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PUBLIC SERVICE  
COMMISSION

March 29, 2007

**HAND DELIVERED**

Mark R. Overstreet  
(502) 209-1219  
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Ms. Beth O'Donnell  
Executive Director  
Public Service Commission of Kentucky  
211 Sower Boulevard  
P.O. Box 615  
Frankfort, Kentucky 40602-0615

**RE: P.S.C. Case No. 2007-0007 (Holly Creek Production Corporation).**

Dear Ms. O'Donnell:

Enclose, please find an original and six copies of Holly Creek Production Corporation's Supplemental Response to Staff's Data Request No. 7.

Please do not hesitate to contact me if you have any questions.

Very truly yours,



Mark R. Overstreet

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MAR 29 2007

PUBLIC SERVICE  
COMMISSION

**KPSC Case No. 2007-00007**  
**Commission Staff's Initial Data Request**  
**Request Dated March 9, 2007**  
**Supplemental Response to**  
**Item No. 7**  
**Page 1 of 2**

**Holly Creek Production Corporation**

**REQUEST NO. 7**

The gas analysis provided is 4 years old. Provide a more recent gas analysis for the gas supplied to the farm tap customers. Include the wet and dry heat values.

**RESPONSE**

Please find enclosed the March 23, 2007 Fractional Analysis performed by Gas Analytical Services, Inc. It demonstrates that the BTU content of the gas at contract conditions has improved since the analysis provided with the application.

	<b>March 23, 2007 Report</b>	<b>April 1, 2003 Report</b>
BTU/SCF (Dry)	1146.7640	1131.013
BRU/SCF (Saturated)	1127.7440	1112.259

Witness: Carleton D. Beh, Jr. President



## Gas Analytical Services, Inc.

P.O. Box 1028  
 Bridgeport, WV 26330-0461  
 Phone: (304) 623-0020  
 FAX: (304) 624-8065

Analysis #:	46202
Run Date:	03/23/2007
Run Time:	14:57
Cylinder #:	

# FRACTIONAL ANALYSIS

Customer: Holly Creek Production Corp.	Sample Date: 03/22/2007
Field: Holly Creek Kentucky	Sample Time: 19:30
Station: Holly Creek Master Meter	Collected By: Lockhart
Meter: Meter #0548-01	Effective Date: 03/22/2007
	Sample Pressure: 7.20 PSIG

Component	MOL%	GPM
Methane	79.8305	
Ethane	7.9736	2.13
Propane	4.3063	1.18
I-Butane	0.3177	0.10
N-Butane	1.1549	0.36
I-Pentane	0.1733	0.06
N-Pentane	0.3146	0.11
Nitrogen	5.4997	
CO2	0.0617	
Oxygen	0.0270	
Hexanes+	0.3407	0.15
Total:	100.0000	4.09

Analytical Results at Base Conditions	
BTU/SCF (Dry):	1146.7640
BTU/SCF (Saturated):	1127.7440
PSIA:	14.7300
Temperature (°F):	60.0000
Z Factor (Dry):	0.99705
Z Factor (Saturated):	0.99700

Analytical Results at Contract Conditions	
BTU/SCF (Dry):	1146.7640
BTU/SCF (Saturated):	1127.7440
PSIA:	14.7300
Temperature (°F):	60.0000
Z Factor (Dry):	0.99705
Z Factor (Saturated):	0.99700

Calculated Specific Gravities	
Ideal Gravity:	0.6977
Real Gravity:	0.6995

Gross Heating Values are Based  
 on GPA 2145-91, 2172, 2261.  
 Compressibility is Calculated using AGA-8.

### Notes and Comments

Analytical protocol:  
 ASTM D-1945 / D-3588