

ASARCO, INC/ ELPASO PLANT **828 Ft. stack**
2301 W. Paisano dr Double Stack
El Paso , Texas 79922
[915]5411856
Engineering Dept.

Stack consisted of: Stack built in 1966

Excavation 2700 cubic yards
Backfill 650 cubic yards
Foundation 2065 cubic yards
Column 6246 cubic yards
Liner 3007 cubic yards

Reinforcing steel:

857,460 Lin. Ft. or 162 miles
11,318 cubic yards of concrete
846 ton's of reinforcing steel
23,800 ton's concrete

Concrete stack:

Outer Stack out side diameter 31ft.-3 inches upper thickness 9", and bottom 36"
Inner Stack inside diameter 16ft.-0 inches upper thickness 10", and bottom 36"

Foundation Base:

85ft.octagon, 10'-6" thick
Base Line diameter , 62'-6"

Wind load design Load: 100 mile Wind

BASE ELEVATION @ THE 62'-6" EL.3779.00' Above Sea Level
upper Elevation EL.4607.00' Above Sea Level

Globe Grid Coordinates:

Latitude 105° 00'
Longitude 106° 31' 19.89"

ASARCO, INC. EL PASO PLANT

610Ft. Stack

Concrete Stack Built in 1950
Built by Alphons Custodis Const. Co.
25 Broadway, N.Y., 4 N.Y.

Dept. Western Engineering @ Garfield, Utah
Stack Initial built for the D & L Baghouse Ventilation System

Foundation & Excavation: from 10-17-49 to 12-19-1949
Frist Stack Section Poured in 4-05-1950
Last Stack section Poured in 9-21-1950
Stack Completed in 10-31-1950

Foundation Base : 66'-6" Octagon shape, 8ft. thick
Column Base Diameter 46'-0" by 27" thick wall
Top of Stack Diameter 15'-6" by 09" thick wall

Material :

Excavation	2000 cubic yards
Concrete	3295 " "
Reinforcing steel	830,030 Lbs.
Paint kiln seal primer	990 gallons
Labor man hours	27,500 hours

Stack Elevation:

Ground Elevation	3775.00 ft. Above sea Level
Top of Stack Elevation	4381.83 ft. Above sea Level

Globe Grid Coordinates:

NORTH Latitude	31°-47'30"
WEST Longitude	106°-31'-34.60"
Plant Coordinates	East 675 ft., South 2420 ft.