

TSP Name: Southern Star Central Gas Pipeline, Inc.

CSI048

TSP: 007906233

2/25/2020 12:15:18 AM

Gas Quality Reports

LS130 - Kansas Hugoton at Hesston

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Gas Day	Gross Heating Value (HHV) (Btu/scf)	Net Heating Value (LHV) (Btu/scf)	Specific Gravity	Wobbe Index	Hydrocarbon Dewpoint (HCDP) (deg F)	N2 (mol%)	CO2 (mol%)	Methane (mol%)	Ethane (mol%)	Propane (mol%)	Isobutane (mol%)	N-Butane (mol%)	Isopentane (mol%)	N-Pentane (mol%)	C6 Plus (mol%)
02/19/2020	1,056.1	1,037.7	0.611	1,351.41	-61.58	2.473	0.194	89.443	6.922	0.860	0.037	0.054	0.006	0.004	0.006
02/20/2020	1,052.8	1,034.5	0.608	1,350.41	-61.98	2.545	0.097	89.838	6.653	0.763	0.034	0.051	0.006	0.005	0.008
02/21/2020	1,054.0	1,035.7	0.609	1,350.93	-62.91	2.588	0.079	89.622	6.833	0.783	0.031	0.047	0.006	0.004	0.007
02/22/2020	1,053.4	1,035.0	0.608	1,350.58	-67.25	2.609	0.065	89.605	6.916	0.714	0.031	0.045	0.006	0.004	0.006
02/23/2020	1,050.4	1,032.1	0.608	1,347.47	-72.68	2.738	0.058	89.656	6.774	0.697	0.027	0.040	0.004	0.003	0.003

NOTES:

Wobbe Index: Interchangeability constant calculated using the Gross (or Higher) Heating Value (HHV) divided by the square root of the Specific Gravity

Hydrocarbon Dewpoint (HCDP): Theoretically determined value using the Redlich-Kwong equation of state (EOS)

Selection: Business Unit ID = 70; Analysis_Key = 52783