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Submitted to:

August 18, 2020

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

Sample Identification:
 July 2020
 Monthly Composite
 Mine

Sampled By: GCC
 Identification By: GCC

Analysis Report #: 104247

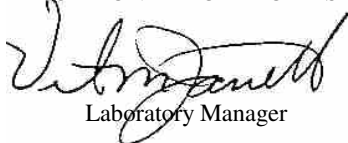
CERTIFICATE OF ANALYSIS

Proximate

	As Received Basis	Dry Basis	Method
% Moisture	6.65	-----	ASTM D 3302/7582
% Ash	10.96	11.74	ASTM D 5142
% Volatile Matter	35.05	37.55	ASTM D 5142
% Fixed Carbon	47.34	50.71	ASTM D 5142
	100.00	100.00	
% Sulfur	0.67	0.72	ASTM D 5016
Chlorine %	0.029	0.031	ASTM D 4208
Btu/Lb.	12115	12978	ASTM D 5865
Moisture Ash Free Btu/Lb.	14704		
Lbs of SO ₂ per mmBTU	1.10		
Lbs of S per mmBTU	0.55		
Mercury ppm (Dry)	0.0359		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