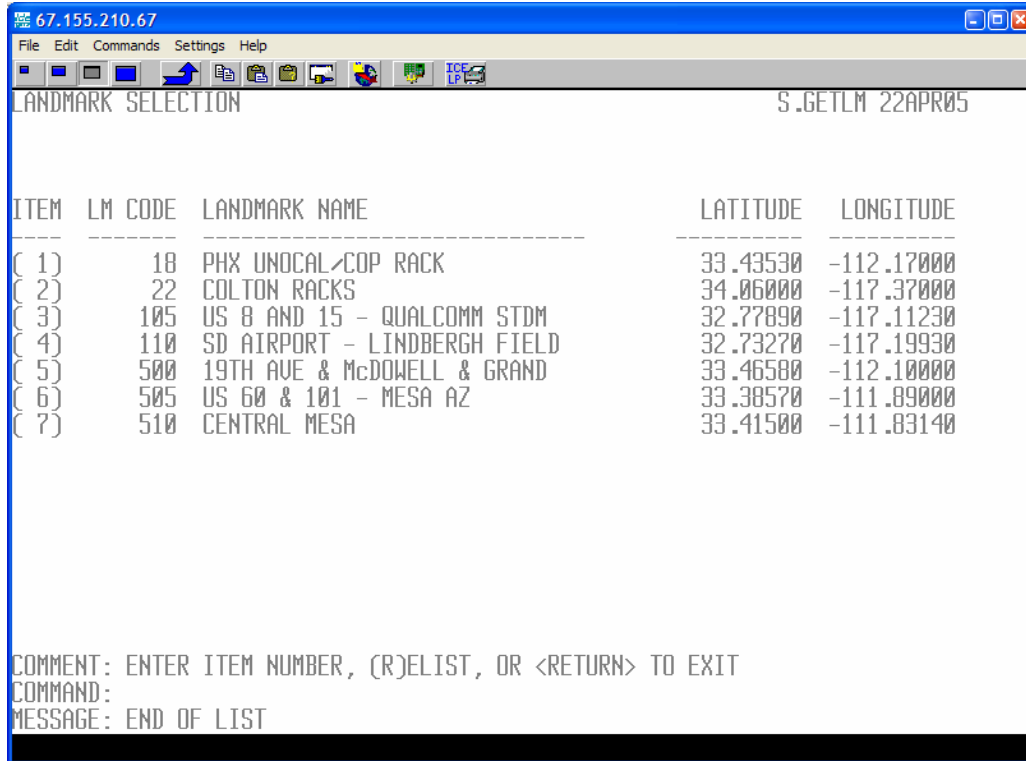


Accounting & Technical Support For Petroleum Marketers!

Landmarks are a supporting file for placing GPS coordinates into some kind of context. This is all part of a larger project to store coordinates in the Customer and Point of Origin files.



```
67.155.210.67
File Edit Commands Settings Help
LANDMARK SELECTION S.GETLM 22APR05

ITEM  LM CODE  LANDMARK NAME                LATITUDE  LONGITUDE
-----
( 1)   18  PHX UNOCAL/COP RACK          33.43530  -112.17000
( 2)   22  COLTON RACKS                 34.06000  -117.37000
( 3)  105  US 8 AND 15 - QUALCOMM STDM  32.77890  -117.11230
( 4)  110  SD AIRPORT - LINDBERGH FIELD  32.73270  -117.19930
( 5)  500  19TH AVE & McDOWELL & GRAND  33.46580  -112.10000
( 6)  505  US 60 & 101 - MESA AZ        33.38570  -111.89000
( 7)  510  CENTRAL MESA                 33.41500  -111.83140

COMMENT: ENTER ITEM NUMBER, (R)ELIST, OR <RETURN> TO EXIT
COMMAND:
MESSAGE: END OF LIST
```

Landmark Maintenance is at 3, 30 98, 18. Codes can be up to six numeric bytes. In the little scheme above, numbers below 100 are for the racks (Points), the 100 range is in the San Diego area, and the 500 series is in the Phoenix area.

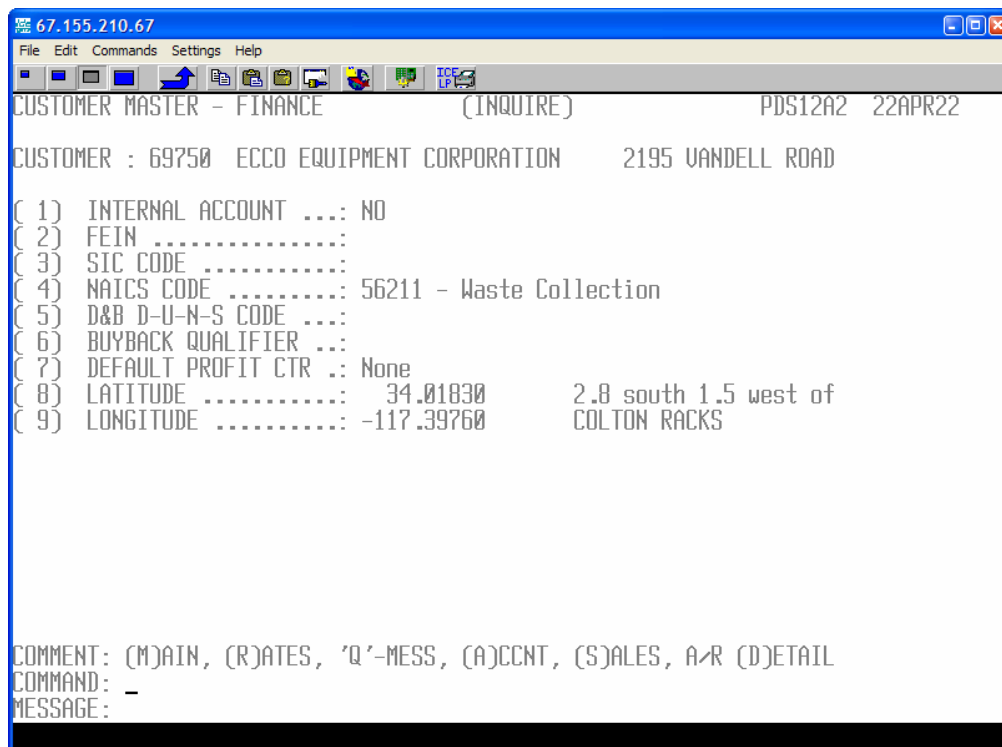
Landmarks should be chosen for their ability to describe locations in ways that staff can grasp easily. These can include bulk plants and racks, freeway intersections, city centers, airports and major city intersections. Use whatever is locally prominent

Software like Microsoft Streets (\$35) is handy for finding coordinates. One turns on the Location Sensor under Tools and a box will always show the Latitude and Longitude of wherever one moves the cursor.

Accounting & Technical Support For Petroleum Marketers!

The purpose of having Landmarks lies in giving feedback to the user when editing latitude and longitude. These numbers are very cryptic, and a single slip of a digit can shift the location in absurd ways. When coordinates are entered, we search for the closest landmark, as the crow flies, and then show, in miles, how far N/S and E/W the coordinates show we are from that nearest landmark,

In the example below an account at 2195 Vandell Rd., in Riverside CA is found to be closest to the landmark COLTON RACKS:



```
67.155.210.67
File Edit Commands Settings Help
CUSTOMER MASTER - FINANCE (INQUIRE) PDS12A2 22APR22
CUSTOMER : 69750 ECCO EQUIPMENT CORPORATION 2195 VANDELL ROAD
( 1) INTERNAL ACCOUNT ...: NO
( 2) FEIN .....:
( 3) SIC CODE .....:
( 4) NAICS CODE .....: 56211 - Waste Collection
( 5) D&B D-U-N-S CODE ...:
( 6) BUYBACK QUALIFIER ...:
( 7) DEFAULT PROFIT CTR ..: None
( 8) LATITUDE .....: 34.01830 2.8 south 1.5 west of
( 9) LONGITUDE .....: -117.39760 COLTON RACKS
COMMENT: (M)AIN, (R)ATES, 'Q'-MESS, (A)CCNT, (S)ALES, A-R (D)ETAIL
COMMAND: -
MESSAGE: -
```

Had the operator entered bad numbers here then one would hope that unexpected feedback, such as this account being far from Colton, or closer to a different landmark would cause a double-check of the numbers.