APPENDIX B - U-1A FORMS

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

07/17/1998 S/O X-714231

1. Manufactured and certified by TRINITY INDUSTRIES, INC. 617 E. SYCAMORE, TX 76205 PLANT:#23
(NAME AND ADDRESS OF MANUFACTURER)

2. Manufactured for PROTON ENERGY SYSTEMS, 50 INWOOD RD. ROCKY HILL, CT
(NAME AND ADDRESS OF PURCHASER)

3. Location of installation Phoenix, Arizona
(NAME AND ADDRESS)

4. Type HORIZ (HORIZ. OR VERT. TANK) 123982 (MFGR'S SERIAL NO.) 714231 r- (CRN) (DRAWING NO.) 23729 (NAT'L BD. NO.) 1998 (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 1995 (YEAR)

to A97 (ADDENDA (DATE)) (CODE CASE NOS.) (SPECIAL SERVICE PER UG-120 (D))

6. Shell: SA612 (MAT'L (SPEC. NO., GRADE)) 0.517" (NOM. THK. (IN.)) 0" (CORR. ALLOW. (IN.)) 6'-10.966" (DIAM. I.D. (FT. & IN.)) 19'-0" (LENGTH (OVERALL) (FT. & IN.))

7. Seams: WELD, DBL (LONG. (WELDED, DBL., SNGL., LAP, BUTT)) FULL (R.T. (SPOT OR FULL)) 100% (EFF. (%)) ---- (H.T. TEMP. (F)) ---- (TIME (HR.)) WELD, DBL (GIRTH (WELDED, DBL., SNGL., LAP, BUTT)) UW-11a(5(b (R.T. (SPOT, PARTIAL, OR FULL)) 2 (NO. OF COURSES)

8. Heads: (a) Matl. SA455 HOT FORMED, NORM. (SPEC. NO., GRADE) (b) Matl. (SPEC. NO., GRADE)

Seg. Seams: WELD, DBL H.T.: R.T.: SPOT E#: 85%

	LOCATION (TOP, BOTTOM, ENDS)	MINIMUM THICKNESS	CORROSION ALLOWANCE	CROWN RADIUS	KNUCKLE RADIUS	ELLIPTICAL RATIO	CONICAL APEX ANGLE	HEMISPHERICAL RADIUS	FLAT DIAMETER	SIDE TO PRESSURE (CONVEX OR CONCAVE)
(A)	ENDS	0.327"	0"					41.673		CONCAVE
(B)								I.S.		

If removable, bolts used (describe other fastenings) (MAT'L, SPEC. NO., OR, SIZE, NO.)

9. MAWP 250 psi at max. temp. 125 °F
Min. design metal temp. -3 °F at 250 psi. Hydrostatic test pressure 375 psi.

10. Nozzles, inspection and safety valve openings: UW-16.1

PURPOSE (INLET, OUTLET, DRAIN)	NO.	DIAM. OR SIZE	TYPE	MAT'L	NOM. THK.	REINFORCEMENT MAT'L	HOW ATTACHED	LOCATION
MANWAY	1	15"	PTFLG	SA516-70N	2.50"	INTERGRAL	(1)	HEAD
FLOAT, ROT.	1,1	2.5",2"	CPLG	SA105	3000#		(y-2)	
TW,LL/PG	1,1	.75"	CPLG	SA105	6000#		(y-2)	
L.O.,SPARE	1,1	3",.25"	CPLG	SA105	6000#		(z-1)	
VAP,RELIEF	1,1	2"	CPLG	SA105	3000#		(y-1)(z-1)	
FILL,VAPOR	1,1	2"	CPLG	SA105	3000#		(z-1)	

11. Supports: Skirt NO (YES OR NO) Lugs (NO.) Legs (NO.) Other SADDLES (DESCRIBE) Attached SHELL, WELDED (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: Shell Assy S/N 2298085, Head S/N T373-37-H13, S/N 969-72
(NAME OF PART, ITEM NUMBER, MFGR'S. NAME AND IDENTIFYING STAMP)
Trinity Plts #22 and #373 Ft. North, TX and Frontera, Coahuila, Mexico
714231 SHT 1 REV.0, SHT 2 REV.0
TANK, HORIZONTAL, LPG STORAGE: 84" OD x 6,565 NOM WG
TO BE USED IN A NON-CORROSIVE SERVICE. MDMT -20 @ 207 PSI.
LINE 9: MDMT/PSI BASED ON UCS-66(a), UCS-66(b) AND UG-20 (f).

CERTIFICATE OF SHOP 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 No. 10,920 which expires Jan.15, 20 01

Date 9-21-98 Co. Name TRINITY INDUSTRIES, INC. (MANUFACTURER) Signed Mike Stanford (REPRESENTATIVE)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by TRINITY INDUSTRIES, INC. at DENTON TX 76205

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 TEXAS and employed by OLD REPUBLIC INS., CO.-DALLAS, TX

have inspected the component described in this Manufacturer's Data Report on 9-21, 19 98, 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 the Manufacturers' 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 9-21-98 Signed (AUTHORIZED INSPECTOR) Commissions 9723 (NAT'L BOARD (INCL. ENDORSEMENTS)) 1126 TX (STATE, PROV. AND NO.)

TR 437-CON2 (7/97)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by CP INDUSTRIES, INC., CHRISTY PARK PLANT, 2214 WALNUT STREET, McKEESPORT, PA 15132
(Name and address of Manufacturer)

2. Manufactured for PINNACLE WEST CAPITAL CORP., P.O. BOX 53999, MS 8948, PHOENIX, AZ 85072
(Name and address of Purchaser)

3. Location of installation NOT KNOWN
(Name and address)

4. Type HORIZ. (Horiz. or vert. tank) 46705 (Mfgr's serial No.) (CRN) 8X15993 REV. 1 (Drawing No.) 46705 (Nat'l Bd. No.) 2000 (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 1998 (Year)

to 1999 AND APPENDIX 22 (SF=3) (Addenda (Date)) (Code Case Nos.) (Special Service per UG-120(d))

6. Shell: SA372 GRADE J, CLASS 70 (Mat'l. (Spec. No., Grade)) 1.250" (Min. Thk. (in.)) 0 (Corr. Allow. (in.)) 16" (Diam. O.D. (in.)) 28'-0" (Length (overall) (ft. & in.))

7. Seams: SEAMLESS (Long. (Welded, Dbl., Sngl., Lap, Butt)) NONE (R.T.(Spot or Full)) 100 (Eff.(%)) (H.T. Temp(F)) (Time(hr)) SEAMLESS (Girth (welded, Dbl., Sngl., Lap, Butt)) NONE (R.T. (Spot, Partial or Full)) 1 (No. of Courses)

8. Heads: (a) Matl. SAME AS 6. (Spec No., Grade) (b) Matl. SAME AS 6. (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	ENDS	1.250"	0					8"		CONCAVE
(b)	(INTEGRALLY FORGED HEADS AND NECKS)									

If removable, ends used (describe other fastenings) _____ (Matl., Spec. No., Gr., Size, No.)

9. MAWP 6667 psi at max. temp. +200 °F

Min. design metal temperature -20 °F at 6667 psi. Hydrostatic test pressure 10001 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
INLET/OUTLET	2	2 3/4"	THREAD				FORMED IN	HEADS
OUTLET	1	1/2" NGT	THREAD				IN	HEAD

11. Supports: Skirt NO (Yes or no) Lugs 0 (No.) Legs 0 (No.) Other NONE (Describe) Attached N/A (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)

CONSTRUCTED IN ACCORDANCE WITH APPENDIX 22, INTEGRALLY FORGED VESSELS. DRY GAS STORAGE, NON CORROSIVE SERVICE.

VESSEL MATERIAL IMPACT TESTED PER UHT-6. LIQUID Q&T PER SA 372. SC 16045

UT NDT VESSEL OAL: 30'-0" PIPE NO: E838 MO 7412

CERTIFICATE OF SHOP 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 No 1127 expires 3/30 20 03.

Date: 9/26/00 Co. Name: CP INDUSTRIES, INC. (Manufacturer) Signed: [signature] (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by CP INDUSTRIES, INC. at McKEESPORT, PA. 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 PENNSYLVANIA and employed by ABS GROUP INC., HOUSTON, TX have inspected the component described in this Manufacturer's Data Report on 9/28 20 00, 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 9/28/00 Signed [signature] (Authorized Inspector) Commissions NB 11193 AB PA 2630 (Nat'l Board (incl. endorsements, State, Prov. and No.))

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by CP INDUSTRIES, INC., CHRISTY PARK PLANT, 2214 WALNUT STREET, McKEESPORT, PA 15132
(Name and address of Manufacturer)

2. Manufactured for PINNACLE WEST CAPITAL CORP., P.O. BOX 53999, MS 8948, PHOENIX, AZ 85072
(Name and address of Purchaser)

3. Location of installation NOT KNOWN
(Name and address)

4. Type HORIZ. (Horiz. or vert. tank) | 46708 (Mfgr's serial No.) | (CRN) | 8X15993 REV. 1 (Drawing No.) | 46708 (Nat'l Bd. No.) | 2000 (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 1998 (Year)

to 1999 AND APPENDIX 22 (SF=3) (Addenda (Date)) | (Code Case Nos.) | (Special Service per UG-120(d))

6. Shell: SA372 GRADE J, CLASS 70 (Mat'l. (Spec. No., Grade)) | 1.250" (Min. Thk. (in.)) | 0 (Corr. Allow. (in.)) | 16" (Diam. O.D. (in.)) | 28'-0" (Length (overall) (ft. & in.))

7. Seams: SEAMLESS (Long. (Welded, Dbl., Sngl., Lap, Butt)) | NONE (R.T.(Spot Or Full)) | 100 (Eff.(%)) | (H.T. Temp(F)) | (Time(hr)) | SEAMLESS (Girth (welded, Dbl., Sngl., Lap, Butt)) | NONE (R.T. (Spot, Partial or Full)) | 1 (No. of Courses)

8. Heads: (a) Matl. SAME AS 6. (Spec No., Grade) (b) Matl. SAME AS 6. (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	ENDS	1.250"	0					8"		CONCAVE
(b)	(INTEGRALLY FORGED HEADS AND NECKS)									

If removable, ends used (describe other fastenings) _____ (Matl., Spec. No., Gr., Size, No.)

9. MAWP 6667 psi at max. temp. +200 °F

Min. design metal temperature -20 ° F at 6667 psi. Hydrostatic test pressure 10001 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
INLET/OUTLET	2	2 3/4"	THREAD				FORMED IN	HEADS
OUTLET	1	1/2" NGT	THREAD				IN	HEAD

11. Supports: Skirt NO (Yes or no) Lugs 0 (No.) Legs 0 (No.) Other NONE (Describe) Attached N/A (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)

CONSTRUCTED IN ACCORDANCE WITH APPENDIX 22, INTEGRALLY FORGED VESSELS. DRY GAS STORAGE, NON CORROSIVE SERVICE.

VESSEL MATERIAL IMPACT TESTED PER UHT-6. LIQUID Q&T PER SA 372. SC16045

UT NDT VESSEL OAL: 30'-0" PIPE NO: E842 MO 7412

CERTIFICATE OF SHOP 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 No. 1127 expires 3/30 20 03.

Date: 9/26/00 Co. Name: CP INDUSTRIES, INC. (Manufacturer) Signed: [signature] (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by CP INDUSTRIES, INC. at McKEESPORT, PA. 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 PENNSYLVANIA and employed by ABS GROUP INC., HOUSTON, TX. have inspected the component described in this Manufacturer's Data Report on 9/28, 20 00, 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 9/28/00 Signed Michael F. Hirsh (Authorized Inspector) Commissions NB 11193 AB PA2630 (Nat'l Board (Incl. endorsements, State, Prov. and No.))

FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS
(Alternate Form for Single Chamber, Completely Shop-Fabricated Vessels Only)

as required by the provisions of the ASME Code rules, Section VIII, Division 1

CP INDUSTRIES, INC., CHRISTY PARK PLANT

1. Manufactured and certified by 2214 WALNUT STREET, MCKEESPORT, PA 15132
(name and address of manufacturer)

2. Manufactured for TEXN FUELS INC., 520 AUSTIN CENTRE, 701 BRAZOS, AUSTIN, TX .78701
(name and address of purchaser)

3. Location of installation NOT KNOWN
(state and address)

4. Type: HORIZ. | 42301 (part. or ref. no.) | (serial no.) | (CRN) | 8X15261Y R.7 (drawing no.) | 42301 (Nat'l Bd. no.) | 1992 (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 Code, Section VIII, Division 1: 1989 (year)
A90 AND APPENDIX 22 (SF=3) (supplemental details) (additional requirements) (reserve service per UG-120(e))

6. Shell: SA372 TYPE IV (mat'l (spec. no., grade)) | 1.093 MIN. (nominal thickness (in.)) | 0 (corr. allow. (in.)) | 20" O.D. (diameter) | 22' 4" (length (overall) (ft. & in.))

7. Seams: SEAMLESS (type (seamless, dbl. weld, sngl. lap, butt)) | NONE (RT (spot or full)) | 100 (joint eff. (%)) | (joint type) | SEAMLESS (longit. (seamless, dbl. weld, sngl. lap, butt)) | NONE (RT (spot, partial or full)) | 1 (no. of courses)

8. Heads: (a) SAME AS 6 (mat'l (spec. no., grade)) (b) SAME AS 6 (mat'l (spec. no., grade))

	Location (top, bottom, ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	ENDS	1.093"	0					10"		CONCAVE
(b)		(INTEGRALLY FORGED HEADS AND NECKS)								

If removable, bolts used (describe other fastenings) _____
(mat'l, spec. no., gr., size, no.)

9. MAWP: 4000 (psi) at max. temp. 200 (°F). Min design metal temp. -20 (°F) at 6000 (psi). Hydro., pneu-or-combined test pressure 6000 (psi)

10. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	No.	Diameter or Size	Type	Mat'l	Nom Thickness	Reinforcement Mat'l	Nozzle Attached	Location
INLET/OUTLET	2	2 3/4"	THREAD				FORGED	IN HEADS
OUTLET	1	1/2" NPT	THREAD					IN HEAD

11. Supports: Skirt NO (type or not) Lugs 0 (no.) Legs 0 (no.) Other NONE Attached NA

12. Remarks: Manufacturers' 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, mfr's name and identifying stamp)

THIS IS A BLANKED COPY OF THE ORIGINAL REPORT REGISTERED WITH THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS.

CONSTRUCTED IN COMPLIANCE WITH APPENDIX 22, INTEGRALLY FORGED VESSELS.
DRY GAS STORAGE - NON CORROSIVE SERVICE

EXECUTIVE DIRECTOR

PIPE NO. A856 M05192
SC06565

CERTIFICATE OF SHOP 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 no. 1127 expires 3/30 19 94

Date 7-22-92 Name CP INDUSTRIES, INC. (manufacturer) Signed [signature] (representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by CP INDUSTRIES, INC. at MCKEESPORT, PA

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the state or province of PENNSYLVANIA and employed by KEMPER NATIONAL INSURANCE COMPANIES of LONG GROVE, IL have inspected the component described in this Manufacturers' Data Report on 8-11, 1992 and state that, to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the 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 the Manufacturers' 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 8-11 19 92 Signed [signature] (authorized inspector) Commissions NB 8153 PA 2127 (Nat'l Bd. and state/province and/or city, prov. and no.)

This form may be obtained from The National Board of Boiler and Pressure Vessel Inspectors, 1055 Crupper Ave., Columbus, OH 43229 NB-18 Rev. 9

THIS IS A CERTIFIED COPY OF ORIGINAL DATA REGISTERED WITH THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS.

FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS

(Alternate Form for Single Chamber, Completely Shop-Fabricated Vessels Only)

as required by the provisions of the ASME Code rules, Section VIII, Division 1

CP INDUSTRIES, INC., CHRISTY PARK PLANT

1. Manufactured and certified by 2214 WALNUT STREET, MCKEESPORT, PA 15132 (name and address of manufacturer)

2. Manufactured for TRIM FUELS INC., 520 AUSTIN CENTRE, 701 BRAZOS, AUSTIN, TX .78701 (name and address of purchaser)

3. Location of installation NOT KNOWN (name and address)

4. Type: HORIZ. (horiz. or vert., state) 42302 (mfr's. serial no.) (CRN) 8X15261Y R.7 (drawing no.) 42302 (Nat'l. Bd. no.) 1992 (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 Code, Section VIII, Division 1: 1989 (edition)
A90 AND APPENDIX 22 (SP-3) (addenda (date)) (additional Code cases) (applicable service per UG-120(b))

6. Shell: SA372 TYPE IV (mat'l. specs. no., grade) 1.093 MIN. (nominal thickness, in.) 0 (corr. allow. in.) 20" O.D. (inside diameter) 22' 4" (length overall ft. & in.)

7. Seams: SEAMLESS (long. welded, dbl., butt, lap, lap, butt) NONE (RT spot or none) 100 (RT %) (RT meth. (*F)) (circ. (in.)) SEAMLESS (girth welded, dbl., butt, lap, lap, butt) NONE (RT spot, partial or none) 1 (no. of courses)

8. Heads: (a) SAME AS 6 (mat'l. specs. no., grade) (b) SAME AS 6 (mat'l. specs. no., grade)

	Location (top, bottom, ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	ENDS	1.093"	0					10"		CONCAVE
(b)		(INTEGRALLY FORGED HEADS AND NECKS)								

If removable, bolts used (describe other fastenings): (mat'l. spec. no., gr., size, no.)

9. MAWP: 4000 (psi) at max. temp. 200 (°F). Min design metal temp. -20 (°F) at 4000 (psi). Hydro. ~~pneumatic test~~ pressure 6000 (psi)

10. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	No.	Diameter or Size	Type	Mat'l	Nom. Thickness	Reinforcement Mat'l	How Attached	Location
INLET/OUTLET	2	2 3/4"	THREAD				FORMED	IN HEADS
OUTLET	1	1/2" NPT	THREAD					IN HEAD

11. Supports: Skirt NO (type or no.) Lugs 0 (no.) Legs 0 (no.) Other NONE (description) Attached NA (saddle, lug, base)

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

CONSTRUCTED IN CONFORMANCE WITH APPENDIX 22, INTEGRALLY FORGED VESSELS.
DRY GAS STORAGE - NON CORROSIVE SERVICE UHT-6
PIPE NO. AR80 N05192
SC06585

CERTIFICATE OF SHOP 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 no. 1127 expires 3/30 19 94

Date 7-22-92 Name CP INDUSTRIES, INC. (manufacturer) Signed (representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by CP INDUSTRIES, INC. at MCKEESPORT, PA.

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the state or province of PENNSYLVANIA and employed by KEMPER NATIONAL INSURANCE COMPANIES of LONG GROVE, IL have inspected the component described in this Manufacturers' Data Report on 7-11, 19 92 and state that, to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the 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 the Manufacturers' Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or losses of any kind arising from or connected with this inspection.

Date 8-11, 19 92 Signed (commissioned inspector) Commissions NB8153 PA2227 (Nat'l. Bd. and endorsements, state, prov. and no.)

This form may be obtained from The National Board of Boiler and Pressure Vessel Inspectors, 1055 Crupper Ave., Columbus, OH 43229 NB-18 Rev. 9

CERTIFIED COPY ... REGISTERED WITH THE NATIONAL BOARD OF BOI... AND PRESSURE VESSEL INSPECTORS.

FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS

(Alternate Form for Single Chamber, Completely Shop-Fabricated Vessels Only)

as required by the provisions of the ASME Code rules, Section VIII, Division 1

1. Manufactured and certified by CP INDUSTRIES, INC., CHRISTY PARK PLANT, 2214 WALNUT STREET, MCKEESPORT, PA 15132 (name and address of manufacturer)

2. Manufactured for TRIM FUELS INC., 520 AUSTIN CENTER, 701 BRAZOS, AUSTIN, TX .78701 (name and address of purchaser)

3. Location of installation NOT KNOWN (name and address)

4. Type: HORIZ. (horiz. or vert., saddle) | 42303 (mfr's. serial no.) | (CRN) | 8X15261Y R.7 (drawing no.) | 42303 (Nat'l Bd. no.) | 1992 (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 Code, Section VIII, Division 1: 1989 (year)
A90 AND APPENDIX 22 (SP-3) (material specs.) (design calculations) (special service per UG 120(d))

6. Shell: SA372 TYPE IV (plate, type, no., grade) | 1.093 MIN. (plate thickness on in.) | 0 (corr. allow. on in.) | 20" O.D. (inside diameter) | 22' 4" (length overall (ft. & in.))

7. Bearers: STAINLESS (stang, (welded), (bolt), (angle, bar, bent)) | NONE (PWT (spot or full)) | 100 (arc (deg.)) | (PWT temp. (°F)) | (done (in.)) | STAINLESS (plate (welded), (bolt), (angle, bar, bent)) | NONE (PWT (spot, partial, or full)) | 1 (no. of courses)

8. Heads: (a) SAME AS 6 (mat'l (spec. no., grade)) (b) SAME AS 6 (mat'l (spec. no., grade))

	Location (top, bottom, middle)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Effective Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	ENDS	1.093"	0					10"		CONCAVE
(b)	(INTEGRALLY FORGED HEADS AND NECKS)									

If removable, bolts used (describe other fastenings): (bolt, spec. no., gr., size, no.)

9. MAWP: 4000 (psi) at max. temp. 200 (°F). Min design metal temp. -20 (°F) at 4000 (psi). Hydro. test pressure 6000 (psi).

10. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	No.	Diameter or Size	Type	Mat'l	Nom. Thickness	Reinforcement Req'd	How Attached	Location
INLET/OUTLET	2	2 3/4"	THREAD				FORGED	IN HEADS
OUTLET	1	1/2" NGT	THREAD					IN HEAD

11. Supports: Skirt NO (yes or no) Lugs 0 (no.) Legs 0 (no.) Other NONE (description) Attached NA (where & how)

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

CONSTRUCTED IN CONFORMANCE WITH APPENDIX 22, INTEGRALLY FORGED VESSELS.
DRY GAS STORAGE - NON CORROSIVE SERVICE UHT-6
PIPE NO. A864 N05192
SC06565

CERTIFICATE OF SHOP 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 no. 1127 expires 3/30 19 94

Date 7-23-92 Name CP INDUSTRIES, INC. (manufacturer) Signed [signature] (representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by CP INDUSTRIES, INC. at MCKEESPORT, PA

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the state or province of PENNSYLVANIA and employed by KEMPER NATIONAL INSURANCE COMPANIES of LONG GROVE, IL have inspected the component described in this Manufacturers' Data Report on 7-23 19 92 and state that, to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the 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 the Manufacturers' 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 7-23 19 92 Signed [signature] (authorized inspector) Commissions NB153 PA2237 (Nat'l Bd. and state or prov. and no.)

This form may be obtained from The National Board of Boiler and Pressure Vessel Inspectors, 1055 Crupper Ave., Columbus, OH 43229 NB-18 Rev. 9

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

1. Manufactured and certified by CP INDUSTRIES, INC., CONLEY PAR PLANT, 1314 HALIDY STREET, MONESSEN, PA 15133
(Name and address of manufacturer)

2. Manufactured for SONIC DRILL COMPANY, P.O. BOX 3258, CORPUS CHRISTI, TX 78469
(Name and address of purchaser)

3. Location of installation NOT KNOWN
(Name and address)

4. Type HORIZ. (Horiz. or vert. vert) 43198 (Mfg's serial No.) (CRN) 4315652 Rev. 1 (Drawing no.) 43198 (Nat'l Bd. No.) 1993 (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 1993 (Year)

to NONE ADD APPENDIX 22 (87+1)
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA372 TYPE V, CL.5, CL. 8 (Mat. (Spec. No., Grade)) 1.383 in. (Nom. Thk. (in.)) 0 (Corr. Allow. (in.)) 36" O.D. (Diam Adj(ft.-&-in.)) 11'-6" (Length (overall) (ft. & in.))

7. Seams: SEAMLESS (Long. (Welded, Dbl., Sngl., Lap, Butt)) NONE (R.T. (Spot or Full)) 100 (Eff. (%)) (H.T. Temp (F)) (Time (hr)) SEAMLESS (Girth (welded, Dbl., Sngl., Lap, Butt)) NONE (R.T. (Spot, Partial, or Full)) 1 (No. of Courses)

8. Heads: (a) Mat. SAME AS S (Spec.No., Grade) (b) Mat. SAME AS S (Spec.No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	BOTH	1.383"	0					36"		CONCAVE
(b)	(INTEGRALLY FORGED BOTH ENDS)									

If removable, bolts used (describe other fastenings) (Mat., Spec. No., Gr., Size, No.)

9. MAWP 5500 psi at max. temp. 100 °F
Min. design metal temp. -20 °F at 5500 psi. Hydro., pneu. or comb. test pressure 8250 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat.	Nom. Thk.	Reinforcement Mat.	How Attached	Location
INLET/OUTLET	2	2 1/4"	THREAD				FORGED IN SHELL	
DRY	1	1/2" NPT	THREAD					TOP HEAD

11. Supports: Skirt NO (Yes or no) Lugs 0 (No.) Legs 0 (No.) Other NONE (Describe) Attached NO (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 this report:
(Name of part, item number, Mfg's name and identifying stamp)
CONSTRUCTED IN CONFORMANCE WITH APPENDIX 22, INTEGRALLY FORGED VESSELS
NOT GAS STORAGE, NON CORROSIVE SERVICE

PIPE No.: C165

CERTIFICATE OF SHOP 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 No. 1127 expires 3/30, 19 94
Date 6/27/93 Co. name CP INDUSTRIES, INC. Signed
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by CP INDUSTRIES, INC. at MONESSEN, PA

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by HARTFORD NATIONAL INSURANCE COMPANIES, LONG GROVE, IL have inspected the component described in this Manufacturer's Data Report on 9-7, 19 93, 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 9-7-93 Signed (Authorized Inspector) Commissions NB815368 PA2227 (Nat'l Board. (incl. endorsements) State, Prov. and No.)

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

1. Manufactured and certified by CP INDUSTRIES, INC., CHRISTY PARK PLANT, 2214 VALLEY STREET, MCKEESPORT, PA 15132
(Name and address of manufacturer)

2. Manufactured for [illegible] ENGINE COMPANY, P.O. BOX 8258, CORPUS CHRISTI, TX 78469
(Name and address of purchaser)

3. Location of installation NOT KNOWN
(Name and address)

4. Type HORIZ. (Horiz. or vert. tank) | 43988 (Mfg's serial No.) | (CRN) | 4R15652 Rev 1 (Drawing no.) | 43988 (Nat'l Bd. No.) | 1993 (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 1993 (Year)

to [illegible] AND APPENDIX 22 (HP-1)
Addenda (Date) | Code Case No.: | Special Service per UG 120(d)

6. Shell: SA372 TYPE V, GR.5, CL. I (Mat. (Spec. No., Grade)) | 1.343 min. (Nom. Thk. (in.)) | 0 (Corr. Allow. (in.)) | 28" O.D. (Diam. (ID/in.-ft.-in.)) | 11'-5" (Length (overall) (ft. & in.))

7. Seams: SEAMLESS (Long. (Welded, Dbl., Sngl., Lap, Butt)) | NONE (R.T. (Spot or Full)) | 100 (Eff. (%)) | (H.T. Temp (F)) | (Time (hr)) | SEAMLESS (Girth (welded, Dbl., Sngl., Lap, Butt)) | NONE (R.T. (Spot, Partial, or Full)) | 1 (No. of Courses)

8. Heads: (a) Mat. SAME AS 6 (Spec No., Grade) (b) Mat. SAME AS 6 (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	ENDS	1.343"	0					14"		CONCAVE
(b)	(INTEGRALLY FORGED HEADS AND SKIRTS)									

If removable, bolts used (describe other fastenings) _____
(Mat., Spec. No., Gr., Size, No.)

9. MAWP 5500 psi at max. temp. 200 °F
Min. design metal temp. -20 °F at 5500 psi. Hydro., pneumatic, or combined test pressure 8250 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
INLET/OUTLET	2	2 3/4"	THREAD					BOTTOM IN TOWER
DRY	1	1/2" NPT	THREAD					IN TOWER

11. Supports: Skirt NO (Yes or no) Legs 0 (No.) Lugs 0 (No.) Other NONE (Describe) Attached N/A (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, Mfg's name and identifying stamp)

CONSTRUCTED IN CONFORMANCE WITH APPENDIX 22, INTEGRALLY FORGED VESSELS
NOT FOR STORAGE, NON CORROSIVE SERVICE

THIS IS A CERTIFIED COPY OF ORIGINAL DATA REPORT WITH THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS. NB-6
EXECUTIVE DIRECTOR

PIPE NO.: C473 SCHEDULE

CERTIFICATE OF SHOP 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 No. 1127 expires 3/30, 19 94.

Date 9/3/93 Co. name CP INDUSTRIES, INC. Signed [signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by CP INDUSTRIES, INC. at MCKEESPORT, PA

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by KEMPER NATIONAL INSURANCE COMPANIES, LONG GROVE, IL have inspected the component described in this Manufacturer's Data Report on 9-7, 19 93, 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 9-7-93 Signed [signature] Commissions NB8153AB PA2227
(Authorized Inspector) (Nat'l Board, (incl. endorsements) State, Prov. and No.)

This form may be obtained from The National Board of Boiler and Pressure Vessel Inspectors, 1055 Crapper Ave., Columbus, OH 43228

NB-16 Rev. 10

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

1. Manufactured and certified by CP INDUSTRIES, INC., CHRISTY PARK PLANT, 7214 HILBERT STREET, MCKEESPORT, PA 15132
(Name and address of manufacturer)

2. Manufactured for GUIDEL ENERGY COMPANY, P.O. BOX 9250, COLUMBUS CHRISTY, PA 72403
(Name and address of purchaser)

3. Location of installation FORT KNOX
(Name and address)

4. Type HORIZ. (Horiz. or vert. unit) 13101 (Mfg's serial No.) (CRN) 013652 REV. 1 (Drawing no.) 43001 (Nat'l Bd. No.) 1993 (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 1992
Year
as NONE REQ APPENDIX 22 (87-3)
Addenda (Date)

	Material (Spec. No., Grade)	Nom. Thk. (in.)	Corr. Allow. (in.)	Design Pressure (Psi-in-Deg)	Special Service per UG 120(d)
6. Shell:	SA572 TYPE 1, GR.5, CL. A	1.343 MIN.	0	50" W.C.	11'-6" Length (overall) (ft. & in.)

7. Seams: SEAMLESS (Long. (Welded, Dbl., Sngl., Lap, Butt)) FULL (R.T. (Spot or Full)) 100 (%) (H.T. Temp (F)) (Time (hr)) SEAMLESS (Girth (welded, Dbl., Sngl., Lap, Butt)) NONE (R.T. (Spot, Partial, or Full)) 1 (No. of Courses)

8. Heads: (a) Used SAME AS 6 (Spec No., Grade) (b) Mat. SAME AS 6 (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	BOTH	1.343"	0					18"		CONCAVE
(b)	(INTEGRALLY FORMED HEADS AT ENDS)									

If removable, bolts used (describe other fastenings) _____ (Mat., Spec. No., Gr., Size, No.)

9. MAWP 5500 psi at max. temp 200 °F
Min. design metal temp. -20 °F at 5500 psi. Hydro., pneumatic, test pressure 8250 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat.	Nom. Thk.	Reinforcement Mat.	Flange Attached	Location
INLET/OUTLET	2	2 3/4"	THREAD				PIPED IN HOME	
OUT	1	1/2" NPT	THREAD					IN HOME

11. Supports: Skirt NO (Yes or no) Legs 1 (No.) Legs 1 (No.) Other NONE (Describe) Attached (Welded and How) N

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

CONSTRUCTED IN CONFORMANCE WITH APPENDIX 22, INTEGRALLY FORMED VESSELS
FOR GAS STORAGE, NON CORROSIVE SERVICE

THIS IS A CERTIFIED COPY OF THE MANUFACTURER'S DATA REPORT REGISTERED WITH THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS.

EXECUTIVE DIRECTOR
NBIBPVI

CERTIFICATE OF SHOP 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 No. 1127 expires 3/30, 19 94
Date 9/3/93 Co. name CP INDUSTRIES, INC. Signed _____
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by CP INDUSTRIES, INC. at MCKEESPORT, PA

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by KEMPER NATIONAL INSURANCE COMPANIES, LONG GROVE, IL have inspected the component described in the Manufacturer's Data Report on 9-7, 19 93, 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 9-7-93 Signed _____ Commissions NB815388 PA2227
(Authorized Inspector) (Nat'l Board, (and endorsements) State, Prov. and No.)

This form may be obtained from The National Board of Boiler and Pressure Vessel Inspectors, 1055 Crupper Ave., Columbus, OH 43229

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Rev. 10