



Company: Bidell Equipment Inc.
 Quote: Q-05-026
 Remarks:

Ariel Performance

Customer: [REDACTED]
 Inquiry: E-4080-001
 Project: [REDACTED]



7.4.

Compressor Data:

Elevation,ft: 2500.0
 Frame: JGJ/4
 Max RL Tot, lbf: 42000
 Rated RPM: 1800
 Calc RPM: 1800.0

Barmtr,psia: 13.400
 Stroke, in: 3.50
 Max RL Tens, lbf: 21000
 Rated BHP: 1240.0
 Calc BHP: 310

Ambient, °F: 95.00
 Rod Dia, in: 1.500
 Max RL Comp, lbf: 23000
 Rated PS FPM: 1050.0
 Calc PS FPM: 1050.0

Driver Data:

Type: Nat. Gas
 Mfg: Waukesha
 Model: H24GL/GLD
 BHP: 530
 Avail: 503 (27)

Services

Stage Data:

Flow Req'd, MMSCFD
 Flow Calc, MMSCFD
 Cyl HP per Stage
 Specific Gravity
 Ratio of Sp Ht (N)
 Comp Suct (Zs)
 Comp Disch (Zd)
 Pres Suct Line, psig
 Pres Suct Flg, psig
 Pres Disch Flg, psig
 Pres Disch Line, psig
 Pres Ratio F/F
 Temp Suct, °F
 Temp Ctr Disch, °F

Gathering

#1

5.000
 1.912
 145.7
 0.8741
 1.2090
 0.9903
 0.9830
 10.00
 10.00
 65.89
 N/A
 3.389
 40.00
 120.00

#2

5.000
 1.912
 152.5
 0.8741
 1.1947
 0.9798
 0.9653
 N/A
 63.54
 255.27
 250.00
 3.492
 120.00
 120.00

Cylinder Data:

Cyl Model
 Cyl Bore, in
 I RDP (API), psig
 MAWP, psig
 Cyl Action
 Cyl Disp, CFM
 Pres Suct Intl, psig
 Temp Suct Intl, °F
 Suct Zsph
 Pres Disch Intl, psig
 Temp Disch Intl, °F
 HE Suct Gas Vel, FPM
 HE Disch Gas Vel, FPM
 HE Spcrs Used/Max
 HE Vol Pkt Avail, %
 Vol Pkt Used, %
 HE Min Clr, %
 HE Total Clr, %
 CE Suct Gas Vel, FPM
 CE Disch Gas Vel, FPM
 CE Spcrs Used/Max
 CE Min Clr, %
 CE Total Clr, %
 Suct Vol Eff HE/CE, %
 Disch Event HE/CE, ms
 Suct Pseudo-Q HE/CE
 Gas Rod Ld Comp, lbf
 Gas Rod Ld Tens, lbf
 Gas Rod Ld Total, lbf
 Rod Pin Deg/%Rvrs lbf
 w Calc, MMSCFD
 HP

Throw 1

11-1/2RJ
 11.500
 454.5
 500.0
 DBL
 750.9
 6.87
 47
 0.9906
 75.94
 195
 9917
 9111
 0/2
 1.21+57.27
 0.00 (V)
 21.64
 22.85
 9748
 8956
 0/2
 22.40
 22.40
 53.2/54.0
 4.5/5.3
 8.9/8.6
 7198 C
 7029 T
 14227
 159/68.6
 0.956
 72.9

Throw 3

11-1/2RJ
 11.500
 454.5
 500.0
 DBL
 750.9
 6.87
 47
 0.9906
 75.94
 195
 9917
 9111
 0/2
 1.21+57.27
 0.00 (V)
 21.64
 22.85
 9748
 8956
 0/2
 22.40
 22.40
 53.2/54.0
 4.5/5.3
 8.9/8.6
 7198 C
 7029 T
 14227
 159/68.6
 0.956
 72.9

Throw 2

7-3/8RJ
 7.000
 1031.8
 1135.0
 DBL
 274.2
 58.51
 125
 0.9804
 273.80
 273
 7518
 7152
 0/2
 0.52+57.33
 0.00 (V)
 21.60
 22.12
 7172
 6823
 0/2
 22.79
 22.79
 51.7/50.4
 4.4/5.0
 6.5/5.9
 8412 C
 7779 T
 16191
 157/72.6
 0.956
 76.2

Throw 4

7-3/8RJ
 7.000
 1031.8
 1135.0
 DBL
 274.2
 58.51
 125
 0.9804
 273.80
 273
 7518
 7152
 0/2
 0.52+57.33
 0.00 (V)
 21.60
 22.12
 7172
 6823
 0/2
 22.79
 22.79
 51.7/50.4
 4.4/5.0
 6.5/5.9
 8412 C
 7779 T
 16191
 157/72.6
 0.956
 76.2

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