



FES Systems Inc.

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternate Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

Form # NB-16, Rev. 12

1/2

FES Sales Order # 05-309-042

1. Manufactured and certified by: FES Systems Inc. 3475 Board Road PO Box 2306 (17405) York PA 17402 (Name and Address of Manufacturer)

2. Manufactured for: Turbine Air Systems, Ltd. 4300 Dixie Drive; Houston, TX 77021 (Name and Address of Purchaser)

3. Location of installation: SHELL EXPLORATION & PRODUCTION CO. NW COLORADO (Name and Address)

4. Type: VERTICAL 050389 - 05309042-09E - 14437 2005 (Horiz. or Vert Tank) (Mfgr's. Serial No.) (CRN) (Drawing No.) (Rev.) (Nat'l Bd. No.) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1: 2004 to --- N/A N/A (Year) (Addenda Date) (Code Case Nos.) (Special Service per UG-120d)

6. Shell: SA 516-70 .875" .125" 3' 10.250" 8' 9" (Mat'l (Spec. No. Grade) Nom. Thk. (In.) Corr. Allow. (In.) Diam. I.D. (ft. & in.) Overall Length (ft. & in.)

7. Seams: Dbl Butt SPOT 85 --- --- Sngl Butt SPOT 1 (Long (Welded, Dbl, Sngl, Lap, Butt) R.T. (Spot or Full) Eff (%) H.T. Temp (F) Time (hr.) Girth (Welded, Dbl, Sngl, Lap, Butt) R.T. (Spot, Partial or Full) No. of Courses)

8. Heads: (a) Mat'l. SA 516-70 (Spec. No., Grade) (b) Mat'l. SA 516-70 (Spec. No., Grade)

Table with 11 columns: Location (top bottom, ends), Minimum Thickness, Corrosion Allowance, Crown Radius, Knuckle Radius, Ellip Ratio, Conical Apex Angle, Hemispherical Radius, Flat Dia., Side to Pressure (Convex or Concave). Rows (a) and (b) show End locations with .875" thickness and .125" allowance, ELLIP. crown, and Concave side.

If removable, bolts used (describe other fastenings): N/A (Material, Spec. No., Grade, Size, No.)

9. MAWP: 450 psi at max. temp. 500 °F. Min. design metal temp. -20 °F at 450 psi. Hydro, pneu, or combination test pressure 585 psi.

10. Nozzles, Inspection, and Safety Valve Openings: Table with 10 columns: Purpose (Inlet, Outlet, Drain), No., Diameter or Size, Type, Material, Nom. Thk., Reinforcement Material, How Attached, Location. Row 1: Please see attached U-4.

11. Supports: Skirt NO (Yes or No) Lugs 2 (No.) Legs 0 (No.) Others 12 Supports (Describe) Attached Welded to the O.D. of vessel (Where and How)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: (Name of part, item number, Mfgr's name and identifying stamp)

(This vessel not designed for lethal, corrosive or nuclear service.) Exempt from impact testing per UCS-66(a) UG-20(f)

CERTIFICATE OF SHOP /FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization Number: 12,647 Expires 5/14/2008

Date: 12-6-2005 Co. Name (Manufacturer): FES Systems Inc. Signed (Representative): B. M. Jirmona

CERTIFICATE OF SHOP /FIELD INSPECTION

Vessel constructed by: FES Systems Inc. at 3475 Board Road, York PA 17402

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of PA and employed by the HSB CT have inspected the component described in this Manufacturer's Data Report on 12-6-2005 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date: 12-6-2005 Signed: [Signature] Commissions: NB319801A PA02541 (Authorized Inspector) National Board (including endorsements) State, Prov., and Number



FES Systems Inc.

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET

Form # NB-67, Rev. 1

AS REQUIRED BY THE PROVISIONS OF THE ASME CODE RULES, SECTION VIII, DIVISION 1

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FES Sales Order # 05-309-042

1. Manufactured and certified by: FES Systems Inc. 3475 Board Road PO Box 2306 (17405) York PA 17402 (Name and Address of Manufacturer)

2. Manufactured for: Turbine Air Systems, Ltd. 4300 Dixie Drive; Houston, TX 77021 (Name and Address of Purchaser)

3. Location of installation: SHELL EXPLORATION & PRODUCTION CO. NW COLORADO (Name and Address)

4. Type: VERTICAL 48" O.D. x 105" WSL OIL SEPARATOR 050389 (Horizontal or vertical, or sphere) (Tank, separator, heat exchanger, etc.) (Manufacturer's Serial Number) - 05309042-09E 14437 2005 (CRN) (Drawing No.) (National Board No.) (Year Built)

Table with columns: DATA REPORT ITEM NUMBER, REMARKS, Purpose (Inlet, Outlet, Drain), No., Diameter or Size, Type, Material, Nom. Thk., Reinforc'm't. Material, How Attached, Location. Rows include MANWAY, RELIEF, FLANGE, OIL RELIEF, GAS INLET, VENT, OIL OUT, HEATERS, GAS OUTLET, OIL FILL - PUMP OUT, T-WELL - BLNC PSTN, MISC CONNECTIONS, LEVEL TRANSMITTER.

Certificate of Authorization: Type: "U" Number: 12,647 Expires: 5/14/2008

Date: 12-6-2005 Name: FES Systems Inc. 3475 Board Road, York, PA 17402 (Manufacturer) Signed: B. m. J. [Signature] (Representative)

Date: 12-6-2005 Name: [Signature] (Authorized Inspector) Commission: W310801A PA02541 (Nat't Board incl. Endorsement, State, Province & No.)