

# TMS

Operator Programming Guide

## Programming Guide and Operating Instructions for the

## PETROSMART EZ Console

### Read This Book

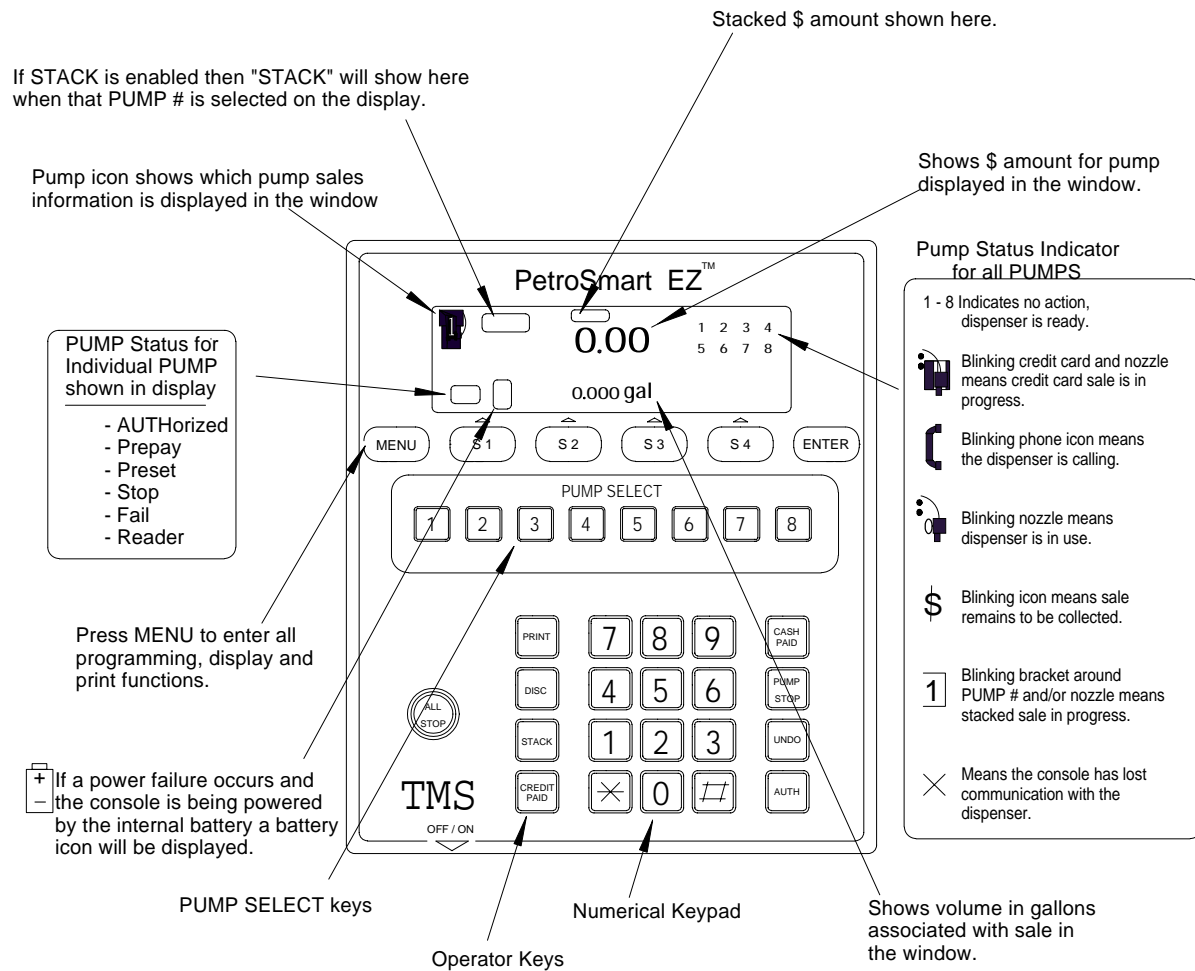
This book has important information for the safe installation and operation of this equipment. Read and understand this book before applying power. Keep this book and tell all service personnel to read this book. If you do not follow the instructions, you can cause damage to the equipment, injury, or death.

Triangle MicroSystems inc.  
2716 Discovery Drive  
Raleigh, NC 27604

Version # 3, 0007

# PetroSmart EZ<sup>®</sup>

## 8 Position \* Console Nomenclature



Note: Each PUMP SELECT position (1 - 8) refers to one side of a dispenser.

\* The 16 position, EZ console, is identical to the above, except for 8 additional positions.

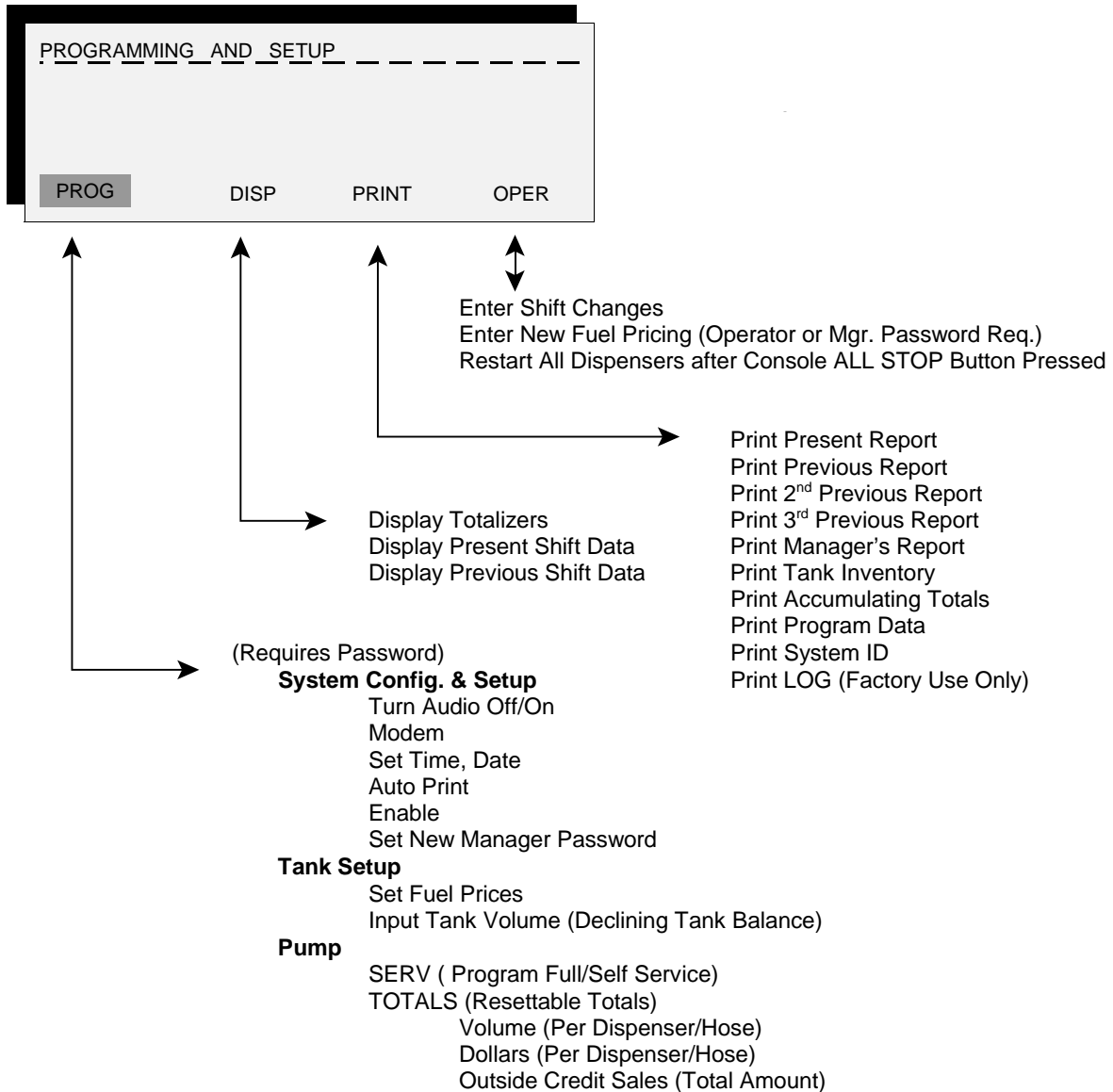
# TABLE of CONTENTS

I - 1	EZ Console Program, Overview .....	Page 1
I - 2	Initial Console Setup, Clearing the Memory .....	Page 2
II - 1	Program, System Configuration and Setup .....	Page 3
II - 2	Program, Audio Response .....	Page 3
II - 3	Program, PC/Modem Connection .....	Page 4
II - 4	Program, Time, Date .....	Page 6
II - 5	Program Printer .....	Page 8
II - 6	Program, Enable .....	Page 10
	Prepay .....	Page 10
	Stacking .....	Page 10
	Discount .....	Page 10
	Forced Pay .....	Page 10
	Auto Authorize .....	Page 11
	Debit .....	Page 11
II - 7	Program, Manager's Password .....	Page 11
III - 1	Program, Product Pricing .....	Page 12
III - 2	Program, Tank Volumes .....	Page 13
IV - 1	Program, Full & Self Serve .....	Page 14
IV - 2	Program, Resettable Totals .....	Page 14
	Volume per Hose .....	Page 14
	\$ per Hose (with Manager's Password) .....	Page 15
	Total Outside Credit (\$) .....	Page 16
V - 1	Display Console Totalizers .....	Page 17
	Product Totals .....	Page 17
	Outside Credit Sales .....	Page 18
	Products by Hose .....	Page 18
V - 2	Display Present Shift Data, Time & Grand Totals .....	Page 20
	Present Shift, Tank Information .....	Page 21
	Present Shift, Totals per Hose .....	Page 22
	Present Shift, Total Outside Credit .....	Page 23
	Present Shift, Date, Time, Start .....	Page 24
V - 3	Display Previous Shift Data .....	Page 25
	Previous Shift, Tank Information .....	Page 25
	Previous Shift, Totals per Hose .....	Page 25
	Previous Shift, Total Outside Credit .....	Page 25
	Previous Shift, Date, Time, Start .....	Page 25
VI - 1	Print Operational Reports .....	Page 26
VI - 2	Print System Data .....	Page 27
	Declining Balance, Fuel Inventory .....	Page 27
	Non-Resettable Product Activity .....	Page 27
	Console Configuration Program .....	Page 27
	System ID .....	Page 27
	Log .....	Page 28
VI - 3	Operating Functions .....	Page 28
	Change Shifts .....	Page 28
	Manager Shift Change .....	Page 29
	Change Fuel Prices (with Operator's Password) .....	Page 30
	ALL PUMP Start .....	Page 31
VII - 1	Data Form .....	Page 33

# I - 1, EZ Console Program, Overview

The initial PetroSmart EZ console programming must be accomplished using the EZ Config program using a PC directly connected to the console or via a remotely connected PC. Some programming steps can be performed directly through the EZ console but not all. The EZ Config program is available with every system and/or can be downloaded from the TMS web site, [trianglemicrosystems.com](http://trianglemicrosystems.com). The programming and operation of the EZ console is organized as follows:

Press the MENU button and the screen will display the following screen. Note that the first programming section, PROG at the bottom of the screen is highlighted. Pressing the S1, S2, S3 or S4 keys will change which of the sections are highlighted. Pressing ENTER, with the desired section highlighted, provides the pathway to programming the EZ console.



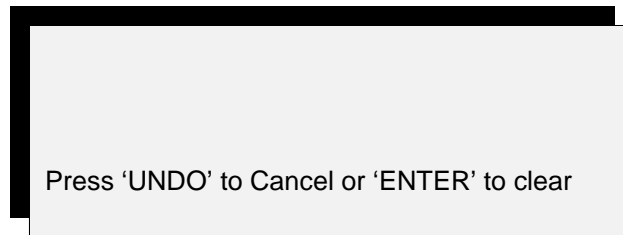
Programming the PetroSmart EZ directly through the console is limited. The initial programming must be accomplished using the EZ Config program via a directly connected PC or through a remote PC.

## I - 2, Initial Console Setup (Clearing the Memory)

After the **initial installation** has been completed and power is applied to the entire system the EZ console should be cleared before starting the programming procedure.

**BEWARE:** This step will clear all previously stored programming and stored data from the EZ console, and the data lost is not recoverable. The PetroSmart terminal is not affected.

To clear the EZ console turn the ON/OFF key to the OFF position. While pressing and holding the UNDO button, turn the EZ console ON. The screen will display the following:



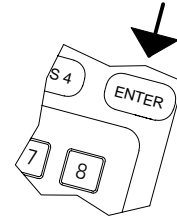
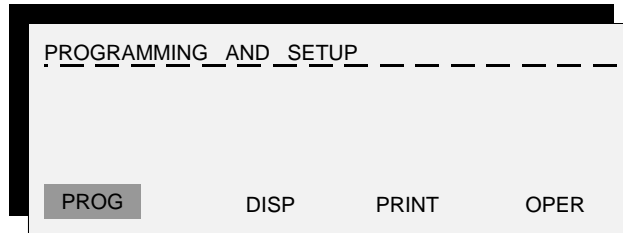
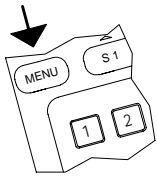
Press ENTER, and the console will prompt for the PASSWORD. If programming for the first time enter the factory default PASSWORD, "1234". The system will go through a short self-test and then the following main operator screen will be displayed.



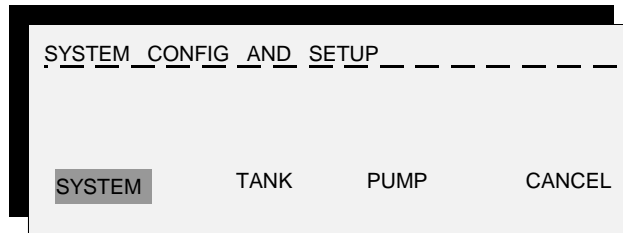
All dashes means that the PetroSmart EZ console is not programmed.

## II -1, Program, System Configuration and Setup

When the MENU button is pressed the screen below is displayed. Available programming steps, printing options, and display functions are entered through this opening screen.



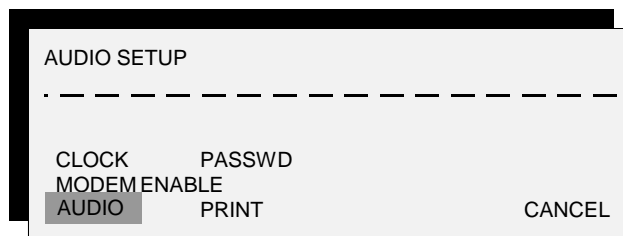
PROG will be highlighted, press ENTER and the display will prompt for the PASSWORD. If programming for the first time enter the factory default PASSWORD, "1234". The system will go through a short self-test and then the following screen will be displayed.



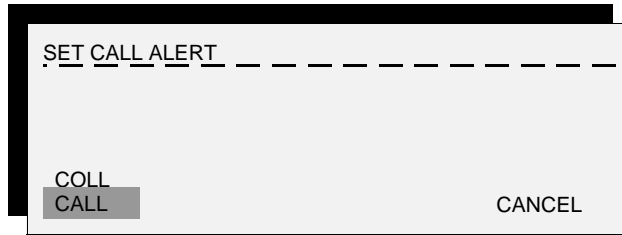
All the following programming steps, reports, shift changes, totalizers, etc., in the following sections, will start from the above display.

## II - 2, Program, Audio Response

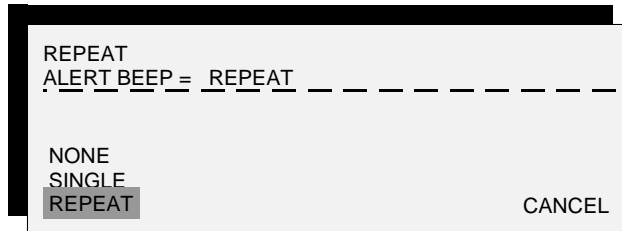
From the System Config. & Setup screen, with SYSTEM highlighted, press ENTER and the screen will display the following:



AUDIO will be highlighted, press ENTER and the screen will display the following:



Toggling the S1 key scrolls between COLL and CALL. COLL refers to the audio collect function and CALL refers to the audio call function. Select a choice, press ENTER and the screen will display the following:



Toggle the S1 key, highlight a choice and press ENTER.

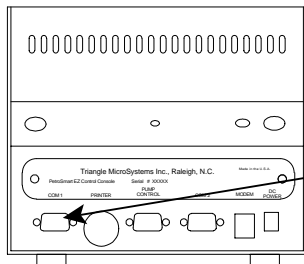
- NONE - Turns OFF the Audio notification.
- SINGLE - Allows only one Audio tone.
- REPEAT - Allows continuous beep.

When finished press the S4 key, highlight CANCEL and press ENTER to return to the previous screen or press MENU, to return to the main operations screen.

## II - 3 Program, Modem Connection

The communication program required for downloading the programmed information from the console or to the console is called the EZ Config program. The PetroSmart EZ console has an onboard modem used for PC communications. The EZ Config program can be obtained from your installing dealer, calling Triangle MicroSystems Inc., or downloading from [trianglemicrosystems.com](http://trianglemicrosystems.com).

This function provides a means for backing up all system information as well as downloading from a remote site. The EZ Config program can be loaded onto a laptop computer for direct communication to the EZ console. It is recommended that the EZ console configuration setup be accomplished using the direct connected PC and then using this modem function to backup to a remote computer.



The PetroSmart EZ can be programmed using a PC, which is directly connected, via a serial cable, to the PetroSmart EZ console or using a remote PC, which is connected to the PetroSmart EZ via standard telephone lines.

Connect the serial cable to the console on the COM 1 port.

## To Program the MODEM Function

Press the MENU button, with PROG highlighted, press ENTER, enter the PASSWORD when prompted, and press ENTER. From the System Config. & Setup screen, with SYSTEM highlighted, press ENTER and the screen will display the following:

```
AUDIO SETUP
.-----
CLOCK      PASSWD
MODEM      ENABLE
AUDIO      PRINT
                                CANCEL
```

Toggle the S1 key, highlight MODEM, press ENTER, and the screen will display the following:

```
MODEM STATUS
PC CONNECTION = MODEM
.-----
HANGUP
DIAL
STATUS      PHONE#
                                CANCEL
```

The first step should be to enter the PHONE #, that you wish the EZ console to dial. Press the S2 key, highlight PHONE # and the screen will display the following:

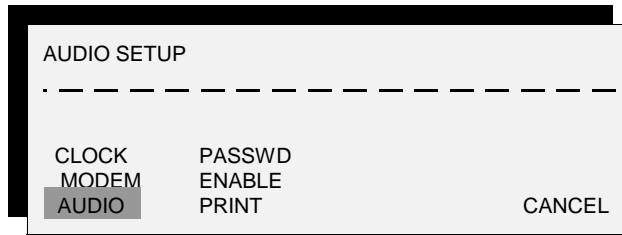
```
ENTER PHONE NUMBER THEN PRESS
ENTER OR PRESS UNDO TO EXIT
.-----
PHONE # = -----
NEW PHONE # = -----
```

Enter the phone number that the PetroSmart EZ will call, using the area code or dial out extension if needed. Pressing ENTER will return the screen to the AUDIO screen.

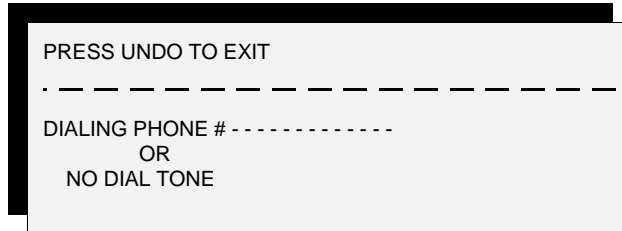
Pressing the S1 key, highlighting STATUS will display the MODEM status as follows:

```
PRESS UNDO TO EXIT
.-----
IDLE or CONNECTED
```

Press the UNDO key on the EZ console and the screen will return to the AUDIO screen.



Press the S1 key, highlight DIAL and press ENTER and the screen will display:

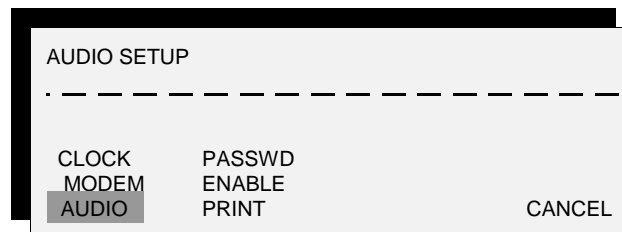


Depending on the status of the modem either one of the above messages will be displayed. The phone number shown is the number that was programmed into the console and that the EZ console is trying to call. To hang up the modem, when connected, press the S1 Key, highlight HANGUP and press ENTER.

## II - 4 Program, Time, Date

NOTE: If the EZ console is being used to operate dispensers with credit card terminals and is connected to the PetroSmart payment terminal, then the DATE and TIME will automatically be downloaded to the EZ console from the PetroSmart terminal. If not connected to the PetroSmart terminal then follow the procedure below.

Press the MENU button, with PROG highlighted, press ENTER, enter the PASSWORD when prompted, and press ENTER. From the System Config. & Setup screen, with SYSTEM highlighted, press ENTER and the screen will display the following:





## To Set the Date

Toggle the S1 key, highlight Clock, press ENTER, and the screen will display the following:



```
SET TIME
-----
DATE
TIME
CANCEL
```

Toggle the S1 key, highlight DATE, press ENTER, and the screen will display the following:



```
SET YEAR
00 / 00 / 00      NEW = 00
-----
YEAR
MONTH
DAY
CANCEL
```

Toggle the S1 key, to highlight the YEAR, MONTH and DAY. Using the numbers on the lower keypad of the console enter the values for each entry. Each entry will be shown next to (NEW = ) . Pressing ENTER will move the entry to the left portion of the upper display and into memory.

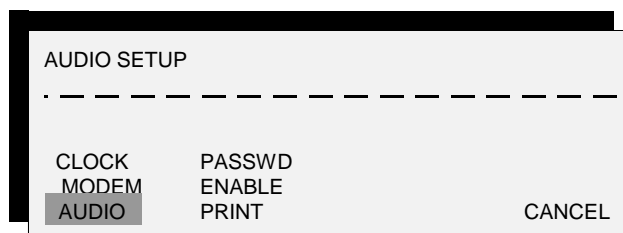
When finished press the S4 key, highlight CANCEL and press ENTER to return to the previous screen or press MENU, to return to the main operations screen.

## II - 5 Program Printer

If the PetroSmart EZ system is used with pay-at-the-pump dispensers and the PetroSmart payment terminal is attached to the EZ console, the custom receipt header is preprogrammed in the payment terminal. Call Special Service Systems if header changes are required. The new header information will be remotely downloaded into the terminal.

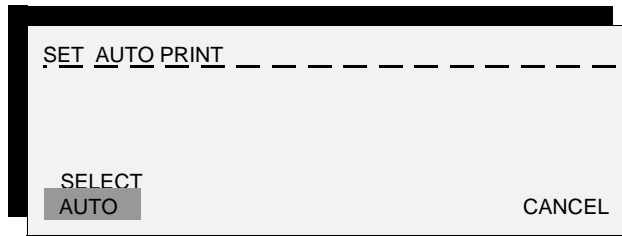
If using the PetroSmart EZ without pay-at-the-pump dispensers then the Custom Receipt Header must be programmed using the EZ Config PC program. A copy of the program is available through your TMS dealer, or from the TMS web site, [trianglemicrosystems.com](http://trianglemicrosystems.com).

Press the MENU button, with PROG highlighted, press ENTER, enter the PASSWORD when prompted, and press ENTER. From the System Config. & Setup screen, with SYSTEM highlighted, press ENTER and the screen will display the following:

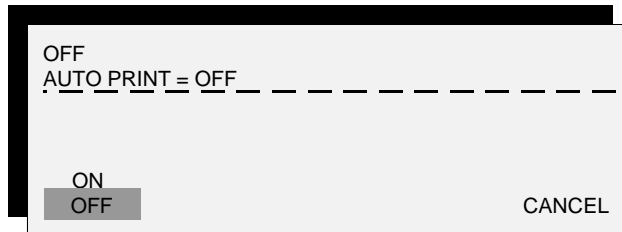


```
AUDIO SETUP
-----
CLOCK      PASSWD
MODEM      ENABLE
AUDIO      PRINT
CANCEL
```

Press the S2 key, highlight PRINT, press ENTER and the following screen will be displayed:

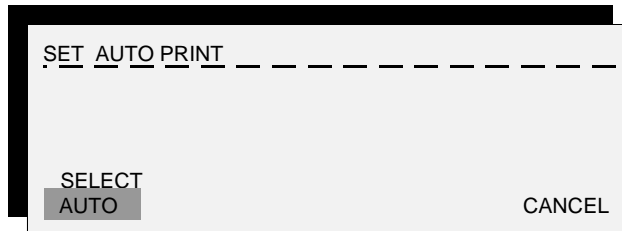


With AUTO highlighted, press ENTER, and the screen displays the following.

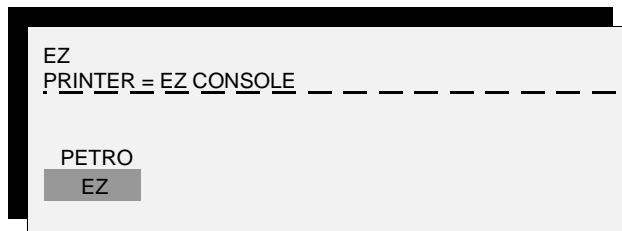


Toggle the S1 key, highlight either ON or OFF, press ENTER. Turning this function ON means that after every sale an individual receipt will be printed automatically.

When finished press the S4 key, highlight CANCEL and press ENTER to return to the previous screen as follows:



Press the S1 key, highlight SELECT and press ENTER and the screen will display the following:



Press the S1 key highlighting either PETRO or EZ to select which printer that will be used. If a printer is not attached to the EZ console directly then selecting EZ will not print anything. Under normal circumstances EZ will be selected when the console operates dispensers without pay-at-the-pump capability and a TMS 3530 printer is attached.

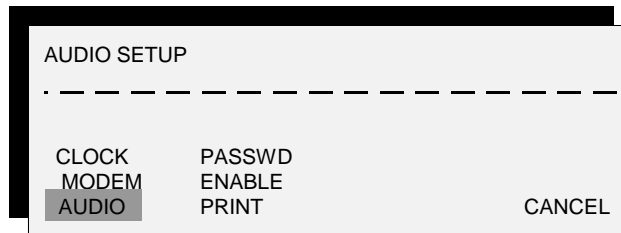
Selecting PETRO means that the printer in the PetroSmart payment terminal will be used for all print functions.

## II - 6 Enable Program

### PREPAY

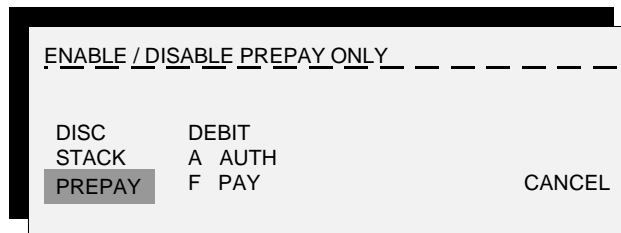
For those stations that want to provide PREPAY only; i.e., after dark operations, or for unattended fueling then the PREPAY function should be enabled. With the PREPAY function enabled, the EZ console will only allow PREPAY sales to be made with cash or credit card. With PREPAY enabled the dispensers cannot be authorized to dispense fuel without prepaying first. If the PREPAY function is disabled then both PREPAY, PRESET and normal self-serve functions will be allowed.

Press the MENU button, with PROG highlighted, press ENTER, enter the PASSWORD when prompted, and press ENTER. From the System Config.& Setup screen, with SYSTEM highlighted, press ENTER and the screen will display the following:



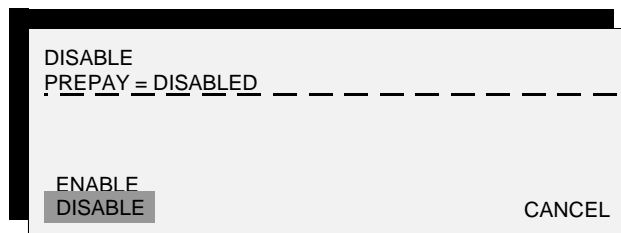
```
AUDIO SETUP
-----
CLOCK      PASSWD
MODEM      ENABLE
AUDIO      PRINT
                                CANCEL
```

Toggle the S2 button, highlight ENABLE, press ENTER and the following screen will be displayed:



```
ENABLE / DISABLE PREPAY ONLY
-----
DISC      DEBIT
STACK     A AUTH
PREPAY    F PAY
                                CANCEL
```

With PREPAY highlighted, press ENTER and the screen will display the following:



```
DISABLE
PREPAY = DISABLED
-----
ENABLE
DISABLE
                                CANCEL
```

Toggle the S1 button select your choice, press ENTER. Press S4, highlight CANCEL, press ENTER to return to the prior screen.

Repeat the process for the functions listed above the S1 and S2 keys.

**STACK** - Enabling STACK allows a second customer to begin dispensing fuel before the first customer's sale has been closed.

**DISC** - Allows a discount

**F PAY** - Enabling this function means that a button on the dispenser must be pressed before fuel can be dispensed

**A AUTH** - Automatic authorization. As soon as a sale is closed out the dispenser will be automatically authorized.

If the stacking function is authorized then when one of the two stacked sales is closed out then the other stacked position will be automatically authorized. No more than two hoses on the same dispenser can be automatically authorized when the stacking feature is enabled.

**DEBIT** - When debit cards are accepted at the dispenser then this feature must be enabled.

When finished press the S4 key, highlight CANCEL and press ENTER to return to the previous screen or press MENU, to return to the main operations screen.

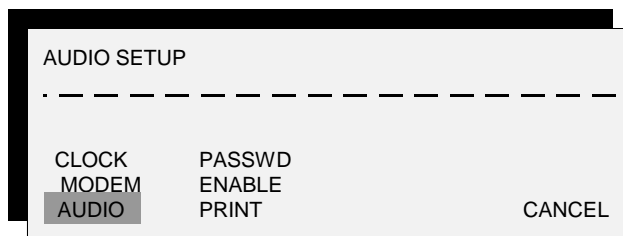
## **II - 7 Program Manager's Password**

With the EZ PetroSmart product system two passwords are available. First the Manager's primary password will allow entry to all reporting and programming functions for both the EZ Config and console. A second operator's password can be assigned which allow the operator to enter new fuel prices only.

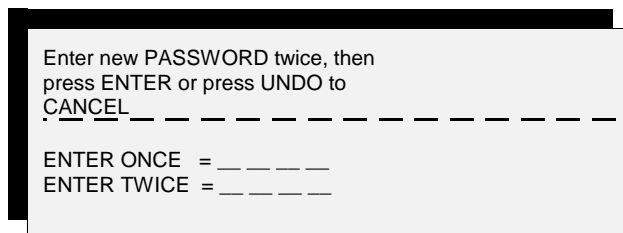
NOTE: Both the Manager's and Operator's passwords can be entered using the EZ Config PC program. In addition the Manager's password (only) can be directly entered through the console.

### **To enter a Manager's password in the console.**

Press the MENU button, with PROG highlighted, press ENTER, enter the PASSWORD when prompted, and press ENTER. From the System Config. & Setup screen, with SYSTEM highlighted, press ENTER and the screen will display the following:



Toggle the S2 button, highlight PASSWD, press ENTER and the following screen will be displayed:



Using the numerical keypad on the lower portion of the console enter the 4 digit PASSWORD, twice. Press ENTER and the new password is active. Press UNDO to return to the prior screen.

### **To enter an Operator's password in the Console.**

Refer to the EZ Config program manual. When finished press the S4 key, highlight CANCEL and press ENTER to return to the previous screen or press MENU, to return to the main operations screen.

### III - 1, Program, Product Pricing.

Press the MENU button, with PROG highlighted, press ENTER, enter the PASSWORD when prompted, and press ENTER. From the System Config. & Setup screen, with TANK highlighted, press ENTER and the screen will display the following:

```
PRODUCT PRICE
-----
VOLUME
PRICE          CANCEL
```

Providing that the other tank and hose programming has been entered, and with PRICE highlighted, press ENTER and the following screen will be displayed:

```
SELF SERVICE
-----
FULL
SELF          CANCEL
```

Toggle the S1 key to highlight either FULL ( full service) or SELF ( self service ), press ENTER and a pricing schedule will then be displayed for either FULL or SELF for all the products at the site.

```
(Product Name)                SELF SERVICE
$ = 0.000                      NEW = 0.000
-----
PROD #3    PROD #6             PROD #8
PROD #2    PROD #5             PROD #7
PROD #1    PROD #4             CANCEL
```

Notice that FULL SERVICE or SELF SERVICE is displayed in the upper right hand portion of the display. Also notice that the name of the product assigned to the PROD #, is also displayed in the upper left hand portion of the display. Check to see if the correct service is displayed. If not, highlight CANCEL, then press ENTER to go back to the previous screen and change the selection.

Enter the pricing using the numerical keypad on the bottom portion of the console and the pricing will be displayed next to ( NEW = ). If the pricing entered is correct press ENTER and every hose that is assigned to that product will reflect the price change and the price will now be displayed next to the (\$) on the upper left hand portion of the console display.

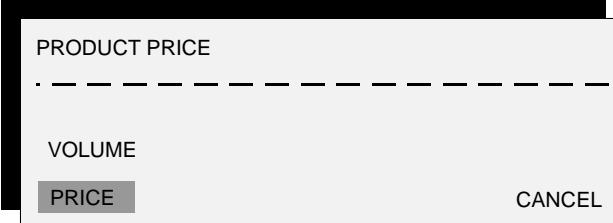
Repeat for all the products. To check that the pricing has been entered correctly, all the programmed information can be printed for review by referring to section VII-2, page , of this manual.

Press S4, highlight CANCEL, press ENTER or press MENU to return to the main operation screen.

## III - 2, Program, Tank Volumes

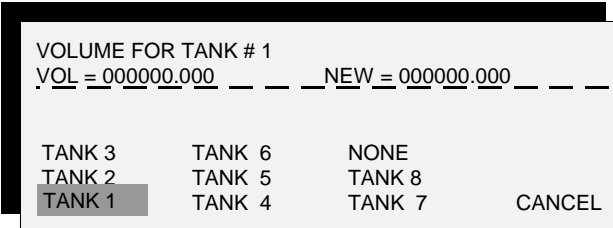
This programming option allows the station operator to maintain fuel inventory levels through a declining balance method. After each fuel delivery, simply add the new fuel volume delivered to the fuel already in the tank and then program the new total volume into the EZ console.

Press the MENU button, with PROG highlighted, press ENTER, enter the PASSWORD when prompted, and press ENTER. From the System Config. & Setup screen, press S2, highlight TANK, press ENTER and the screen will display the following:



```
PRODUCT PRICE
. - - - - -
VOLUME
PRICE CANCEL
```

Toggle the S1 button, highlight VOLUME, press ENTER and the following screen will be displayed:



```
VOLUME FOR TANK # 1
VOL = 000000.000 NEW = 000000.000
TANK 3 TANK 6 NONE
TANK 2 TANK 5 TANK 8
TANK 1 TANK 4 TANK 7 CANCEL
```

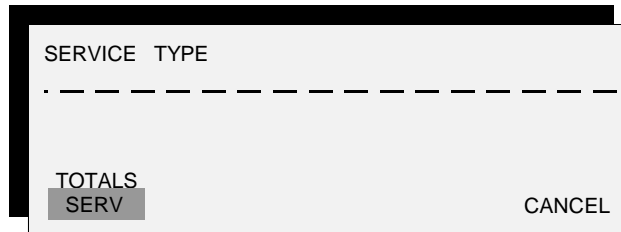
With TANK# 1 highlighted, use the numerical keys on the lower console keypad to enter the total volume contained in TANK # 1. Example: To enter 9850.5 gallons that will be the total volume contained by TANK #1, highlight TANK #1, and enter 009850.5, Press ENTER. Notice that the total volume you entered is displayed next to the word NEW and when you press ENTER the volume you entered is displayed next to VOL. Repeat this procedure for each TANK.

Repeat for all the tanks present at the site. As fuel sales progress and the fuel inventory is reduced the declining tank balances can be monitored and reported using the standard printer reports available through the PetroSmart EZ system.

Press S4, highlight CANCEL, press ENTER to return to the prior screen or press MENU to return to the main operation screen.

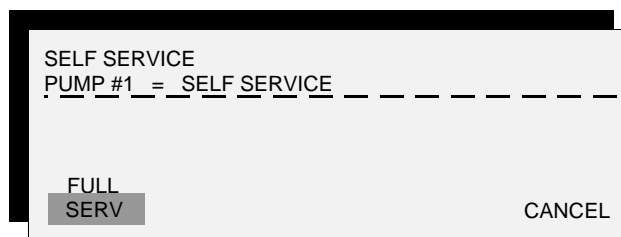
## IV - 1, Program, Full & Self Service

Press the MENU button, with PROG highlighted, press ENTER, enter the PASSWORD when prompted, and press ENTER. From the System Config. & Setup screen, with PUMP highlighted, press ENTER and the screen will display the following:



A screenshot of a terminal screen showing a menu titled "SERVICE TYPE". Below the title is a dashed line. At the bottom left, there are two options: "TOTALS" and "SERV", with "SERV" highlighted by a grey bar. At the bottom right, the word "CANCEL" is displayed.

Press the S1 key, highlight SERV, press ENTER and the screen will display the following screen:



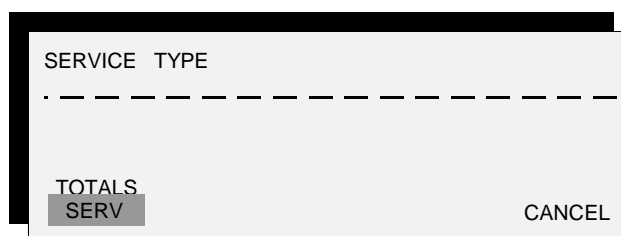
A screenshot of a terminal screen showing a menu titled "SELF SERVICE". Below the title is a dashed line. At the bottom left, there are two options: "FULL" and "SERV", with "SERV" highlighted by a grey bar. At the bottom right, the word "CANCEL" is displayed.

Toggling the S1 key will alternate between FULL and SERV. Press the PUMP SELECT keys on the console to change pump numbers. After each selection press ENTER. When finished press the S4 key, highlight CANCEL and press ENTER to return to the prior screen.

## IV - 2, Program, Resettable Totals

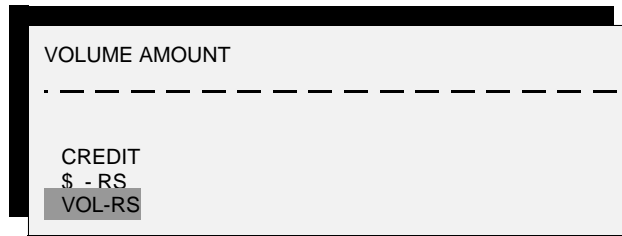
### To Program the Volume per hose:

Press the MENU button, with PROG highlighted, press ENTER, enter the PASSWORD when prompted, and press ENTER. From the System Config. & Setup screen, with PUMP highlighted, press ENTER and the screen will display the following:

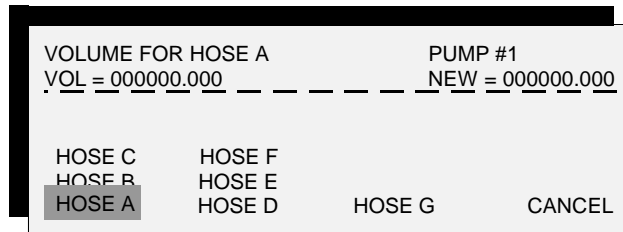


A screenshot of a terminal screen showing a menu titled "SERVICE TYPE". Below the title is a dashed line. At the bottom left, there are two options: "TOTALS" and "SERV", with "SERV" highlighted by a grey bar. At the bottom right, the word "CANCEL" is displayed.

Press the S1 key, highlight TOTALS press ENTER and the screen will display the following screen:



With VOL-RS ( volume-resettable ) highlighted, press ENTER and the following will be displayed:



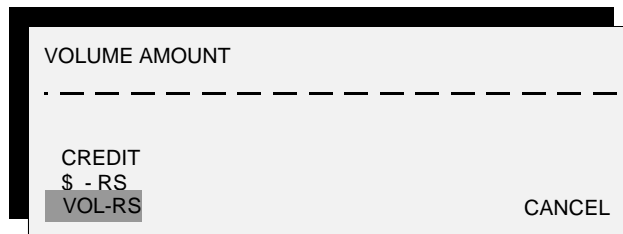
Toggle the S1, S2, and S3 keys, highlight the desired hose, then press the PUMP SELECT numbers on the EZ console to select the PUMP #. Once the latter are selected enter the total using the numerical keypad on the lower portion of the EZ console. The numbers selected will be shown next to ( NEW = ). If they are correct press ENTER and the number will then be shown next to ( VOL = ). Repeat for all the hoses on all the pumps.

Press S4, highlight CANCEL, press ENTER to return to the prior screen or press MENU to return to the main operation screen.

**To Program the Dollars (\$) per hose:**

Press the MENU button, with PROG highlighted, press ENTER, enter the PASSWORD when prompted, and press ENTER. From the System Config. & Setup screen, with SYSTEM highlighted, press ENTER and the screen will display the following:

Toggle the S1 key, highlight TOTALS, press ENTER and the following screen will be displayed



Toggle S1 key, highlighting \$ - RS, press ENTER and the following will be displayed:

MONEY FOR HOSE A		PUMP #1	
\$ = 000000.000		NEW = 000000.000	
HOSE C	HOSE F		
HOSE B	HOSE E		
HOSE A	HOSE D	HOSE G	CANCEL

Toggle S1, S2, or the S3 keys, highlight the desired hose, then press the PUMP SELECT numbers on the EZ console to select the PUMP #. Once the latter are selected enter the total using the numerical keypad on the lower portion of the EZ console. The numbers selected will be shown next to ( NEW = ). If they are correct press ENTER and the number will then be shown next to (\$ = ). Repeat for all the hoses on all the pumps.

Press S4, highlight CANCEL, press ENTER to return to the prior screen or press MENU to return to the main operation screen.

**To Program the Total Outside CREDIT \$ Amount:**

Press the S1 key, highlight CREDIT, press ENTER and the screen will display the following:

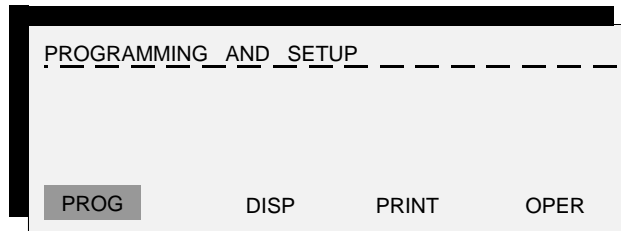
OUTSIDE CREDIT SALE TOTALS	
\$ = 0000000.00	NEW = 0000000.00
CREDIT	CANCEL

Press S4, highlight CANCEL, press ENTER to return to the prior screen or press MENU to return to the main operation screen.

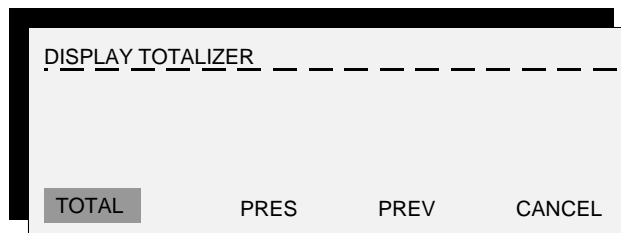
## V- 1, Display Console Totalizers

During normal operations it may be desirable to view various functions of the PetroSmart EZ console apart from and in addition to those available through the PetroSmart EZ credit card terminal.

Press MENU, press ENTER and the screen will display the following:

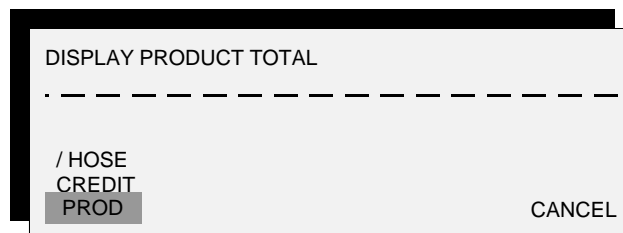


Press the S2 key, highlight DISP, press ENTER (no password required) and the screen will display the following:

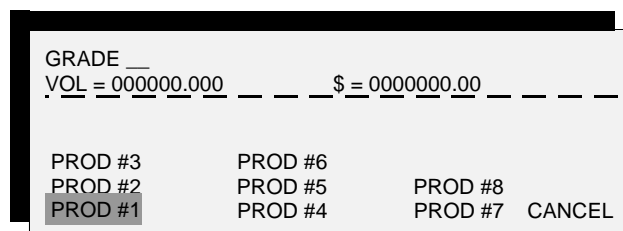


### To Display Product Totals:

With TOTAL highlighted, press ENTER and the following screen will be displayed:

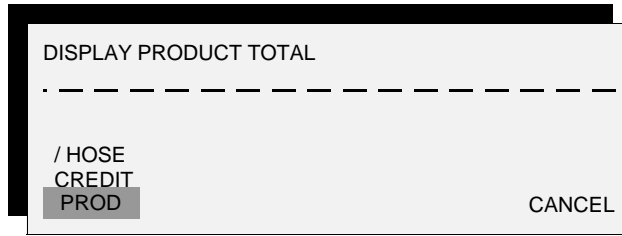


Press the S1 key, highlight PROD, press ENTER and the screen will display the following:

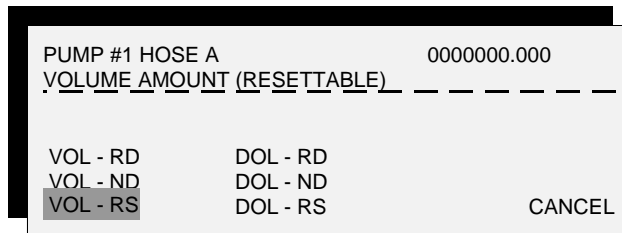


Press the S1, S2 & S3 keys to select the product. The total usage for that product will be displayed for both volume and dollars. Press S4, highlight CANCEL, press ENTER to return to the prior screen or press MENU to return to the main operation screen.





Press the S1 key, highlight /HOSE, press ENTER and the screen will display the following:  
 The total outside credit sales will be displayed. Press the UNDO key on the console to return to the prior screen or press MENU to return to the main operational screen.

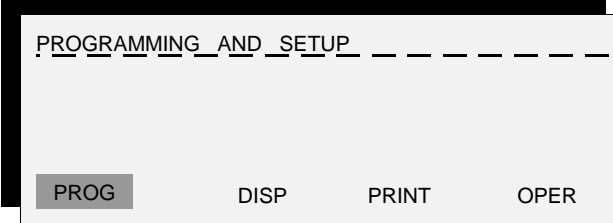


Pressing the S1 & S2 keys will highlight the totals. Pressing the PUMP SELECT, EZ console keys will scroll through the pumps (dispensers). Pressing numbers (1 - 7) on the EZ console numerical keypad will change the displayed HOSE (A - G).

- VOL - RS** - Displays Resettable Volume Totals per PUMP, per HOSE
- VOL - NS** - Displays Non- Resettable Volume Totals per PUMP, per HOSE
- VOL - RD** - Displays Volume Totals in the dispenser per PUMP, per HOSE
- DOL - RS** - Displays Resettable Dollar Totals per PUMP, per HOSE
- DOL - NS** - Displays Non- Resettable Dollar Totals per PUMP, per HOSE
- DOL - RD** - Displays Dollar Totals in the Marconi dispenser per PUMP, per HOSE
- CREDIT** - Total outside credit sales at the dispensers

## V - 2, Display Present Shift Data, Time & Grand Totals

At various times it will be desirable to display shift data and can be easily accomplished by pressing MENU, pressing ENTER and the screen will display the following:



```
PROGRAMMING AND SETUP -----
PROG      DISP      PRINT      OPER
```


### To Display Present Shift Grand Totals:

Press S2, highlight DISP, press ENTER (no password required) and the screen will display the following:



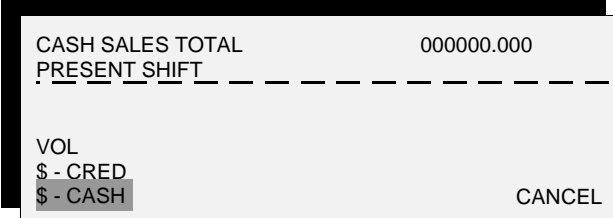
```
DISPLAY TOTALIZER -----
TOTAL     PRES     PREV     CANCEL
```

To display PRESENT SHIFT data, press S2, highlight PRES, press ENTER and the screen will display: the following:



```
DISPLAY GRAND TOTAL
PRESENT SHIFT -----
/ HOSE
/ TANK      CREDIT
GRAND      TIME      CANCEL
```

With GRAND highlighted, press ENTER and the screen will display the following:

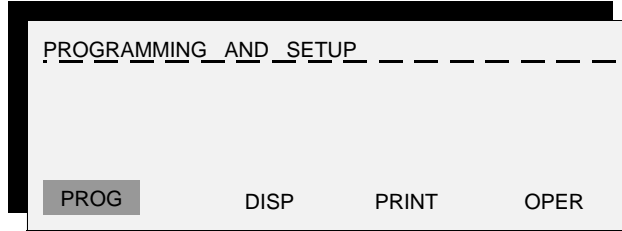


```
CASH SALES TOTAL      000000.000
PRESENT SHIFT -----
VOL
$ - CRED
$ - CASH      CANCEL
```

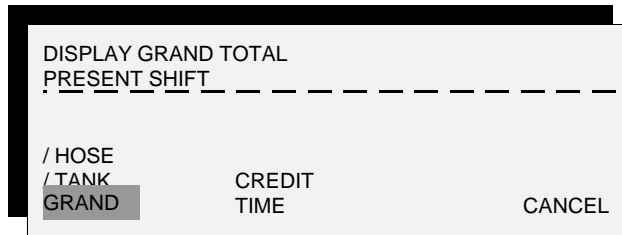
Toggling the S1 key will allow the operator to view the total volume sold (VOL), the total sales on credit (\$ - CRED) and the total cash sales (\$ - CASH).

**To Display Present Shift Data, TANK Information**

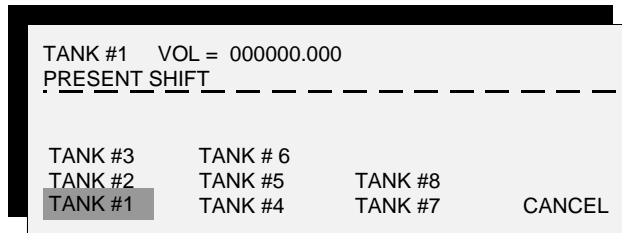
At various times it will be desirable to display shift data and can be easily accomplished by pressing MENU, pressing ENTER and the screen will display the following:



Press the S2 key, highlight DISP and press ENTER and the following screen will be displayed.



To display PRESENT SHIFT data, press S1, highlight /TANK press ENTER and the screen will display: the following:

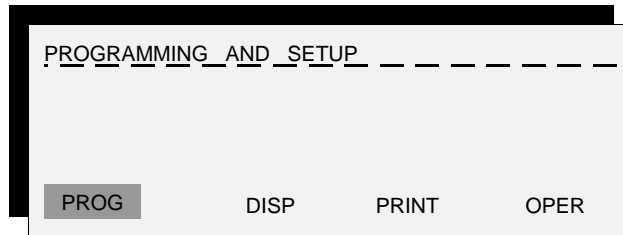


Pressing the S1, S2 & S3 keys will allow the operator to view the total volume sold (VOL) on the present shift.

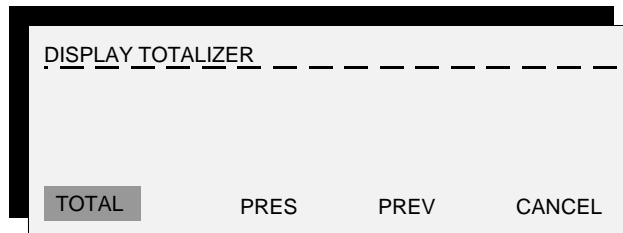
Press S4, highlight CANCEL, press ENTER to return to the prior screen or press MENU to return to the main operation screen.

**To Display Present Shift Data, TOTALS per HOSE**

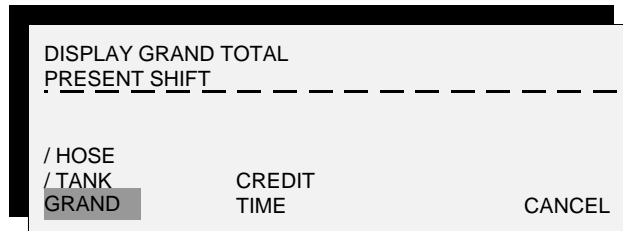
Press MENU, and the screen will display the following:



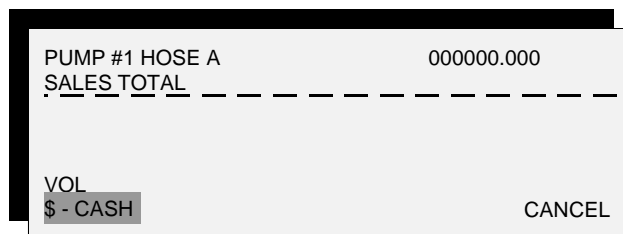
Press the S2 key, highlight DISP, press ENTER (no password required) and the screen will display the following:



To display PRESENT SHIFT data, press the S2 key, highlight PRES, press ENTER and the screen will display the following:



Press the S1 key, highlight /HOSE, press ENTER and the screen will display the following:



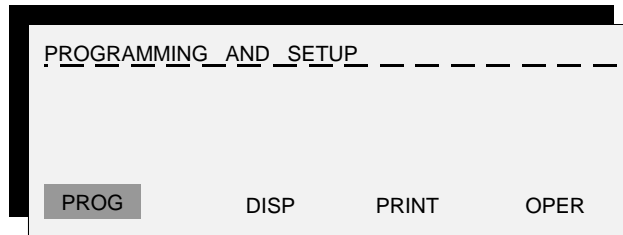
Toggle the S1 keys to highlight either \$ - CASH or VOL. Pressing the PUMP SELECT, EZ console keys will select the pumps (dispensers) to be displayed. Pressing numbers (1 - 7) on the EZ console numerical keypad will change the displayed HOSE (A - G).

In all choices the total amounts \$ - CASH, and VOL will be displayed in the upper right hand portion of the display.

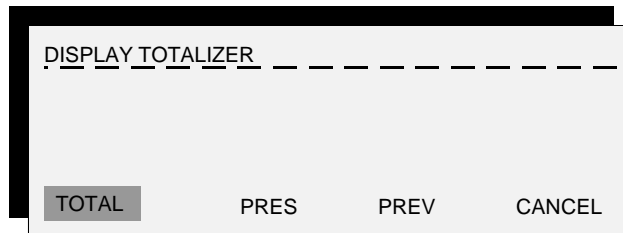
Press S4, highlight CANCEL, press ENTER or press MENU to return to the main operation screen.

**To Display Present Shift Data, Total Outside Credit**

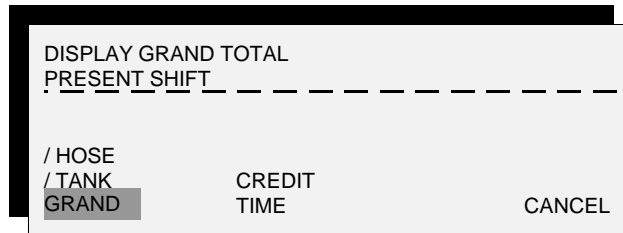
Press MENU, and the screen will display the following:



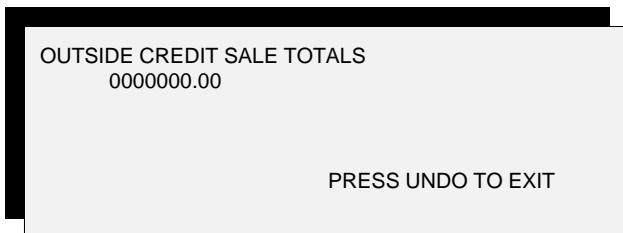
Press the S2 key, highlight DISP, press ENTER (no password required) and the screen will display the following:



To display PRESENT SHIFT data, press the S2 key, highlight PRES, press ENTER and the screen will display the following:



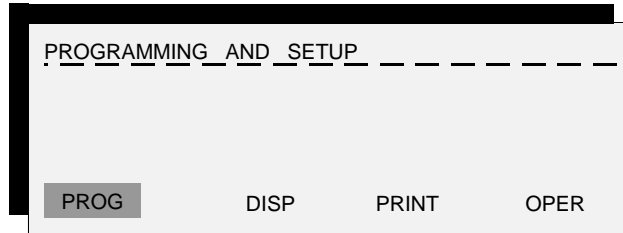
Press the S2 key, highlight CREDIT, press ENTER and the screen will display the following:



Press UNDO on the EZ console to return to the prior screen or press MENU to return to the main operation screen.

**To Display Present Shift Data, Date/ Time - Start**

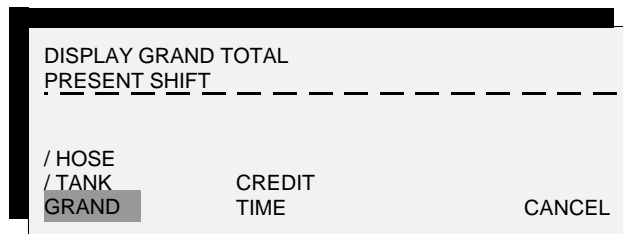
Press MENU, and the screen will display the following:



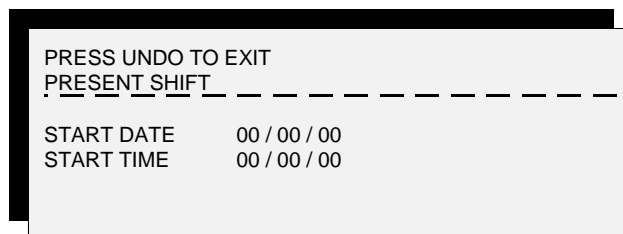
Press the S2 key, highlight DISP, press ENTER (no password required) and the screen will display the following:



To display PRESENT SHIFT data, press S2, highlight PRES, press ENTER and the screen will display the following:



Press the S2 key, highlight TIME, press ENTER and the screen will display the following:



This screen will display the shift start time and the date the shift started.

Press UNDO, to return to the prior screen or press MENU to return to the main operation screen.

## **V - 3, Display Previous Shift Data,**

While three (3) previous shift information reports can be printed, only the (1) previous shift can be displayed.

For:    Previous GRAND TOTAL  
          Previous /TANK TOTAL  
          Previous /HOSE TOTAL  
          Previous Outside Credit Total  
          Previous TIME

To display the previous shift data refer to the prior sections ----- thru -----. Instead of pressing S2, highlighting PRES for present shift where indicated, press S3, and highlight PREV for the previous shift. Then follow the remaining procedure.

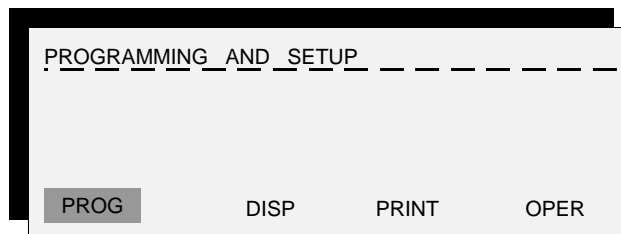
Press the S4 key, highlight CANCEL, press ENTER to return to the prior screen or press MENU to return to the main operation screen.

## VI - 1, Print Operational Reports

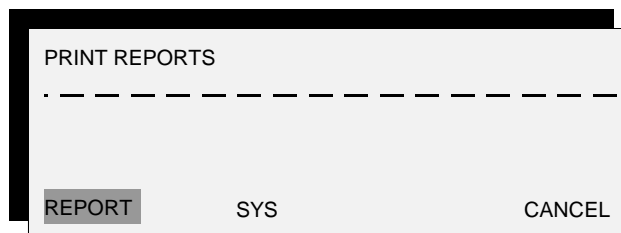
All the PetroSmart EZ console reports will be able to be printed through the PetroSmart EZ credit card terminal providing it is connected to the PetroSmart EZ console. In addition there are numerous other reports available that are generated by the PetroSmart Terminal itself. Refer to the PetroSmart terminal manual

If the console is being used for operating non-credit type dispensers without a PetroSmart terminal attached then the reports can be generated using a TMS 35 printer connected directly to the PetroSmart console.

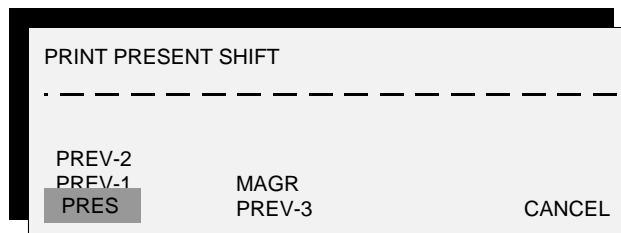
To generate operational reports press MENU, press ENTER and the screen will display the following:



Press the S3 key, highlight PRINT, press ENTER (no password required) and the screen will display the following:



Press the S1 key, highlight REPORT, press ENTER and the screen will display:



Note that in addition to the present shift you can print data from the previous three shifts as well as a managers report.

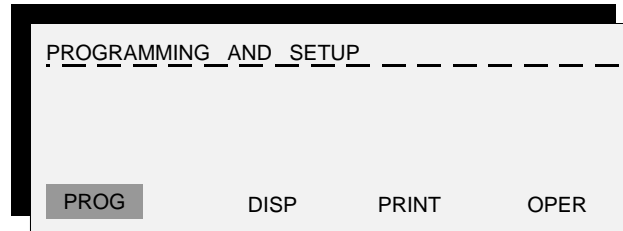
To print, press the S1 and S2 keys to select, scroll and highlight a choice. Then press ENTER and the attached printer will generate the report.

Press S4, highlight CANCEL, press ENTER to return to the prior screen or press MENU to return to the main operation screen.

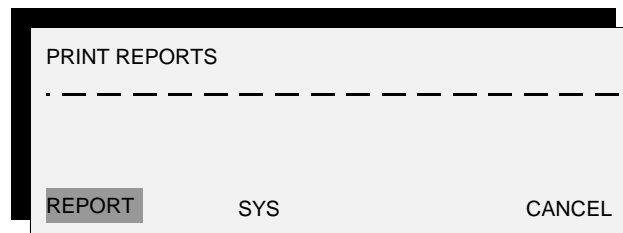
## VI - 2, Print System Data

Printing system data reports is extremely useful as it will provide a means of checking all programmed data such as pricing, product codes, hose assignments, etc.

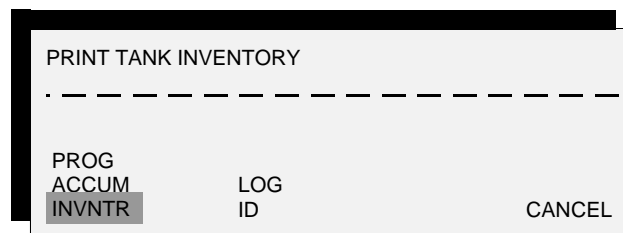
To print system data, press MENU, press ENTER and the screen will display the following:



Press the S3 key, highlight PRINT, press ENTER (no password required) and the screen will display the following:



Press the S2 key, highlight SYS, press ENTER and the screen will display:



To print, press the S1 and S2 keys to select, scroll and highlight a choice. Then press ENTER and the attached printer will generate the following reports when selected.

- INVTR - Prints the declining fuel inventory by tank, assigned grade and volume.
  
- ACCUM - Prints non-resettable product activity by volume and price. The report also includes a listing of the product, volume, price per hose for all the dispensers.
  
- PROG - Prints a total listing of all the EZ console programmed information. Particularly useful to check new pricing assignments.
  
- ID - Prints key system data, i.e., software version, ID#, dispenser brand, amount of resets and number of power failures.

LOG - For TMS service use.

Press S4, highlight CANCEL, press ENTER to return to the prior screen or press MENU to return to the main operation screen.

## VI - 3, Operating functions

Change Shifts

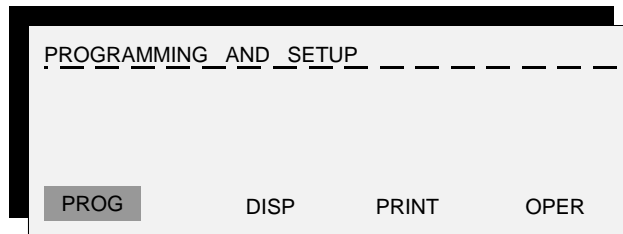
Change Fuel Prices

Manager shift Change

ALL PUMP Start

### To Change a Shift by the Operator:

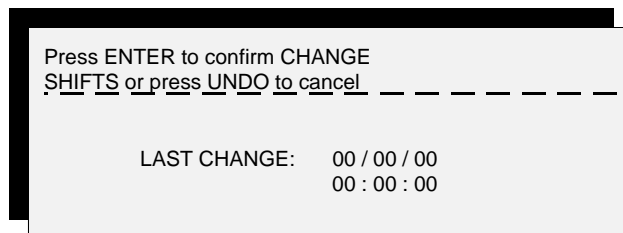
With the DATE and TIME programmed into the PetroSmart console. Press MENU, press ENTER and the screen will display the following:



Press the S4 key, highlight OPER, press ENTER (no password required) and the screen will display the following:



Press the S1 key, highlight SHIFT, press ENTER and the screen will display the following.



To change shifts press ENTER. If you are not changing shifts press UNDO.

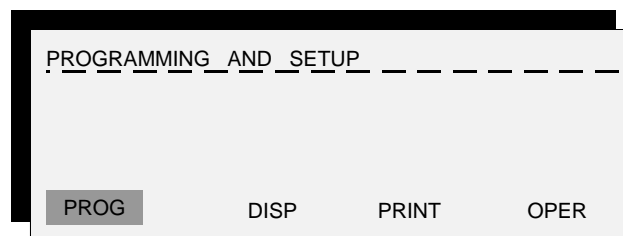
Every time you press ENTER to change shifts the stored shift reports will automatically be changed. The PREV-3 report will be dropped and the PRES shift data will become the PREV-1 data.....all the prior reports will move down one.

**NOTE: When ENTER is pressed to change shifts the printer will automatically print a full shift report.**

Press MENU to return to the main operating screen.

**To change a shift by the manager.**

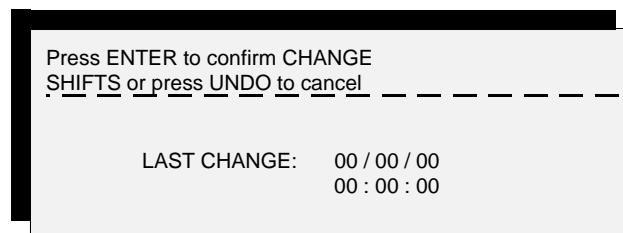
Press MENU, press ENTER and the screen will display the following:



Press S4 highlight OPER, press ENTER (no password required) and the screen will display the following:



Press S2, highlight MAGR, press ENTER and the screen will prompt for the PASSWORD. Enter the PASSWORD and the screen will display the following.



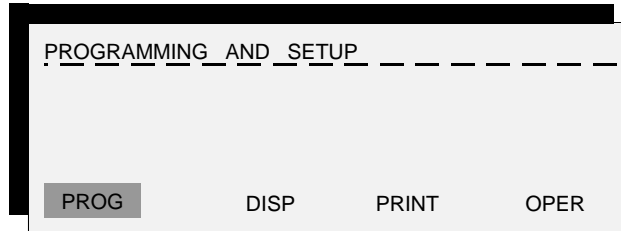
Every time ENTER is pressed to change shifts a report will be automatically printed. The previous manager (MAGR) reports are not saved. To change shifts press ENTER. If you are not changing shifts press UNDO.

**NOTE: When ENTER is pressed to change shifts the printer will automatically print a full shift report.**

Press MENU to return to the main operation screen.

**To Change Fuel Pricing by the Operator:**

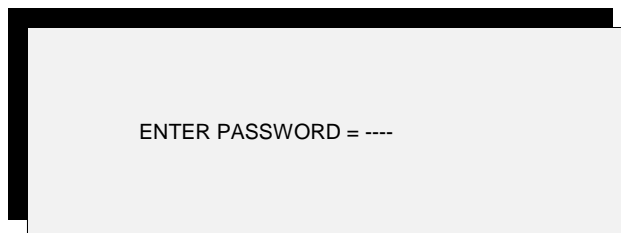
Press MENU, press ENTER and the screen will display the following:



Press the S4 key, highlight OPER, press ENTER (no password required) and the screen will display the following:

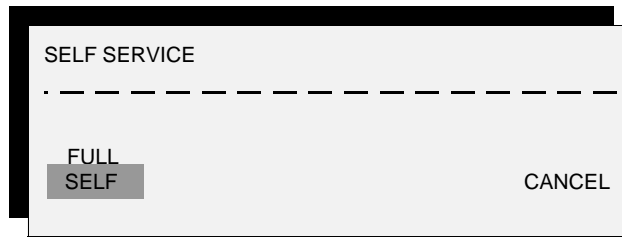


Press the S2 key, highlight PRICE, press ENTER and the screen will display the following.

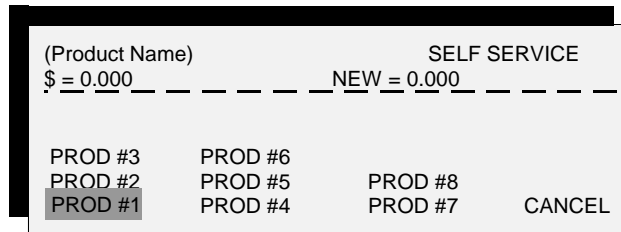


Both the previously programmed Manager's password and Operator's password will allow access to this function. Remember that the Operator's password can ONLY be programmed using the EZ Config program on a remote or directly connected PC.

Enter the password, press ENTER and the following screen will be displayed.



Toggle the S1 key to highlight either FULL ( full service) or SELF ( self service ), press ENTER and a pricing schedule will then be displayed for either FULL or SELF for all the products at the site.



Notice that FULL SERVICE or SELF SERVICE is displayed in the upper right hand portion of the display. Also notice that the name of the product that was programmed into the EZ console by the PetroSmart Terminal or through the EZ Config PC program is displayed in the upper left hand corner of the display. Check to see if the correct FULL or SELF service is displayed. If not, press CANCEL, then press ENTER to go back to the previous screen and change the selection.

Enter the pricing using the numerical keypad on the bottom portion of the console and the pricing will be displayed next to ( NEW = ). If the pricing entered is correct press ENTER and every hose that is assigned to that product will reflect the price change and the price will now be displayed next to the (\$) on the upper left hand portion of the console display. After entering the new pricing information, press ENTER to send the prices to the dispensers. It is always good practice to check the dispenser displays to make sure the new pricing is shown.

NOTE: Changing fuel prices will not affect a sale in progress. The price will change only after the customer has closed out the sale.

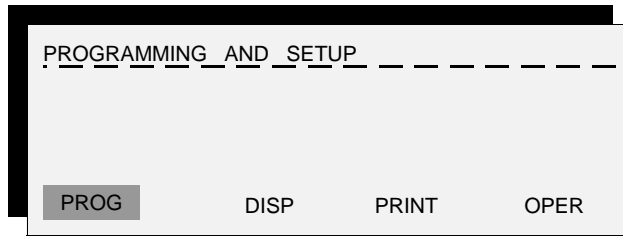
Repeat for all the products. To check that the pricing has been entered correctly, all the programmed information can be printed for review by referring to section VII-2, page 35, of this manual.

Press S4, highlight CANCEL, press ENTER to return to the prior screen or press MENU to return to the main operation screen.

**To Restart All The Dispensers Once The ALL STOP, EZ Console Button Has Been Pressed**

It may become necessary under certain circumstances to press the ALL STOP button on then EZ console. If the ALL STOP button is pressed then all the dispensers will stop pumping and the sales will have to be closed out. All the dispensers will not be able to be started unless this procedure is followed.

Press MENU, press ENTER and the screen will display the following:



Press S4 highlight OPER, press ENTER (no password required) and the screen will display the following:



Press S3, highlight START, and press ENTER. All the dispensers will then commence normal operation. Press MENU to return to the main operation screen.

# VII - 1, Programming Data Form

**Side #1** Card Reader Yes \_\_\_\_\_, NO \_\_\_\_\_      **Full Serv.**      **Self Serv.**      **Totalizers**

HOSE	Tank (Pg.16)	Prod Name (Pg.22)	( \$ ) Price/Gal (Pg.19)	( \$ ) Price/Gal (Pg.19)	Volume (Pg.24)
	1 <sup>st</sup> .2 <sup>nd</sup> .				
A	_____	_____	_____	_____	_____
B	_____	_____	_____	_____	_____
C	_____	_____	_____	_____	_____
D	_____	_____	_____	_____	_____
E	_____	_____	_____	_____	_____
F	_____	_____	_____	_____	_____
G	_____	_____	_____	_____	_____

**Side #2** Card Reader Yes \_\_\_\_\_, NO \_\_\_\_\_      **Full Serv.**      **Self Serv.**      **Totalizers**

HOSE	Tank (Pg.16)	Prod Name (Pg.22)	( \$ ) Price/Gal (Pg.19)	( \$ ) Price/Gal (Pg.19)	Volume (Pg.24)
	1 <sup>st</sup> .2 <sup>nd</sup> .				
A	_____	_____	_____	_____	_____
B	_____	_____	_____	_____	_____
C	_____	_____	_____	_____	_____
D	_____	_____	_____	_____	_____
E	_____	_____	_____	_____	_____
F	_____	_____	_____	_____	_____
G	_____	_____	_____	_____	_____

**Side #3** Card Reader Yes \_\_\_\_\_, NO \_\_\_\_\_      **Full Serv.**      **Self Serv.**      **Totalizers**

HOSE	Tank (Pg.16)	Prod Name (Pg.22)	( \$ ) Price/Gal (Pg.19)	( \$ ) Price/Gal (Pg.19)	Volume (Pg.24)
	1 <sup>st</sup> .2 <sup>nd</sup> .				
A	_____	_____	_____	_____	_____
B	_____	_____	_____	_____	_____
C	_____	_____	_____	_____	_____
D	_____	_____	_____	_____	_____
E	_____	_____	_____	_____	_____
F	_____	_____	_____	_____	_____
G	_____	_____	_____	_____	_____

**Side #4** Card Reader Yes \_\_\_\_\_, NO \_\_\_\_\_      **Full Serv.**      **Self Serv.**      **Totalizers**

HOSE	Tank (Pg.16)	Prod Name (Pg.22)	( \$ ) Price/Gal (Pg.19)	( \$ ) Price/Gal (Pg.19)	Volume (Pg.24)
	1 <sup>st</sup> .2 <sup>nd</sup> .				
A	_____	_____	_____	_____	_____
B	_____	_____	_____	_____	_____
C	_____	_____	_____	_____	_____
D	_____	_____	_____	_____	_____
E	_____	_____	_____	_____	_____
F	_____	_____	_____	_____	_____
G	_____	_____	_____	_____	_____

**Side #5** Card Reader Yes \_\_\_\_\_, NO \_\_\_\_\_      **Full Serv.**      **Self Serv.**      **Totalizers**

HOSE	Tank (Pg.16)	Prod Name (Pg.22)	( \$ ) Price/Gal (Pg.19)	( \$ ) Price/Gal (Pg.19)	Volume (Pg.24)

	<u>1<sup>st</sup>.2<sup>nd</sup>.</u>				
A	_____	_____	_____	_____	_____
B	_____	_____	_____	_____	_____
C	_____	_____	_____	_____	_____
D	_____	_____	_____	_____	_____
E	_____	_____	_____	_____	_____
F	_____	_____	_____	_____	_____
G	_____	_____	_____	_____	_____

**Side #6**    **Card Reader Yes**\_\_\_\_, **NO**\_\_\_\_    **Full Serv.**    **Self Serv.**    **Totalizers**

HOSE    Tank (Pg.16)    Prod Name (Pg.22)    ( \$ ) Price/Gal (Pg.19)    ( \$ ) Price/Gal (Pg.19)    Volume (Pg.24)

	<u>1<sup>st</sup>.2<sup>nd</sup>.</u>				
A	_____	_____	_____	_____	_____
B	_____	_____	_____	_____	_____
C	_____	_____	_____	_____	_____
D	_____	_____	_____	_____	_____
E	_____	_____	_____	_____	_____
F	_____	_____	_____	_____	_____
G	_____	_____	_____	_____	_____

**Side #7**    **Card Reader Yes**\_\_\_\_, **NO**\_\_\_\_    **Full Serv.**    **Self Serv.**    **Totalizers**

HOSE    Tank (Pg.16)    Prod Name (Pg.22)    ( \$ ) Price/Gal (Pg.19)    ( \$ ) Price/Gal (Pg.19)    Volume (Pg.24)

	<u>1<sup>st</sup>.2<sup>nd</sup>.</u>				
A	_____	_____	_____	_____	_____
B	_____	_____	_____	_____	_____
C	_____	_____	_____	_____	_____
D	_____	_____	_____	_____	_____
E	_____	_____	_____	_____	_____
F	_____	_____	_____	_____	_____
G	_____	_____	_____	_____	_____

**Side #8**    **Card Reader Yes**\_\_\_\_, **NO**\_\_\_\_    **Full Serv.**    **Self Serv.**    **Totalizers**

HOSE    Tank (Pg.16)    Prod Name (Pg.22)    ( \$ ) Price/Gal (Pg.19)    ( \$ ) Price/Gal (Pg.19)    Volume (Pg.24)

	<u>1<sup>st</sup>.2<sup>nd</sup>.</u>				
A	_____	_____	_____	_____	_____
B	_____	_____	_____	_____	_____
C	_____	_____	_____	_____	_____
D	_____	_____	_____	_____	_____
E	_____	_____	_____	_____	_____
F	_____	_____	_____	_____	_____
G	_____	_____	_____	_____	_____