



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: 503

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 Clr Disch, °F

#### Gathering

##### #1

5.000  
 5.600  
 281.0  
 0.8741  
 1.2206  
 0.9690  
 0.9568  
 60.00  
 60.00  
 144.23  
 N/A  
 2.148  
 40.00  
 120.00

##### #2

5.000  
 5.600  
 210.1  
 0.8741  
 1.2074  
 0.9594  
 0.9483  
 N/A  
 140.06  
 255.27  
 250.00  
 1.751  
 120.00  
 120.00

#### Cylinder Data:

Cyl Model  
 Cyl Bore, in  
 Cyl RDP (API), psig  
 Cyl 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  
 Flow Calc, MMSCFD  
 Cyl HP

##### Throw 1

11-1/2RJ  
 11.500  
 454.5  
 500.0  
 DBL  
 750.9  
 49.92  
 45  
 0.9699  
 166.29  
 149  
 9917  
 9111  
 0/2  
 1.21+57.27  
 100.00 (V)  
 21.64  
 80.13  
 9748  
 8956  
 0/2  
 22.40  
 22.40  
 23.8/74.3  
 3.6/7.7  
 7.3/8.8  
 12194 C  
 11774 T  
 23968  
 177/91.2  
 2.800  
 140.5

##### Throw 3

11-1/2RJ  
 11.500  
 454.5  
 500.0  
 DBL  
 750.9  
 49.92  
 45  
 0.9699  
 166.29  
 149  
 9917  
 9111  
 0/2  
 1.21+57.27  
 100.00 (V)  
 21.64  
 80.13  
 9748  
 8956  
 0/2  
 22.40  
 22.40  
 23.8/74.3  
 3.6/7.7  
 7.3/8.8  
 12194 C  
 11774 T  
 23968  
 177/91.2  
 2.800  
 140.5

##### Throw 2

7-3/8RJ  
 7.000  
 1031.8  
 1135.0  
 DBL  
 274.2  
 129.77  
 123  
 0.9600  
 276.30  
 198  
 7518  
 7152  
 0/2  
 0.52+57.33  
 45.00 (V)  
 21.60  
 47.91  
 7172  
 6823  
 0/2  
 22.79  
 22.79  
 65.8/80.7  
 6.9/8.9  
 6.7/6.1  
 5887 C  
 5134 T  
 11021  
 163/77.1  
 2.800  
 105.0

##### Throw 4

7-3/8RJ  
 7.000  
 1031.8  
 1135.0  
 DBL  
 274.2  
 129.77  
 123  
 0.9600  
 276.30  
 198  
 7518  
 7152  
 0/2  
 0.52+57.33  
 45.00 (V)  
 21.60  
 47.91  
 7172  
 6823  
 0/2  
 22.79  
 22.79  
 65.8/80.7  
 6.9/8.9  
 6.7/6.1  
 5887 C  
 5134 T  
 11021  
 163/77.1  
 2.800  
 105.0

[REDACTED]  
[REDACTED]