

## GRI-GLYCalc VERSION 4.0 - SUMMARY OF INPUT VALUES

Case Name: Springhill - 40 MMscfd Dehy 02 - 04/15/15

File Name: C:\projects2\wfs\LMM\Springhill\GP-5#2\00 - D2b - Springhill - GP5 - 40

Dehy-02 GLYCALCalc - 04.15.15.ddf

Date: May 01, 2015

## DESCRIPTION:

Description: Wet Gas: 70 oF, 1000 psig  
 Flash Tank: 120oF, 40 psig  
 Pump: Kimray 45020PV; 7.5 gpm  
 30% Recycle of Flash Gas in Reboiler

Annual Hours of Operation: 8760.0 hours/yr

## WET GAS:

Temperature: 70.00 deg. F  
 Pressure: 1000.00 psig  
 Wet Gas Water Content: Saturated

Component	Conc. (vol %)
Carbon Dioxide	0.3320
Nitrogen	0.2620
Methane	97.3540
Ethane	1.9750
Propane	0.0740
n-Hexane	0.0001
2,2,4-Trimethylpentane	0.0001
Benzene	0.0001
Toluene	0.0001
Ethylbenzene	0.0001
Xylenes	0.0001

## DRY GAS:

Flow Rate: 40.0 MMSCF/day  
 Water Content: 7.0 lbs. H2O/MMSCF

## LEAN GLYCOL:

Glycol Type: TEG  
 Water Content: 1.5 wt% H2O  
 Flow Rate: 7.5 gpm

## PUMP:

Glycol Pump Type: Gas Injection  
 Gas Injection Pump Volume Ratio: 0.080 acfm gas/gpm glycol

## FLASH TANK:

Flash Control: Combustion device  
Flash Control Efficiency: 30.00 %  
Temperature: 120.0 deg. F  
Pressure: 40.0 psig