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Submitted to:

July 29, 2020

GCC Energy, LLC
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Date Sampled: June 2020
 Date Received: June 2020

Sample Identification:
 June 2020
 Monthly Composite
 Mine

Sampled By: GCC
 Identification By: GCC

Analysis Report #: 104000

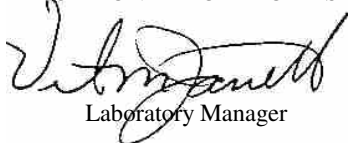
CERTIFICATE OF ANALYSIS

Proximate

	As Received Basis	Dry Basis	Method
% Moisture	7.72	-----	ASTM D 3302/7582
% Ash	11.33	12.28	ASTM D 5142
% Volatile Matter	34.49	37.38	ASTM D 5142
% Fixed Carbon	46.45	50.34	ASTM D 5142
	100.00	100.00	
% Sulfur	0.67	0.73	ASTM D 5016
Chlorine %	0.027	0.029	ASTM D 4208
Btu/Lb.	11927	12925	ASTM D 5865
Moisture Ash Free Btu/Lb.	14734		
Lbs of SO ₂ per mmBTU	1.13		
Lbs of S per mmBTU	0.56		
Mercury ppm (Dry)	0.0321		ASTM D 6722

Fusion Temperatures of Ash Reducing Atmosphere

Initial Deformation	xxxx	Degrees F.	
Height=Width	xxxx	Degrees F.	
Height=1/2 Width	xxxx	Degrees F.	
Fluid	xxxx	Degrees F.	

Respectfully Submitted,
HORIZON LABORATORIES

 Laboratory Manager