

FORT ENERGY CORPORATION

CORBETT GAS PLANT

LSD: 15-10-62-6 W5M

2004

3521 wack / JGD 4 Ariel.

BOWER
DAMBERGER
ROLSETH
ENGINEERING
LTD.

ENERFLEX

UNIT COMMISSIONING DATA - Compressor Units

Total hrs: 51588 / last Run Winter 2012
last major overhaul 44000hrs

Unit No: 040574	Manufactured Date: October 20, 2004	Date: November 4, 2004
Send to Pamco: Edmonton	Attention:	Revision No.:
Project Manager: Kelly Mitchell	Project Engineer: David Burdzuik	Sales Engineer: Jim Forsyth

Customer: Trident Exploration	Address: #1300, 401 - 9 th Ave S.W. Calgary, Alberta T2P 3C5
Contact: Dan Bartsch	
Phone No: 403-770-6272	

Unit Location: FORT ENERGY	Site Contact:	Phone No.:
L.S.D.: 15-10-62-6 W5M	Contact for Spare Parts:	Phone No.:

Start-Up	As per sales order: <input type="checkbox"/>	No Allowance in sales order: <input checked="" type="checkbox"/>	Details:
Field Completion	As per sales order: <input type="checkbox"/>	No Allowance in sales order: <input checked="" type="checkbox"/>	Details:
Site Re-assembly	As per sales order: <input type="checkbox"/>	No Allowance in sales order: <input checked="" type="checkbox"/>	Details:
Performance Data	Attached: Yes	Date to Follow:	
Parts Manuals	Shipping Date:	Blueprints/Drawings: YES	
Parts Shortages:			

DRIVER MANUFACTURER: Waukesha	Model No.: 3521GL	S/N: C-15112/1
Ignition:	P/N:	Spark Plug P/N:
Harness:	P/N:	Eng. Fuel Filter P/N:
Air Filter P/N:	Starter Mfg: TDI	P/N: T112B-60001-B1R

COMPRESSOR: Ariel	Model No.: JGD/4	S/N: F-17414
CYL #1 S/N: C-60170	CYL #2 S/N: C-62466	CYL #3 S/N: N/A
CYL #4 S/N: N/A	CYL #5 S/N: N/A	CYL #6 S/N: N/A
COOLER: Air-X-Changers	Model No.: 132EH	Job No.: 44146A-10098
Inlet Separator: N/A	Filter Element P/N: N/A	
CONTROL PANEL: SYNTECH	Model No.: RC 10240	Serial No.: 4190111

Compressor Frame Parts List Attached: Yes Compressor Cylinder Parts List Attached: Yes
Cooler Dwg. Attached: Yes Tag No: 040574 Rev #: 0 Control Panel Dwg. Attached: Yes Dwg. No.: 4190111 Rev #: A
Drive Train Equipment Drawing Attached: Yes Dwg. No.: SF-28 Rev #: 2

GA Drawing No.: GA040574	Service Drawing No.: SF040574-20,21,22,24,26,27,28,70,72
Process Drawing No.: PF-040574-50	Other:



Company: EFX Compression
 Quote: 040574 & 040575
 7.4.1 Remarks:

Ariel Performance

Customer: Enerflex Leasing
 Inquiry:
 Project:



Compressor Data:

Elevation,ft: 2500.0
 Frame: JGK/2
 Max RL Tot, lbf: 74000
 Rated RPM: 1200
 Calc RPM: 1200.0

Barmtr,psia: 13.400
 Stroke, in: 5.50
 Max RL Tens, lbf: 37000
 Rated BHP: 1270.0
 Calc BHP: 685

Ambient,°F: 100.00
 Rod Dia, in: 2.000
 Max RL Comp, lbf: 40000
 Rated PS FPM: 1100.0
 Calc PS FPM: 1100.0

Driver Data:

Type: Nat. Gas
 Mfg: Waukesha
 Model: F3521GL
 BHP: 723
 Avail: 685 (38)

CUSTOM LIMITS

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	#2
0.000	0.000
5.027	5.027
351.6	320.9
0.5800	0.5800
1.2881	1.2889
0.9788	0.9572
0.9778	0.9676
130.00	N/A
130.00	443.62
451.96	1212.13
N/A	1200.00
3.245	2.682
60.00	120.00
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 Spcrrs 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 Spcrrs 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
 Xhd Pin Deg/%Rvrsl lbf
 Flow Calc, MMSCFD
 Cyl HP

Throw 2

11K	6-1/4K
11.000	6.250
768.2	1863.6
845.0	2050.0
DBL	DBL
713.9	222.4
120.71	420.99
68	126
0.9800	0.9588
476.81	1303.12
245	290
8663	8168
7575	9492
0/4	0/2
0.86+43.43	0.65+39.93
52.25 (V)	75.00 (V)
18.01	17.41
41.56	48.02
8376	7332
7324	8520
0/4	0/2
16.70	21.02
16.70	21.02
31.9/68.4	40.4/70.2
5.3/9.6	6.5/10.4
5.6/5.9	5.7/4.8
34268 C	28611 C
32297 T	22781 T
66565	51392
140/74.8	169/68.7
5.027	5.027
351.6	320.9

Throw 1

