Bitter Creek Compressor Station
Dehy Vent Detail Sheet

			Elevation:	ft asl
Source ID Number	**DEHY 1**	Source Location	Zone: 13	
Source Description	70 MMSCFD TEG Dehydrator		UTME:	
Equipment Usage	Glycol Dehydrator		UTMN:	
Equipment Make		Potential operation		8760 hr/yr
Equipment Model				
Serial Number				
Date in Service	Dehy-1	2007		
Emission Controls	Low Emissions TEG Dehy			
Equipment Configuration	TEG			
Permit Status	TBD			

GRI Glycalc Inputs

Annual Hrs of Operation	8760	(<= 8760 hr/yr)
Type of Glycol Used	TEG	(EG, TEG, DEG)
Wet Gas Temperature	80	deg F
Wet Gas Pressure	600	psig
Wet Gas Water Content	Saturated	lb H20/MMscf or Saturated
Dry Gas Flow Rate	70	MMscf/day
Dry Gas Water Content	7	lb H20/MMscf (or # absorber stages)
Glycol Recirc.	5	gal / # water
Pump Type	Electric	Electric / Gas @ 1.5% H20 -- Default
Gas Pump Volume Ratio	N/A	acfm gas / gpm glycol
Flash Tank Present?	Y	(Y/N)
Flash Tank Temperature	160	deg F
Flash Tank Pressure	130	psig
Flash Tank Control	Recycle	
Stripping Gas Used	Dry Gas	(None, Dry Gas, Flash Gas, Nitrogen)
Stripping Gas Flow Rate	25	scfm
Condenser Present?	Y	
Condenser Temperature	140	
Condenser Pressure	Atm	

Gas Analyses from July 2008 (3rd Qtr)

Component	Wet Gas (% Vol.)
Helium	0.005
Carbon Dioxide	0.591
Hydrogen Sulfide	ND
Nitrogen	0.167
Methane	91.57
Ethane	4.425
Propane	1.626
Isobutane	0.335
n-Butane	0.432
Isopentane	0.180
n-Pentane	0.151
Cyclopentane	0.009
n-Hexane	0.073
Cyclohexane	0.043
Other Hexanes	0.131
Heptanes	0.095
Methylcyclohexane	0.062
2,2,4-Trimethylpentane	0
Benzene	0.017
Toluene	0.021
Ethylbenzene	0.001
Xylenes	0.008
C8+ Heavies	0.058
Total	100

Bitter Creek Compressor Station
Dehy Vent Detail Sheet

			Elevation:	ft asl
Source ID Number	**DEHY 2**	Source Location	Zone: 13	
Source Description	70 MMSCFD TEG Dehydrator		UTME:	
Equipment Usage	Glycol Dehydrator		UTMN:	
Equipment Make		Potential operation		8760 hr/yr
Equipment Model				
Serial Number				
Date in Service	Dehy-2	2007		
Emission Controls	Low Emissions TEG Dehy			
Equipment Configuration	TEG			
Permit Status	TBD			

GRI Glycalc Inputs

Annual Hrs of Operation	8760	(<= 8760 hr/yr)
Type of Glycol Used	TEG	(EG, TEG, DEG)
Wet Gas Temperature	80	deg F
Wet Gas Pressure	600	psig
Wet Gas Water Content	Saturated	lb H20/MMscf or Saturated
Dry Gas Flow Rate	70	MMscf/day
Dry Gas Water Content	7	lb H20/MMscf (or # absorber stages)
Glycol Recirc.	5	gal / # water
Pump Type	Electric	Electric / Gas @ 1.5% H20 -- Default
Gas Pump Volume Ratio	N/A	acfm gas / gpm glycol
Flash Tank Present?	Y	(Y/N)
Flash Tank Temperature	160	deg F
Flash Tank Pressure	130	psig
Flash Tank Control	Recycle	
Stripping Gas Used	Dry Gas	(None, Dry Gas, Flash Gas, Nitrogen)
Stripping Gas Flow Rate	25	scfm
Condenser Present?	Y	
Condenser Temperature	140	
Condenser Pressure	Atm	

Gas Analyses from July 2008 (3rd Qtr)

Component	Wet Gas (% Vol.)
Helium	0.005
Carbon Dioxide	0.591
Hydrogen Sulfide	ND
Nitrogen	0.167
Methane	91.57
Ethane	4.425
Propane	1.626
Isobutane	0.335
n-Butane	0.432
Isopentane	0.180
n-Pentane	0.151
Cyclopentane	0.009
n-Hexane	0.073
Cyclohexane	0.043
Other Hexanes	0.131
Heptanes	0.095
Methylcyclohexane	0.062
2,2,4-Trimethylpentane	0
Benzene	0.017
Toluene	0.021
Ethylbenzene	0.001
Xylenes	0.008
C8+ Heavies	0.058
Total	100