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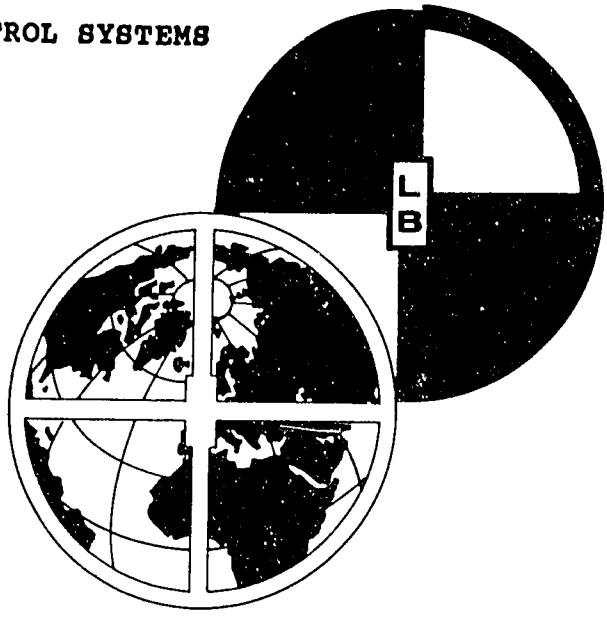
REVIEW OF USAID DONATIONS TO ANDA AND OF THEIR COMMODITY CONTROL SYSTEMS



LOUIS BERGER INTERNATIONAL, INC.

81 Avenida Norte y 9a. Calle Poniente No. 728,
Col. Escalón, San Salvador, El Salvador, C. A.
Teléfono: 98-0077 - Fax: 79-33-42

Architects - Engineers - Economists - Planners

REVIEW OF USAID DONATIONS

TO ANDA AND OF THEIR

COMMODITY CONTROL SYSTEMS

SUBMITTED UNDER CONTRACT NO. 519-0320-C-00-0337-00

TO

U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT

EL SALVADOR MISSION
NOVEMBER 09, 1992

LOUIS BERGER INTERNATIONAL, INC.

San Salvador, El Salvador

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I EXECUTIVE SUMMARY

Our investigations indicate that there is a 44.5% error rate between actual inventories and the Data Processing reports generated by ANDA for USAID Project 0320 and 0279 donations. The systems or lack thereof as presently constituted are inaccurate, ineffective, time consuming and do not allow for an audit trail. While there was little or no trace of theft of stock, the door is wide open for such abuse and it would be difficult to track in spite of the efforts by the Corte de Cuentas.

It is recommended that the present Kardex System be eliminated and replaced by a Data Processing Inventory Management System centralized within the Logistics Division of ANDA. When this new System is in place the Kardex System should be eliminated. At present a computer is available for this project in the Warehouse Management Unit.

Concurrently with installation of the Data Processing System the following should occur:

1. A complete inventory should be taken of all ANDA stock to correct the records. Reconciliation of all records has never been completed. This reconciliation could be carried out over several weekends in order to conduct regular business during normal working hours.

2. There is currently a lack of clear-cut work responsibilities among the personnel. New job descriptions should be written detailing each person's area of responsibility. This should include office personnel and warehousemen. Warehouse personnel should be trained in their duties. These personnel occupy themselves with office work and rarely work in the warehouses. As a result the warehouses are poorly maintained and dirty. In many instances the office space is as large as the space which is dedicated to the storage of stock.

3. Warehouse procedural manuals should be developed and implemented. None currently exist.

4. Stock catalogs and manuals should be produced for those departments ordering from the warehouses. An existing stock listing is not being used.

5. Forms currently in use should be redesigned and more closely controlled. At present the same form is used for both the receipt and delivery of stock.

6. A universal filing system should be developed for all warehouses under ANDA's control. Each warehouse currently is free to keep their records as they see fit.

7. Data processing and warehouse personnel should be trained in the new system and in correct inventory management.

Materials handling equipment is almost non-existent in the warehouse system. Overweight and outsized supplies and equipment are moved with a heavy-duty crane. This lack of appropriate equipment exists throughout the ANDA warehouse system. Essentially, warehouse stock is moved by manpower. However, many items are too heavy to be moved by this method. It is recommended that:

1. A forklift be procured for the warehouses in El Coro.

2. A hydraulic lift tailgate be installed on one of the two warehouse delivery trucks.

3. A small hydraulic crane be installed on one of the trucks.

4. Small materials handling equipment such as pallet movers, hand trucks and dollies be procured and distributed to all warehouses.

There is inadequate space available in the warehouses. A solution to much of this would be to better utilize the space which is available, ie.:

1. Install pipe racks, and palletize the stock where feasible.

2. Build more shelves and bins. Some progress has been made in this direction. In the Automotive Parts Warehouse No. 6, a mezzanine was constructed over the storage area. Lumber is still needed for the installation of shelves. (Some lumber is being stored in the Well Drilling Division which could be utilized.)

3. A second floor or mezzanine can be added to the building known as IRA warehouse (or the pigeon coop), and in Warehouse No. 1. This would increase the available space at relatively low cost. However, the roofs of both building must be repaired before any other improvements can be made. They leak badly.

Inadequate security exists at El Coro. A protective wall should be built in the area behind Warehouse No. 4. This area is open to thievery.

Many pieces of equipment and supplies are left out in the elements. Protective shelters should be constructed to cover these items. Other partially constructed shelters should be completed. For example, the framing for shelters was erected at Warehouse No. 3 and at Guluchapa, but these have never been roofed.

A considerable amount of junk and scrap clutters the warehouses and storage yards. There appears to be greater concern for the storage of scrap than for the more valuable supplies and equipment. The procedure for the storage, sale and disposition of scrap, obsolete and excess material should be reviewed and new procedures implemented. At the very least these materials should be consolidated at some central point for storage pending their ultimate disposition. Material which is merely excess to current needs could be stored at a remote location such as Guluchapa.

II METHODOLOGY

1. Determine from Data Processing files, which items are USAID donations.

2. Visit all warehouses where USAID donated Project 0320 and 0279 materials are stored plus auxiliary sites.

3. Spot inventory the following:

80% - 100% of all items with a unit cost over $5,000

50% of items with a unit cost between $1,000 & $4,999

25% of items with a unit cost between $500 and $999

10% of items with a unit cost between $100 and $499

5% of items with a unit cost under $100

4. Check all Kardex Records against the physical inventory.

5. Where possible, check all documents to determine the disposition of articles shown on Data Processing Inventories but not physically present.

III FINDINGS OF PARTIAL INVENTORIES OF ANDA WAREHOUSES AND COMMENTARY ON INVENTORY CONTROLS AND CONDITIONS

WAREHOUSE No. 1, EL CORO

Physical Facilities:

Warehouse No. 1 has a large amount of space which is not being utilized. There is inadequate shelving. Large sections of the roof leak in this warehouse as well as in an adjacent building known as the IRA Warehouse. This warehouse could be rearranged for more efficient utilization of space. There are large areas that have inadequate or no lighting at all. At times inventory personnel were forced to use a flashlight to see their way and to conduct the inventory. There are 122, fifty kg. drums of Potassium Permanganate in storage at this warehouse. This material is no longer used in ANDA and should be disposed of. Due to the lack of materials handling equipment, some of the items inventoried were too heavy to move. As a result, it was impossible to get an exact count.

Large quantities of cement and other chemicals are stored in extremely large piles. Some goods are stored on the floor without the use of pallets. See Annex 1 for photographs of these conditions.

Tanks of chlorine gas are being stored in the IRA Warehouse. ANDA is in the process of resolving this potentially dangerous situation and plans to move all gas cylinders to Guluchapa, where a storage facility exists.

Inventory Controls:

Kardex cards exist for most of the items checked. However, there is no continuity in the record keeping system. It is difficult to track items because every six months the Corte de Cuentas collects the Kardex cards and new Kardex cards are issued. The new cards only record the beginning balance and there is no record of transactions. This makes it difficult if not impossible to conduct an audit search. Several items in the inventory were stored at a Warehouse No. 3 at La Ceiba. Overall

the warehouse is reasonably well organized and relatively clean. Location codes are missing from the Kardex records. Locations exist only in the memories of the Warehouse Supervisor and his assistants. While this might be adequate for conducting the day-to-day warehouse business under normal circumstances, the absence of one or more of these personnel might make it impossible to find required items. Therefore it is standard warehouse practice throughout the world to create and implement a system of location codes and to record those codes in the Kardex files.

WAREHOUSE No. 2, EL CORO:

Physical Facilities:

While space is very cramped, the physical inventory is reasonably neat and orderly. It is interesting to note that the office facilities are almost as large as the space allotted for inventory storage.

Inventory Controls:

There were no locations indicated on the cards. It was very difficult to conduct an audit search due to the lack of an adequate filing system. As has been mentioned previously, the Corte de Cuentas collects the old cards and new cards are issued every six months. This effectively eliminates any continuity in record keeping.

Nineteen line items were reported as being received but had a zero balance in stock. Because of the policy of collecting the cards, it was impossible to trace the issuance transactions. Data Processing Personnel had not recorded the receipt of the items so there were no traceable records. The Head of the Warehouse alleged that in 12 of those instances, lesser amounts were received than the amount indicated in the Data Processing Records. He further stated that these lesser amounts had all been issued. Because of the lack of record continuity, it was impossible to verify these claims.

WAREHOUSE No. 3, LA CEIBA (LA GUADALUPE):

Physical Facilities:

This facility is essentially an open space. The warehouse that does exist is extremely small, cramped and difficult to organize. Very expensive valves and other water system items are stored in

the open, without protection from the elements, and are thus subject to oxidation. No materials handling equipment exists for the very heavy items stored at this warehouse. The framework for a covered storage area was erected but the roofing laminate sheets have never been installed to finish the structure. See Annex 1 for photographs of these conditions.

There is inadequate security at this location. The Warehouse Chief used his ingenuity and stacked cement pipe couplings around the perimeter and filled them with dirt. This has provided a decent wall around most of the yard, however, between the hours of midnight and 6 am, there are no security guards on duty leaving valuable donated items exposed to theft. The facility includes two other locations elsewhere in town that store ANDA items. They are similarly inadequate.

Inventory Controls:

Rafael Gúzman was the most knowledgeable Chief of Warehousing encountered in ANDA. He knew each and every item in his inventory intimately. This is largely due to his 20 years of service at this location. The quantities and prices for several items in the inventory had been incorrectly recorded by Data Processing. In one instance a delivery had been made in 1990 and was never recorded by Data Processing. A Kardex record existed for every item in stock.

WAREHOUSE No. 4, EL CORO:

Physical Facilities:

These facilities are disorganized and inadequate for storing the inventory. The warehouse is dirty and is not well organized. 320 line items are crammed into seven or eight cardboard boxes. Several hours were required to sort out these items for inventory. The warehouse staff rarely leaves the offices to spend any time organizing the stock. A large number of items are stored outdoors laying in the weeds and are exposed to the elements. These items include many very expensive submersible pumps. Approximately one third of the 985 hand pumps purchased for Project 0320 are laying in an open field next to the scrap pile.

There is little or no security in the area which is located at the rear of the property. Security guards are fearful of entering this area at night because of the neighborhood adjacent to the property. A security fence or wall should be constructed at the rear of the warehouse compound. More of those same hand pumps described above are being stored at four other locations, and all

are exposed to the elements and to the possibility of theft. It is ironic to note that a covered secure area is being constructed to store scrap, while valuable supplies are out in the open. See Annex 1 for photographs of these conditions.

While many of the stock items are very heavy, there is no material handling equipment at this location. There is not even a handtruck. A large generator was processed for delivery but still sits in place for lack of the means to deliver it.

There is a significant amount of large equipment that is no longer serviceable and should be disposed of instead of occupying valuable storage space.

Inventory Controls:

As previously mentioned, because of Corte de Cuentas procedures, it is very difficult to trace items from receipt to issuance. Data Processing is deficient in their data entry. Many items had been issued but had not been recorded in the computer inventory. As the filing system is poorly organized, it requires hours to ascertain the history of a single item. Warehouse No. 4 is the only one that has any semblance of an idea of which items were procured for a particular project. No evidence could be found in the Data Processing records of the existence of the handpumps mentioned above. The warehouse staff did have Kardex cards for these items but they are not stored or recorded in accordance with the codes assigned by Data Processing. Instead, they are stored by the manufacturers part number. The same holds true in most of the other warehouses. Some attempt was made to make and affix tags on each item, indicating the manufacturer's codes. About 75% of all items are tagged. No location codes are marked on the shelves and parts do not have location codes.

WAREHOUSE No. 5, EL CORO (Tools):

Physical Facilities:

Space is extremely cramped and the warehouse is filthy.

Inventory Controls:

Many large-sized items of inventory are charged to this warehouse but are stored or loaned out permanently to other locations. If this is to continue, they should be permanently assigned and controlled through the Control Patrimonial. Some items were loaned years ago with no follow through. For example, one item was loaned to the Hotel Presidente in 1989. Other items were loaned to a German consultant. It was difficult to locate all

documents, but with patience we were able to verify each item loaned or assigned elsewhere. However, there is little control over transactions such as this.

WAREHOUSE No.6, EL CORO (Automotive Parts):

Physical Facilities:

Space is very cramped and limited. Items are stored in all available space, even in the aisles. A mezzanine has been partially constructed but remains uncompleted. All Grove Crane parts and accessories are in four or five large boxes on the second floor. It took hours of searching to find a single hydraulic hose. The warehousemen rarely venture out of the office. There are quantities of junk (such as old worthless tires) that should be disposed of. See Annex 1 for photographs of these conditions.

Inventory Controls:

As with all other warehouses checked, goods are not stored or recorded by their Data Processing Codes. Only manufacturer's codes are used. Cards affixed to each item indicate the manufacturer's nomenclatures and prices. There are no location codes. Goods are stored according to the vehicle to which they pertain. Often it was only possible to identify the item by its price. Many items had been issued from stock but the issuance had not been recorded by Data Processing.

About 25% of the tickets identifying stock items are lost or missing. Therefore, it was very difficult to identify many items. There is no organized filing system. Each warehouse office has a four drawer file but they are used more for the storage of personal items than for files. The cabinet in Warehouse No. 6 contained the following: Top drawer, toilet paper; 2nd drawer, office supplies; 3rd drawer miscellaneous items and 4th drawer, documents by six month groupings, thrown together in a jumbled stack.

WAREHOUSE No. 7, EL CORO (Well Drilling Supplies):

Physical Facilities:

This facility is used to store the largely heavy materials that the Well Drilling Division utilizes. There are no materials

handling equipment available at this site. A large open area between two outdoor storage areas serves as a welding and auto repair shop. Repairs are done out in the open. There are four truck hulks and other items which occupy storage space and should be disposed of. A wide variety of expensive equipment is stored in the open and is unprotected from the elements. See Annex 1 for photographs of these conditions.

Inventory Control:

This warehouse was the only one visited which utilized the location and other codes assigned by Data Processing. Many of the items listed as being in stock are physically located on drilling rigs and trucks. This warehouse indirectly manages a storage area at Guluchapa near Lake Ilopango. Because of this, it is difficult to get an exact inventory. However, a verification of all the USAID stock was completed at that location.

WAREHOUSE No. 14, SANTA ANA:

Physical Facilities:

The warehouse at that location is fairly orderly. However, stock items are stored in three different locations which makes control rather difficult. The facility at Sonsonate is also the responsibility of this warehouse.

Inventory Control:

The Kardex for the stock at this warehouse did not match the data recorded in the Data Processing Inventory. Seven items were incorrect. For example, the inventory for hydrants indicates that there are five in stock. However, both delivery documents and warehouse personnel report that only two have ever been received. In addition, item descriptions are often incorrect on the cards.

WAREHOUSE No. 15, SONSONATE:

Physical Facilities:

Warehouse facilities at this site are very cramped. There is only a small amount of inventory here as this storage area is a sub-storage area for Santa Ana.

Inventory Control:

Inventory control is similar to other warehouses in ANDA. It was difficult to perform an audit trace because Corte de Cuentas had collected all of the original documents. Three of the items reportedly in stock had been picked up. The warehouse maintains a supplemental listing of stock items that they designed themselves. Only through this supplemental listing was it possible to determine when goods had been previously issued. The representative of the Corte de Cuentas stated that this warehouse was trying to exert too much control with this supplementary listing. This attitude is very revealing and sharply points out the deficiencies of the system. It is too easy for goods to be lost or stolen.

WAREHOUSE No. 16, SAN MIGUEL:

Physical Facilities:

The warehouse is very cramped and a great number of items are scattered in outdoor storage areas. There is a significant amount of scrap that should be disposed of, to free up space for additional storage.

Inventory Control:

There were many items in the warehouse inventory that were physically located in other areas. All the generators that were located reasonably close to San Miguel were verified. These items should not be carried on the San Miguel stock inventory. Instead they should be assigned as part of the plant property at their actual locations and carried on the Control Patrimonial records. It was difficult and time consuming trying to conduct an audit for these items.

IV. ITEMS INVENTORIED, ERRORS IN SYSTEM AND PERCENTAGE OF ERRORS AT ANDA WAREHOUSES

Warehouse	Items $5000 +	Inventoried	%	Items $2500 $5000	Inventoried	%	Items $1100 $2500	Inventoried	%	Items $500 $200	Inventoried	%	Items Less Than $500	Inventoried	%	Total of Items Inventoried	Number of Errors	Percentage of Error
I	0			0			0			0			58	12	20	12	5	42%
II	1	1	100	1	1	100	2	2	100	6	6	100	129	13	10	23	19	83%
III	5	4	80	7	7	100	22	22	100	27	15	56	264	15	6	63	11	17%
IV (279)	15	14	93	78	42	54	22	5	23	13	4	30	369	23	6	88	46	52%
IV (320)	1	1	100	6	6	.100	13	6	46	55	30	54	657	36	5	79	28	35%
5	9	9	100	7	7	100	9	7	77	10	6	60	36	9	25	40	34	85%
6	0			0			5	5	100	9	7	77	1072	74	7	81	13	16%
7	5	5	100	9	6	66	21	16	76	36	21	55	297	26	8	74	37	50%
14	0			0			0			0			44	17	39	17	13	76%
15	0			0			0			0			4	4	100	4	3	75%
16	9	9	100	5	5	100	0	0	0	1	1	100	85	14	22	29	18	62%

V PROBLEMS AND RECOMMENDED SOLUTIONS

1. Item Identification by Project

If articles are to be tracked by project, it is important that accurate data be entered into the system. It is unreasonable to expect warehousemen to sort out descriptions and projects and to translate English into Spanish. Item descriptions and all shipping documents are sent to warehouses in English. Rafael Gúzman, the Chief of Warehouse No. 3 illustrates the problem. He takes documents home and has his teenage daughter assist him with the translations.

Recommendation:

Translate all pertinent documents for warehouse input into Spanish, with accurate descriptions. If it is important to USAID to warehouse items by separate groups according to projects, notify the Chief of Warehouses of ANDA accordingly. This translation and description process can be accomplished by using the bilingual secretary presently at ANDA/USAID with the back up assistance of the Louis Berger staff currently working in this institution.

2. Improvement of the Inventory Control System

The inventory control system presently in use is archaic, inaccurate and extremely time consuming. Reports produced by the system are unreliable. It is a difficult, if not impossible task to follow an audit trail. At the present time the Corte de Cuentas picks up Kardex cards every 6 months. New cards are duplicated and the previous balances are indicated. This amounts to a lot of busy work but there is no continuity of records.

Recommendations:

The Kardex System should be eliminated and replaced by a Data Processing Inventory Control System managed at the warehouse level. There is a computer presently assigned but under-utilized in the Warehouse Management Office. That computer would be adequate to handle inventory control for the entire system. There are free software programs available for inventory control of water systems. For example, [redacted] SANAA's problems are similar to those currently encountered in El Salvador's water system. Also PROSAMI has an inventory control program which could be modified for ANDA and could be shared free of charge. A data processing Consultant could easily modify and install the program and train essential staff. Staff currently

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assigned to the warehouse section but working at Data Processing could be trained to run this system and should be assigned directly to the Logistics Division. A Data Processing Inventory Control system would offer:

1. Continuity of records.

2. Complete history of each item including cost and descriptions.

3. Elimination of the need for Kardex systems.

4. Instant verifiable data for the Corte de Cuentas.

5. Data on maximums and minimums.

6. Automaticly produced purchase requisitions plus a variety of other forms and statistics for planning purposes.

7. Information on the interrelationships of articles.

3. Salaries of Warehouse Management Personnel

The person currently heading Data Processing, Inventory Management is being paid 1 200 colones per month, which is less than some of the staff whom he supervises. This is not a realistic situation. Since the implementation of Law 111 in December, 1991, some 150 employees have left ANDA, many of whom were staff who had received training abroad. Among those leaving were several highly qualified, key people in the Data Processing Section.

Recommendation:

Salaries of warehouse personnel should be reviewed and rationalized to stop the loss of trained, experienced staff.

4. Problem: Materials Handling Equipment

No materials handling equipment exist at the warehouses with the exception of some heavy duty cranes. Many of the items in stock are extremely heavy and cannot be moved by hand. This creates a serious stumbling block. Without a forklift, it is impossible to utilize vertical space and effectively warehouse the stock on hand.

Recommendations:

C. Purchase a forklift to be used at the warehouses at El Coro and La Ceiba. Purchase a hydraulic lift gate for one of the two trucks presently being utilized for inventory delivery. A small

hydraulic crane should also be purchased for this truck, which would make the delivery of heavy items of inventory possible. Warehouses should be provided with pallet movers, hand trucks and dollies for moving items into and out of stock. The warehouses should have palletized storage wherever possible.

5. Storage Space

There is inadequate space in the warehouses and lack of covered areas for inventories. Often, more attention is given to safeguarding scrap than to protecting costly inventories.

Recommendations:

An obvious but perhaps unrealistic answer to this problem would be to build one or two large warehouses and start over anew. Due to the scarcity of resources, this may not be feasible; however, the economics of consolidation and new construction vs. rehabilitation should be analyzed. There are two large warehouses that, though they are old, can be rehabilitated. A second floor or mezzanine can be added to these buildings thus greatly increasing available warehouse space. Warehouses need to be reconfigured in order to increase space. The services of an architect skilled in warehouse design and rehabilitation should be engaged.

A roofed area should be provided where stock is currently stored in the open. It would be feasible to roof the area outside the IRA Warehouse (referred to as the Pigeon Coop), thus extending that warehouse. After the chlorine tanks are removed, additional storage area will become available. The area between Warehouses No. 7 should be roofed to provide protection for heavy items now exposed to the elements.

At Warehouse No. 3, La Ceiba and Guluchapa, frameworks were constructed to cover materials and equipment but a roof has yet to be erected. The improvements mentioned above are relatively simple, inexpensive matters that should be accomplished as quickly as possible.

6. Disposal of Scrap and Excess Materials

An excessive amount of scrap is left laying around warehouses and yards.

Recommendations:

Remove all scrap and excess materials to an area outside of San Salvador. Ample space is available in the outlying regions. Guluchapa would be a feasible location. A preferable solution is to sell most of the unusable materials as quickly as possible.

7. Shelving and Cement Storage

Adequate shelving is not available in the warehouses. It is impossible to maintain inventories of varied items in great quantities, which are currently stuffed in cardboard boxes. There are virtually no bins for the storage of smaller items. Excessive amounts of cement are being stored.

Recommendations:

The Warehouse Administration has made significant steps in solving the shelving problems. At the present time shelving is being constructed, but is a very slow process. A second floor has been constructed over the automotive supplies but the shelving is yet to be constructed. It is also urgent that this shelving be completed. It is also important that shelving and storage bins be completed for Warehouse No. 4 in order to correctly control donated supplies and equipment. With the acquisition of a forklift, piperacks could be erected for palletized and vertical storage.

Large amounts of cement are being stored. The bags are subject to breakage, water damage and loss. The bags are heavy and require manpower to move. Recommend considering purchase of cement on an annual or more frequent basis with distributors handling the warehousing. This would free up a significant amount of additional space.

8. Record Keeping

Records are not well filed or maintained. The Kardex System provides no continuity of warehouse transactions. These conditions, coupled with lack of locations and effective marking, make it very difficult to locate articles. Goods are not normally identified by Data Processing Code numbers on the shelves or on individual items. Not all goods have an identifying tag. There is no uniform method of identifying stock items. The locations are mainly recorded in the memories of warehouse personnel. Some of these warehouse people will retire soon and that information will be lost.

Recommendations:

Maintain location codes in the data processing inventory control system and mark shelving accordingly. Use the Data Processing codes to identify and mark individual items.

9. Uniform Filing System

There is no uniform filing system in the warehouses. Filing cabinets are not being properly utilized.

Recommendations:

Establish a uniform, tested filing system for all warehouses.

10. Forms

The principal forms used in the warehouse should be redesigned. At the present time the same form serves both ordering and delivery. Goods transferred temporarily to other institutions are unnumbered. They are difficult if not impossible to track.

Recommendation:

Review and re-design all major forms used in the inventory control system.

Problem: Manpower

An abundant amount of manpower is available in all warehouses. Most have a Chief and at least three other persons plus a Secretary. Even the smallest warehouses have at least two persons. These persons rarely venture out into the stock areas and cleaning the warehouses appears to be an anathema. In many instances there is more space devoted to the office area than is used for stock storage.

Recommendations:

The elimination of the Kardex System will free up a great number of people. Job specifications should be revised, specifying that the position includes maintenance of the stock and the warehouse. The Warehousemen should be assigned to be with the stock rather than sitting in an office. This also applies to the Warehouse Chiefs.

12. Inventory

It appears that a complete inventory has never been taken. Warehouses are never closed to take inventory.

Recommendations:

Due to the unreliability of the present inventory records, it is important to take a complete inventory of stock on hand. Subsequent inventories should be handled on a cyclic basis, inventorying a twelfth of the stock each month.

13. Chlorine Gas

Large quantities of chlorine gas are stored in El Coro. This is a serious, potential safety hazard.

Recommendation:

ANDA is aware of the chlorine gas problem and is taking steps to correct it. They plan to move the gas to Guluchapa, close to the shores of Lake Ilopango. A chlorine gas facility is presently being constructed there. This activity should be completed as rapidly as possible

14. Covered Storage

The roofs in Warehouse No. 1 and in the IRA Warehouse leak badly.

Recommendation:

These roofs need to be repaired in order to keep stock dry.

15. Security

There is inadequate security at the ANDA warehouses. In the back lot behind Warehouse No. 4, there is a flimsy fence which offers little, if any security. The area immediately beyond the fence drops off to a very poor neighborhood. Night watchmen are fearful of entering this area at night. There are many USAID donated items stored in this area including some of the hand pumps that have been ordered for Project 320. A protective wall or security fence should be built to seal off this area. At the La Ceiba Warehouse, there is no watchman on duty from midnight to 6 am.

Recommendations:

Construct a protective wall or a security fence at the rear of El Coro Warehouse No. 4 and require that night watchmen check this area frequently. Hire a night watchman at La Ceiba between the hours of midnight and 6 am.

16. Procedural Manual

There are no warehouse procedural manuals and no stock catalogs for use by ordering Departments.

Recommendations:

A comprehensive Warehouse Procedural Manual should be produced and furnished to each warehouse. This Manual should describe how to use the system, the forms to use, and how to order from stock. Stock catalogs can be issued and distributed via the new Data Processing System.

17. Stock Levels

There are no established maximum or minimum stock levels in the inventory management system.

Recommendation:

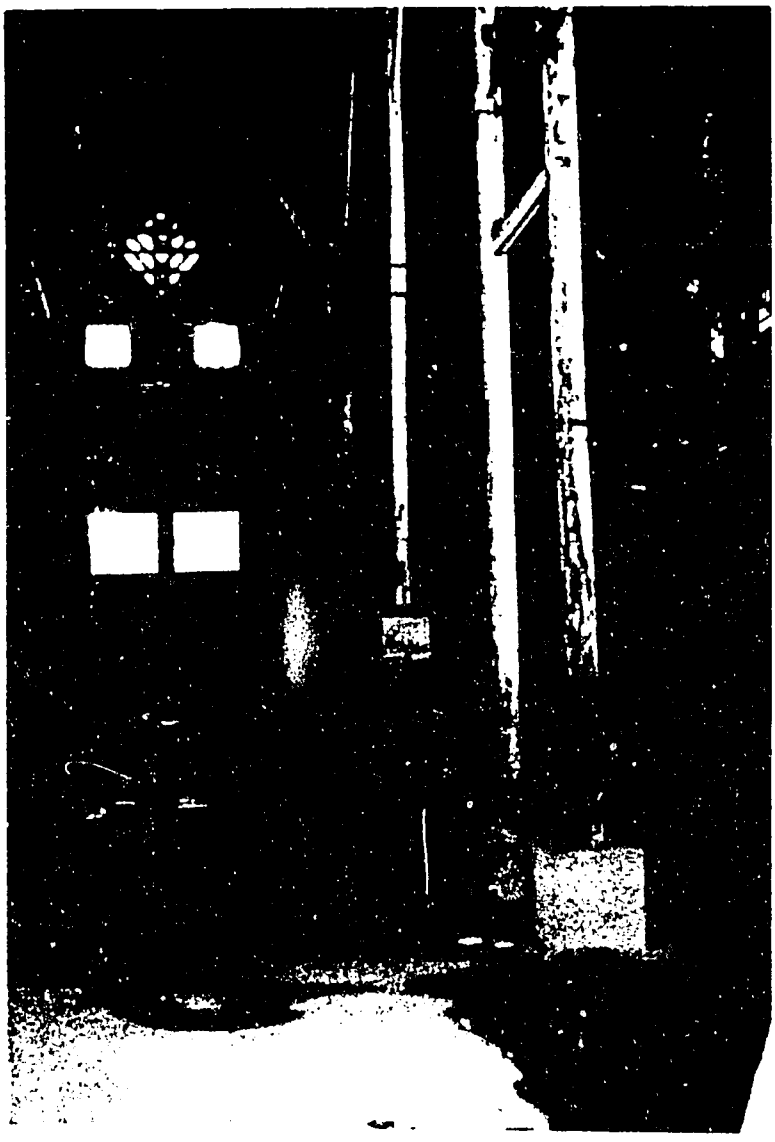
Establish stockage levels, reorder levels, reserve levels and other appropriate stockage objectives.

ANNEX 1

PHOTOGRAPHS OF SOME PROBLEM AREAS

ANEXO 1

FOTOGRAFIAS DE ALGUNAS AREAS CON PROBLEMAS



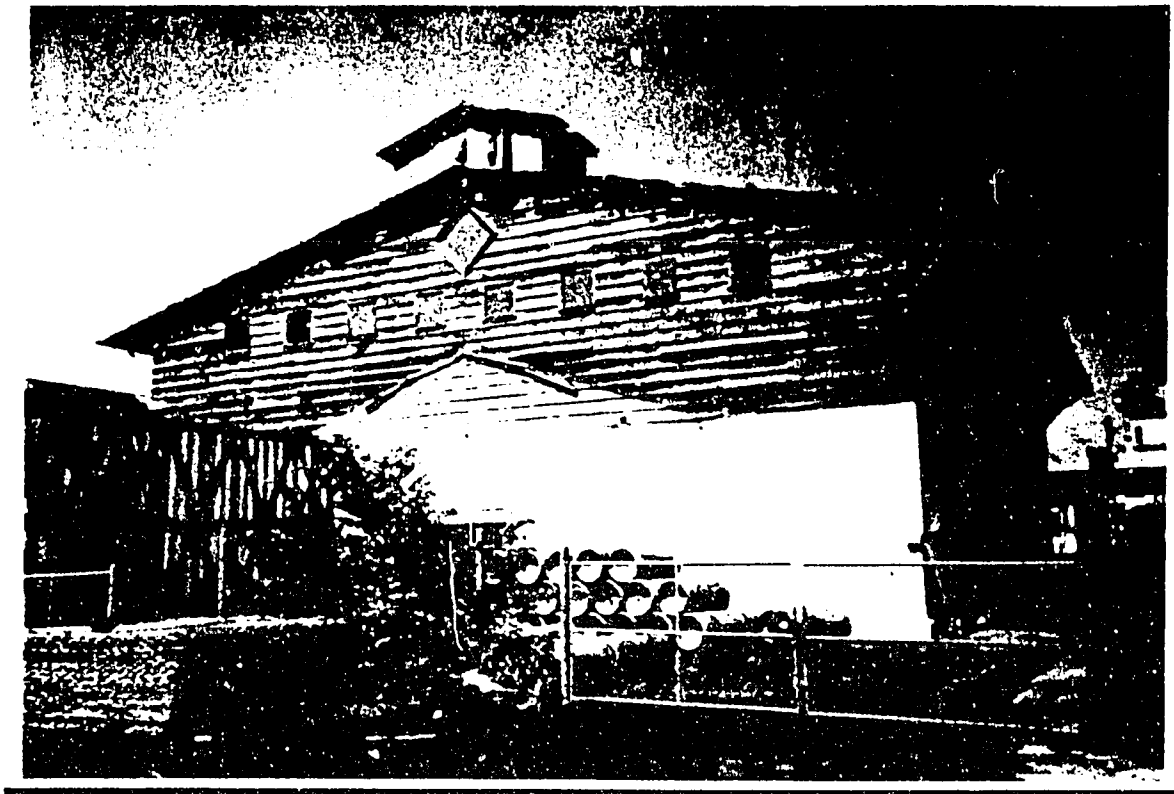
INTERIOR OF IRA WAREHOUSE, (PIGEON COOP) THAT COULD HAVE, A SECOND FLOOR OR MEZZANINE AND PALLETED STORAGE.

INTERIOR DE BODEGA "IRA" (CASILLERO)QUE PODRÍA TENER UN SEGUNDO NIVEL O ENTRESUELO Y ALMACENAJE PARA TARIMAS.

ANOTHER VIEW OF THE INTERIOR OF WAREHOUSE NO.1. NOTE QUANTITY OF CEMENT.

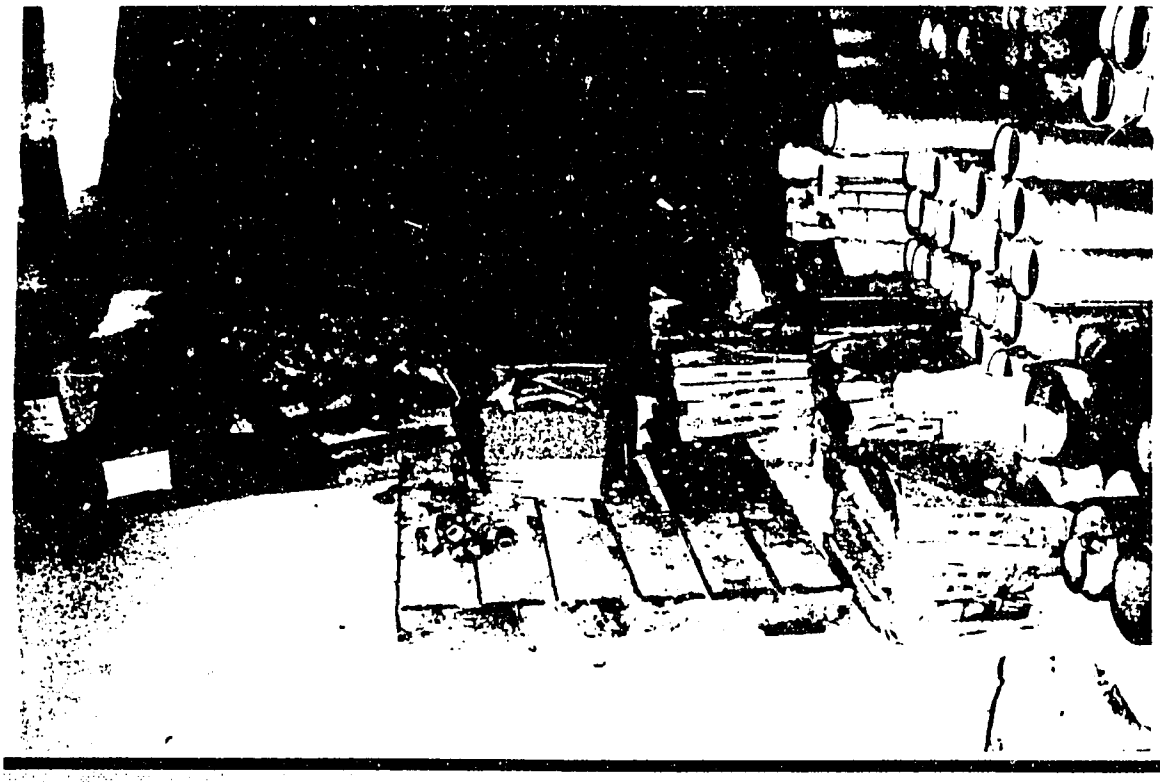
OTRA VISTA DE LA BODEGA NO.1. NOTESE LA CANTIDAD DE CEMENTO.

BEST AVAILABLE COPY



AN OUTSIDE VIEW OF IRA WAREHOUSE THAT COULD BE BETTER UTILIZED WITH THE ADDITION OF ANOTHER FLOOR. NOTE THE TANKS OF CHLORINE GAS STORED IN THE ELEMENTS.

VISTA DEL EXTERIOR DE LA BODEGA IRA EN EL CUAL SE PODRIA CONSTRUIR OTRO PISO. NOTESE LOS TANQUES DE CLORO.



STORAGE IN IRA WAREHOUSE. NOTE GOODS ON DAMP FLOOR AND NOT ON PALLETS.

ALMACENAJE EN LA BODEGA IRA. NOTESE LOS ARTICULOS QUE ESTAN EN EL PISO Y NO EN LAS TARIMAS.

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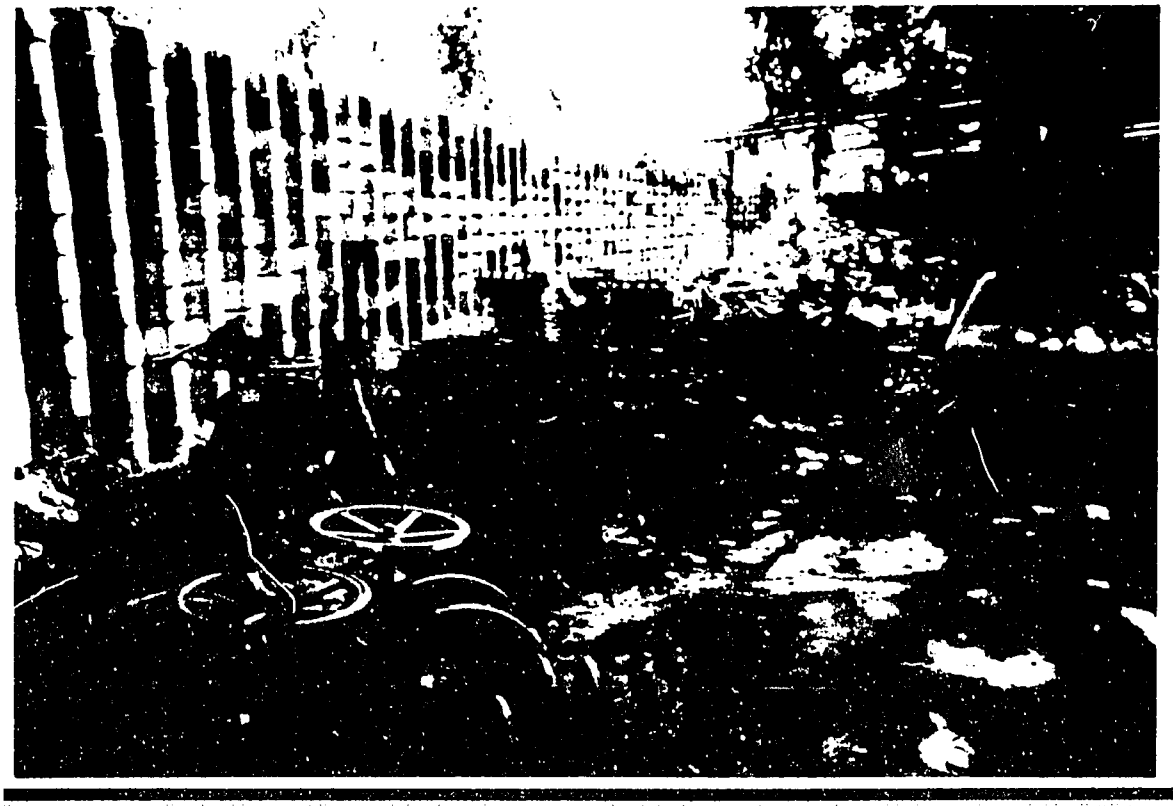

ANOTHER VIEW OF OPEN STORAGE CONDITIONS AT WAREHOUSE NO.3 AT LA CEIBA.

OTRA VISTA DEL ALMACENAJE AL AIRE LIBRE EN LA BODEGA NO.3 "LA CEIBA".

UNFINISHED COVERED STORAGE AREA AT WAREHOUSE NO.3, LA CEIBA.

AREA SIN TERMINAR DE CONSTRUIR EN BODEGA NO.3., LA CEIBA.

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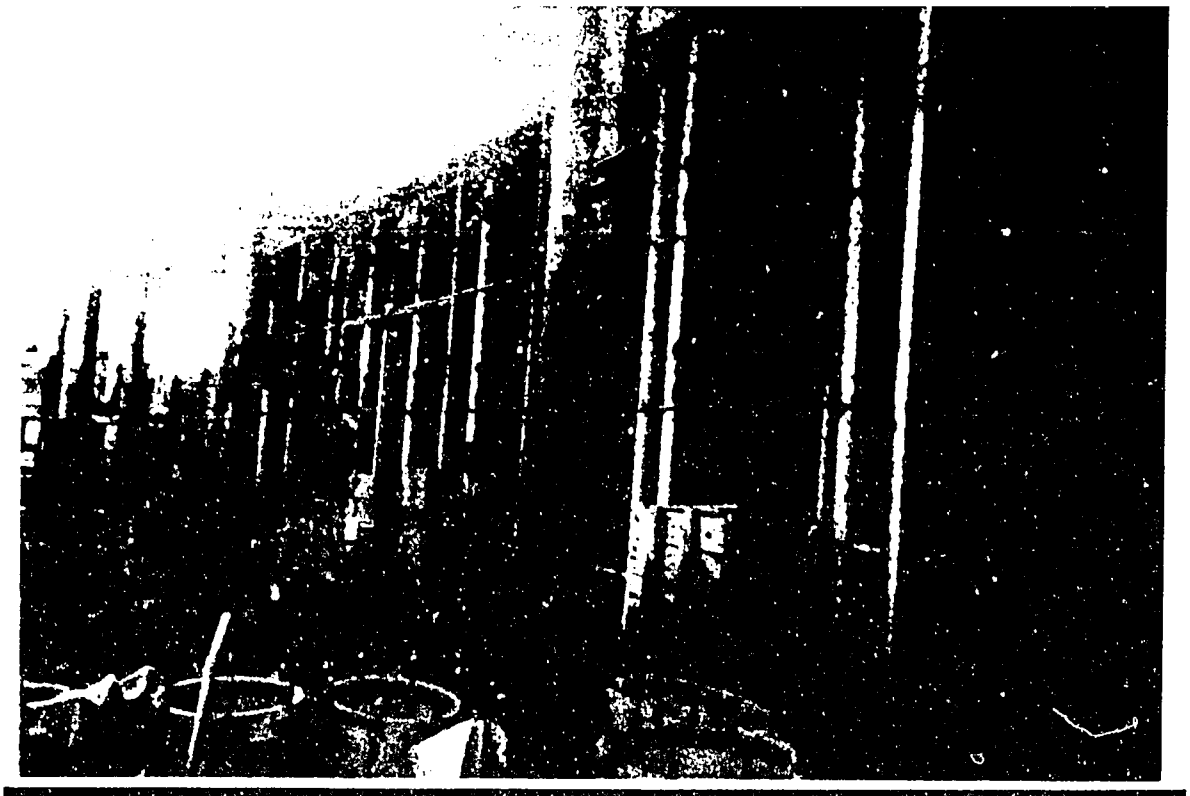

TYPICAL STORAGE CONDITIONS AT WAREHOUSE NO.3, LA CEIBA.

CONDICIONES TIPICAS DE ALMACENAJE EN LA BODEGA NO.3, LA CEIBA.

UNCOVERED STORAGE CONDITIONS AT WAREHOUSE NO.3.

ALMACENAJE AL AIRE LIBRE EN BODEGA NO.3

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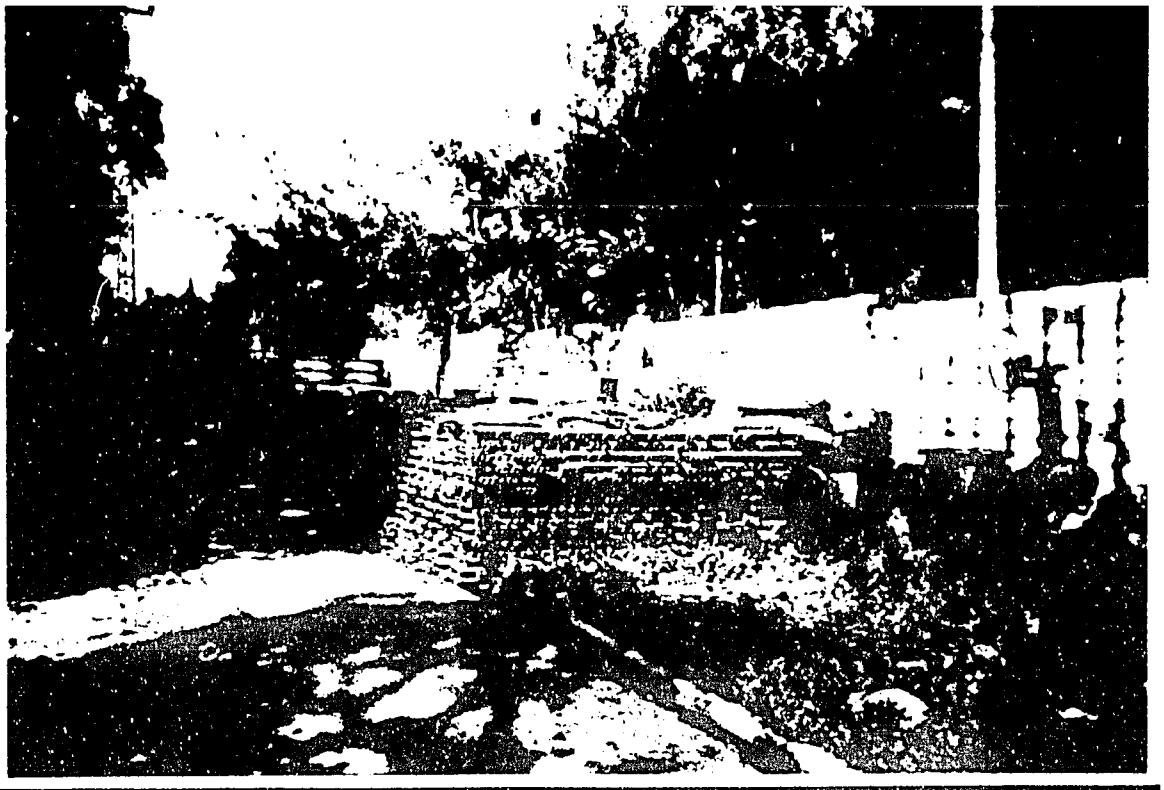

OPEN STORAGE CONDITIONS AT WAREHOUSE NO.3 AT LA CEIBA.

CONDICIONES DEL ALMACENAJE AL AIRE LIBRE EN LA BODEGA NO.3, LA CEIBA.

STORAGE OF PROJECT 0320 MATERIALS IN WAREHOUSE NO.4. A TOTAL OF 742 LINE ITEMS ARE STORED THERE, A GREAT NUMBER ARE IN THIS PILE.

ALMACENAJE DE MATERIALES DE PROYECTO 0320 EN BODEGA NO.4. UN TOTAL DE 742 ARTICULOS SE ENCUENTRAN EN ESTA BODEGA, LA MAYORIA DE ESTOS ESTAN EN ESTA PILA.

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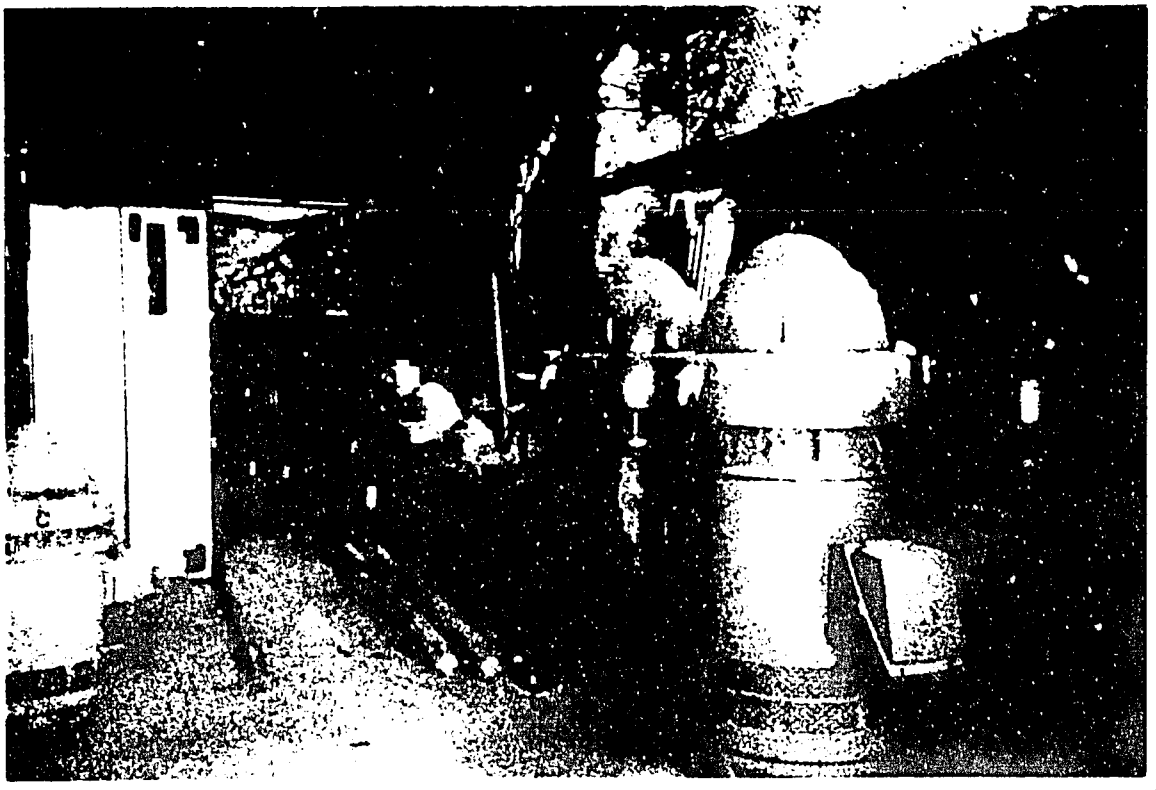
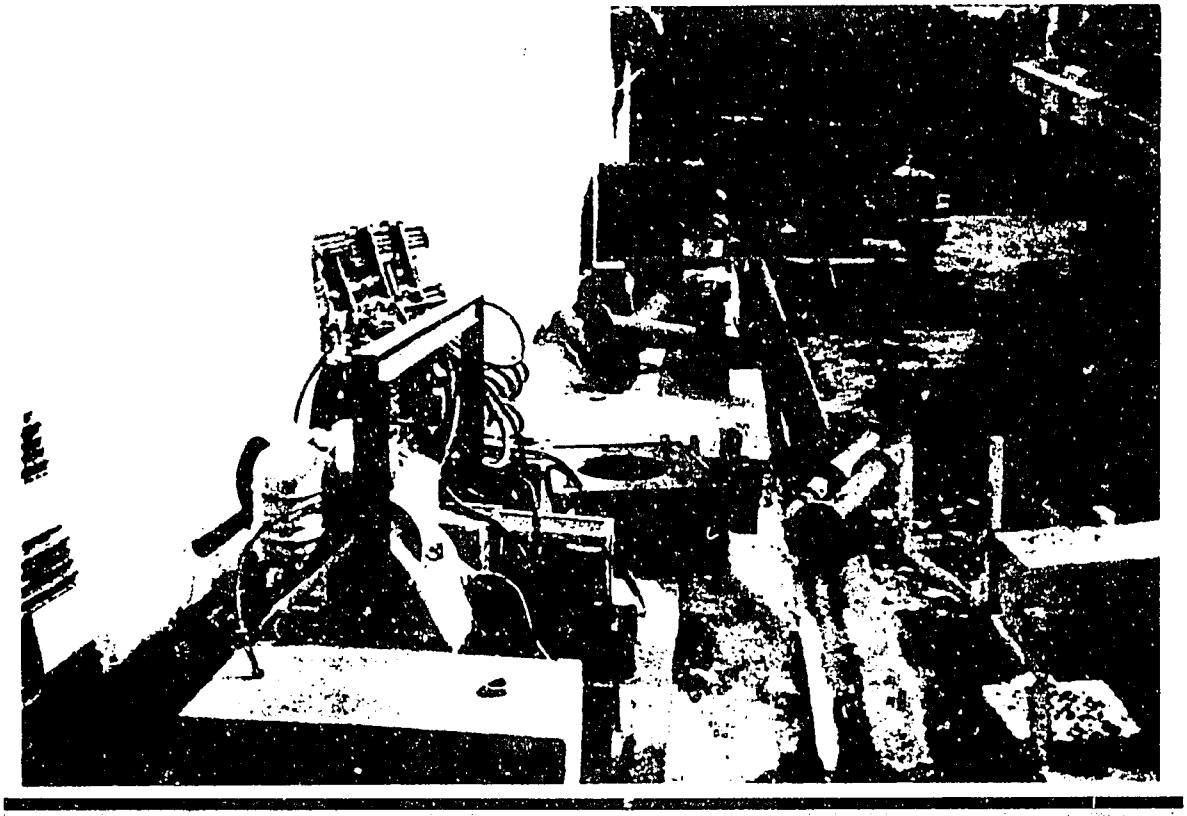


TYPICAL STORAGE CONDITIONS AT WAREHOUSE NO.4.

TYPICA FORMA DE ALMACENAJE EN BODEGA NO.4



A TYPICAL REPRESENTATION OF EQUIPMENT AND SUPPLIES STORED IN OPEN.

TIPICA SITUACION DEL EQUIPO Y MATERIAL QUE SE ALMACENA A LA INTERPERIE.

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SCRAP WAREHOUSE UNDER CONSTRUCTION AT WAREHOUSE NO.4.
NOTE THE PUMP HANDLES AMONG THE SCRAP.

CONSTRUCCION DE BODEGA DE SOBRANTES EN BODEGA NO.4.
NOTESE LAS BOMBAS MANUALES ENTRE LOS SOBRANTES

UNPROTECTED AREA AT REAR OF WAREHOUSE NO.4, EL CORO. EXPENSIVE PUMPS ARE STORED IN THE WEEDS. NOTE HAND PUMP HOUSING IN THE CENTER OF THE PHOTOGRAPH.

AREA SIN PROTECTION ATRAS DE LA BODEGA NO.4, EL CORO. BOMBAS COSTOSAS SON ALMACENADAS EN LOS MATORRALES. NOTESE LA BOMBA MANUAL EN EL CENTRO DE LA FOTOGRAFIA.

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ANOTHER VIEW OF STORAGE CONDITIONS AT AUTOMOTIVE WAREHOUSE NO.6.

OTRA VISTA DE LAS CONDICIONES DE LA BODEGA AUTOMOTRIZ NO.6.

UNSEGREGATED STORAGE OF HUNDREDS OF PROJECT 0320 ITEMS IN WAREHOUSE NO. 4

ALMACENAJE EN FORMA DESORDENADA DE CIENTOS DE ARTICULOS DEL PROYECTO 0320 EN BODEGA NO.4

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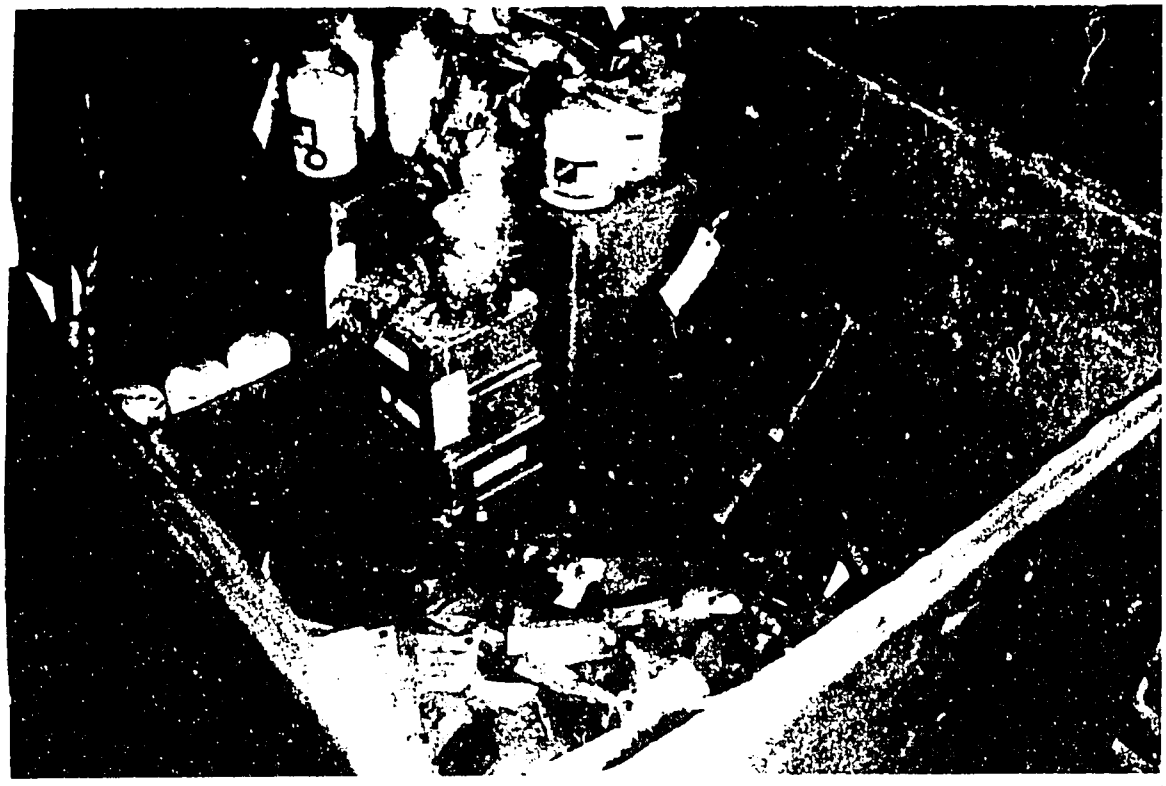
CRAMPED STORAGE CONDITIONS AT WAREHOUSE NO. 6

CONDICIONES AMONTONADAS DE ALMACENAJE EN BODEGA NO.6

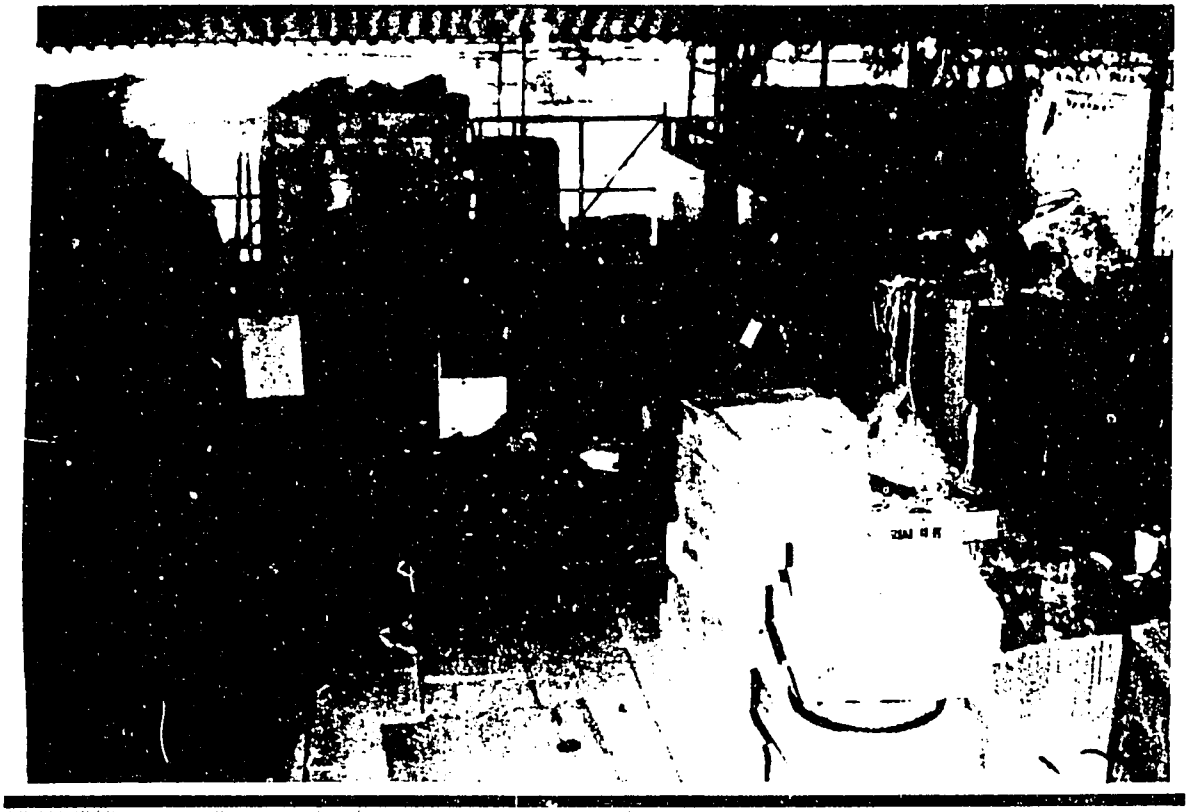
TYPICAL STORAGE CONDITIONS AT THE AUTOMOTIVE WAREHOUSE NO.6.

TIPICA FORMA DE ALMACENAJE EN BODEGA AUTOMOTRIZ NO.6.



AUTOMOTIVE PARTS STORAGE IN LARGE BOXES ON THE MEZZANINE OF WAREHOUSE NO.6

CAJAS GRANDES CON PARTES AUTOMOTRICES SOBRE PLATAFORMA EN BODEGA NO.6



AUTOMOTIVE PARTS STORAGE OF USAID DONATED MATERIALS IN WAREHOUSE NO.6.

BODEGA NO.6 CON PARTES AUTOMOTRICES QUE FUERON DONADAS POR USAID.

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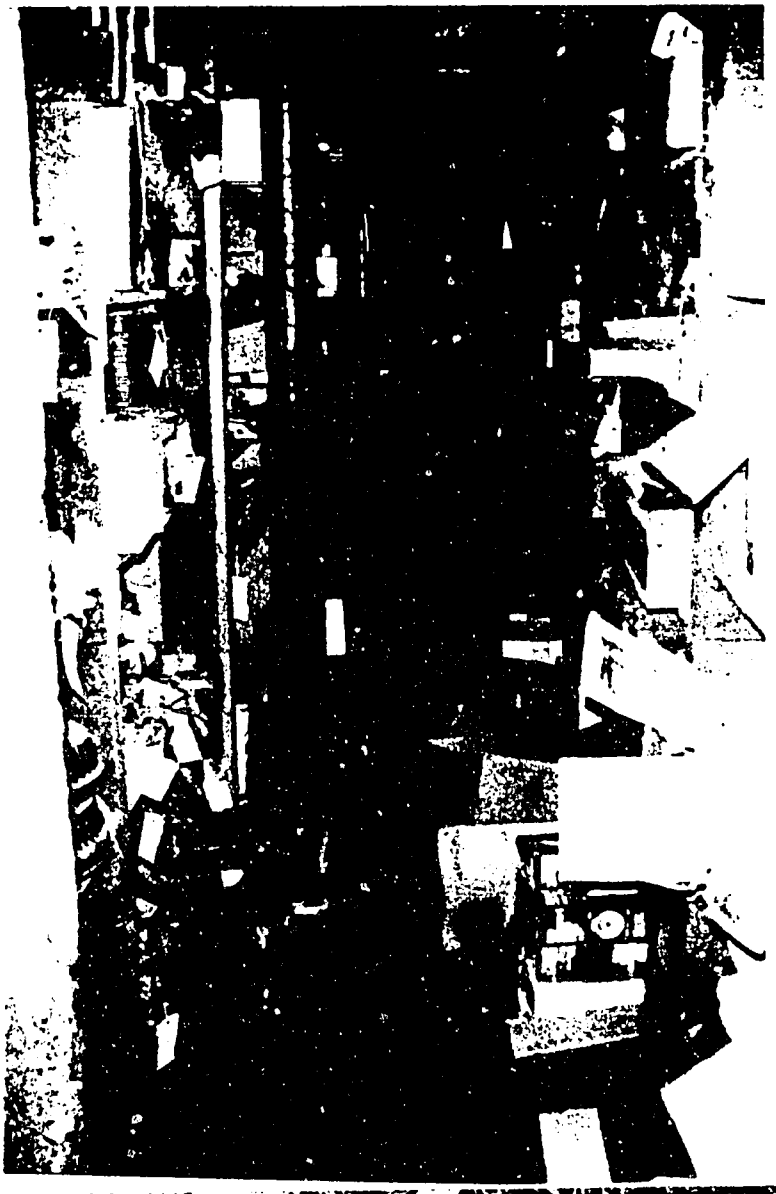

TYPICAL INSIDE STORAGE CONDITIONS.

CONDICIONES TIPICAS DE ALMACENAJE EN EL INTERIOR.

BACK LOT AT THE EL CORO WAREHOUSE. NOTE SCRAP IN LOWER CENTER OF PHOTO AND HANDPUMPS IN UPPER CENTER.

PARTE TRASERA DE BODEGA EN EL CORO. NOTESE LOS DESECHOS EN EL PARTE DE ABAJO DE LA FOTO Y BOMBAS MANUALES EN LA PARTE DE ARRIBA.

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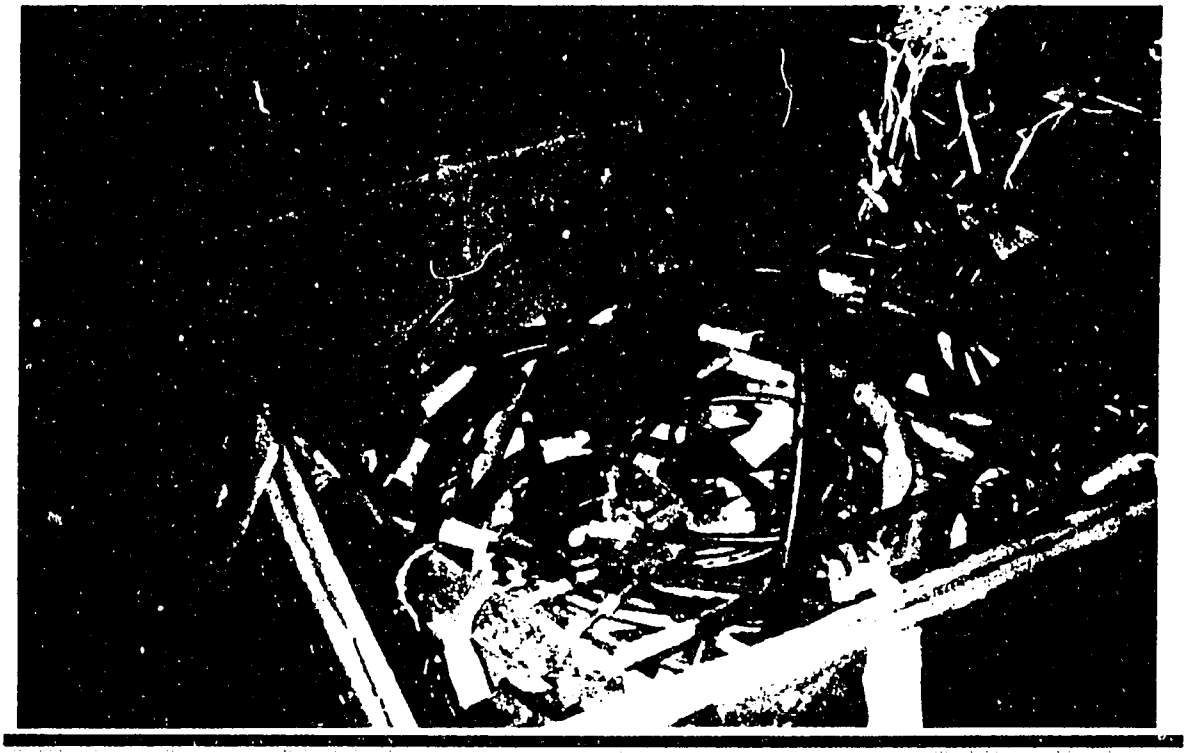
UNCOVERED STORAGE OF DRILLING EQUIPMENT AT WAREHOUSE NO.7.
TRUCKS IN THE REAR ARE UNSERVICEABLE.

ALMACENAJE AL AIRE LIBRE DE EQUIPO DE PERFORACION EN BODEGA NO.7
LOS CAMIONES EN EL FONDO SON INSERVIBLES.



WAREHOUSING OF GROVE CRANE REPLACEMENT ITEMS IN THE AUTOMOTIVE PARTS WAREHOUSE NO.6.

ALMACENAJE DE REPUESTOS GROVE CRANE EN LA BODEGA AUTOMOTRIZ NO.6.

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THIRTY 2,000 LB. TANKS OF CHLORINE GAS AT EL CORO, IN FRONT OF THE IRA WAREHOUSE.

FRENTE A LA BODEGA "IRA", EL CORO, SE ENCUENTRAN TREINTA TANQUES DE CLORO DE 2,000 LBS.

STORAGE OF EQUIPMENT IN OPEN BESIDE WAREHOUSE NO.7. THE TRUCK AT THE RIGHT IS UNSERVICEABLE. NOTE THAT THE EQUIPMENT IS UNPROTECTED.

ALMACENAJE DE EQUIPO AL AIRE LIBRE A UN LADO DE LA BODEGA NO.7. EL CAMION A LA DERECHA ES INSERVIBLE. NOTESE QUE EL EQUIPO ESTA DESPROTEGIDO.

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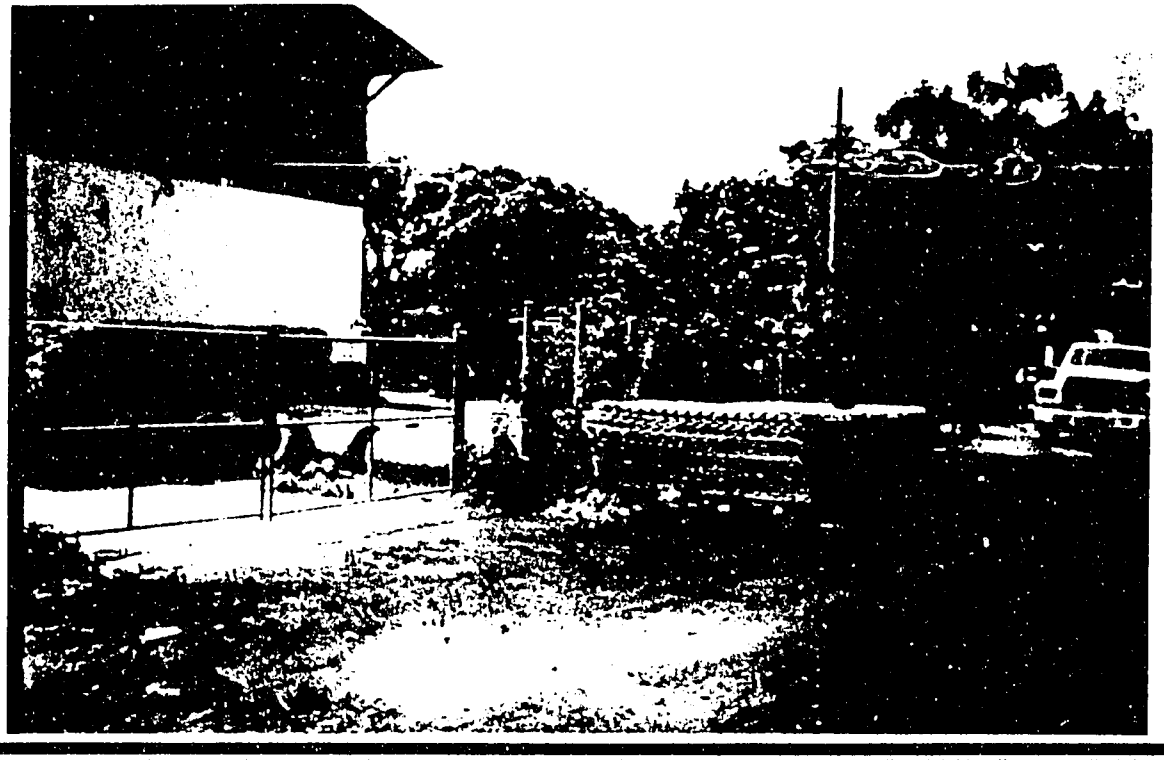
UNCOVERED STORAGE OF A WELL DRILLING RIG.

MAQUINA PERFORADORA A LA INTERPERIE.



DRILLING RODS STORED IN THE OPEN ADJACENT TO CHLORINE GAS TANKS.

MATERIAL DE PERFORACION CERCA DE LOS TANQUES DE GAS CLORO.

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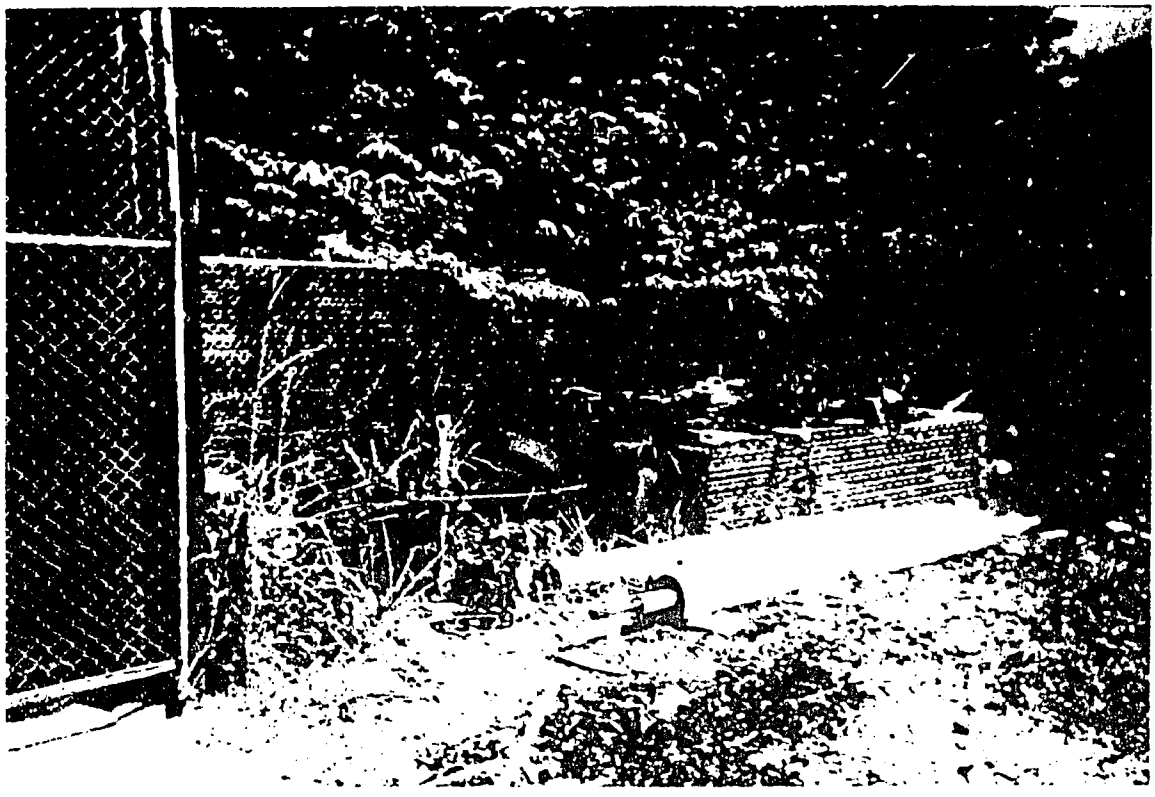

EXPENSIVE PUMPS AND PIPE STORED EXPOSED TO THE ELEMENTS.

BOMBAS Y TUBERIAS DE GRAN COSTO A LA INTERPERIE.

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ANNEX 2

REFERENCES REVIEWED

I. Evaluation of the Commodity Management System of Selected AID Grants
By: Devres, Inc., Bethesda, MD

II. Brief Report of Warehouse Conditions and Inventory Control in the ANDA Facilities

By: Jack Arbelaez, LBII Warehouse Management Specialist.

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ANNEX 3

LOCATIONS VISITED

1. The ANDA Headquarters
2. ANDA Data Processing
3. ANDA Corte de Cuentas
4. El Coro, Warehouses 1,2,4,5,6,7
5. Warehouse #3, La Ceiba
6. Warehouse #12, Guluchapa
7. Warehouse #14, Santa Ana
8. Warehouse #15, Sonsonate
9. Warehouse #16. San Miguel
10. USAID/ANDA
11. USAID

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ANNEX 4

PERSONS VISITED

Ing. Juan Ramon Menjivar
Director Administrativo
ANDA

Javier Henrriquez Miranda
Jefe Division Logistica

Pablo Rene Melendez,
Jefe de Administracion de Patrimonio

Ing. Mauricio Platero
Jefe de la Unided de Almacenes

Julio Guardado
Jefe de la Seccion de Almacenes

Sebastian Guerrero Flores
Jefe Control Patrimonial, CEL

Ing. Mauricio Chicas
Director,
USAID/ANDA

Jorge Luis Guevarra
Computationes, Control de Inventarios
ANDA

Rene de Jesus Diaz
Delegado de la Corte de Cuentas
ANDA

Douglas Miranda
Delegado de la Corte de Cuentas
ANDA

Humberto de Jesus Cardenas
Jefe de Almacen
Almacen # 4, El Coro

Rafael Guzman
Jefe de Almacen,
Almacen #3, La Ceiba

Jefes de Almacenes 1,2,5,6,7,14,15,16

James Habron,
Project Officer
USAID

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ANNEX 5

LIST OF ANDA WAREHOUSES

Almacén No 1	Ronal Angel Hidalgo Cordova	Final Av. Peralta Plantel El Coro S.S.
Almacén No 2	Ramón Cruz Villatoro	Final Av. Peralta Plantel El Coro S.S.
Almacén No 3	Rafaél Guzmán Valencia	Carretera a Santa Tecla Plantel La Ceiba
Almacén No 4	Humberto de Jesús Cardenas	Final Av. Peralta Plantel El Coro S.S.
Almacén No 5	Marcelino Antonio Duran	Final Av. Peralta Plantel El Coro S.S.
Almacén No 6	Juan Balta Borja	Final Av. Peralta Plantel El Coro S.S.
Almacén No 7	Luis Alonso Colocho	Final Av. Peralta Plantel El Coro S.S.
Bodega No 8	Ernesto A. Gonzalez	17 Av. Sur y 4a. Calle Poniente No.1015 :
Bodega No 9	Miguel Angel Solorzano H	17 Av. Sur y 4a. Calle Poniente No.1015 :
Bodega No 10	Salvador Rivera Azgunaga	17 Av. Sur y 4a. Calle Poniente No 1015 :
Bodega No 11	Juan Avelar	Boulevard El Hipodromo No 609 Colonia San Benito San Salvador.
Bodega No 12	Jorge Echeverria	Guluchapa Calle Asino Cantón Changallo Ilopango.
Bodega No 13	Jorge Alberto Rodriguez	Guluchapa Calle Asino Canton Changallo Ilopango.
Bodega No 14	Marco Tulio Pacas	Plantel El Molino Carretera Panamerican Kilometro # 63 y 64 Santa Ana.
Bodega No 15	Luis Angel Molina	15 calle Poniente Colonia Atonal Sonsona
Bodega No 16	Francisco Lopez	Plantel El Jalacatal San Miguel
Bodega No 17	Jóse Demetrio Lopez B	final Avenida Raúl Contreras calle al ce de las Pavas Cojutepeque.
Bodega No 18	Antonio Flores	Calle a Quezaltepeque contiguo a Masolin de Apopa.
Bodega No 19	Manuel de Jesús Miranda	Final Av. Peralta Plantel El Coro S.S.
Almacén No 20	Victor Manuel Gomez	Final Av. Peralta Plantel El Coro S.S.

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ANNEX 6

LIST OF ALL ITEMS INVENTORIED WITH THE ERRORS AND DISCREPANCIES FOUND

SELECTIVE INVENTORY WAREHOUSE #1

MATERIALS DONATED BY AID PROJECTS 279 AND 320

CODE	DESCRIPTION	UM	COST	QTY	OBSERVATIONS
100001300	Anillo de Acero Inoxidable 16/10	ea	1482.50	16/16	Unable to count accurately
100001400	Anillo de Acero Inoxidable 16/15	ea	2138.50	32/32	Unable to count accurately
100001200	Anillo de Acero Inoxidable 16	ea	1722	32/32	Unable to count accurately
100001500	Anillo de Acero Inoxidable 20	ea	2210.75	33/33	Unable to count accurately
100001700	Anillo de Acero Inoxidable 20 x 15	ea	2725.00	7/7	
100001800	Anillo de Acero Inoxidable 24	ea	2813.80	35/35	Unable to count accurately
250000700	Valvula Gate de Bronce 2" Union a Brida 160 psi	ea	1122.25	8/7	1 Delivered 9/7/92
25001100	Piston de Bronce p/Valvula de 10" de Escape	ea	3527.45	5/0	Not in Whse. #1 In Whse #3?
250001100	Piston de Bronce p/Valvula de 10" de Escape	ea	3527.45	5/0	Not in Whse. #1 In Whse #3?

SELECTIVE INVENTORY ALMACEN #2

DONATIONS USAID PROJECTS 279 AND 320

CODE	DESCRIPTION	UM	COST	QTY	OBSERVATIONS
50017600	Aparatos Portates de Medir Presion c/uno don 9 paquetes	ea	7449.88	2/0	Was del. No Record To Corte
50015000	Iluminated Incubator, Precision Mod. 818	ea	22761.27	1/0	Was del. No Record To Corte
50019800	Nusonics Microlow 90 Portable Battery Operated 2-48"	ea	55620.60	4/2	2 del. Diff. to Locate Record
50019700	Standard Simplex Pittot Rod 40" for 36" pipeline Includine	ea	17995.00	4/2	2 del. Diff. to Locate
170004900	Caja de Succion s/bushing	ea	415.01	29/29	
170020400	Portacojinete de 10" x 1.7/8"	ea	322.38	9/9	
190006000	Clorinadores Moderm Mod. T410, Serie N.905571-1, 905571-2	ea	4495.25	10/0	Only Rec. 5 Delivered
190006100	Comparadores de Cloro c/u comp. estuche disco de O A 3.5 ppm	ea	217.26	345/0	Only rec. 45, Del.
190006200	Hipocloradores Milton Roy Mod. Dll-71 Serie 90022395	ea	4323.10	6/0	5 Del. Minus 1
220011900	Fisher 15-398-400 Aqua Tester		2287.05	1/0	1 Del.
20004502	Interruptor Termico Clockner Mueller		1319.82	2/2	No prices on tickets.
420002800	2" Ball Valve CRPUXA18966	ea	1233.75	20/0	Only 10 Rec. Delivered. 10 short.

420002700	2" Inyector 1G #U25757 SKM #U25757	ea	6222.50	2/0	Only 1 Rec. 1 Delivered 1 short.
420003700	Chlorine Strainer #U28199	ea	2352.42	4/0	Only Rec. 2 2 Delivered 2 short.
420003300	Gas Pressure Reg. Valve #U17800	ea	6752.74	2/0	Only Rec. 1 1 Del.
420002000	Gauge "U" with hode set for Standard Simples Pilot Rod	ea	13072.39	4/0	Only Rec. 2 2 Delivered 2 Short
420011800	P-40559 Rod	ea	807.92	12/0	12 Delivered Short 12
420003000	Rotameter #UXJ0945	ea	2519.41	2/0	Only Rec. 1 1 Delivered
420012400	U-20896 Gas Line	ea	1396.04	1/0	1 Delivered Short
420003200	Vac. Reg. Valve #U6312	ea	3715.69	2/0	Only Rec. 1 Delivered 1 2 short.
420003400	Vac. Rel. Valve #U25865	ea	2857.56	2/0	Only Rec. 1 Delivered 1 2 Short.
420003900	Vacuum Gauge Diaphragm	ea	2287.15	4/0	Only Rec. 2 Delivered

SELECTIVE INVENTORY OF 279 AND 320 AID CONTRIBUTIONS
ANDA - LA CEIBA (La Guadalupe)

CODE	DESCRIPTION	U/M	COST	QTY	OBSERVATION
40004900	Manguera de Alta Presion 2.3/4" x 25.	ea		1/0	Never have had in inventory 1 short
40003300	Repuestos p/Valvula de 10"	ea	5955.25	1/1	
40003600	Repuestos p/Valvula 8" Ross 50 RWR	ea	6147.25	1/1	
100004200	Valvula Compuerta de acero 4", Junta brida con maneral	ea	2338.45	6/6	
180007800	Anillo de ho. fdo. 20" 2 campanas, junta mecanica	ea	2962.09	3/3	
180028000	Asiento p/Valvula de 4" Apco.	ea	188.45	39/39	
180004700	Cabo de 20" Campana y Espiga	ea	3298.06	3/3	
180007500	Cabo de ho. fdo. de 12" Campana y Espiga	ea	1162.19	9/9	
180003200	Cabo tipo Dresser 42" Brida y Campana 350 psi	ea	7065.20	6/6	
180003100	Cabo Tipo Dresser 48" Brida y Campana 350 psi	ea	8559.80	6/6	
180003300	Codo de ho. fdo. 20" x 90 2 Campanas JM	ea	4368.03	4/4	
180009000	Codo de ho. fdo 20" x 45 2 Campanas JM	ea	3491.62	2/2	
180028100	Flotador p/Valvula 4" de aire Apco	ea	1248.45	40/40	
180000300	Hidrantes de ho. fdo. 6 pies.	ea	2427.50	40/9	mixed with BID 38 total
180008100	Reductor ho. fdo 20" x 18 2 Campanas JM.	ea	4779.22	2/2	

180004800	Reductor ho. fdo. 20" x 18" Junta Brida	ea	6114.07	4/4	
180041000	Set de Repuesto Valvula 20" Apco 250.125 Regulator	ea	55888.90	1/1	Kardex says value 45875
180041500	Set Repuestos Valvula 10" Apco 300.400 Regulacion	ea	19000.00	1/1	
180043000	Set Repuestos Valvula 10" Golden Anderson 370 PSI	ea	30166.65	1/1	
180041200	Set Repuestos Valvula 12" Check Shuing 250.125.Precio	ea	27166.65	1/1	
180041400	Set Repuestos Valvula 14" MCAAPCO 300.400 Regulador	ea	38111.10	1/1	
180041100	Set Repuestos Valvula 16" Check Shuing 250.125. Precio	ea	41888.90	1/1	
180041300	Set Repuestos Valvula 3" Check Shuing 250.125	ea	13444.45	1/1	
180041600	Set Repuestos Valvula 8" Check Shuing Regulador	ea	13444.45	1/1	
180042600	Set Repuestos Valvula 8"	ea	14416.65 Kardex price 28689.00	1/1	
180005000	Tee ho. fdo. 20" x 20" Junta Brida	ea	8755.16	3/3	
180023600	Tee ho. fdo de 14" Junta Brida	ea	3760.72	4/4	
180024000	Tee ho. fdo. de 20" x 2" Campana Brida Lateral	ea	10324.30	3/3	
180023500	Tee ho. fdo. 20" 3 campanas jm.	ea	6547.65	4/4	
180023800	Tee Reductora ho. fdo. 12" x 10", 2 campanas Brida L.	ea	1723.42	6/6	
180036400	Union Dresser 2 Piezas Derivacion 12' x 12' 425" x 12" valvula	ea	4696.05	6/6	
180014800	Union Dresser ho. fdo 48"	ea	2280.65	6/6	

180037500	Union Dresser ho. fdo. Reductora de 10" x 12" 11.88x945	ea	1818.15	5/5	
180018800	Union Dresser ho. fdo. 301-000 RC 400 3200 x 3000 3,350 psi	ea	2394.10	4/4	
180036300	Union Dresser ho. fdo. con transicion 10" x 12" 12.50 x 11.40	ea	1018.50	5/5	
180018200	Union Dresser ho. fdo. 300-000 400-4200-3 1/2 x 7 42" 350psi	ea	5732 45	8/6	minus-2
180018000	Union Dresser ho. fdo con 301-000 RC 400 5080x4800 3350 psi 48" x 11.80	ea	6585.30	4/5	plus 1
180023100	Valvula Sheck swing ho. fdo. de 16" Brida C.250 A.P.	ea	27465.20	1/1	
180019600	Valvula de Disco ho.fdo. 24" Sheck 125 pai UB	ea	68252.35	1/1	
180019700	Valvula de Disco ho.fdo. 30" Sheck 125 psi UB	ea	113167.60	1/1	
180002200	Valvula ho. fdo. 14" 2 campanas JM c/Dado Operador	ea	7867.03	1/1	
18002400	Valvula ho. fdo.20" JB con Dado op.	ea	20604.63	4/4	
180020000	Valvula ho. fdo 6" aliviadora de presion 250 psi UB	ea	10581.85	1/1	
180032900	Valvula ho. fdo. reguladora de presion 12" Muesco 115-2	ea	17475.55	2/2	
180032700	Valvula ho. fdo. Reguladora de presion 8" Muesco 115-2	ea	8620.70	4/4	
180034000	Valvula ho.fdo. Reguladora de Presion 8" Muesco 115-250	ea	8761.90	5/5	

180034100	Valvula ho. fdo. Reguladora Presion 10" Muesco 115-250	ea	11402.50	5/5	
180033000	Valvula ho.fdo. Reguladora Presion 16" Muesco 115-2	ea	34173.00	2/2	
180024800	Valvula ho.fdo. 8" Aliviadora de Presion 250 psi UB	ea	16070.10	1/1	
180002100	Valvula ho. fdo. 14" JB con Dado Operador.	ea	7259.73	2/2	
180034200	Valvula ho.fdo. reguladora de Presion 12" Muesco 115-250	ea	18370.65	3/3	
180033600	Valvula ho. fdo. Reguladora de Presion 12" Muesco 115-125	ea	16769.80	3/3	
180032800	Valvula ho. fdo. Reguladora de Presion 10" Muesco 115-2	ea	11271.65	2/2	
180045800	Valvula Mariposa ho. fdo. 10" JB con Acuador Electrico F504	ea	11305.90	4/2	Del. 2
180045900	Valvula Mariposa ho.fdo.12"JB con Acuador Electrico F504	ea	12039.20	5/1	Del. 4
180046000	Valvula Mariposa ho. fdo. 14" JB Actuador Electroco F 504	ea	14785.50	2/1	Del. 1
180046400	Valvula Mariposa Ho. fdo. 30" Actuador Electrico F 473	ea	69258.65	2/1	only received 1
180046100	Valvula Mariposa ho. fdo.18"JB con Actuador Electrico F504	ea	22729.35	2/1	only received 1
180045400	Valvula Purgadora de Aire 8"JB Apco Fig. 1108.02	ea	10016.65	10/5	-5
180045700	Valvula Purgadora de Aire ho. fdo. 8" Apco F151C	ea	5840.00	10/5	-5
180021300	Valvula Sheck de Disco ho. fdo. 12" 125 Brida 10/26/90	ea	15537.90	1/0	Del.

WAREHOUSE # 4

SELECTIVE INVENTORY AID DONATIONS # 279

CODE	DESCRIPTION	U/M	COST	AMT/OH	OBSERVATION
10029700	Balero #7223BGM 200290	ea	1,774.87	10/10	
10004300	Balero #6311-22 200209	ea	80.73	8/8	
10028300	Balero #7211 BGM 200290	ea	141.36	11/11	
10028600	Balero #7226 BGM 200290	ea	1,433.08	0/1	Inventory 0 1 on hand
10030900	Filtro de Aceite #51870	ea	277.00	277/278	Diff. 1
5003100	Arrancador de 200 HP Clockner Mueller 3 PH230/463	ea	29,355.30	4/2	Diff. 2
50014700 50011500 50011700	Arrancador de 200 HP 230/460 Selectric	ea	20,306.48 20,306.48 20,306.48	1/1 1/1 1/1	There is 1 extra not in inventory
50018400	Arrancadores de 200 HP MCA Klockner Miller 480/240 140291	ea	42,609.10	2/2	
50010900	Altotransformador de 1750 HP 4160 10690	ea	58,085.05	1/1	
50010800	Altotransformador de 900 HP 4160 10590	ea	35,467.15	1/1	
50019000	Compresores Portat. MCA Sullair Mod. 175.Q	ea	45,945.10	1/	Del. 10/16/90
50018800	Maquina Perferadora de 500 KVA MCA Magna Max 277/480V 1,800 RPM 81190	ea	217,350.00	3/0	Del. 11/26/90 NO ES Perforador ES GENERADORA
50017900	Medidor de Flujo Prog. MCA Polysonics Mod.IF-P 118/230 40990	ea	18,549.25	1/0	Del.9/19/90
50003600	Motor Elec. 30 HP, US 230/460 V #R433-3092 C/Tope	ea	10,648.17	1/0	Del 3/28/89

50008400	Motor Elec, 125 HP MCA US 460 V, 1770 RPM #9984-R03P357R	ea	18,115.00	1/0	Del 3/23/90
50008500	Motor Elec 60 HP MCA US 380V, 2980 RPM R11-R13 90071 GT, 30389	ea	11,831.15	1/1	
50010000	Motor Elec 100 HP #R03R 1390140R-1 200290	ea	16,330.15	1/1	Code on card 500100100
50004701	Motor Elec 200 HP #6349502R256R137-14 280990 and 200290	ea	29,255.00	1/0	Del 2/4/90
50011600	Motor Elec 200 HP 460 V 1775 RPM 51090	ea	29,506.48	1/0	del 8/20/90 cost on card 39,618.16
50010101	Motor Elec 250 HP #501153260101GT 280290 200290	ea	39,999.10	2/1	del 1 3/4/90
50010100	Motor Elec 250 HP #51153210050GT	ea	39,999.10	1/0	del 12/7/90
50010102	Motor Elec 250 HP #5115321005OGT	ea	39,999.10	2/1	del 1 3/4/90
50013800	Motor Elec 40 HP 230/460V 5305 RPM N, F404-501 R320R	ea	12,548.12	1/0	del 6/12/90
50009602	Motor Elec 50 HP #6230 5035097R041R-5 260390 200290	ea	9,556.00	1/0	del 3/26/90 # is 6232 not 6230
50009601	Motor Elec 50 HP #6230-S06R333R091R-3 271290 200290	ea	10,958.37	1/0	del 6/26/91
50009600	Motor Elec 50 HP #6230-S07R333R080R-8 260691 200293	ea	10 958.37	1/0	del 12/27/90
50004901	Motor Sumergible 150 HP MCA, Franklin 460 V 3525 RPM #110020 200290	ea	13,524.12	1/1	
50008604	Planta Generadora Lincoln Completa Serie 1142842 200290	ea	32,750.00	1/1	

50008509	Planta Generadora Lincoln Completa Serie 1142843 200090	ea	32,750.00	1/1	
50008600	Planta Generadora Lincoln Completa Serie 1142844 130592 200290	ea	32,750.00	1/1	
50008606	Planta Generadora Lincoln Completa Serie 1142848 200290	ea	32,750.00	1/1	
50008611	Planta Generadora Lincoln Completa Serie 1142849 200293	ea	32,750.00	1/1	
50008607	Planta Generadora Lincoln Completa Serie 1142851 200290	ea	32,750.00	1/1	
50008613	Planta Generadora Lincoln Completa Serie 1142856 200290	ea	32,750.00	0/1	unable to deliver
50008608	Planta Generadora Lincoln Completa Serie 1142855 200290	ea	32,750.00	1/1	
50008612	Planta Generadora Lincoln Completa Serie 1142852 200290	ea	32,750.00	1/1	
50012100	Planta Generadora, Caterpillar SR-4, 681-KVA 545-KW480	ea	399,239.75	1/0	Correct price 399.280.30 Del. 5/13/92
50016000	Planta Generadora Caterpillar SR-4 800 kva 540 kw4160	ea	439,820.45	1/0	Del. 2/10/92 a CEL
50016500	Planta Generadora Caterpillar SR-4 1563 kva 1250 kw	ea	629,943.45	1/0	Del. 2/10/92 a CEL
50016400	Planta Generadora Caterpillar SR-4 1600kva 1280 kw	ea	650,441.70	1/0	Del. 2/10/92 a CEL
50016600	Planta Generadora Caterpillar SR-4 2188 kva 1750 kw	ea	945,551.05	1/0	Del 2/10/92 a CEL

50015800	Planta Generadora Caterpillar SR-4 281 kva 225 kw	ea	164,860.95	1/0	Del 5/13/92 a almacen V
50015600	Planta Generadora Caterpillar SR-4 438 kva 350 kwa 480 v	ea	216,517.40	2/0	Del 4/10/92 a almacen V 1 unidadad
50016200	Switch de Transferencia automatico p/generator Enerco N12531	ea	132,715.82	5/0	Transferido a CEL
170090500	Autotransformador 200 HP 480 V	ea	4,302.30	3/3	
170100700	Bomba Cisterna Acoplada c/materiales. #90-20026 150291	ea	22,460.35	1/1	
170101700	Bomba Cisterna Acoplada #90-20036 150291	ea	38,231.00	1/1	
170101600	Bomba Cisterna Acoplada #90-20037 150291	ea	21,095.10	2/1	1 short
170101200	Bomba Cisterna Acoplada Compuesta Materiales #90-20029 150291	ea	35,448.70	2/2	Correct Code 90-20032-33
170101100	Bomba Cisterna Acoplada Compuesta Materiales #90-20030 121191	ea	33,464.80	1/1	
170083502	Cabezal C/4 Nipples y eje Floway #89-01629	ea	26,629.96	1/1	Cabezal es un componente, Son bomba
170083702	Cabezal C/Brida de 10 c/niple y eje Floway NC 89-01631	ea	38,231.00	1/1	Cisternas completas.
170071003	Cabezal C/Brida de ent. c/niple y eje Floway #89-01637 230191	ea	14,240.50	1/0	Bomba de cisterna completa Del. 01/23/91
170086000	Cabezal C/Brida de 10 C/niple y EJE Floway	ea	35,302.10	1/0	Del 8/7/91 Bomba completa

170084500	Cabezal C/Brida entrada de 10" c/niple y eje Floway 89-01 51090	ea	35,402.10	2/1	Just 1 in stock. Bomba de Cisterna Completa
170083200	Cabezal C/Brida entrada de 3" c/niple y eje Floway	ea	18,004.90	1/0	Del. 4/6/91 Bomba de Sisterna Completa
170099300	Cabezal Floway P/Brida de 3" #90-20024 150291	ea	7,090.70	1/1	
170021600	Cajas de succion c/bushing Arenero MDC 3 140 KM	ea	1,947.44	0/1	inv. 0 1 in stock
170020800	Cajas de succion c/bushing Arenero MOC 103 KM	ea	1,226.17	0/2	inv. 0 2 in stock
170019600	Cajas de succion c/bushing Arenero MOC 8 JKL 240789	ea	772.80	1/1	
170008400	Eje de 1" x 10' c/manguito de 1.3/16 131291	ea	406.89	3/3	
170006700	Eje de 1.11/16 x 10' c/manguito	ea	530.66	16/0	could not locate card or stock
170010100	Eje Inoxidable de 1.15/16"	ea	180.60	1/1	Is only 2.5'
170097500	Eje terminal de 1" x 21.3/4". 51090	ea	659.01	3/3	
170097000	Eje terminal de 1 3/16 x 33 y cura	ea	537.07	0/1	1 in stock Inv.says 0
170080600	Empaque p/diafragma Bomba Acme	ea	7.97	4/4	
170081400	Impulsor para bomba Acme	ea	79.44	5/5	Inadequate specs-(iron)
170012100	Niple de 8' con flange 100990	ea	289.26	1/1	

170011000	Portacojinete de 5" x 1 3/16" 200290	ea	252.91	1/1	price on card says 362.02
170015700	Tazon Intermedio 10 EP p/bomba	ea	9,515.97	10/10	
170015800	Tazon intermedio 14-R P/Bomba de Mano	ea	4,878.95	3/3	
170015400	Turbina a 10" x 7 etapas tipo 14 km	ea	6,769.85	1/1	
170024600	Turbina de 4 x 7 etapas Demster, mod. 6BCH-75 # 9112942	ea	25,000.00	1/0	del. 3/3/92 NOT AID
170102200	Turbina de 4" x 13 etapas, Mod. 6TS-40-150 S-306374-T s/colador	ea	8,795.25	1/0	del 5/31/91
170092000	Turbina de 4" x 8 etapas mod. 8-ralc con colador 31090	ea	8,179.40	1/0	no hay stock ni kardex
170033600	Turbina de 4 x 8 etapas c/colador mod 6LKM 80/994	ea	6,304.71	0/1	inv 0 1 in stock
170091300	Turbina de 5" x 10 etapas mod. 6CHC c/ colador	ea	6,659.61	1/1	
170099700	Turbina de 6" x 12 etapas mod. BJKH #90-20025 150291	ea	12,416.00	1/0	del. 3/4/91
170015500	Turbina de 8" x 19 etapas. tipo 10FKH 120790	ea	11,143.84	2/2	
170014200	Varilla Galv 7/16 x 21 pies 250792	ea	54.45	88/88	
360030900	Varilla Galv 7/16 x 21 pies 250792	ea	54.45	95/95	

There are two cards with identical articles, 170014200 bal. 88
360030900 bal. 95

TOTAL 184

There are actually 189 in stock .

170084000	Voltmetro Clockner Mueller	ea	6,809.40	1/0	Delivered No record No Voltimetro arrancador Never had Item
210002300	Barra de bronce de 2 2/3" x 3 1/2" 180592 200290	ea	189.57	3/3	
210002700	Barra de bronce de 3" x 5" 170292 200290	ea	622.45	3/3	
210003700	Electrodo de 1/16" BLUPZS	libra	56.75	10/10	

WAREHOUSE #4 EL CORO

SELECTIVE INVENTORY AID DONATIONS #320 ANDA

CODE	DESCRIPTION	UM	COST	INV/OH	OBSERVACION
220030600	Alto Parlante #19C-32030257 320692	ea	304.64	10/7	3 del 7/1/92
220032200	Amplificador de de potencia #190-424895-G32 230692	ea	8392.00	2/1	1 del 8/14/92
220018700	Antena para radio Movil con accesorios #08-705 20392	ea	328.32	15/15	
220073700	Bataria Recargble 7.5V 1200 MAH MCA GE #19A70486P7 110692	ea	755.16	10/0	10 del 6/22-25/92
220073600	Bateria recargable de 10-V 400-MAH R 7315 MCA Alexander 110692	ea	1575.28	3/0	3 del 6/25/92
220010200	Baterias recargable para radio comunicacion MCA Alexander 10 111291	ea	970.00	5/0	3 del 11/12/91
220035500	Bobina #190-520141G30 230602	ea	19.20	5/5	
220057400	Bobina #50-194 230692 230602	ea	22.00	15/15	
220044200	Bobina de RF #194-700000P8 230602	ea	38.88	7/10	3 in excess
220045700	Bobina de RF #194-301196P2 230692	ea	32.00	7/7	
220018400	Bobina para RF #19A701237P1 23092	ea	38.24	7/7	
220032400	Bobina #19A-130443PS 230692	ea	56.32	13/10	3 in excess
220061800	Bobina #542-45-3-100 110602	ea	42.95	10/10	

220026100	Bobina N K19-2 LAD 001062 230602	ea	42.64	5/5	
220020000	Cable Coaxial LDF6-50 130392	ft	75.68	1000/?	unmeasured difficult to measure
220064600	Cable de almentacion #23-4144-410 110642	ea	117.25	30/15	15 del 6/2/92
220030100	Cable para microfono #190-32101601 230692	ea	342.72	10/10	
220022400	Cable para programar radio #19B800891 P3 210592	ea	1144.00	1/1	
220046400	Cable para sistema Delta #TQ-2358 230692	ea	1089.12	1/1	
220047600	Capacitor #5496520P21 230692	ea	108.88	20/20	Had code of 05493132-P17 uncertain
220063200	Capacitor variable de 2.5 PFA-100V #274-009-005 110692	ea	47.99	10/10	
220018100	Circuitos flexibles #A3WL0883 20392 20392	ea	137.76	5/5	
220027400	Circuitos integrados N 19A-707868G2 230692	ea	171.76	10/10	
220046500	Conector #194-234413G13 230692	ea	380.80	1/1	
220019500	Conector tipo "lo" #L46L 20392	ea	1738.64	30/15	only 15 in stock
22001933	Conector tipo "n" #L46N 20392	ea	1047.76	15/15	over 15
220019700	Conector tipo "n" #L46W 20392	ea	1047.76	30/15	15 del 3/6/20
220063400	Conector de antena #023-6005-003 110692	ea	185.79	10/10	
220072000	Conectores p/microfono #721-094-01 110692	ea	334.95	5/5	

220078200	Contactos completos	ea	4059.65	25/25	(8 years) old prog.
220047000	Cristal #198-226962G5 230692	ea	456.96	10/30	uncertain of item
220054600	Cristal de RX (459-350 MHz) 230692	ea	309.76	3/50	
220074200	Cristal Modulo 154-275 MHz #4EG.27.A10 110692	ea	527.80	8/28	
220072600	Cristal TX de 452-3 Mhz #23-10-015 110692	ea	334.95	3/3	
220028800	Cristales #198-219573G3 230602	ea	162.24	10/0	
220049600	Cristales #198-219573G3 230692	ea	342.72	10/20	identical to the above code
220034300	Detectores para medio de sondeo TPO-X1 111291	ea	430.00	6/0	del. 12/91
220003100	Diodo rectificador negativo 250592	ea	113.06	26/26	old inven.
220003000	Diodo rectificador positivo 250592	ea	113.09	26/26	
220046700	Diodo Zenner de silencio #19A-115528-P6 230692	ea	42.64	20/20	
220046600	Efron con programa Delta #TQ-2317 230692	ea	1553.68	1/0	unable to locate.
220028700	Filtro #198-219574G3 230692	ea	342.72	10/10	same as 220049700
220049700	Filtro #198-219574G3 230692	ea	342.72	10/10	same as 220028700
220071500	Filtro de 21.4 MHz IF #27-03-022 110692	ea	548.10	6/6	
220009000	Gobernador completo	ea	5345.84	25/25	Old prog.
220019800	Inversores AC/DC 12V MOD PV 100FC MCA Tripplite	ea	5145.68	3/1	only rec. 2, 1 del. 5/6/92

220019100	Medidor Transmisor p/liquidos MCA Rosemont #1151LT5EOA220MI 20392	ea	12903.36	1/1	
220034000	Modulo de Cristal (450-350 MHz) #PL 19A-130605G4 230692	ea	1066.24	3.3	correct 450-600 MHz
220053500	Modulo de Cristal (452-350 MHz) #PL19A-130605G4 230692	ea	1066.24	3/3	correct 450-800 MHz
220053600	Modulo de Cristal (452-550 MHz) #PL19A-130605G4 230692	ea	1066.24	3/3	correct 452-300 MHz
220053800	Modulo de Cristal (454-050 MHz #PL19A-130605G 230692	ea	1066.24	3/3	correct MHz 454 350
220053200	Modulo de Cristal (454-050 MHz) #PL19A-130605G 230692	ea	1066.24	3/3	correct MHz 454-500
220053700	Modulo de Cristal (454-300 MHz) #PL19A-130605G 230692	ea	1066.24	3/3	correct MHz 454-060
220009900	Pararayos de 24 KV, Substacion 10690	ea	5292.53	5/5	
220009300	Puesta de Tierra Mod T 600-0641 Completa	ea	817.19	14/2	Delivered 12-'90
220051200	Rele R 19B 209492P1 230692	ea	1046.40	10/10	
220019000	Tarjeta Calibradora para Rosemont #PWB-01151-0138-002 20392	ea	1015.44	3/3	
220030100	Tarjeta de Audio y Squelch #190-432679-G2 230692	ea	2272.00	2/2	
220041100	Tarjeta de Transmision y Recepcion #190-901043G1 230692	ea	2370.88	10/10	

220073100	Tarjeta Logica de Funtes de Alimentacion #900-20-529 110692	ea	3093.17	3/3	
220073400	Tarjeta Logica de Inversor #900-21149-1P2 110692	ea	7346.49	3/3	
220030400	Tono de Alerta #19A-130122G1 230692	ea	1088.00	1/1	
220016500	Transformador de 25 KVA MCA Howard 7620/132000Y 220690	ea	3326.66	3/0	Del. 6/22/90 No Kardex
220016501	Transformador de 25 KVA MCA Howard 155041-4889 220690	ea	3326.66	1/0	Del. 6/22/90 No Kardex
220016302	Transformador de 25 KVA MCA Howard 155042-4889 220690	ea	3326.66	1/0	Del. 6/22/90 No Kardex
220016700	Transformador de 333 KW, Howard 1320C/ 2286/0Y 220690	ea	22660.00	2/1	No Kardex
220016701	Transformador de 333 KVA MCA Howard #165030-5189 220690	ea	22660.00	1/1	
220073900	Transmisor de Nivel Analogico PTX161- 15 PSI-30 ft. 10692	ea	9084.25	5/0	Del 6/25/92
220074000	Transmisor de Nivel Analogico PTX161- 15 PSI-38 ft. 10692	ea	9084.25	5/0	Del 6/25/92
220073800	Transmisor de Nivel Analogico PTX161-5PSI 17 ft. 10692	ea	9084.25	5/0	Del 6/25/92

PARTIAL INVENTORY OF AID DONATIONS
#279 AND #320, WAREHOUSE #5

CODE	DESCRIPTION	UM	COST	QTY	OBSERVATIONS
200041700	Laboratorio Portatil de Analysis de Agua Drel 5 Mach	ea	16830.00	1/0	On loan to Hample 7/2/88
200041800	Maquina Perforadora Harris 3-M Tipo M6215AG, 120V 125kW	ea	16830.00	1/1	Is not Perforadora is fotocopiador; In Whse for Repair
200042300	Medidor de Caudal Ultrasonico Aforador con sus componentes	ea	41045.00	1/0	On loan to Hample 7/2/88
200042400	Medidor de P4 Jorgens N.7869185 y 7869323	ea	2478.30	2/0	On loan to Hample 7/2/88
200042500	Medidor Digital de Conductividad Hach N.44600.00	ea	3018.70	1/0	On loan to Hample 7/2/88
200042700	Perforadora de Mano Eijkeikamp N.01-11-04 Para Muestra	ea	8390.95	1/1	
200042800	Planta Generadora Coleman	ea	6600.00	1/1	
200042000	Sistema de Computacion	ea	22779.60	1/0	On loan
200042100	Teouolito de Escale TS-20A	ea	15366.65	1/0	On loan
270020400	Comprador de 2 Rodillos, Maudlin Mod. 1250-A Serie 1290	ea	15577.60	2/0	Sent to Whse. #10
50010600	Autotransformador de 400 HP 4160 120 V-Mod. 554805	ea	24035.57	1/0	Never received.
50017800	Calibrador de Temperatura Doric Mod. 466A-1-L S 911025	ea	9737.85	1/0	On loan to Calderon

5001900	Compresor Portatil Sullair Mod. 1750PQ-JDD S Serie 00499875 Serie 126125	ea	45935.00	2/0		Sent to Whse. #10
50018900	Maquina Generadora de 500 KVA Magna Max Mod. 572RSL2032A-261190	ea	217350.00	3/0		On Loan
50009600	Motor electrico de 50 HP #6230-507R335R080R-8	ea	10958.37	1/0		Never Received
50016100	Planta Generadora Caterpillar Mod. SR-4, 581 KVA 545 kw 480v	ea	399239.75	1/0		On Loan
50015700	Planta Generadora Caterpillar Mod. SR-4, 281 KVA 225 kw 480v	ea	164929.00	1/0		On loan
50015800	Planta Generadora Caterpillar Mod. SR4, 281 kva 225 kwa 480v	ea	164860.95	1/0		On loan
50015500	Planta Generadora Caterpillar Mod. SR-4, 313 kva 250kw 480V	ea	184543.85	1/0		On loan
50015900	Planta Generadora Caterpillar Mod. SR-4, 681 kva 545 kw 480v	ea	399280.30	1/0		On loan
50008610	Planta Generadora Lincoln Mod. 35 0SA-03-152-115-230V	ea	32750.00	1/4	2	On loan.
50006300	Soldador (Generador) Miller Big 40 Serie #JHI-625	ea	34989.64	1/2	2	On loan.
50019500	Taladro Electrico de Banco Delta Modlo B56 N 89671521	ea	10297.50	1/0		On loan
80000100	Maquina Perforadora Mueller Mod. #1	ea	332691.60	1/0		On loan
90030800	Comparadora de 2 Rodillos Maudlin Mod 1250 S 129010-110	ea	43689.95	2/2		Assigned Whse. #10
90016500	Jack Hammers Sullair Mod MRO050, Serie 4188-8895oz.	ea	4610.52	1/0		Assigned Whse. #10

. 90016502	Jack Hammers Sullair Mod MR050, Serie 5888450w	ea	4610.52 1/0	Assigned Whse. #10
90023300	Llaves de Cola	ea	629.26 2/40	Correct Price 541.23
90023501	Set de Herramientas 212 Piezas	ea	13367.55 1/0	Sent to San Mig.
90031200	Tecle Mod. N. 2000 Serie N. 253480 y 25483 Cap. 2000 libras	ea	7926.20 2/2	
90031100	Tecles Modlo. N.32027 Serie N. 2304 y 2286 Cap. 200 libras	ea	9954.15 2/2	On loan
90031400	Teneza Micropes Hidraulica Huskie Mod. EP-410	ea	5633.39 2/1	1 on loan
90331500	Terraja para Caneria de 1 1/2 a 2"	ea	1432.40 3/2	
120002800	Jack Hidrahulico Mega de 2 toneladads.	ea	3552.52 1/0	On loan
200041400	Aparato de Nivelacion Orbis N 85569 Con Tripode Nedo	ea	3707.03 1/1	On loan
200041600	Control de Niveles de Agua Cable Electrico N 010-9 Esmerilad	ea	1049.70 1/1	

ALMACEN #6

PARTIAL INVENTORY OF AID DONATIONS
PROJECTS 320 AND 279

CODE	DESCRIPTION	UM	COST	QTY	OBSERVATIONS
390007400	Manguera Hidraulica 7543001550	ea	66.43	2/2	
390011000	Manguera Hidraulica 1/4" 7552082224	ea	11.24	3/3	
390008500	Manguera Hidraulica 3/4" 7550502870	ea	28.48	1/1	
390009000	Manguera Hidraulica 3/4" 7550512271	ea	280.42	1/1	
390012600	Manguera Hidraulica 3/8" 7553952422	ea	17.24	2/2	
390007300	Manguera Hidraulica 7543001549	ea	85.30	1/1	Correct Price 85.32
390007000	Manguera Hidrauluca 3/8" 7543001581	ea	80.03	4/4	
390015300	Motor Giratorio 7632000049	ea	197.62	1/1	
390034500	O Ring 9722102212	ea	1.61	2/2	
390036400	O Ring 9904103996	ea	3.75	2/2	
390002000	Poles 6718000477	ea	276.76	2/2	
390038000	Selenoide de Arranque 7750000005	ea	58.39	1/1	
390026400	Switch de Presion 9333200327	ea	94.26	1/1	Incorrect Desc. Should say: Ignicion
390015400	Tubo Embalago Para Valvula 792600219	ea	320.04	2/2	Correct price: 390.04 Correct Desc.: Tubo Embrage
390025700	Union Unilateral 9049106961	ea	1002.46	2/2	Correct Desc. Union Universal #253, Kardex says #256

390022500	Valvula de Sistema Hidraulica 796001690	ea	639.90	1/1	
260019000	Balancines Para Motor F799 E5HN-AA 27HZ	ea	51.75	43/48	Inv. & Kardex 43 are 48
260002400	Balero Lateral Corona F700 E7HZ-4121-D	ea	115.61	12/12	
260010800	Barras de Direccion F-700-3304-A	ea	505.95	4/4	
260017900	Bomba de Aciete F-700 E5HN-6600-AB	ea	1477.83	4/4	
260018300	Bomba de Agua F-700 E7HZ 8501-A	ea	1428.83	2/2	
260018500	Bomba de Inyeccion F-700 E7HZ 9A543-B	ea	8623.03	6/6	
260016600	Bomba de Inyeccion F-700	ea	6974.36	1/1	
26001100	Bufas Delanteras F-700	ea	1035.00	2/2	
260000500	Cardanes Completos	ea	1569.75	4/4	No hay un kardex
260000400	Ciguenal para Ford F-700 E7HZ-6303-B	ea	2760.00	10/9	Del. 1 9/12/91
260009200	Compresor de Frenos de Aire F-700 E7HT 2875 BB	ea	2760.00	1/0	Del. 7/28/92
260021400	Culata F-700 E7HZ 6049-A	ea	797.18	8/8	1 of heads rusted Same as 260004400
260004400	Culata F-700 E7HZ 6049-B	ea	3280.53	4/4	Same as 260021400 No Ident. ticket
260020100	Eje de Levas F-700 E5HN-6250-AB EyHZ-B	ea	1288.00	2/2	No ticket
	E7HZ-4211-C				
	F-700 D0HZ-4605-CM				

260021800	Fricciones 4xJGO F-700	ea	9438.31	2/0	Del. 6/1/92 & 1990
260012500	Maza de Direccion F-700 E7HZ-3504-B	ea	416.50	2/1	del. 7/28/92
260007200	Pinion Y Corona F700-E7HZ-4209-AK	ea	2346.00	4/4	
260013600	Radiador F-700 F-700 E7HZ-8005-G	ea	1590.00	1/1	
260005300	Rin para Ford F-700 CAT2-1007-F	ea	516.00	3/3	
260012700	Tambor Delantero F-700 E4HZ-1109-C	ea	1035.00	4/4	No ticket
260016400	Tanque p/combustible	ea	1385.75	1/1	tanque mis-spelled in description
260021000	Turbo Cargador F-700 E7HZ 6K682-C	ea	2219.50	1/1	
270006200	Casquete de Compresor	ea	282.90	1/1	
270015800	Cheque para Compresor	ea	204.57	1/1	No Price Hard to Determine
270002800	O-Ring AR	ea	975.50	1/0	Unable to locate.
270017000	Resorte para Valvula de Aire	ea	275.08	1/1	No ticket
270017200	Sello para Botella de Sistema Hidraulico	ea	815.40	1/1	No ticket
270003400	Valvula de Descargue de Aire	ea	205.77	1/0	Kardex price 144.10 Could not locate
280004600	Ciguenal con Casquetes E3TZ-6303-A F-250	ea	3547.08	3/3	Cannot read ticket
280004400	Culatas Completas E4TZ-6049-E	ea	2819.60	2/2	Same Desc. as 280004500 Culata

280004500	Culatas Completas F-250 E4TZ-6049-E	ea	4603.53	2/2	Same Desc. as 28004400 Same Culata Price Diff. No ticket
290005600	Bomba de Aceite Detroit Plantas	ea	488.35	3/3	No ticket
290005500	Bomba de Aceite Detroit Plantas	ea	488.35	8/8	Same as 290005600 2 Kardex No ticket
290007000	Bower Detroit Plantas	ea	6710.97	14/14	
290008000	Culatas 4 Cil. 5102769	ea	2641.40	2/2	No ticket
290008100	Culatas 6 Cil. 5102770	ea	4495.05	2/2	No ticket
290007300	Culatas Detroit Plantas	ea	3462.46	9/9	
290006200	Valvula de Escape Detroit Plantas	ea	39.90	234/221	Delivery 9/10/92
300001800	Disco de Frenos A5293	ea	375.33	2/2	
300004100	Flotador de Tanque D141357	ea	118.61	4/4	
300009900	Orometro N. 13543 Case	ea	381.52	2/2	
300003100	Selenoide para Bomba de Inyeccion J 904630	ea	252.54	2/2	
300011300	Tubo para Aceite D139623 CD137295	ea	100.20	2/6	3 codes 3 cards same item
310000200	Balero 6219ZX Koyo	ea	177.10	10/10	
330002100	Engranaje de Rotacion 960523	ea	11099.25	1/1	In stock 5 yrs. Rusted
350001300	Empaque para winche	jgo.	1452.40	1/1	
330001900	Motor para Engranaje	ea	1791.75	1/1	
330002200	Tercera Seccion Cilindro	ea	7207.00	1/1	
330002300	Tercera Seccion Extencion	ea	13896.60	1/1	

350001400	Fricciones 12X Juego	jgo.	2510.35	3/3	
350000700	Motor de Arranque	ea	3137.95	2/2	
370004400	Adaptador de Palanca de Velocidades	ea	1225.05	1/1	
370006700	Ciguenal C/Casquetes 7700734921	ea	2296.00	1/1	
370011600	Enfriador de Aceite 8952001846	ea	512.68	1/1	
330011700	Enfriador de Turbo 3953001178	ea	754.60	1/1	
370001500	Housing, Transmicion Jeep Comanche 8983300634	ea	1533.10	1/1	
370020900	Llantas Radiales Nuevas 255/75 R15 Jeep Comanche	ea	955.50	4/1	3 Del. Physically 79 in stock
370021700	Neomatico 15.5x25	ea	700.00	1/1	
370022400	Polea de Ciguenal	ea	595.30	1/1	
370020800	Terminal Eje Delantero 6963500184	ea	307.60	1/1	
370015500	Valvula Selenoide 8983502349	ea	715.50	2/2	
370022900	Vidrio para Puerta Izquierda	ea	800.00	1/1	Kardex price 297.25
390021800	Valvula de Cambio de Transmision 7926000720	ea	412.43	1/1	
390002300	Alza de Eje O Cilindro Inferior 6810001977	ea	449.68	1/1	
390024300	Bomba de aceite 7926001667	ea	322.29	1/1	
390023800	Cartucho Posicion Valvula 7926001793	ea	233.10	1/1	
390002200	Eje de Espiga 6810001976	ea	456.68	1/1	
390002500	Eje Punta de Brazo 6810001992	ea	460.04	2/2	

390042100	Juego O Ring 9999100170	ea	168.54	1/1
390032700	Kit Reparacion 9952100577	ea	306.36	1/1
390033900	Kit Reparacion 9752100667	ea	180.85	2/2

PARTIAL INVENTORY OF DONATIONS OF AID
PROJECTS 279 AND 320, WAREHOUSE #7

CODE	DESCRIPTION	UM	COST	QTY	OBSERVATIONS
10032100	Eje de Cabrestante #PB-2500-215	ea	1018.65	1/1	permanently attached to machine.
40007700	Electrodo #77539	ea	1500.00	1/1	
50000200	Compresor de Aire Sullair Portable Mod. 900/350	ea	323352.62	1/1	Value on Kardex 523352.62
50000900	Frenos Hidraculica de 10 Ton Mod. 12-0332 CPIA	ea	212950.00	1/1	No son Frenos Es Prensa
50000700	Planta Soldadores Miller	ea	15187.57	4/1	3 are assigned to drilling rigs 1 is non-functioning
50000800	Planta Soldadoras Miller 120/240 V JG029166 JGO 29188	ea	34495.45	2/1 1	assigned to Santa Ana
50006300	Soldador (Generador) Miller BIG40 Serie #JHI50-625	ea	34989.64	1/0	Assigned to San Miguel
80000600	Maq. Perforadora de Pozos Tipo de Percusion Buckeye	ea	371[illegible]68.33	3/2	1 in service in field.
80000500	Maquina Perforadora de Pozos Tipo de Percusion Buckeye	ea	401033.12	2/0	2 in service in field.
80000400	Motors Deutz Series 7452480 7452488 7452491 7399678	ea	29224.91	[illegible]/4	
90007200	Arpon Simple para Cable de Linea Central de 2 1/4" x 3 1/4"	ea	2795.00	3/3	
90003300	Barra de Perforacion de 2 Piezas de 5 x 17.5 largo	ea	2362.93	1/1	

90004000	Barras de Perforacion para Maq. Rot 4 1/2 Espresor 7/16	ea	2365.52	105/0	All stored in Guluchapa
90003600	Barras de Perforacion una sola pieza 5 x 20 Junta pin 4 x 5	ea	5168.83	5/5	1-Santa Ana 3-San Miguel 1-Guluchapa
90003400	Barras de Perforar con Junta de 7API Cuadrado de 5x10	ea	3405.00	4/1	Son 6 x 10 3-Guluchapa
90004400	Barras de Peso Idrill Collard para Maq. Rotativa de 20 Largo	ea	16625.00	5/0	In Guluchapa
90004200	Barras Peso de 4 1/2 x 14 para Maq. Buckeye-20W	ea	4161.83	10/7	3 assigned to rigs.
90003800	Barras tipo Estrella Barreno de 16 Junta 5 7 API Cuadrado	ea	7650.00	1/0	Assigned to San Miguel No es Barra Es Broca
90005000	Bomba Arenera de Embolo para Pozos de 8 7 Ext 15 Long	ea	3698.31	2/0	Assigned to rigs.
90005400	Broca Triconica VHI de 9 7/8	ea	18900.00	3/0	2 assigned to rigs. 1-Guluchapa
90006800	Broca tipo Estrella de 14 x 6 Junta Pin 5 API	ea	10290.00	4/1	3 assigned to rigs.
90006500	Brocas Triconicas de 18 Junta pin 6-5/8	ea	12685.65	3/1	2 Guluchapa
90005800	Brocas Triconicas DW7 de 12-1/4	ea	21407.90	2/2	2 separate Kardex cards.
90005300	Brocas Triconicas Varel tipo DE-7 de 6-1/4 p/perforacion	ea	2309.06	9/9	
90005600	Brocas Triconicas para 15 Junta Pin 6-5/8	ea	7062.00	1/1	1 San Miguel
90007800	Cuchillas para Cortacable de 3-3/4 #10025 26 x 27	ea	3771.31	3/3	

90009800	Elevador para Herramienta c/Grillete Rotativo Junta 5 7 API	ea	2944.55	4/0	In Guluchapa
90009900	G Hidraulico #1N022710K21-D	ea	7406.77	1/1	
90010100	Grapas Golpeadoras Completas con su Llave y Pernos	ea	4145.00	4/4	
90010500	Guia Para Herramientas #PN905250K51 para Maq. Buckeye-20W	ea	4937.30	5/3	2 assigned to rigs.
90010700	Herramientas Manuales para Mecanica en Caja Proto Maq. Buckeye	ea	8087.64	5/2	3 assigned to rigs.
90011500	LLave para Acoplar Herramientas de Pesca de 5	ea	2690.00	2/2	
90011400	Llave para Acoplar Herramientas de Pesca Extreno Plano de 4	ea	2046.28	4/0	4 assigned to rigs.
90011300	Llaves para apretar de 3 1/2 (2xjgo) p/maq.	ea	2973.53	5/2	3 assigned to rigs.
90012300	Mandril con Casquillo tipo abierto p/Cable de 1 Junta 4/5	ea	2273.65	4/3	1 assigned to rig.
90011800	Mandril de 4-1/2x5 de largo	ea	1567.45	1/1	
90011900	Mandriles con Casquillo de 4-3/4" para Maq. Buckeye 20W	ea	1712.71	10/7	3 assigned to rigs.
90012700	Pasteca para servicio pesado con capacidad minima de 5 toneladas	ea	4869.66	2/2	
90013000	Pescador de Machuelo Bowen #19488 de 27 Largo Simco.	ea	3072.84	2/2	
90012900	Pescador Magnetico Bowenno 32270 completo de 0 5-1/2	ea	10806.17	2/2	
90013900	Rima de 15 0x5 largo pin de 5	ea	7840.19	1/0	Guluchapa

. 90014000	Rimador de 10 x 5 0 pin de 5	ea	935.80	2/2	Same as 90013900 2 diff codes 2 diff descrip.
90013600	Rimador de 12x5 Junta 3-3/4 2"	ea	6621.36	2/0	Guluchapa
90013400	Rimador de 8 0 x 4	ea	5612.30	1/0	Guluchapa
90013800	Rimadores de 14x5 Junta 3 3/4 Cuadrado de 4" #9753	ea	7840.19	2/0	Guluchapa
90014500	Rines Completos p/entubar de 18 tipo pesado c/reductor	ea	13331.14	2/0	Guluchapa San Mig.
90014600	Rines Completos p/entubar tipo pesado 20 C/R Educ de 18"0	ea	13890.00	2/2	
90015800	Tijera de Pescar Herramientas de 7 Junta 4x5 API	ea	10397.50	2/1	Santa Ana
90016300	Tijera para perforar 5 1/2" 0 junta 2-3/4 Carrera 4 1/2	ea	5245.40	3/1	San Mig.
90015700	Tijera perforadora pin de 5', 7" assigned to rig.	ea	5190.60	1/0	1 short.
120000100	Anillos de frenos 23323701	ea	5325.96	2/2	
120001300	Eje posterior 27601-1	ea	5296.57	1/1	
120001400	Eje ppal 909391K1 (Jack Shaft)	ea	7934.81	2/2	
120002500	Polea de corona 90057K51	ea	4429.08	1/1	
130000300	Cilindro completo de elevador (mast rising cilindro comp.)	ea	11940.39	1/0	no record could not locate
130001300	Eslabon Giratorio (swivel) Failing Modelo S-200 p/conectar	ea	36054.96	1/0	Guluchapa
130001400	Eslabon Giratorio Failing modelo #1050 p/conectar Kelly	ea	16637.17	1/0	Guluchapa

130001500	Vastajo Rotativo con 3 Ranuas seccion circular p/maq. Faili	ea	20926.09	1/0	no record could not loccate
140000800	Banda de frenos del tambor de perforacion #901890K51	ea	5521.19	2/2	
140000900	Biela con casquillo JM2 7 JM3 901705K51	ea	4674.60	1/1	
140001000	Biela #901705x51, Pitman	ea	4688.70	1/1	
140001800	Eje PPAL 216760-02 (Jack Shaft)	ea	11134.63	2/2	
140002400	Embrague completo RBR 1204 GOL	1/1	7722.02	1/1	
140002000	Embrague #37174250 (clotch)	2/2	2453.61	2/2	
90012300	Mandril con Casquillo tipo abierto p/Cable de 1 Junta 4/5	ea	2273.65	4/3	1 assigned to rig.
90011800	Mandril de 4-1/2x5 de largo	ea	1567.45	1/1	
90011900	Mandriles con Casquillo de 4-3/4" para Maq. Buckeye 20W	ea	1712.71	10/7	3 assigned to rigs.
90012700	Pasteca para servicio pesado con capacidad minima de 5 toneladas	ea	4869.66	2/2	
90013000	Pescador de Machuelo Bowen #19488 de 27 Largo Simco.	ea	3072.84	2/2	
90012900	Pescador Magnetico Bowenno 32270 completo de 0 5-1/2	ea	10806.17	2/2	
90013900	Rima de 15 0x5 largo pin de 5	ea	7840.19	1/0	Guluchapa
90014000	Rimador de 10 x 5 0 pin de 5	ea	9935.80	2/2	Same as 90013900 2 diff codes 2 diff descrip.

.90013600	Rimador de 12x5 Junta 3-3/4 2"	ea	6621.36	2/0	Guluchapa
90013400	Rimador de 8 0 x 4	ea	5612.30	1/0	Guluchapa
90013800	Rimadores de 14x5 Junta 3 3/4 Cuadrado de 4" #9753	ea	7840.19	2/0	Guluchapa
90014500	Rines Completos p/entubar de 18 tipo pesado c/reductor	ea	13331.14	2/0	Guluchapa San Mig.
90014600	Rines Completos p/entubar tipo pesado 20 C/R Educ de 18"0	ea	13890.00	2/2	
90015800	Tijera de Pescar Herramientas de 7 Junta 4x5 API	ea	10397.50	2/1	Santa Ana
90016300	Tijera para perforar 5 1/2" 0 junta 2-3/4 Carrera 4 1/2	ea	5245.40	3/1	San Mig.
90015700	Tijera perforar pin de 5", 7' de largo	ea	5190.60	1/0	assigned to rig.
120000100	Anillos de frenos 23323701	ea	5325.96	2/2	
120001300	Eje posterior 27601-1	ea	5296.57	1/1	
120001400	Eje ppal 909391K1 (Jack Shaft)	ea	7934.81	2/2	
120002500	Polea de corona 90057K51	ea	4429.08	1/1	
130000300	Cilindro completo de elevador (mast rising	ea	11940.39	1/0	no record could not cilindro comp.) locate
130001300	Eslabor Giratorio (swivel) Failing Modelo S-200 p/conectar	ea	36054.96	1/0	Guluchapa
130001400	Eslabon Giratorio Failing modelo #1050 p/conectar Kelly	ea	16637.17	1/0	Guluchapa
130001500	Vastajo Rotativo con 3 Ranuas seccion circular p/maq. Faili	ea	20926.09	1/0	no record could not locate
140000800	Banda de frenos del tambor de perforacion #901890K51	ea	5521.19	2/2	

140000900	Biela con casquillo JM2 7 JM3 901705K51	ea	4674.60	1/1	
140001000	Biela #901705x51, Pitman	ea	4688.70	1/1	
140001800	Eje PPAL 216760-02 (Jack Shaft)	ea	11134.63	2/2	
140002400	Embrague completo RBR 1204 GOL	ea	7722.02	1/1	
140002000	Embrague #37174250 (clotch)	ea	2453.61	2/2	
140002500	Ensamblaje de disco y plato #903169 K51	ea	3348.86	1/1	
140003700	Pinon 2331474	ea	22746.63	3/3	
140003600	Pinon #901791K51	ea	8969.58	1/1	
140003400	Polea Solida #901086K51	ea	5160.73	2/2	
150000400	Adaptador de cable 4-1/4 construido con vastago de 5/8	ea	2412.21	1/1	
160000800	Cabezal de motor alisado	ea	2784.25	4/4	
160000700	Bomba de Inyeccion para maq. Buckeye 20W	ea	8107.20	3/2	1 del. 8/28/92 1 arriv. non-func. 1987
160001100	Disco y plato ensamblado para amortiguadores #PN903167K51	ea	3289.80	4/4	
180001200	Ejes de manivela para maq. Buckeye C	ea	5411.30	4/4	
180001500	Ensamblaje de disco y plato amortiguar #PN 9031167-JR436	ea	3291.52	6/6	
160001800	Jgos para mantenimiento de motor Deutz #PN3L912 DMNKT	ea	2918.70	3/3	
170016400	Cabezal de angulo Pecto 300 hp De'Ran #A510013 1760rpm	ea	8678.24	1/1	
170018000	Cabezal de angulo Pecto de 20 hp mca. De'Ran #A 510009	ea	11412.22	1/1	

.170003100	Turbina de 6x11 Etapas T I-LKM	ea	1680.01	1/0	On loan to San Miguel
170003200	Turbine de 5x11 Etapas T12-LKM	ea	2492.72	1/1	Wrong price.

PARTIAL INVENTORY OF AID DONATIONS
320 & 279, SANTA ANA

CODE	DESCRIPTION	U/M	COST	QTY	OBSERVATION
50009200	Maquina Cortadora Homelite Modelo DM 54 Serie HJ2130300	ea	3519.00	1/1	
180000200	Hidrantes de Ho. Fdo. de 5 pies.	ea	2375.00	3/7	four over
180000300	Hidrantes de Ho. Fdo. de 6 pies.	ea	2427.50	5/0	never had more than 2. Del. 5/8/92
180039400	Union Dresser Ho. Fdo. 16"	ea	749.00	12/12	
180022400	Valvula check Ho. Fdo. 6", JB 300 psi	ea	3218.83	1/2	1 over
180022500	Valvula check Ho. Fdo. 8" JB 125 psi	ea	7310.00	0/2	2 over
180040600	Valvula Compuerta Ho. Fdo. 2" JM	ea	437.94	5/2	3 short
180040800	Valvula Compuerta Ho. Fdo. Compuerta 4" JM	ea	772.70	6/1	5 short
240024300	Union Dresser Ho. Fdo. 4"	ea	179.86	8/7	1 on loan 6/23/92

SELECTIVE INVENTORY OF AID DONATIONS 0279 and 0320

SONSONATE

Code	Description	UM	Price	Quant	Commentary
10013200	Filtro Primario de Combustible	ea	399.85	1/0	Del. 8/18/92
50009201	Maquina Cortadora Homelite Mod. DM54 #HJ3120300	ea	3519.00	1/1	
180039800	Adapter Ho. Fdo. 4" Brida y Campana con pernos presioneros	ea	145.80	1/0	Del. 12/5/91
180040800	Valvula Ho. Fdo. Compuerta 4" JM	ea	772.70	1/1	Del. 8/5/92

PARTIAL INVENTORY OF USAID DONATIONS
PROJECTS 0279 AND 0320
SAN MIGUEL

CODE	DESCRIPTION	U/M	COST	ON HAND	DIFFERENCES
50007100	Planta Generadora DMT 15 km 19 kva 220/440 V	ea	32,429.94	1/1	On loan to Los Nacimientos San Miguel
50006900	Planta Generadora Lima 40 KV 50KVA/480 #1719CJA	ea	45,731.91	1/1	On loan to Uluzapan
50006700	Planta Generadora Lima 50 kw 62 SMVA277 480V Diesel	ea	46,178.90	1/1	On loan to Santa Elena
50007000	Planta Generadora Lima 50 kw 55.2 kva #2775430	ea	46.178.90	1/1	On loan to Ozatlan
50006800	Planta Generadora Lima 50 kv .75 kva 227/480V #102878	ea	56,917.44	1/1	At Coro in Being Repaired
50009700	Planta Generadora Lima 40 KW Motor Perkins S/AC101940C	ea		1/1	In taller San Miguel In repair
50014800	Planta Generadora DMT 10 kw 220V #578121	ea	30,629.98	1/1	On loan to Chinamaca
50006600	Planta Generadora MCA 50kva 227/480V #101909	ea	45,731.91	1/1	On loan to San Buenadventura
50006400	Planta Generadora Lima 100 km 125 kwa 27/430v #102295	ea	75,606.07	1/1	On loan to La Paz
50014900	Planta Generadora DMT 40W 15 KW 220v #370123	ea	30,637.43	1/1	In Taller Mecanico
50017700	Planta Generadora Lima 75kv 74kva #AD101998CJA	ea	60,610.45	1/1	Loan to El Molino San Miguel
5006300	Planta Generadora Miller B1340 Serie #JH150-525	ea	34,929.34	1/1	

90029900	Baras de perforacion de 10 standard Simco#P0203	ea	37,734.00	1/1	No es solo barra es una maquina perforadora completa Cambio de costo a 94,335.00 Asignado a La Paz
180008600	Cabo de Ho. Fdo. de 4" Campana y espiga JM	ea	304.68	18/24	AID mixed w/ANDA
180008800	Cabo de Ho. Fdo. de 6" Campana y Espiga JM	ea	400.05	19/15	AID mixed w/ANDA
18006100	Tee de Ho. Fdo. de 8"	ea	629.07	5/15	Over
180037500	Union Dresser Ho. Fdo. Reductora de 12".12"x 1375	ea	365.90	5/5	
180036800	Union Dresser Ho. Fdo. de 8" 3.53x7.22	ea	354.95	10/10	
180040800	Valvula Ho. Fdo de compuerta 4". JM 3 campanas JM	ea	772.70	8/4	Mixed w/ANDA 24 total AID Bal. 4 Del. 4 9/17/92 & 10/17/92
190000800	2-0/U-UXM-J17 Rotamaster #50 #DAY	ea	305.84	2/2	
190000700	2-0/U-UXM-J17 Rotamaster 10 #DAY	ea	305.84	2/2	
190000900	Adapter U-22040		307.25	6/6	
190001400	Cama follower U-23165		372.70	6/6	
190004200	Cover P-48050		246.35	4/6	over
190000200	Hipocloronidor Milton ROY Mod 011-71 series	ea	4,323.10	1/0	del. 1/14/91
190001000	Motor UXE 22666	ea	1,036.20	5/7	Mixed AID w/ANDA
190002200	U26151 PM Kit	ea	351.51	13/13	
190000400	UXD-20947/Day Rotamader Complete	ea	1009.21	3/3	Same as 190000500
190000500	UDX-20947/Day Rotamader Complete	ea	1009.21	3/3	Same as 190000400

ANNEX 7

STATUS OF THE DEVRES REPORT RECOMMENDATIONS

On August 23, 1991, Devres, Inc. submitted their report, "Evaluation of the Commodity Management System of Selected A.I.D. Grants" to USAID. USAID furnished a copy of the relevant recommendations to ANDA for their review, comment and appropriate action in April 1992. In developing our work plan for the inventory verification, AID requested that we note the status of implementation of the Devres' recommendations (designated by ** below).

** Develop procedures for end-use and disposition of commodities to permit adequate tracking of commodities from warehouse dispatch to the final utilization of the commodity as there are no procedures for end-use verification being followed.

OBSERVATION: Procedures do not exist for end-use and disposition nor tracking of commodities from warehouse dispatch to final utilization. There is no end-use verification. Goods are dispatched using a delivery document for which there is no follow up or end-use determination. Many items are carried as stock items but are loaned out and signed for on a document for which there is no follow through. Many large items are still maintained in warehouse inventories even though they are permanently assigned to fixed locations. It is very difficult and time consuming to locate documentation for items delivered or loaned. Documentation of their end-use does not exist.

** Compare commodities against the Kardex and the inventory list during the annual physical inventory. Adjustments, with documents explaining differences, should be written up. Both the Kardex and inventory list should be reconciled at this time. At present, physical inventories are not balanced between the inventory list and the warehouse Kardex.

OBSERVATION: To the best of our knowledge, a complete and accurate inventory has never been taken. The warehouses are never closed for inventory. As all Kardex cards are collected every 6 months by the Corte de Cuentas and new cards produced with only the previous balances, it is impossible to maintain a history of what has occurred. As indicated in our report, there was in excess of a 40% difference between the inventories, the Kardex cards and the Data Processing Inventories. Although there is an excess of personnel, there is poor record keeping and little or no system.

** Prepare comprehensive procedural manuals for receipt, clearance, claims processing and disposition of ANDA commodities. The Management Unit does not have manuals setting out detailed procedures for commodity management.

OBSERVATION: We found no evidence that such manuals exist at ANDA.

** Inspect commodities upon reception in a warehouse within a 48 hour period and have discrepancies communicated to USAID and the supplier immediately. Verification of commodity shipments received in the ANDA warehouses is not carried out in a timely manner.

OBSERVATION: Commodities are not always inspected in a timely manner. It is very difficult for ANDA warehouse personnel to report discrepancies to USAID as most shipping documents and packing slips are received in English. It is unrealistic to expect people, many of whom do not even possess High School Degrees to be able to read English. The identical problem also exists as attempts are made to translate the descriptions. In many instances descriptions are placed on the Kardex and on bins in English, leaving the warehouse personnel with little knowledge of the exact item description.

** Obtain the proper warehouse moving equipment such as forklifts and cranes. The Management Unit should work with ANDA to procure the equipment. At present, ANDA warehouses do not have sufficient moving equipment and this lack of equipment causes improper handling and breakage of commodities.

OBSERVATION: This recommendation has not been implemented. Other than a few cranes which are not reserved exclusively for commodity control use, there is NO handling equipment. The situation as it presently exists makes warehousing cumbersome and in some cases almost impossible.

** Establish warehouses direct access to the central computerized system thereby eliminating duplication of effort. All inventory recording at the warehouses is done manually and then repeated in the central computerized system.

OBSERVATION: A meaningful Data Processing Inventory Central System does not exist. The system or lack of system as it presently stands is completely unacceptable. There are twice the number of persons working in each Warehouse Office than are necessary. The Kardex System, a clear duplication of effort, should be eliminated.