

```

Recycle_hydrates
Hyd Is Formed      True
Hyd Formation T    -25.9 [F]
Hyd Formation App T -10.66 [F]
  
```

Recycle\_hydrates

Recycle

```

Recycle
T      -36.6 [F]
P      *34.70 [psia]
Mass Flow 10003.82 [lb/h]
In.Std Gas Volume Flow 4.045E+0 [MMSCFD]
  
```

Recycle\_valve

```

AC1
Tin      84.7 [F]
Tout     120.0 [F]
DeltaP   *7.00 [psi]
Duty     -1.792E+5 [Btu/hr]
  
```

Sep1

SLL1

Stage\_1

```

Stage_1
Duty      207.47 [HorsePower]
Efficiency *75.00 [%]
  
```

```

AC2
Tin      281.0 [F]
Tout     120.0 [F]
DeltaP   *10.00 [psi]
Duty     8.860E+5 [Btu/hr]
  
```

Sep2

SLL2

Stage\_2

```

Stage_2
Duty      325.05 [HorsePower]
Efficiency *75.00 [%]
  
```

```

AC3
Tin      289.8 [F]
Tout     120.0 [F]
DeltaP   *15.00 [psi]
Duty     1.017E+6 [Btu/hr]
  
```

Sep3

SLL3

Stage\_3

```

Stage_3
Duty      322.90 [HorsePower]
Efficiency *75.00 [%]
  
```

```

AC4
Tin      274.1 [F]
Tout     120.0 [F]
DeltaP   *17.40 [psi]
Duty     1.127E+6 [Btu/hr]
  
```

Sep4

SLL4

Stage4

```

Stage4
Duty      257.23 [HorsePower]
Efficiency *75.00 [%]
  
```

To\_recycle

Discharge\_hydr

```

Discharge_hydr
Hyd Is Formed      False
Hyd Formation T    46.2 [F]
Hyd Formation App T 73.84 [F]
  
```

```

To_plant
T      120.0 [F]
P      1964.70 [psia]
Mass Flow 101.05 [lb/h]
In.Std Gas Volume Flow 4.0859E-2 [MMSCFD]
In.Fraction.WATER 1.08E-04 [Fraction]
In.Fraction.NITROGEN 0.0051 [Fraction]
In.Fraction.METHANE 0.7312 [Fraction]
In.Fraction.ETHANE 0.1190 [Fraction]
In.Fraction.PROPANE 0.0888 [Fraction]
In.Fraction.ISOBUTANE 0.0163 [Fraction]
In.Fraction.n-BUTANE 0.0210 [Fraction]
In.Fraction.ISOPENTANE 0.0030 [Fraction]
In.Fraction.n-PENTANE 0.0020 [Fraction]
In.Fraction.n-HEXANE 7.22E-04 [Fraction]
In.Fraction.CARBON_DIOXIDE 0.0128 [Fraction]
  
```

```

Dry_feed
T      *113.0 [F]
P      *34.70 [psia]
Mass Flow 136.50 [lb/h]
In.Std Gas Volume Flow 4.69E-2 [MMSCFD]
In.Fraction.WATER *0.00 [Fraction]
In.Fraction.NITROGEN *0.0046 [Fraction]
In.Fraction.METHANE *0.6647 [Fraction]
In.Fraction.ETHANE *0.1109 [Fraction]
In.Fraction.PROPANE *0.0927 [Fraction]
In.Fraction.ISOBUTANE *0.0236 [Fraction]
In.Fraction.n-BUTANE *0.0388 [Fraction]
In.Fraction.ISOPENTANE *0.0155 [Fraction]
In.Fraction.n-PENTANE *0.0141 [Fraction]
In.Fraction.n-HEXANE *0.0234 [Fraction]
In.Fraction.CARBON_DIOXIDE *0.0117 [Fraction]
  
```

PC1

Set Dry Feed Flow  
in this process  
calculator cell A3