:00	7.504339695	32.06667709	0.25	6.877164364	10672.33105
165	1/30/2014 10:00	7.861299515	33.22208132	0.25	5.208323002	10677.54004
166	1/31/2014 10:00	4.695488453	33.66605377	0.25	0.65474534	10678.19434

NYTIS

EXPLORATION COMPANY

Invoice #	1302012
Invoice Date	2/21/2013
Shipment Month	Jan-13

<p>Bill To</p> <p>Cow Creek Gas Company, Inc. Sigma Customers 2963 KY RT 321 PO Box 408 Prestonsburg, KY 41653</p>

<p>Contact Information</p> <p>Franklin Fletcher Sales & Accounting Manager ffletcher@nytisky.com Telephone (859) 299-0771 EXT 314</p>

Appalachia Price Index \$ 3.22

Description	Beginning Meter Reading	Ending Meter Reading	MCF	Btu Factor	DTH	Price	Amount
			Volume			80% of Index	
Roger Spradlin #1	9,359.850586	9,530.194336	170.34	1.096199	186.73	\$2.57600	\$481.02
Anne Dickerson	136,544.593800	138,089.437500	1,544.84	1.096199	1,693.46	\$2.57600	\$4,362.34
Lowell Rice Master	23,734.712890	24,541.162110	806.45	1.096199	884.03	\$2.57600	\$2,277.26
Caleb Whitaker Master	58,308.015630	59,472.484380	1,164.47	1.096199	1,276.49	\$2.57600	\$3,288.24
Total	227,947.172906	231,633.278326	3,686.11	1.096199	4,040.71	\$2.57600	\$10,408.86
Delivered to Jefferson at Grover Arnett meter			0.00	1.096197	-	\$2.57600	\$0.00
Total Amount Due Nytlis Exploration 499			3,686.11	1.096197	4,040.70	\$2.57600	\$10,408.83
Total							\$10,408.83
Less prepayments							\$0.00
Balance Due							\$10,408.83

APPROVED FOR PAYMENT

Date: 03/26/13 By: [Signature]

District	Account #	Amount
01	KFG	10,408.83
02		
03		
04		
07		
08		
09		
10		
11		
12		
Total		10,408.83

Phone (859) 299-0771

2480 Fortune Drive Suite 300

Lexington, KY 40509

Daily Log Download

Device/Meter Name: ROGER SPRADLIN # 1
 Company Name: INTERSTATE NAT GAS
 Site/Well Name: DECEMBER 13 2007
 Field/Lease Name: ROGER SPRADLIN # 1
 Location Name: FLOYD CO,
 Legal Description: CEDAR ESTATES @ ABBOTT CR.

Downloaded on: 02/13/2013 12:47:16
 ModWorX Pro: 4.0.6
 Device Type: Scanner 2000
 Firmware: 3.04
 Board ID: 0

Rec.	Timestamp	Differential Pressure (In/H2O)	Static Pressure (G) (PSIG)	Flow Run 1 Plate Size (Inches)	Flow Run 1 Volume (MCF)	Flow Run 1 Grand Total (MCF)
542	1/1/2013 10:00	7.106027603	32.99779129	0.25	6.809726238	9366.661133
543	1/2/2013 10:00	6.798018932	34.65665436	0.25	6.791577339	9373.452148
544	1/3/2013 10:00	8.127215385	31.19639206	0.25	7.146690369	9380.598633
545	1/4/2013 10:00	8.887651443	27.63499832	0.25	7.158366203	9387.757813
546	1/5/2013 10:00	7.082696438	31.2917881	0.25	6.622075558	9394.379883
547	1/6/2013 10:00	5.674859047	36.80061142	0.25	6.334437847	9400.713867
548	1/7/2013 10:00	5.957501888	38.5513916	0.25	6.60742712	9407.321289
549	1/8/2013 10:00	6.20850563	38.2170639	0.25	6.692376137	9414.013672
550	1/9/2013 10:00	5.843233109	38.19817352	0.25	6.510612965	9420.524414
551	1/10/2013 10:00	5.173450947	41.70399475	0.25	6.336010933	9426.860352
552	1/11/2013 10:00	4.578989983	42.91179657	0.25	1.745177507	9428.605469
553	1/12/2013 10:00	0.30250296	63.44636154	0.25	0	9428.605469
554	1/13/2013 10:00	0.290127188	64.0920105	0.25	0	9428.605469
555	1/14/2013 10:00	0.282587498	65.06520081	0.25	0	9428.605469
556	1/15/2013 10:00	42.37613678	49.85046387	0.25	6.005711555	9434.611328
557	1/16/2013 10:00	10.76764107	39.96121979	0.25	8.957372665	9443.568359
558	1/17/2013 10:00	8.124447823	38.70288049	0.25	7.723601927	9451.291992
559	1/18/2013 10:00	8.052479744	36.69566727	0.25	7.530761242	9458.823242
560	1/19/2013 10:00	7.967828274	34.76638794	0.25	7.338535786	9466.161133
561	1/20/2013 10:00	6.767255306	36.74209976	0.25	6.902987957	9473.064453
562	1/21/2013 10:00	6.682090759	38.63212204	0.25	6.961293221	9480.025391
563	1/22/2013 10:00	8.024358749	32.46374893	0.25	7.171445847	9487.197266
564	1/23/2013 10:00	8.091514587	30.09138107	0.25	7.036618233	9494.234375
565	1/24/2013 10:00	7.792695999	29.87711334	0.25	6.981136398	9501.134766
566	1/25/2013 10:00	7.185647488	32.30316925	0.25	6.748924255	9507.883789
567	1/26/2013 10:00	7.515525818	31.33836174	0.25	6.891762257	9514.775391
568	1/27/2013 10:00	8.007674217	29.79585075	0.25	6.983222485	9521.758789
569	1/28/2013 10:00	6.400965891	33.47490311	0.25	6.497193336	9528.255059
570	1/29/2013 10:00	4.202366352	40.25491333	0.25	1.938624501	9530.194336
571	1/30/2013 10:00	0.299657464	62.83216095	0.25	0	9530.194336
572	1/31/2013 10:00	0.27754882	64.90370941	0.25	0	9530.194336

Daily Log Download

Device/Meter Name: DICKERSON CHECK
 Company Name: INTERSTATE NAT GAS
 Site/Well Name: JULY 25 2008
 Field/Lease Name: DICKERSON CHECK
 Location Name: FLOYD CO.
 Legal Description: STATE RD. FORK

Downloaded on: 02/13/2013 12:31:43
 ModWorX Pro: 4.0.6
 Device Type: Scanner 2000
 Firmware: 3.04
 Board ID: 0

Rec#	Timestamp	Differential Pressure (InH2O)	Static Pressure (G) (PSIG)	Flow Run 1 Plate Size (Inches)	Flow Run 1 Volume (MCF)	Flow Run 1 Grand Total (MCF)
574	1/1/2013 10:00	5.649055004	33.44520187	0.75	58.31145859	136602.9063
575	1/2/2013 10:00	5.372097492	35.10863113	0.75	57.86592484	136660.7656
576	1/3/2013 10:00	6.072922707	31.61686134	0.75	59.26037979	136720.0313
577	1/4/2013 10:00	6.679935932	28.03647232	0.75	59.6227417	136779.6563
578	1/5/2013 10:00	5.73349905	31.6587162	0.75	57.56529236	136837.2188
579	1/6/2013 10:00	4.867128372	37.34727097	0.75	56.20741653	136893.4219
580	1/7/2013 10:00	4.762185097	39.01430893	0.75	56.61073303	136950.0313
581	1/8/2013 10:00	4.837319374	38.67602539	0.75	56.76874542	137006.8125
582	1/9/2013 10:00	4.771173954	38.6597023	0.75	56.42943954	137063.2344
583	1/10/2013 10:00	4.325590134	42.18564987	0.75	55.51390839	137118.75
584	1/11/2013 10:00	3.878331661	45.99782944	0.75	54.33490753	137173.0938
585	1/12/2013 10:00	3.776490927	47.3657341	0.75	18.540205	137191.625
586	1/13/2013 10:00	3.02519083	47.39557648	0.75	9.149731636	137200.7813
587	1/14/2013 10:00	5.459270477	47.29153442	0.75	16.32297707	137217.0938
588	1/15/2013 10:00	5.420751469	45.35654831	0.75	63.88261032	137280.9844
589	1/16/2013 10:00	5.405614853	40.2844429	0.75	61.02523422	137342
590	1/17/2013 10:00	5.321026325	39.11555099	0.75	59.89509583	137401.9063
591	1/18/2013 10:00	5.500114918	37.11164856	0.75	59.69425964	137461.5938
592	1/19/2013 10:00	5.695683479	35.18747711	0.75	59.55752182	137521.1563
593	1/20/2013 10:00	5.265199184	37.18878937	0.75	58.37329865	137579.5313
594	1/21/2013 10:00	5.008004665	39.07940674	0.75	57.94214249	137637.4688
595	1/22/2013 10:00	5.760349274	32.87022781	0.75	58.2397995	137695.7031
596	1/23/2013 10:00	6.288778782	30.50455666	0.75	58.10933685	137753.8125
597	1/24/2013 10:00	2.789782047	27.57043457	0.75	3.708348513	137757.5313
598	1/25/2013 10:00	9.689789772	33.24481201	0.75	63.66215897	137821.1875
599	1/26/2013 10:00	6.554453373	31.76916504	0.75	61.69717407	137882.8906
600	1/27/2013 10:00	6.573926926	30.19216728	0.75	60.69610596	137943.5781
601	1/28/2013 10:00	5.716672421	33.90966797	0.75	58.8107872	138002.3906
602	1/29/2013 10:00	4.182835102	44.99173355	0.75	55.82974243	138058.2188
603	1/30/2013 10:00	4.095880985	46.90215302	0.75	7.622289181	138065.8438
604	1/31/2013 10:00	7.208251953	46.38516235	0.75	23.59897614	138089.4375

Daily Log Download

Device/Meter Name: Lowell Rice Master
 Company Name: Interstate
 Site/Well Name: Lowell Rice Master
 Field/Lease Name: Frontier
 Location Name: Coal Branch
 Legal Description: Nagoffin Co.

Downloaded on: 02/13/2013 09:46:32
 ModWorX Pro: 4.0.6
 Device Type: Scanner 2000
 Firmware: 3.04
 Board ID: 0

Rec	Timestamp	Differential Pressure (In H2O)	Static Pressure (G) (PSIG)	Flow Run 1 Plate Size (Inches)	Flow Run 1 Volume (MCF)	Flow Run 1 Grand Total (MCF)
108	1/1/2013 10:00	25.92866898	28.67710686	0.375	27.82968521	23762.54102
109	1/2/2013 10:00	22.69446945	31.14431763	0.375	27.37636757	23789.91797
110	1/3/2013 10:00	31.57507896	26.84301758	0.375	30.60661697	23820.52539
111	1/4/2013 10:00	36.3999939	22.164711	0.375	30.06962204	23850.59375
112	1/5/2013 10:00	17.62382698	22.32549286	0.375	2.732183218	23876.4668
113	1/6/2013 10:00	16.11304392	33.05683136	0.375	23.46344948	23899.93164
114	1/7/2013 10:00	20.85344315	33.65686035	0.375	26.75426102	23926.68555
115	1/8/2013 10:00	41.07542801	23.09826279	0.375	0.855329096	23936.88086
116	1/9/2013 10:00	24.51684189	33.9451828	0.375	28.32165337	23965.20117
117	1/10/2013 10:00	16.19137764	39.11175156	0.375	24.92486191	23990.12695
118	1/11/2013 10:00	12.54076672	44.29175949	0.375	23.19286919	24013.32031
119	1/12/2013 10:00	14.60705948	48.44018555	0.375	25.40518379	24038.72461
120	1/13/2013 10:00	19.98304559	51.9659462	0.375	24.21207619	24062.9375
121	1/14/2013 10:00	20.92863655	48.3085556	0.375	30.45633698	24093.39258
122	1/15/2013 10:00	23.23578072	41.96492767	0.375	30.86538124	24124.25781
123	1/16/2013 10:00	24.14288902	36.07328796	0.375	29.80726051	24154.06641
124	1/17/2013 10:00	22.43020248	35.21902084	0.375	28.49474335	24182.56055
125	1/18/2013 10:00	27.80778885	31.59507942	0.375	30.28614426	24212.8457
126	1/19/2013 10:00	25.48409462	29.6280632	0.375	27.99974442	24240.8457
127	1/20/2013 10:00	17.64412498	34.07629013	0.375	24.69667816	24265.54297
128	1/21/2013 10:00	20.50281525	35.06997299	0.375	26.53553581	24292.07813
129	1/22/2013 10:00	38.39260864	24.64428329	0.375	31.9706459	24324.04883
130	1/23/2013 10:00	49.88903427	14.94550228	0.375	31.20051575	24355.25
131	1/24/2013 10:00	27.61091042	17.941576	0.375	24.93403625	24380.18359
132	1/25/2013 10:00	25.95836639	21.20844269	0.375	25.16859436	24405.35156
133	1/26/2013 10:00	33.9384613	19.30720139	0.375	28.47362709	24433.82617
134	1/27/2013 10:00	44.86565781	14.67080498	0.375	29.31798553	24463.14453
135	1/28/2013 10:00	20.12593842	24.5230217	0.375	22.47808075	24485.62109
136	1/29/2013 10:00	9.591545105	43.0261879	0.375	19.83790207	24505.45898
137	1/30/2013 10:00	6.718911171	60.86870575	0.375	7.029902935	24512.49023
138	1/31/2013 10:00	83.66925812	54.59492874	0.375	28.67237473	24541.16211

273286434

806.45

Daily Log Download

Device/Meter Name: CALEB WHITAKER MTR
 Company Name: INTERSTATE NAT GAS
 Site/Well Name: ELK 5-6-7
 Field/Lease Name: CALEB WHITAKER MM
 Location Name: FLOYD CO.
 Legal Description: STATE RD. FK. @ HOLBROOK HOLLOW

Downloaded on: 02/13/2013 12:38:37
 ModWorX Pro: 4.0.6
 Device Type: Scanner 2000
 Firmware: 3.04
 Board ID: 0

Rec#	Timestamp	Differential Pressure (In H2O)	Static Pressure (PSIG)	Flow Run 1 Plate Size (Inches)	Flow Run 1 Volume (MGF)	Flow Run 1 Grand Total (MGF)
223	1/1/2013 10:00	20.08156395	33.82096863	0.5	46.38746262	58354.40625
224	1/2/2013 10:00	18.87954521	35.44860077	0.5	45.7526474	58400.15625
225	1/3/2013 10:00	22.16928482	32.0492363	0.5	47.76136017	58447.91797
226	1/4/2013 10:00	24.94417	28.54435921	0.5	48.60982132	58496.52734
227	1/5/2013 10:00	20.45906587	32.05133438	0.5	45.84495544	58542.375
228	1/6/2013 10:00	16.35596848	37.6211319	0.5	43.39284515	58585.76563
229	1/7/2013 10:00	16.12136841	39.28119278	0.5	43.91311264	58629.67969
230	1/8/2013 10:00	16.62375832	38.95203781	0.5	44.32095337	58674
231	1/9/2013 10:00	16.36348915	38.94382858	0.5	44.03713989	58718.03906
232	1/10/2013 10:00	14.1494627	42.40816116	0.5	42.31333542	58760.35156
233	1/11/2013 10:00	7.440925121	45.86629868	0.5	26.87735939	58787.22656
234	1/12/2013 10:00	1.799025536	46.71891785	0.5	0.437650681	58787.66406
235	1/13/2013 10:00	0.319549859	47.81494141	0.5	0	58787.66406
236	1/14/2013 10:00	1.306544662	46.27226257	0.5	0.094180211	58787.76172
237	1/15/2013 10:00	20.48897498	45.51948929	0.5	42.06204224	58829.82031
238	1/16/2013 10:00	22.1671505	40.77067947	0.5	52.14474106	58881.96875
239	1/17/2013 10:00	19.46203041	39.49722672	0.5	48.3323288	58930.30078
240	1/18/2013 10:00	19.8592968	37.4899025	0.5	47.84494781	58978.14453
241	1/19/2013 10:00	20.44465446	35.57988739	0.5	47.57600784	59025.71875
242	1/20/2013 10:00	18.2348175	37.53142548	0.5	45.77722931	59071.49609
243	1/21/2013 10:00	17.17272758	39.38028336	0.5	45.18033218	59116.67969
244	1/22/2013 10:00	21.23217583	33.28947067	0.5	47.36226654	59164.03906
245	1/23/2013 10:00	22.13571548	30.9196701	0.5	47.1415329	59211.17969
246	1/24/2013 10:00	21.75847244	30.69536018	0.5	46.63101578	59257.8125
247	1/25/2013 10:00	19.55738068	33.0831871	0.5	45.38497162	59303.19922
248	1/26/2013 10:00	20.41239929	32.12587738	0.5	45.93577194	59349.13281
249	1/27/2013 10:00	21.55624962	30.58926201	0.5	46.36486053	59395.5
250	1/28/2013 10:00	18.27863312	34.23880005	0.5	44.28767776	59439.78516
251	1/29/2013 10:00	11.02388096	43.5388298	0.5	22.84432411	59462.62891
252	1/30/2013 10:00	6.699304104	46.69067383	0.5	2.805407763	59465.4375
253	1/31/2013 10:00	17.19088554	45.97702408	0.5	7.048989773	59472.48438

EFM Daily Volume Detail



Detail Report
 Detail Graph
 Gas Chart
 Poll
 << More Reports >>

EFMs > DLR

Jefferson Gas

Month: Jan 2013 Refresh

Add/Update Data Inputs								
	Static Pressure (Avg. PSIA)	Differential Pressure (Avg. in. H ₂ O)	Flow Temp (°F)	Bat. Volt (V)	No Flow Time (Minutes)	Energy Factor (@14.73 Dry)	Volume (MCF @ 14.73)	Energy (MMBTU @ Dry)
1	48.90	12.25	60.00	13.46	0.00	1.2000	145.34	174.41
2	45.30	17.09	60.00	14.09	0.00	1.2000	162.15	194.58
3	42.00	22.61	60.00	13.64	0.00	1.2000	178.64	214.37
4	44.00	9.12	60.00	13.99	0.00	1.2000	114.07	136.88
5	50.70	8.33	60.00	13.49	0.00	1.2000	121.91	146.29
6	52.20	6.85	60.00	13.85	0.00	1.2000	110.18	132.21
7	52.10	13.99	60.00	14.06	0.00	1.2000	155.52	186.62
8	52.00	6.40	60.00	12.87	14.00	1.2000	103.94	124.73
9	56.00	5.96	60.00	13.24	0.00	1.2000	108.17	129.80
10	60.10	5.38	60.00	13.29	0.00	1.2000	106.47	127.76
11	62.30	5.00	60.00	13.65	5.00	1.2000	104.97	125.96
12	62.30	4.56	60.00	13.40	0.00	1.2000	100.41	120.49
13	62.00	4.36	60.00	12.52	0.00	1.2000	97.74	117.29
14	59.00	9.68	60.00	12.77	0.00	1.2000	141.90	170.28
15	54.00	12.95	60.00	12.44	0.00	1.2000	157.39	188.87
16	52.90	11.19	60.00	13.38	0.00	1.2000	144.79	173.74
17	51.00	18.93	60.00	14.05	0.00	1.2000	182.05	218.46
18	49.20	19.92	60.00	13.70	0.00	1.2000	182.88	219.45
19	51.20	9.42	60.00	13.45	0.00	1.2000	127.73	153.27
20	52.90	12.75	60.00	14.69	0.00	1.2000	147.41	176.89
21	46.20	19.56	60.00	14.24	0.00	1.2000	175.30	210.37
22	43.80	37.33	60.00	14.88	0.00	1.2000	233.37	280.04
23	43.90	28.44	60.00	14.74	0.00	1.2000	206.66	248.00
24	45.80	21.23	60.00	12.48	0.00	1.2000	183.54	220.25
25	44.00	15.24	60.00	12.54	0.00	1.2000	149.98	179.97
26	42.30	19.54	60.00	13.72	0.00	1.2000	168.48	202.17
27	46.20	5.17	60.00	13.86	0.00	1.2000	83.74	100.49
28	59.10	4.46	60.00	13.61	0.00	1.2000	96.77	116.13
29	62.60	4.34	60.00	12.62	0.00	1.2000	97.95	117.54
30	62.20	9.10	60.00	14.01	0.00	1.2000	141.45	169.74
31	55.00	20.92	60.00	12.45	0.00	1.2000	195.04	234.04
Totals:					19.00		4,425.93	5,311.12
							Price:	

Price Per MCF: \$ Enter here Compute Total Price
 (enter a Price, press the Button, and the Price field will be computed)

Volume Detail Report

Grouping: Jefferson Gas
 Month/Year: January/2014

Date/Time	Static Press. (Avg. PSIA)	Diff. Press. (Avg. in. H2O)	Flow Temp (°F)	Bat. Volt. (V)	No Flow Time (Minutes)	Energy Factor (@14.73 Dry)	Volume (MCF @14.73)	Energy (MMBTU @Dry)
01/01/2014	46.10	11.25	60.00	12.64	0.00	1.2000	132.32	158.79
01/02/2014	42.60	26.90	60.00	12.61	0.00	1.2000	188.34	226.01
01/03/2014	35.50	26.70	60.00	14.19	0.00	1.2000	178.79	214.55
01/04/2014	38.40	6.32	60.00	13.72	0.00	1.2000	87.53	105.03
01/05/2014	47.00	2.01	60.00	12.41	613.00	1.2000	39.39	47.26
01/06/2014	33.80	27.98	60.00	12.21	0.00	1.2000	174.90	209.88
01/07/2014	33.20	13.09	60.00	12.27	0.00	1.2000	110.23	132.28
01/08/2014	40.20	1.85	60.00	13.54	292.00	1.2000	41.05	49.26
01/09/2014	47.10	0.74	60.00	13.44	476.00	1.2000	26.36	31.63
01/10/2014	50.20	0.47	60.00	12.57	840.00	1.2000	15.14	18.16
01/11/2014	52.00	1.50	60.00	13.97	413.00	1.2000	43.01	51.62
01/12/2014	50.00	2.51	60.00	13.96	282.00	1.2000	57.27	68.72
01/13/2014	50.50	1.20	60.00	13.52	49.00	1.2000	44.67	53.61
01/14/2014	51.30	1.87	60.00	14.15	265.00	1.2000	50.77	60.93
01/15/2014	47.50	7.37	60.00	13.99	0.00	1.2000	106.18	127.42
01/16/2014	48.00	6.63	60.00	12.96	0.00	1.2000	104.83	125.79
01/17/2014	44.40	9.09	60.00	12.89	0.00	1.2000	117.31	140.77
01/18/2014	43.70	3.67	60.00	13.65	0.00	1.2000	72.11	86.53
01/19/2014	45.50	1.40	60.00	13.76	226.00	1.2000	42.21	50.65
01/20/2014	48.80	2.89	60.00	12.33	102.00	1.2000	66.08	79.29
01/21/2014	42.80	13.54	60.00	12.15	124.00	1.2000	118.54	142.24
01/22/2014	38.60	6.78	60.00	12.23	0.00	1.2000	93.70	112.44
01/23/2014	32.30	11.17	60.00	12.11	0.00	1.2000	112.39	134.87
01/24/2014	34.60	5.81	60.00	12.27	0.00	1.2000	82.21	98.66
01/25/2014	38.00	2.14	60.00	12.18	258.00	1.2000	45.53	54.64
01/26/2014	45.30	0.18	60.00	13.02	1,178.00	1.2000	7.21	8.65
01/27/2014	46.00	16.73	60.00	15.03	6.00	1.2000	144.72	173.67
01/28/2014	45.10	43.61	60.00	15.10	0.00	1.2000	259.06	310.88
01/29/2014	46.20	35.02	60.00	15.05	0.00	1.2000	233.13	279.75
01/30/2014	51.80	16.40	60.00	14.75	2.00	1.2000	165.46	198.56
01/31/2014	47.90	0.31	60.00	14.39	1,091.00	1.2000	8.43	10.11
Total:					6,217.00		2,968.87	3,562.64

NYTIS

EXPLORATION COMPANY

Invoice #	1302012
Invoice Date	2/21/2013
Shipment Month	Jan-13

<p>Bill To</p> <p>Cow Creek Gas Company, Inc. Sigma Customers 2963 KY RT 321 PO Box 408 Prestonsburg, KY 41653</p>
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<p>Contact Information</p> <p>Franklin Fletcher Sales & Accounting Manager ffletcher@nytisky.com Telephone (859) 299-0771 EXT 314</p>
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Appalachia Price Index \$ 3.22

Description	Beginning Meter Reading	Ending Meter Reading	MCF	Btu Factor	DTH	Price	Amount
			Volume			80% of Index	
Roger Spradlin #1	9,359.850586	9,530.194336	170.34	1.096199	186.73	\$2.57600	\$481.02
Anne Dickerson	136,544.593800	138,089.437500	1,544.84	1.096199	1,693.46	\$2.57600	\$4,362.34
Lowell Rice Master	23,734.712890	24,541.162110	806.45	1.096199	884.03	\$2.57600	\$2,277.26
Caleb Whitaker Master	58,308.015630	59,472.484380	1,164.47	1.096199	1,276.49	\$2.57600	\$3,288.24
Total	227,947.172906	231,633.278326	3,686.11	1.096199	4,040.71	\$2.57600	\$10,408.86
Delivered to Jefferson at Grover Arnett meter			0.00	1.096197	-	\$2.57600	\$0.00
Total Amount Due Nytlis Exploration 6497			3,686.11	1.096197	4,040.70	\$2.57600	\$10,408.83
Total							\$10,408.83
Less prepayments							\$0.00
Balance Due							\$10,408.83

APPROVED FOR PAYMENT

Date: 03.06.13 By: [Signature]

District: 01 Account #: KFG Amount: 10,408.83

02 _____

03 _____

04 _____

07 _____

08 _____

09 _____

10 _____

11 _____

12 _____

Total: 10408.83

Phone (859) 299-0771

2480 Fortune Drive Suite 300

Lexington, KY 40509

Daily Log Download

Device/Meter Name: ROGER SPRADLIN # 1
 Company Name: INTERSTATE NAT GAS
 Site/Well Name: DECEMBER 13 2007
 Field/Lease Name: ROGER SPRADLIN # 1
 Location Name: FLOYD CO.
 Legal Description: CEDAR ESTATES @ ABBOTT CR.

Downloaded on: 02/13/2013 12:47:16
 ModWorX Pro: 4.0.6
 Device Type: Scanner 2000
 Firmware: 3.04
 Board ID: 0

Rec	Timestamp	Differential Pressure (in H ₂ O)	Static Pressure (G) (PSIG)	Flow Run 1 Plate Size (Inches)	Flow Run 1 Volume (MCF)	Flow Run 1 Grand Total (MCF)
542	1/1/2013 10:00	7.106027603	32.99779129	0.25	6.809726238	9366.661133
543	1/2/2013 10:00	6.798018932	34.65665436	0.25	6.791577339	9373.452148
544	1/3/2013 10:00	8.127215385	31.19639206	0.25	7.146690369	9380.598633
545	1/4/2013 10:00	8.887651443	27.63499832	0.25	7.158366203	9387.757813
546	1/5/2013 10:00	7.082696438	31.2917881	0.25	6.622075558	9394.379883
547	1/6/2013 10:00	5.674859047	36.80061142	0.25	6.334437847	9400.713867
548	1/7/2013 10:00	5.957501888	38.5513916	0.25	6.60742712	9407.321289
549	1/8/2013 10:00	6.20850563	38.2170639	0.25	6.692376137	9414.013672
550	1/9/2013 10:00	5.843233109	38.19817352	0.25	6.510612965	9420.524414
551	1/10/2013 10:00	5.173450947	41.70399475	0.25	6.336010933	9426.860352
552	1/11/2013 10:00	4.578989983	42.91179657	0.25	1.745177507	9428.605469
553	1/12/2013 10:00	0.30250296	63.44636154	0.25	0	9428.605469
554	1/13/2013 10:00	0.290127188	64.0920105	0.25	0	9428.605469
555	1/14/2013 10:00	0.282587498	65.06520081	0.25	0	9428.605469
556	1/15/2013 10:00	42.37613678	49.85046387	0.25	6.005711555	9434.611328
557	1/16/2013 10:00	10.76764107	39.96121979	0.25	8.957372665	9443.568359
558	1/17/2013 10:00	8.124447823	38.70288849	0.25	7.723681927	9451.291992
559	1/18/2013 10:00	8.052479744	36.69566727	0.25	7.530761242	9458.823242
560	1/19/2013 10:00	7.967828274	34.76638794	0.25	7.338535786	9466.161133
561	1/20/2013 10:00	6.767255306	36.74209976	0.25	6.902987957	9473.064453
562	1/21/2013 10:00	6.682090759	38.63212204	0.25	6.961293221	9480.025391
563	1/22/2013 10:00	8.024358749	32.46374893	0.25	7.171445847	9487.197266
564	1/23/2013 10:00	8.091514587	30.09138107	0.25	7.036618233	9494.234375
565	1/24/2013 10:00	7.792695999	29.87711334	0.25	6.901136398	9501.134766
566	1/25/2013 10:00	7.185647488	32.30316925	0.25	6.748924255	9507.883789
567	1/26/2013 10:00	7.515525018	31.33836174	0.25	6.891762257	9514.775391
568	1/27/2013 10:00	8.007674217	29.79585075	0.25	6.983222485	9521.758789
569	1/28/2013 10:00	6.400965691	33.47490311	0.25	6.497193336	9528.255859
570	1/29/2013 10:00	4.202366352	40.25491333	0.25	1.938624501	9530.194336
571	1/30/2013 10:00	0.299657464	62.83216095	0.25	0	9530.194336
572	1/31/2013 10:00	0.27754882	64.90370941	0.25	0	9530.194336

Daily Log Download

Device/Mater Name: DICKERSON CHECK
 Company Name: INTERSTATE NAT GAS
 Site/Well Name: JULY 25 2008
 Field/Laasa Name: DICKERSON CHECK
 Location Name: FLOYD CO.
 Legal Description: STATE RD. FORK

Downloaded on: 02/13/2013 12:31:43
 ModWorX Pro: 4.0.6
 Device Type: Scanner 2000
 Firmware: 3.04
 Board ID: 0

Rec#	Timestamp	Differential Pressure (In H2O)	Static Pressure (G) (PSIG)	Flow Adm. Plate Size (Inches)	Flow Run 1 Volume (Mcf)	Flow Run 1 Grand Total (Mcf)
574	1/17/2013 10:00	5.649055004	33.44520187	0.75	58.31145859	136602.9063
575	1/2/2013 10:00	5.372097492	35.10863113	0.75	57.86592484	136660.7656
576	1/3/2013 10:00	6.072922707	31.61686134	0.75	59.26037979	136720.0313
577	1/4/2013 10:00	6.679935932	28.03647232	0.75	59.6227417	136779.6563
578	1/5/2013 10:00	5.73349905	31.6587162	0.75	57.56529236	136837.2188
579	1/6/2013 10:00	4.867128372	37.34727097	0.75	56.20741653	136893.4219
580	1/7/2013 10:00	4.762185097	39.01430893	0.75	56.61073303	136950.0313
581	1/8/2013 10:00	4.837319374	38.67602539	0.75	56.76874542	137006.8125
582	1/9/2013 10:00	4.771173954	38.6597023	0.75	56.42943954	137063.2344
583	1/10/2013 10:00	4.325590134	42.18564987	0.75	55.51390839	137118.75
584	1/11/2013 10:00	3.878331661	45.99702944	0.75	54.33490753	137173.0938
585	1/12/2013 10:00	3.776490927	47.3657341	0.75	18.540205	137191.625
586	1/13/2013 10:00	3.02519083	47.39557648	0.75	9.149731636	137200.7813
587	1/14/2013 10:00	5.459270477	47.29153442	0.75	16.32297707	137217.0938
588	1/15/2013 10:00	5.420751469	45.35654831	0.75	63.88261032	137280.9844
589	1/16/2013 10:00	5.405614853	40.2844429	0.75	61.02523422	137342
590	1/17/2013 10:00	5.321026325	39.11555099	0.75	59.89509583	137401.9063
591	1/18/2013 10:00	5.500114918	37.11164856	0.75	59.69425964	137461.5938
592	1/19/2013 10:00	5.695683479	35.18747711	0.75	59.55752182	137521.1563
593	1/20/2013 10:00	5.265199184	37.18878937	0.75	58.37329865	137579.5313
594	1/21/2013 10:00	5.808004665	39.07940674	0.75	57.94214249	137637.4688
595	1/22/2013 10:00	5.760349274	32.87022781	0.75	58.2397995	137695.7031
596	1/23/2013 10:00	6.288778782	30.50455666	0.75	58.10933685	137753.8125
597	1/24/2013 10:00	2.789782047	27.57043457	0.75	3.708348513	137757.5313
598	1/25/2013 10:00	9.689789772	33.24481201	0.75	63.66215897	137821.1875
599	1/26/2013 10:00	6.554453373	31.76916504	0.75	61.69717407	137882.8906
600	1/27/2013 10:00	6.573926926	30.19216728	0.75	60.69610596	137943.5701
601	1/28/2013 10:00	5.716672421	33.90966797	0.75	58.8107872	138002.3906
602	1/29/2013 10:00	4.182835102	44.99173355	0.75	55.82974243	138058.2188
603	1/30/2013 10:00	4.095880985	46.90215302	0.75	7.622289181	138065.8438
604	1/31/2013 10:00	7.208251953	46.38516235	0.75	23.59897614	138089.4375

Daily Log Download

Device/Meter Name: Lowell Rice Master
 Company Name: Intarstate
 Site/Well Name: Lowell Rice Master
 Field/Lease Name: Frontier
 Location Name: Coal Branch
 Legal Description: Magoffin Co.

Downloaded on: 02/13/2013 09:46:32
 ModWorX Pro: 4.0.6
 Device Type: Scanner 2000
 Firmware: 3.04
 Board ID: 0

Rec	Timestamp	Differential Pressure (In H2O)	Static Pressure (PSIG)	Flow Run 1 Plate Size (Inches)	Flow Run 1 Volume (MCF)	Flow Run 1 Grand Total (MCF)
108	1/1/2013 10:00	25.92866898	28.67710686	0.375	27.82968521	23762.54102
109	1/2/2013 10:00	22.69446945	31.14431763	0.375	27.37636757	23789.91797
110	1/3/2013 10:00	31.57507896	26.84301758	0.375	30.60561697	23820.52539
111	1/4/2013 10:00	36.3999939	22.164711	0.375	30.06962204	23850.59375
112	1/5/2013 10:00	17.62382698	22.32549286	0.375	2.732183218	23876.4668
113	1/6/2013 10:00	16.11384392	33.05683136	0.375	23.92486191	23899.93164
114	1/7/2013 10:00	20.85344315	33.65686035	0.375	26.75426102	23926.68555
115	1/8/2013 10:00	41.07542801	23.09826279	0.375	0.855329096	23936.88086
116	1/9/2013 10:00	24.51684189	33.9451828	0.375	28.32165337	23965.20117
117	1/10/2013 10:00	16.19137764	39.11175156	0.375	24.92486191	23990.12695
118	1/11/2013 10:00	12.54076672	44.29175949	0.375	23.19286919	24013.32031
119	1/12/2013 10:00	14.60705948	48.44018555	0.375	25.40518379	24038.72461
120	1/13/2013 10:00	19.98304558	51.9659462	0.375	24.21207619	24062.9375
121	1/14/2013 10:00	20.92863655	48.3085556	0.375	30.45633698	24093.39258
122	1/15/2013 10:00	23.23578072	41.96492767	0.375	30.86538124	24124.25781
123	1/16/2013 10:00	24.14288902	36.07328796	0.375	29.80726051	24154.06641
124	1/17/2013 10:00	22.43020248	35.21902084	0.375	28.49474335	24182.56055
125	1/18/2013 10:00	27.80778885	31.59507942	0.375	30.28614426	24212.8457
126	1/19/2013 10:00	25.48409462	29.6280632	0.375	27.99974442	24240.8457
127	1/20/2013 10:00	17.64412498	34.07529013	0.375	24.69667816	24265.54297
128	1/21/2013 10:00	20.50281525	35.06997299	0.375	26.53553581	24292.07813
129	1/22/2013 10:00	38.39260864	24.64428329	0.375	31.9706459	24324.04883
130	1/23/2013 10:00	49.88903427	14.94550228	0.375	31.20051575	24355.25
131	1/24/2013 10:00	27.61091042	17.941576	0.375	24.93403625	24380.18359
132	1/25/2013 10:00	25.95836639	21.20844269	0.375	25.16859436	24405.35156
133	1/26/2013 10:00	33.9384613	19.30720139	0.375	28.47362709	24433.82617
134	1/27/2013 10:00	44.86565781	14.67080498	0.375	29.31798553	24463.14453
135	1/28/2013 10:00	20.12593842	24.5230217	0.375	22.47808075	24485.62109
136	1/29/2013 10:00	9.591545105	43.0261879	0.375	19.83790207	24505.45898
137	1/30/2013 10:00	6.718911171	60.86870575	0.375	7.029902935	24512.49023
138	1/31/2013 10:00	83.66925812	54.59492874	0.375	28.67237473	24541.16211

8702886494

806.45

Daily Log Download

Device/Meter Name: CALEB WHITAKER MTR
 Company Name: INTERSTATE NAT GAS
 Site/Well Name: ELK 5-6-7
 Field/Lease Name: CALEB WHITAKER MN
 Location Name: FLOYD CO.
 Legal Description: STATE RD. FK. @ HOLBROOK HOLLOW

Downloaded on: 02/13/2013 12:38:37
 ModWorX Pro: 4.0.6
 Device Type: Scanner 2000
 Firmware: 3.04
 Board ID: 0

Rec.	Timestamp	Differential Pressure (In H2O)	Static Pressure (G) (PSIG)	Flow Run 1 Plate Size (Inches)	Flow Run 1 Volume (MCF)	Flow Run 1 Grand Total (MCF)
223	1/1/2013 10:00	20.08156395	33.82096863	0.5	46.38746262	58354.40625
224	1/2/2013 10:00	18.87954521	35.44860077	0.5	45.7526474	58400.15625
225	1/3/2013 10:00	22.16928482	32.0492363	0.5	47.76136017	58447.91797
226	1/4/2013 10:00	24.94417	28.54435921	0.5	48.60982132	58496.52734
227	1/5/2013 10:00	20.45306587	32.05133438	0.5	45.84495544	58542.375
228	1/6/2013 10:00	16.35596848	37.6211319	0.5	43.39284515	58585.76563
229	1/7/2013 10:00	16.12136841	39.28119278	0.5	43.91311264	58629.67969
230	1/8/2013 10:00	16.62375832	38.95203781	0.5	44.32095337	58674
231	1/9/2013 10:00	16.36348915	38.94382858	0.5	44.03713989	58718.03906
232	1/10/2013 10:00	14.1494627	42.40816116	0.5	42.31333542	58760.35156
233	1/11/2013 10:00	7.440925121	45.86629868	0.5	26.87735939	58787.22656
234	1/12/2013 10:00	1.799025536	46.71891785	0.5	0.437650681	58787.66406
235	1/13/2013 10:00	0.319549859	47.81499141	0.5	0	58787.66406
236	1/14/2013 10:00	1.306544662	46.27226257	0.5	0.094180211	58787.76172
237	1/15/2013 10:00	20.48997498	45.51948929	0.5	42.06204224	58829.82031
238	1/16/2013 10:00	22.1671505	40.77067947	0.5	52.14474106	58881.96875
239	1/17/2013 10:00	19.46203041	39.49722672	0.5	48.3323288	58930.30078
240	1/18/2013 10:00	19.8592968	37.4899025	0.5	47.84494781	58978.14453
241	1/19/2013 10:00	20.44465446	35.57988739	0.5	47.57600784	59025.71875
242	1/20/2013 10:00	18.2348175	37.53142548	0.5	45.77722931	59071.49609
243	1/21/2013 10:00	17.17272758	39.38028336	0.5	45.18033218	59116.67969
244	1/22/2013 10:00	21.23217583	33.28947067	0.5	47.36226654	59164.03906
245	1/23/2013 10:00	22.13571548	30.9196701	0.5	47.1415329	59211.17969
246	1/24/2013 10:00	21.75847244	30.69536018	0.5	46.63101578	59257.8125
247	1/25/2013 10:00	19.55738068	33.0811871	0.5	45.38497162	59303.19922
248	1/26/2013 10:00	20.41239929	32.12587738	0.5	45.93577194	59349.13281
249	1/27/2013 10:00	21.55624962	30.58926201	0.5	46.36486053	59395.5
250	1/28/2013 10:00	18.27863312	34.23880005	0.5	44.28767776	59439.78516
251	1/29/2013 10:00	11.02388096	43.5388298	0.5	22.84432411	59462.62891
252	1/30/2013 10:00	6.699304104	46.69067383	0.5	2.805407763	59465.4375
253	1/31/2013 10:00	17.19088554	45.97702408	0.5	7.048989773	59472.48438

1164.467272

From: Harry Thompson [<mailto:chattacoinc@yahoo.com>]

Sent: Wednesday, January 15, 2014 6:02 PM

To: igsinc@att.net

Subject: Gas Production

Bob: We have 115 psi on the line to Route 30 and are maintaining 400 to 500 psi on our wells. What do you intend to do? Are you going to take at least 200 mcf/d or more. We understand that you have a restriction and will you be able to correct that? If you are not going to take that much we will shift all of our production to Jefferson. I understand that a cold wave is coming and in order to deliver you gas we will have to make appropriate arrangements in advance. Your prompt reply is necessary. Harry

5012 West Washington Street
 Suite 100
 Charleston, WV 25313-1527

Gas Volumes Summary Report

Prepared By

R. L. LAUGHLIN & COMPANY, INC.

Phone: (304) 776-7740
 Fax: (304) 776-7742
 Web: www.rllco.com

Account # 78200
 Date Printed 9/18/2013 10:10:55AM

Name NuEra Energy, LLC

Accounting Period 201308
 Page 1 of 1

MID	Meter Name	Date On	Date Off	Hours or Days	RLL MCF	RLL MMBTU	Sales MCF	Sales MMBTU
100	S H. F. ALLEN #1	08/01/2013	09/01/2013	744	214	0		
200	H. F. ALLEN #2	08/01/2013	09/01/2013	744	163	0		
499	S STEVE COLLETT #1	08/01/2013	09/01/2013	627	111	0		
500	S STEVE COLLETT #2	08/01/2013	09/01/2013	736	208	0		
550	S STANLEY & KAREN HOWARD DPI-3006	08/01/2013	09/01/2013	744	1141	0		
575	R AUDRY PURCELL #3	08/01/2013	09/01/2013	744	396	0		
600	S R.R. #1	08/01/2013	09/01/2013	744	310	0		
700	S R.R. #2	08/01/2013	09/01/2013	744	116	0		
800	S R.R. #3	08/01/2013	09/01/2013	742	195	0		
1000	S HARLAN ROWE #1	08/01/2013	09/01/2013	627	164	0		
1100	S HARLAN ROWE #2	08/01/2013	09/01/2013	744	220	0		
1200	S HARLAN ROWE #3	08/01/2013	09/01/2013	744	2002	0		
1300	S HARLAN ROWE #4	08/01/2013	09/01/2013	744	250	0		
1400	S HARLAN ROWE #5	08/01/2013	09/01/2013	744	178	0		
1500	S ELLIS WILLIAMS #7	08/01/2013	09/01/2013	744	956	0		
1800	S BLAIR #1	08/01/2013	09/01/2013	743	575	0		
1900	S BLAIR #2 & #2A	08/01/2013	09/01/2013	559	294	0		
2000	R ROBERT PATRICK JDR-383	08/01/2013	09/01/2013	11	6	0		
2100	S CARTY, J. D. #1	08/01/2013	09/01/2013	744	764	0		
2200	S CASTLE, SHIRLEY #1	08/01/2013	09/01/2013	262	113	0		
2300	S BRYAN & ADA ARNETT #1	08/01/2013	09/01/2013	735	175	0		
21 READINGS					8551	0		
CLIENT TOTALS					8551	0		

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Gas Volumes Summary Report

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R. L. LAUGHLIN & COMPANY, INC.

Account # 78200
 Printed 6/10/2013 8:32:39AM

Name NuEra Energy, LLC

Accounting Period 2013Q5

Page 1 of 1

Meter Name	Date On	Date Off	Hours or Days	RLL MCF	RLL MMBTU	Sales MCF	Sales MMBTU
100 H. F. ALLEN #1	05/01/2013	06/01/2013	744	187	0	MCFD	
200 H. F. ALLEN #2	05/01/2013	06/01/2013	739	182	0		
250 HARLOWBACK #1	05/01/2013	06/01/2013	716	440	0		
500 STEVE COLLETT #2	05/01/2013	06/01/2013	730	339	0		
550 STANLEY & KAREN HOWARD DPI-3006	05/01/2013	06/01/2013	733	1509	0	50	
575 AUDRY PURCELL #3	05/01/2013	06/03/2013	788	1064	0		
600 R.R. #1	05/01/2013	06/01/2013	744	304	0		
700 R.R. #2	05/01/2013	06/01/2013	744	129	0		
800 R.R. #3	05/01/2013	06/01/2013	137	43	0		
900 R.R. #4	05/01/2013	06/01/2013	744	265	0		
1000 HARLAN ROWE #1	05/01/2013	06/01/2013	744	224	0		
1100 HARLAN ROWE #2	05/01/2013	06/01/2013	695	234	0		
1200 HARLAN ROWE #3	05/01/2013	06/01/2013	737	548	0		
1300 HARLAN ROWE #4	05/01/2013	06/01/2013	744	432	0		
1500 ELLIS WILLIAMS #7	05/01/2013	06/01/2013	744	1110	0		
1800 BLAIR #1	05/01/2013	06/01/2013	644	434	0		
1900 BLAIR #2 & #2A	05/01/2013	06/01/2013	632	400	0		
17 READINGS	CLIENT TOTALS			7844	0		

10 wells are on long list

261 MCFD

15 MCFD/well

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Gas Volumes Summary Report

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R. L. LAUGHLIN & COMPANY, INC.

Account # 78200

Name NuEra Energy, LLC

Accounting Period 201304

Printed 5/15/2013 2:46:01PM

Page 1 of 1

	Meter Name	Date On	Date Off	Hours or Days	RLL MCF	RLL MMBTU	Sales MCF	Sales MMBTU
100	H. F. ALLEN #1	04/01/2013	05/01/2013	722	169	0		
200	H. F. ALLEN #2	04/01/2013	05/01/2013	720	145	0		
450	SHIRLEY CASTLE #1	04/01/2013	05/01/2013	708	349	0		
500	STEVE COLLETT #2	04/01/2013	05/01/2013	722	200	0		
550	STANLEY & KAREN HOWARD DPI-3006	04/01/2013	05/01/2013	705	907	0		
575	AUDRY PURCELL #3	04/01/2013	05/01/2013	714	918	0		
600	R.R. #1	04/01/2013	05/01/2013	716	264	0		
700	R.R. #2	04/01/2013	05/01/2013	717	168	0		
800	R.R. #3	04/01/2013	05/01/2013	710	181	0		
900	R.R. #4	04/01/2013	05/01/2013	431	119	0		
1000	HARLAN ROWE #1	04/01/2013	05/01/2013	717	279	0		
1100	HARLAN ROWE #2	04/01/2013	05/01/2013	721	179	0		
1200	HARLAN ROWE #3	04/01/2013	05/01/2013	711	847	0		
1300	HARLAN ROWE #4	04/01/2013	05/01/2013	713	237	0		
1500	ELLIS WILLIAMS #7	04/01/2013	05/01/2013	719	978	0		
1800	BLAIR #1	04/01/2013	05/01/2013	719	529	0		
1900	BLAIR #2 & #2A ✓	04/08/2013	05/01/2013	519	340	0		
17 READINGS		CLIENT TOTALS			6868	0		

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Gas Volumes Summary Report

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Prepared By

R. L. LAUGHLIN & COMPANY, INC.

Account # 78200

Name NuEra Energy, LLC

Accounting Period 201303

Printed 4/10/2013 1:16:16PM

Page 1 of 1

Meter Name	Date On	Date Off	Hours or Days	RLL MCF	RLL MMBTU	Sales MCF	Sales MMBTU
100 H. F. ALLEN #1	03/01/2013	04/01/2013	693	140	0		
200 H. F. ALLEN #2	03/01/2013	04/01/2013	744	132	0		
250 HARLOWBACK #1	03/01/2013	04/01/2013	560	218	0		
450 SHIRLEY CASTLE #1	03/01/2013	04/01/2013	720	362	0		
500 STEVE COLLETT #2	03/01/2013	04/01/2013	740	198	0		
550 STANLEY & KAREN HOWARD DPI-3006	03/01/2013	04/01/2013	719	470	0		
575 AUDRY PURCELL #3	03/01/2013	04/01/2013	744	1253	0		
600 R.R. #1	03/01/2013	04/01/2013	744	291	0		
700 R.R. #2	03/01/2013	04/01/2013	702	113	0		
800 R.R. #3	03/01/2013	04/01/2013	744	261	0		
900 R.R. #4	03/01/2013	04/01/2013	542	194	0		
1000 HARLAN ROWE #1	03/01/2013	04/01/2013	744	200	0		
1100 HARLAN ROWE #2	03/01/2013	04/01/2013	743	198	0		
1200 HARLAN ROWE #3	03/01/2013	04/01/2013	744	903	0		
1300 HARLAN ROWE #4	03/01/2013	04/01/2013	744	142	0		
1400 HARLAN ROWE #5	03/01/2013	04/01/2013	644	163	0		
1500 ELLIS WILLIAMS #7	03/01/2013	04/01/2013	742	1074	0		
1800 BLAIR #1	03/01/2013	04/01/2013	606	376	0		
18 READINGS		CLIENT TOTALS		6688	0		

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Gas Volumes Summary Report

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Prepared By

R. L. LAUGHLIN & COMPANY, INC.

Name NuEra Energy, LLC

Accounting Period 201302

Page 1 of 1

Account # 78200
Printed 3/18/2013 4:18:48PM

Meter Name	Date On	Date Off	Hours or Days	RLL MCF	RLL MMBTU	Sales MCF	Sales MMBTU
700 H. F. ALLEN #1	01/17/2013	03/01/2013	980	170	0		
200 H. F. ALLEN #2	01/17/2013	03/01/2013	1026	178	0		
500 STEVE COLLETT #2	01/17/2013	03/01/2013	1002	260	0		
550 STANLEY & KAREN HOWARD DPI-3006	01/28/2013	03/01/2013	724	590	0		
575 AUDRY PURCELL #3 ✓	02/18/2013	03/01/2013	161	257	0		
600 R.R. #1	02/17/2013	03/01/2013	287	110	0		
700 R.R. #2	01/17/2013	03/01/2013	1025	144	0		
800 R.R. #3	01/17/2013	03/01/2013	1013	197	0		
900 R.R. #4	01/17/2013	03/01/2013	782	163	0		
1000 HARLAN ROWE #1	01/17/2013	03/01/2013	1028	242	0		
1100 HARLAN ROWE #2	01/17/2013	03/01/2013	1020	216	0		
1200 HARLAN ROWE #3	01/17/2013	03/01/2013	1028	1194	0		
1300 HARLAN ROWE #4	01/17/2013	03/01/2013	916	180	0		
1400 HARLAN ROWE #5	01/17/2013	03/01/2013	1032	348	0		
1450 HARLAN ROWE #8	01/17/2013	02/17/2013	744	219	0		
1500 ELLIS WILLIAMS #7	01/17/2013	03/01/2013	1025	1314	0		
1800 BLAIR #1	01/17/2013	03/01/2013	863	462	0		
30 READINGS	CLIENT TOTALS			8244	0		

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Gas Volumes Summary Report

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Prepared By

R. L. LAUGHLIN & COMPANY, INC.

mt # 78200

Name NuEra Energy, LLC

Accounting Period 201301

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Page 1 of 1

	Meter Name	Date On	Date Off	Hours or Days	RLL MCF	RLL MMBTU	Sales MCF	Sales MMBTU
100	H. F. ALLEN #1	12/21/2012	01/17/2013	576	351	0		
200	H. F. ALLEN #2	12/21/2012	01/17/2013	687	442	0		
250	HARLOW BACK #1 ✓	12/21/2012	01/17/2013	504	360	0		
500	STEVE COLLETT #2 ✓	12/21/2012	01/17/2013	585	234	0		
600	R.R. #1	12/21/2012	01/17/2013	639	240	0		
700	R.R. #2	12/21/2012	01/17/2013	659	223	0		
800	R.R. #3	12/21/2012	01/17/2013	652	174	0		
900	R.R. #4	12/21/2012	01/17/2013	533	315	0		
1000	HARLAN ROWE #1 ✓	12/21/2012	01/17/2013	646	333	0		
1100	HARLAN ROWE #2 ✓	12/21/2012	12/31/2012	238	116	0		
1200	HARLAN ROWE #3 ✓	12/21/2012	01/17/2013	652	866	0		
1300	HARLAN ROWE #4	12/21/2012	01/17/2013	649	277	0		
1500	ELLIS WILLIAMS #7 ✓	12/21/2012	01/17/2013	565	511	0		
1800	BLAIR #1 ✓	12/22/2012	01/17/2013	175	112	0		
14 READINGS			CLIENT TOTALS		4554	0		

-----5. Has Frontier investigated the construction of additional tie-in points (gates) to other systems in the area?

Witness: Shute

Company Response: Jefferson Gas is the only system with pipeline quality gas in Magoffin County. There are numerous gathering systems but none are suitable due to sour gas or sketchy operators.

6. Is Frontier exploring new wells in the area that may be linkable to any Frontier systems? If so, explain.

Witness: Shute

Company Response: No; see 4 above.

7. What effort has Frontier made to enhance or boost the pressure from its existing wells?

Witness: Shute

Company Response: None; Frontier has no wells of its own and cannot rely on local producers / production, see 4 above.

8. Has Frontier contacted former suppliers that may be available to it in the future?
If so, explain.

Witness: Shute

Company Response: No; see 4 above.

9. What safety concerns constrained or prevented Frontier's provision of adequate service to its customers during the timeframes of Incident Report-1 and Incident Report-2?

Witness: Shute

Company Response: The only safety concern was limiting system pressure at the nearest pipeline delivery into Auxier near Prestonsburg. Frontier operators adjusted the regulators as close as possible to the Auxier MAOP. With the failure of the usual suppliers to BTU and Sigma, there was no other feasible supply point.

10. Was Frontier required to rebuild any of its infrastructures due to weather related issues? If yes, describe.

Witness: Shute

Company Response: No.

11. Do Frontier's records accurately reflect all repairs made to its system?

Witness: Shute

Company Response: Yes.

12. Did Frontier experience any leaks or repairs due to steel or cast iron pipe failure?

Witness: Shute

Company Response: No. Frontier has no cast iron pipe anywhere and there is no known steel in the systems around Salyersville.

13. Explain why natural gas storage is not an option for Frontier to meet peak demand in the future.

Witness: Shute

Company Response: Developing a storage field would be far more costly than upgrading the pipelines to import gas from Floyd County. Gas is traditionally stored in depleted gas wells in a well-defined, well-contained field. The major issue would be locating a suitable small field from a producer with well records that could be trusted. For the limited peak-period volumes needed last winter, a propane-air storage system would be far cheaper and more reliable. Frontier believes the KWV delivery and booster compressor are the best options for now.

14. Refer to the first attachment to Frontier's March 10, 2014 Answer pertaining to the December 19, 2013 climate predictions/30-day outlook from the National Oceanographic and Atmospheric Administration ("NOAA") for January 2014.

Witness: Shute

a. When did Frontier first review this document?

Company Response: The NOAA outlook was used to illustrate the unpredictable nature of long-term weather prediction and the surprise longevity of the Polar Vortex. Frontier did not use the 30-day forecast but was watching NOAA 10 day forecasts, which are usually quite reliable. The purpose of reference to that report was to show that not even the National Weather Service predicted the severity of the 2013-14 winter, which prevented Frontier from having any data available to adjust its estimated gas needs for that period.

b. Did Frontier review NOAA's updated monthly outlook for January 2014? If so, when?

Company Response: See above, Frontier used mostly the 10-day NOAA forecasts.

c. Did Frontier rely on these predictions and updated predictions?

Company Response: Frontier used the NOAA forecasts to anticipate the several waves of bitter cold in late January to early February.

d. Did Frontier modify any of its operations or practices based upon these predictions? If so, explain.

Company Response: Yes, Frontier made several changes to regulator stations and operations, to run gas from Auxier to pump up the system pressures as much as practical before the waves of bitter cold. The two schools and courthouse in Salyersville were requested to briefly suspend service in the worst of the worst. Frontier could not anticipate the substantial and concurrent failure of every local producer / supplier.

15. Refer to the second attachment to Frontier's March 10, 2014 Answer pertaining to the January 16, 2014 climate predictions/30-day outlook from NOAA for February 2014.

Witness: Shute

a. When did Frontier first review this document? when? predictions?

Company Response: Answers same as 14 above for this sequence of questions.

b. Did Frontier review updated NOAA predictions for February? If so,

c. What reliance did Frontier place on these predictions and updated

d. Did Frontier modify any of its operations or practices based upon these predictions? If so, explain.