

DIRECTORY
OF
ACTIVE MINES
IN
ARIZONA

(INCLUDES SAND AND GRAVEL PRODUCERS)

ARIZONA DEPARTMENT OF MINERAL RESOURCES

MINERAL BUILDING -- FAIRGROUNDS

PHOENIX, ARIZONA 85007

JOHN H. JETT
DIRECTOR

MARCH, 1976

BOARD OF GOVERNORS

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(TERM EXPIRES JANUARY 31, 1977)

RONALD F. TEISSERE, KINGMAN
(TERM EXPIRES JANUARY 31, 1978)

A. J. PERRY, TUCSON
(TERM EXPIRES JANUARY 31, 1979)

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(TERM EXPIRES JANUARY 31, 1980)

MRS. ANN CHESLEY, GLOBE
(TERM EXPIRES JANUARY 31, 1981)

ACTIVE MINES IN ARIZONA

TABLE OF CONTENTS

<u>COMPANY</u>	<u>COUNTY</u>	<u>PAGE NO.</u>
ASARCO		1, 2
Tucson	Pima	1
Hayden	Gila	1
Mission	Pima	2
San Xavier	Pima	2
Sacaton Unit	Pinal	2
Silver Bell Unit	Pima	2
 The Anaconda Company	 Pima	 3
 Anamax Mining Company	 Pima	 3
Twin Buttes Operations		3
 Andrada Marble Company	 Pima	 3
 Arizona Feldspar Corp.	 Mohave	 4
 Arizona Portland Cement Company	 Pima	 4
 Arizona Silica Sand Company	 Apache	 4
 Buckeye Mica Company	 Maricopa	 4
 Cities Service Company	 Gila	 5
Miami Operations (including Pinto Valley)		5
 Continental Copper, Inc.	 Pinal	 5
Control Mine		5
 Continental Oil Company Minerals Department		5
Florence Project	Pinal	5
 Copper Hill Mine	 Gila	 5
 Cyprus Mines Corporation	 Pima	 6
 Cyprus Bagdad Copper Company	 Yavapai	 6
 Cyprus Bruce Copper and Zinc Company	 Yavapai	 6

TABLE OF CONTENTS (contd.)

<u>COMPANY</u>	<u>COUNTY</u>	<u>PAGE NO.</u>
Cyprus Johnson Copper Company	Cochise	7
Cyprus Pima Mining Company	Pima	7
Denning Mining Company	Pima	7
Antelope Mine		7
Dunbar Stone Company	Yavapai	8
Duval Corporation		8
Tucson Office	Pima	8
Mineral Park Division	Mohave	8
Duval & Duval Sierrita Corp.	Pima	9
Esperanza and Sierrita Properties		9
Filters International Inc.	Pinal	9
Chicago Pit		9
Filtrol Corporation	Apache	9
Cheeto No. 2		9
Flagstaff Cinder Sales, Inc.	Coconino	9
Wildcat Hill Pit		9
The Flintkote Company	Mohave	10
Gilbert Construction Company	Cochise	10
Guzman Construction	Pinal	10
Hecla Mining Company	Pinal	10, 11
Lakeshore Mine		10, 11
Inspiration Consolidated		
Copper Company		11, 12
Mine and plant	Gila	11
Joe Bush mine	Gila	11
Willow Springs mine	Gila	11
Christmas Mine Division	Gila	12
Jaquays Mining Corporation	Gila	12
El Dorado mine		12

TABLE OF CONTENTS (contd.)

<u>COMPANY</u>	<u>COUNTY</u>	<u>PAGE NO.</u>
Kennecott Copper Corporation	Gila	12, 13
Ray Mines Division		12
Smelter & Concentrator-Hayden		12
OP Mine, Vat Leach and Electrowinning-Ray		13
Little Hill Mines, Inc.	Pinal	13
Gold Hill Mine		13
Magma Copper Company	Pinal	13, 14
San Manuel Division		13
Superior Division		14
McFarland-Hullinger	Gila	14
Winkelman Plant		14
Hayden Quarry		14
Tiger Mine Tailings		14
Glove Mine		14
Moore Lime Plant	Gila	15
National Gypsum Company	Pinal	15
Winkelman Gypsum Pit		15
Can-Am Corp. (Paul Lime Div.)	Cochise	15
Peabody Coal Company	Navajo	15, 16
Black Mesa #1		15
Kayenta Mine		16
Phelps Dodge Corporation		16, 17, 18
Western Operations Office	Cochise	16
Douglas Reduction Works	Cochise	16
Copper Queen Branch	Cochise	17
Morenci Branch	Greenlee	17
Metcalf Mine	Greenlee	17
New Cornelia Branch	Pima	17
Safford Branch	Graham	18
Phoenix Cement Company		18
Phoenix Office	Maricopa	18
Clarkdale Plant	Yavapai	18
Pinal-Mammoth Gypsum	Pinal	18

TABLE OF CONTENTS (contd.)

<u>COMPANY</u>	<u>COUNTY</u>	<u>PAGE NO.</u>
Producers Mineral Corporation	Graham	19
Peacock Mine		
Ranchers Exploration and Development Company		19
Bluebird Mine	Gila	19
Sand and Gravel Producers in Arizona		23-28
Santa Fe Cinder Pit	Navajo	19
Darling Cinder Pit		19
Southwest Salt Company	Maricopa	19
Superior Companies		20
Drake Plant	Yavapai	20
Larson Gypsum	Yavapai	20
Winkelman Gypsum	Pinal	20
Wenden Plant	Yuma	20
Superlite Builders Supply	Maricopa	20, 21
Darling Cinder Pit	Coconino	21
Tonto Mining & Milling Co.	Gila	21
Valley Stone Supplies	Yavapai	21
Gordon Wainwright-Contractor	Gila	21
Chililito Mine		21
Black Hills Limestone Quarry		21
Camp Grant Limestone & Silica Quarry		22
O. Brice Willis		22
Harmony No. 1	Greenlee	22
Western States Stone Company	Yavapai	22

ASARCO

TUCSON

1150 N. 7th Avenue, P.O. Box 5795, Tucson, 85703 - Phone 792-3010

Mining Department

Assistant to Vice President. Charles W. Campbell
General Mgr., Western Mining Dept. Robert B. Meen

Mineral Beneficiation Department

Director Donald E. Crowell
Chief Metallurgist Thomas D. Henderson

Southwestern Mining Department

Assistant Manager. Tom E. Scartaccini
Director of Industrial Relations James G. Moore

Southwestern Ore Purchasing Department

Manager. A.J. Kroha
Assistant Manager. James N. Lambe
Administrative Assistant Margie Hinton

Department of Safety & Technical Employment

General Safety Engineer. Art Schaefer

HAYDEN UNIT

Hayden 85235 - Phone 356-7717 - Employees 450
Copper smelter cap. 960,000 TPY - Acid plant cap. 1,000 TPD

Manager. Lary G. Cahill
General Supt. M.A. Sharp
Asst. General Supt. Dave Parker
Plant Engineer L. DiPastena
Purchasing Agent K.C. Newman
Accounting Manager Robert A. Moon

ASARCO (contd.)

MISSION UNIT

Box 11, Sahuarita 85629 - Phone 622-4891 (Tucson) W. Pima Mine Road
OP Mine - Concentrator - Leaching Plant

Manager. Roy S. Herde
Assistant Manager. S.L. Burrill
Mine Supt. William D. Gay
Ch. Engineer G.H. Bloomfield
Ch. Geologist L.J. Jansen
Mech. Supt. C.W. McClain
Purchasing Agent F.P. Hearne

SAN XAVIER UNIT

Copper leach operated by Mission Unit - Precipitation plant

SACATON UNIT

P.O. Box V, Casa Grande 85222 - Phone 836-2171 - Employees 360
3 miles NW of Casa Grande - C.G. Maricopa Road - OP Mine - Concentrator

Manager. Thomas R. Edwards
Superintendent George E. Calahan
Mill Superintendent. Dennis K. Mortensen
Chief Engineer Milton Melcher
Resident Geologist Robert Cummings
Mechanical Supervisor. Jack P. Smith
Chief Accountant C.G. Noland
Purchasing Agent W.B. Manakee

SILVER BELL UNIT

Silver Bell 85270 - Phone 622-6751
OP Mine - Concentrator - Dump leach - Employees 283

Manager. D.R. Jameson
General Supt. W.T. Barlow
Ch. Engineer. R.A. Barnes
Mill Supt. David J. Duncan
Resident Geologist Jim Daley
Purchasing Agent C.R. Henry

THE ANACONDA COMPANY

NATURAL RESOURCES GROUP

I-10 & Kolb Road, P.O. Box 27007, Tucson 85726 - Phone 889-5361

President, Natural Resources Group Dick Knight
President, General Mining Division. Archie McDonell
V.P. Operations Martin Hannifan
V.P. & Chief Geologist. G.A. Barber
V.P. Public Relations C.J. Hansen
Director of Met. Research T.P. McNulty
Personnel Director. Frank Welch
Group Consulting Metallurgist Nathaniel Arbiter
Purchasing Agent. Jack Harvey

ANAMAX MINING COMPANY

TWIN BUTTES OPERATIONS

P.O. Box 127, Sahuarita 85629 - Phone 884-7845 (Tucson)
Green Valley - 625-4414 OP Mine - Concentrator - Employees 1560

President E.J. Eisenach
V.P. & Mgr. Eng. & Planning P.A. Hodges
Chief Counsel C.E. Stott
V.P. & Controller Robert Mielbeck
Manager Process & Product Control Jack Coile
Mine Manager. P.W. Erickson
Manager U.G. Projects Lloyd Pollish
Director of Accounts. Robert Langdon
Supt. Sulphide Concentrator H.A. Astlett
Asst. Chief Mine Engineer Robert Chambers
Director of Scheduling. H.P. Paloutzian
Chief Chemist D.E. Wood
Land Manager. D.F. Kittle
Safety Manager. G.H. Johnson
Chief Geologist J.L. Kelly
Manager Construction. Samye Buckner
Director Industrial Relations H. Ashby
Asst. Supt. Crusher, Conveyor Maint. Don Dunmire
Asst. Supt. Mobile Equipment. John Walker
Dir. Purchasing & Traffic Javier Garay

ANDRADA MARBLE COMPANY

Mailing Address - 639 N. Columbus Blvd., Tucson 85711 - Plant at 4901 E.
Drexel Road - Quarry 6 miles south of Vail - Phone 294-8361 - Employees 12
Products: CaCO₃ for feed additives - roofing material - plaster

President D.C. Hartley
V.P. D.J. Hartley

ARIZONA FELDSPAR CORP.

P.O. Box 229, Kingman - Phone 753-2094 - Taylor mine, foot of Bull Mountain
U.G. - Mill in Kingman - Employees 7 - Product: Feldspar for ceramic and
glass industry in California and foreign markets

Mill Supt. S. Juntunen
Mine Supt. J. Eaton

ARIZONA PORTLAND CEMENT COMPANY

General Delivery, Rillito 85246 - Phone 622-3503
Plant & quarry - Lime-Cement - Employees 253
Annual Capacity 1,300,000 Tons Cement

Plant Manager Frank Thornberry
Plant Supt. Jack L. Stoker
Plant Chemist J. Boyette
Plant Engineer Les Claire
Chief Electrician Jack Meeler
Office Manager Don Morkert
Exploration Geologist Ken Santini
Quarry Foreman Dominic A. Chiaro
Asst. Quarry Foreman Chuck Hansen
Purchasing Agent Paul Cowan

ARIZONA SILICA SAND COMPANY

P.O. Box 108, Houck 86506 - OP Mine - Plant south of Houck - Employees 9
Hydrafrac sand - Oil well fracturing, markets include Texas, Wyoming and
New Mexico

President Del W. Fisher
Vice President Robert Fisher
General Supt. Elmer J. Gilstrap

BUCKEYE MICA COMPANY

P.O. Box 416, 228 Arizona Eastern Street, Buckeye 85326 - Phone 386-4451
Mine west of Buckeye, mill at Buckeye - Employees 6-8
Mica used in paints, roofing - California major market

President R.N. Avery
General Manager H.G. Smith

CITIES SERVICE COMPANY

MIAMI OPERATIONS (including Pinto Valley)

P.O. Box 100, Miami 85539, Phone 425-7611 - Employees 850

General Manager C.T. Brown
Manager of Operations R.P. Hughes
Manager of Administration Gene Nichols
Manager of Employee Relations D.D. Rickabaugh
Manager of Planning J.J. Spencer
Supt. of Operations G.E. Napp
Supt. of Maintenance & Engineering C.E. Chiasson
Supt. of Metallurgy W.A. Gould
Coordinator of Special Projects N.B. Gillespie
Mine Supt. G.L. Steele
Concentrator Supt. W.G. Slack
Maintenance Supt. E.I. Osborn
Leaching Supt. B.M. Frazier
Purchasing Agent R.H. Lacy

CONTINENTAL COPPER, INC.

CONTROL MINE

P.O. Box 662, Oracle 85623 - Phone 791-9841 - T11S R16E S19 - Employees 6
UNDER DEVELOPMENT UG Mine - Concentrator, mine 20 miles south of Oracle

Vice President Mining C.H. Reynolds
General Supt. John G. Roscoe
Ch. Geologist John Fritts
Warehouseman Bill Mitts

CONTINENTAL OIL COMPANY MINERALS DEPARTMENT

FLORENCE PROJECT

P.O. Box 649, Florence 85232 - Phone 868-5852 - Mine at Florence
UNDER DEVELOPMENT

Project Manager A.F. Bissett
Sr. Mining Engineer Frank H. Buchella, Jr.
Project Geologist Phillips W. Nason
Purchasing Agent Norman Nelson

COPPER HILL MINE (formerly Moores Silica)

Box 752, Globe 85501 - Phone 425-7006 - Employees 10
Silica flux for copper smelters

Contractor-Lessee Charles Nichols

CYPRUS MINES CORPORATION

ARIZONA OPERATIONS

2343 E. Broadway, Suite 207, Tucson, 85717 - Phone 624-3245

V.P. & General Manager.W.J. Rundle
Project Engineer.Robert Clayton
Exec. SecretaryMary V. Wood

CYPRUS BAGDAD COPPER COMPANY

55 East Thomas Road, Phoenix 85012 - Phone 263-9407

Sr. Consultant for Arizona OperationsDavid C. Lincoln

Mine at Bagdad

P.O. Box 245, Bagdad 86321 - Phone 633-2241 - Employees 550
OP Mine - Sulphide Conc. - S-X Plant & Electrowinning

General ManagerR.C. Bogart
Asst. Gen. Mgr.M.M. McGee
Metallurgy Mgr.Kenneth C. Apland
Mine Manager.R.J. Bonnis
Solvent Ext. Manager.R.L. Jones
Mill Supt.A.G. Austin
Dir. of ProcurementJohn P. Cain
ComptrollerJ.C. Ryan

CYPRUS BRUCE COPPER & ZINC COMPANY

BRUCE MINE (OLD DICK)

P.O. Box 457, Bagdad 86321 - Phone 623-2236 - T14N R9W S19,20
UG Mine - Concentrator

Resident Manager.Keith E. Dyas
Mine Supt.R.T. Johnson
Mill Supt.C.W. Pilz
Asst. Mine Supt.Steven J. Navin
Engineer Supt.R. Madrid
Mech. ForemanH. Sharff
Purchasing Agent.F.C. Wetlaufer
Mine EngineerGeorge Rudy
Office Manager.G.G. Puumala

CYPRUS JOHNSON COPPER COMPANY

P.O. Drawer "R", Benson 85602 - Phone 586-2241 - Employees 59
Mine and electrowinning plant 5 miles north of Dragoon

Resident Manager J.O. Sierakoski
Mining Engineer. Rogelio L. Caculitan
Mine Supt. John Rolando
Metallurgist William Rudy
Plant Supt. Richard Aros
Buyer. Charley Burleson
Office Manager D.L. Zimmerman

CYPRUS PIMA MINING COMPANY

PIMA MINE

Pima Mine Road, P.O. Box 7187, Tucson 85725 - Phone 792-1200 - Employees 1088
OP Mine - Concentrator - Mine and mill 12 miles south of Tucson

V.P. & General Manager G.A. Komadina
Resident Manager M.D. Martin
Mill Manager J.H. Bassarear
Mine Supt. Alex Jacobs
Chief Engineer Robert Marshall
Chief Geologist. Don R. Williamson
Mill Supt. H.W. Sorstokke
Chief Metallurgist P. Valles
Electrical Supt. Charlie Craven
Mechanical Supt. Harold Lockyear
Research Director. R.O. Huch
Purchasing Agent Roy Duffy
Director of Industrial Relations R.J. Calderwood
Metallurgist Jack Hill
Safety Engineer. George Schuler
Treasurer. Don Tremper
Resident Comptroller Lorne Martin
Agronomist Ken Ludeke

DENNING MINING COMPANY

ANTELOPE MINE

Why 85321 - Phone 387-6240 - Employees 3 - OP Mine - Silica flux for
copper smelters

Owner-Operator Virgil Denning

DUNBAR STONE COMPANY

P.O. Box 246, 716 Lewis, Ashfork 86320 - Phone 637-2592
Plant at Ashfork - Employees 25 - Flagstone, sand & gravel, Redimix
Decorative flagstone sold in and out of state

President G.E. Dunbar
Vice President Warren B. Dunbar

DUVAL CORPORATION

TUCSON OFFICE

4715 E. Ft. Lowell Road, Tucson 85712 - Phone 327-5941 - Employees 112

President & Chief Exec. Officer G.E. Atwood
Exec. V.P. - Houston D.J. Bourne
Sr. V.P. - Operations A.E. Smith
V.P. - Production T.H. Pate, Jr.
Sr. V.P. - Planning R.A. Hardy
V.P. - Special Projects D.E. Cochran
Gen. Mgr. - Exploration J.I. Sharpe
V.P. - Development E.D. Bowman, Jr.
V.P. - Minerals Acquisition B.G. Messer
Mineral Acquisition Representative R.F. Teissere
Dir. of Industrial Relations M.H. Campbell
Asst. Dir. of Industrial Relations S.L. Vaughn
Manager - Process Technology R.W. Livingston
Manager - Mine Planning T. Jancic
Manager - Mining Methods J.F. Shahan
Manager - Maintenance Methods W.H. Long
Manager - Electrical Engineering A.T. Jones
Manager of Materials G.R. Kemp
Dir. of Health & Safety Al Daniels
General Manager S.H. Martin
Public Relations Representative D.W. Lynch

MINERAL PARK DIVISION

P.O. Box 1271, Kingman 86401 - Phone 565-2226 - Employees 379
7 miles north of Kingman - OP Mine - Conc. leach plant

Resident Manager W.J. Roper
Mine Supt. K.K. Kelley
Mill Supt. R. McLean
Mine Engineer G.P. Boone
Plant Maintenance Supt. M.R. Miller
Purchasing Agent G.F. Cummins

DUVAL AND DUVAL SIERRITA CORPORATION

ESPERANZA AND SIERRITA PROPERTIES

P.O. Box 125, Sahuarita 85629 - Phone 884-7830 - Employees 2089
32 miles south of Tucson - OP Mines - Concentrator

General Manager. H.L. Shively
Manager Mining K.L. Lamb
Manager Milling. C.G. Janes
Manager Plant Maintenance. A.E. Shiell
Mine Production Supt. L.G. Dykers
Mine Engineering Supt. W.H. Dunkel
Mine Maintenance Supt. R.J. Arnold
Concentrator Supt. - Sierrita. R.L. Bevers
Mill Supt. - Esperanza W.T. Fisher
Mine Engineer. C.D. Iles
Administrative Asst. J.K. Peters
Purchasing Agent J.L. Dempsey
Industrial Relations Supt. J.W. Fortson
Metallurgical Supt. L.M. Johnson, Jr.

FILTERS INTERNATIONAL INC.

CHICAGO PIT (Old Cluff)

Box Z, Superior 85273 - Phone 689-5631 - Employees 6-8
Plant at Superior - OP mine 2 miles southwest of Superior
Perlite - Major market in California and Texas - Construction industry

General Manager. Lewis Williams

FILTROL CORPORATION

CHEETO NO. 2

Sanders 86512
OP Mine - 2 miles east of Sanders - Employees 14
Filtering industry. Shipped to Utah and Mississippi. Main use is filter
industry. Some used in agriculture and shipped overseas.

General Supt. Alden Jack

FLAGSTAFF CINDER SALES, INC.

WILDCAT HILL PIT

P.O. Box 2796, 4400 Nyla, Flagstaff 86001 - Phone - 526-0801 - 5 miles
northeast of Flagstaff - Employees 13 - Aggregate landscaping industry

Manager. Ron Olivier

THE FLINTKOTE COMPANY

U.S. LIME DIVISION - Nelson Quarries & Plant

P.O. Box 197, Peach Springs 86434 - Phone 422-3216 (Seligman)
800 TPD capacity - Lime for processing and building industry,
marketed in Arizona, California & other states - Employees 32
Most goes to Copper industry.

Manager William E. Collins
Superintendent James Osborne
Office Administrator Phillip Bravo

8544 East Turney Drive - Scottsdale 85251 - Phone 947-4895
District Sales Representative James Roughan

GILBERT CONSTRUCTION COMPANY

204 East Vista, Warren & P.O. Box 5288, Bisbee 85603 - Phone 432-2078
Quarry 3 miles east of Paul Spur - Employees 17
Silica flux 600 TPD for copper smelter

President A.J. Gilbert, Jr.
Vice President A.J. Gilbert, III
Mining Supt. Dan Keiler
Mech. Supt. W. Whisman

GUZMAN CONSTRUCTION

P.O. Box 7, Superior 85273 - Phone 689-5632 - Employees 3-5
Plant at Superior - OP mine 2 miles west of Superior
Perlite - Purchases perlite from Filters International, Inc.

President Mike Guzman, Jr.

HECLA MINING COMPANY

LAKESHORE MINE

P.O. Box 493, Casa Grande 85222 - Phone 836-2141 - Employees 1150
30 miles south of Casa Grande - UG Mine - Concentrator - Roast-Leach
Electrowinning Plant - Vat Leach precipitate - Sponge Iron Plant
Acid Plant - Development

General Manager J.H. Hunter
Asst. General Manager G.L. Wilhelm
Adm. Asst. to General Manager G.I. Valdez
Mine Supt. S. Milne
Chief Engineer T. Phillips

HECLA MINING COMPANY - Lakeshore Mine (contd.)

Metallurgical Manager P. Musgrove
General Maintenance Supt. D. Perdok
Industrial Relations Mgr. R. Leske
Administrative Manager T.L. Kiser

INSPIRATION CONSOLIDATED COPPER COMPANY

First National Bank Plaza, 100 W. Washington, Phoenix, 85003 - Phone 258-4561

Vice President R.C. Cole

Mine and Plant

Inspiration 85577 - Phone 473-2411 - Employees 1700 approx.
In plant leach-electrowinning plant and refinery
Rod plant - Lime Plant - Acid Plant

President & Chief Operating Officer. R.R. Hyde
General Supt. J.B. Holman
Asst. Gen. Supt. Oper. D.S. Skufca
Ch. Exp. Geologist Hugh W. Olmstead
Asst. Comptroller. F.A. Lopez
Ch. Resident Geologist John T. Eastlick
Dir. Ind. Rel. Duncan McDonald
Dir. of Comm. Rel. John Gregovich
New Proj. Dir. Jack Kuhn
Mine Supt. T.M. Anderson
Supt. of Mine Engineer H.H. Mellus
Supt. of Ox-Hide Mine. V.E. Jones
Dir. of Environ. Control Bill Pattullo
Smelter Supt. E.E. Groff
Utility Supt. Carter Nelms
Property Supt. Jim Montgomery
Conc. Supt. Sherman Quayle
Supt. of Leach & Ref. G.F. Fountain
Pit Maint. Supt. Dick Trusty
Purch. Agent J.M. Fentress

JOE BUSH MINE

Under development

WILLOW SPRINGS MINE

Heap Leach Cu operating

INSPIRATION CONSOLIDATED COPPER COMPANY (contd.)

CHRISTMAS MINE DIVISION

Heap leach - Phone 356-7803 - OP Mine - Concentrator - Employees 275

Manager. P.W. Richardson
Mine Supt. Guy Vallincourt
Conc. Supt. Richard Laird
Gen. Maint. Supt. Harold Benjamin

JAQUAYS MINING CORPORATION

EL DORADO MINE

Box 328, Globe 85501 - Phone - 425-6381 - Phoenix 254-6494 - Employees 38
Mine 33 miles northeast of Globe - UG, mill at Globe
Low Iron, Chrysotile, Filter Asbestos for filter industry, out of Arizona
markets.

President & Gen. Mgr. D.W. Jaquays
Plant Mgr. & Asst. to Pres. Nelson Muncy
Mill Supt. & Asst. Plant Mgr. Paul Wright
Mill Foreman Viviano Saucedo
Mining Supt. Frank Stephenson
Bookkeeper Harold Cain

KENNECOTT COPPER CORPORATION

RAY MINES DIVISION

Hayden 85235 - Phone at office 356-7811, at the mine 363-5531
Smelter cap. 420,000 T - Employees 1700

SMELTER & CONCENTRATOR - HAYDEN

General Manager. K.H. Matheson
Red. Plant Supt. J.S. Nebecker
P.R. Director. Jim Maize
Smelter Supt. J.E. Stocker
Mill Supt. R.A. Prescott
Red. Plant Ch. Engineer. J.A. Cooper
Dir. Inds. Engineer. C.H. Phillips
Red. Plant Maint. Supt. R.A. Barrass
Dir. Safety & Environ. Control J.T. Mortimer

KENNECOTT COPPER CORPORATION (contd.)

OP MINE, VAT LEACH & ELECTROWINNING - RAY

Mines Plant Supt. C.K. Vance
Asst. Opers. Supt. R.F. Winkle
Mines Plant Ch. Engr. H.W. Bishop
Leaching Opr. Supt. S.F. Johnsen
Mine Plant Maint. D.J. Justensen
Purchasing Agent E.G. Stebbins

LITTLE HILL MINES, INC.

GOLD HILL MINE

P.O. Box 332, Oracle 85623 - Phone 896-2245 - Employees 9
OP Mine - 3 miles southwest of Oracle - Copper-silica flux for Cu smelter

President. Dave McGee
General Supt. Art Coughanour
Purchasing Agent Howard Durham

MAGMA COPPER COMPANY

SAN MANUEL DIVISION

Box M, San Manuel 85631 - Phone 385-2201 - Employees 4200
UG Mine & mill north of San Manuel, smelter at San Manuel
Sulfuric acid 1000 TPD anticipated, smelter cap. 670,000 T/yr.
Electrolytic Ref. Cap. 200,000 T/yr.

Chairman of the Board. W.P. Goss
President. Wayne H. Burt
Exec. V.P. W.L. Parks
Asst. to the V.P. D.C. Ridinger
Controller G.P. O'Brien
General Manager. E.K. Staley
Mgr. Mining & Conc. Opr. J.W. Goss
Mgr. Smelting & Refining J.D. McIver
Mgr. Engineering & Tech. Services. T.E. Hearon
Mine Supt. H.W. Seaney
Mill Supt. G.W. Dopson
Refinery Supt. K.D. Parks
Smelter Supt. R.L. Sloan
Chief Geologist. L.A. Thomas
Director of Procurement & Warehousing. W.J. Newha
Chief Buyer. C.D. Wavrek
Safety Director. W.G. Wood
Accounting Manager R.A. Lee
Mgr. Pers. Service R. Skiba
Public Relations Officer Frank R. Harris
Environ. Control R. Groves

MAGMA COPPER COMPANY (contd.)

SUPERIOR DIVISION

P.O. Box 37, Superior 85273 - Phone 689-2444 - Employees 1150
Concentrator - Magma Mine UG

Asst. to President T.G. Chilton
General Manager. L.C. Acton
General Supt. J.W. Murray
Mine Supt. Frank Florez
Mill Supt. R.E. Gamble
Ch. Engineer Walter Martin
Ch. Geologist. R.N. Webster
Purchasing Agent R.L. Medlock
Dir. of Maint. R.G. Schaal
Office Mgr. A. Merten
Sr. Pers. Admin. B.G. Burwell
Ch. Warehouseman Paul Sullivan
Ch. Safety Engr. N.S. Barajas

McFARLAND-HULLINGER

WINKELMAN PLANT

P.O. Box 811, Tucson 85702 - Phone 356-7684 Winkelman
Plant & quarry at Winkelman - silica flux

General Manager. W.D. Nelson

HAYDEN QUARRY

Hayden 85235 - Rear of ASARCO smelter - limestone flux

TIGER MINE TAILINGS

2 miles southwest of Mammoth - reworking tailings - silica flux
total number of employees for above plants - 8

GLOVE MINE

Under exploration - General Delivery, Amado 85640 - Employees 7
UG Mine - lead, zinc, silver - 7 miles southeast of Amado
Sunrise Mining Company, owner

Foreman. Irwin Wolfe

MOORE LIME PLANT

201 Mesa, Globe 85501 - Phone 425-6149 - Employees 15
OP Mine and plant 2½ miles north of Miami owned by Inspiration Consolidated
Copper Company - lime plant

Lessee and Gen. Mgr. C.L. Moore
Gen. Supt. Herbert Howard

NATIONAL GYPSUM COMPANY

P.O. Box 20863, Phoenix 85036 - Phone 258-6106 & 258-5470 (shop)

WINKELMAN GYPSUM PIT

Star Route, Box 89, Winkelman 85292 - Phone 356-7180
OP Mine at Feldman 10 miles south of Winkelman
Gypsum used in plaster board - Employees 7-8

Mine Supt. Nelson Cluff
Plant Mgr. John Pitts
Office Mgr. (Purchasing) Wallace McElyea

CAN-AM CORPORATION (Paul Lime Div.)

Drawer T. Douglas 85607 - Phone 364-2429 - Employees 52
Quarry & plant at Paul Spur - 570 TPD cap. 2 lime kilns
Lime for use in copper processing plants

President. Robert A. Barbero
Oper. Mgr. John Ames
Purch. Agent C.T. "Tom" Bishop
Sec. Treas. Harold Hansen

PEABODY COAL COMPANY

BLACK MESA #1

P.O. Box 605, Kayenta, 86033 - Phone 697-3505 & 3506
Surface mine approx. 25 miles southwest of Kayenta - Employees 157

Mine Supt. Mike Naccarato
Asst. Supt. Jim Ehrenhart
Ch. Engr. J.M. Arnold
Mech. Supt. Clate Gatlin
Maint. Supt. Joe Rieker
Supply Supt. Jim Penbrook
Safety Supt. Ed Little

PEABODY COAL COMPANY (contd.)

KAYENTA MINE

P.O. Box 606, Kayenta 86033 - Phone 697-3208 & 3209

Surface mine - Employees 111

Mine Supt.	Curtis W. Dement
Asst. Supt.	Maurice Kennedy
Const. Supt.	Pat McGrew
Mech. Supt.	Clate Gatlin
Supply Supt.	Jim Penbrook
Safety Supt.	Ed Tano

PHELPS DODGE CORPORATION

WESTERN OPERATIONS OFFICE

Box 1238, Douglas 85607 - Phone 364-8451

Senior V.P.	John A. Lentz
General Manager.	W.W. Little
Asst. General Mgr.	A.H. Kinneberg
Asst. to the Senior V.P.	M.P. Scanlon
Office Manager	H.H. Salzbrenner
Controller, Western Opers.	H.M. Visick
Asst. Controller	N.S. Balich
Dir. of Labor Relations.	R.E. Rhoades
Purchasing Agent, Western Opers.	H.C. Zamar
Chief Mechanical Engr.	J.H. Davis
Metallurgist - Western Opers.	J.E. Foard
Manager, West. Expl. Opr.	R.W. Ludden, Jr.
Chief Geophysicist, Western Opers.	A.M. Hauch, III
Dir., D.E.E.R.	J.D. Forrester
Dir., Geologic Lab. West. Opr.	S.A. Williams
Western Traffic Manager.	J.D. Jordan

DOUGLAS REDUCTION WORKS

Drawer E, Douglas 85607 - Phone 364-2441

Smelter capacity 700,000 T copper - Employees 660

Supt.	W.L. Gage
Plant Engineer	A.F. Hallett
Master Mechanic.	B.F. Kenyon
Supply Department Head	C.E. Stapp
General Plant Foreman.	R.C. Ivanecky
Head, Dept. Smoke Investigation.	C.R. Davis

PHELPS DODGE CORPORATION (contd.)

COPPER QUEEN BRANCH

Bisbee 85603 - Phone 432-3621 - Employees 250 - Underground leach

General Supt. H.D. Clark
Chief Engr. Harry Metz
Safety Supervisor. R.D. Holland

MORENCI BRANCH

Morenci 85540 - Phone 865-3772 - Employees 2780
OP Mine concentrator - Smelter cap. 900,000 T, Acid Plant 2,500 T Cu

Manager. J.E. O'Neill
Asst. Mgr. J.L. Bolles
Gen. Supt. S.C. Holmes
Mine Supt. (Morenci) L.D. Olson
Mine Supt. (Metcalf) D.C. Jacoby
Conc. Supt. (Metcalf). W.S. Hannan
Conc. Supt. (Morenci). A.J. Broderick
Smelter Supt. S.W. Towle
Mechanical & Electrical Supt.. . . . Felix Berra
Ch. Engr. J.F. Stock
Research Supt. G.W. Clevenger
Ch. Accountant John Cuthbertson
Ch. Geologist J.M. Langton
Supply Dept. Head. C.R. Simons
Mine Master Mechanic W.A. Rothe

METCALF MINE

OP Mine - See Morenci above for key personnel

NEW CORNELIA BRANCH

Ajo 85321 - Phone 387-7451 - Employees 1210 - OP Mine - Concentrator - Smelter
Acid Plant - Smelter cap. 250,000 TPY

Manager. D.H. Orr
General Supt. A.L. Alexander
Mine Supt. C.V. Troutman
Conc. Supt. J.L. Shore
Smelter Supt. F.R. Rickard
Ch. Engr. J.M. Sudler
Master Mechanic. F.S. Galloway
Ch. Accountant O.E. Eckert
Supply Dept. Head. J.C. Steel

PHELPS DODGE CORPORATION (contd.)

SAFFORD BRANCH

Box 151, Safford 85546 - Phone 428-6900
UG Mine - UNDER DEVELOPMENT - Employees 165

General Supt. S.C. Holmes
Mine Supt. J.A. Riddle
Ch. Engr. R.B. Nichols
Ch. Geologist. K.J. Coke
Ch. Accountant Terrel Davis

PHOENIX CEMENT COMPANY
Division Amcord Inc.

PHOENIX OFFICE

3550 North Central Avenue, Suite 1501, Phoenix, 85012 - Phone 264-0511

President. Raymond A. Quadt
Sales Mgr. Vince Shaehan
V.P.-Administration. Don O. LeGate
Mgr. of Dist. & Market Research. James W. Miller
Dir. of Tech. Services John M. Stoss

CLARKDALE PLANT

P.O. Box 428, Clarkdale 86324 - Employees 145
Quarry & plant 2 miles northwest of Clarkdale - 3,200,000 BPY Cement

V.P.-Mfg. J.E. Conway
Quarry Supt. John G. Leibert
Supervisor of Quality. Robert R. McGilvrag
Maint. Supt. Joe E. D'Avignon
Prod. Supt. C.J. Jones
Plant Engineer David H. Gierkieng
Const. Engr. Keith W. Miller
Tech. Asst. Thomas E. Gilbon
Ad. Sup. W.J. St. Clair
Purchasing Supt. W.E. Hackley
Pack House Supt. A. Clyde Hanch

PINAL-MAMMOTH GYPSUM

2020 S. 9th Street, Coolidge - Employees 3 - zip code-85228
Agricultural gypsum - mine 6 miles north of Mammoth

President. R.D. Bechtel

PRODUCERS MINERAL CORPORATION

PEACOCK MINE

P.O. Box 226, north San Juan Road, Safford 85546 - Phone 428-1772
OP Mine dump leach - approx. 8 miles north of Safford - Employees 9

Manager. Ralph W. Morrow
Ch. Chemist. J.W. Boss

RANCHERS EXPLORATION & DEVELOPMENT COMPANY

BLUEBIRD MINE

P.O. Box 880, Miami 85539 - Phone 473-4405 - Employees 130
OP Mine - Leach - Solvent Extraction Plant - 3 miles west of Miami

General Manager. K.L. Power
Mine Manager George Van Etten
Mine Foreman Larry Maynard
Plant Manager. Ron Longwell
Maint. Supt. Joe Dalley
Purchasing Agent Dave Nussear

SANTA FE CINDER PIT

DARLING CINDER PIT

Santa Fe Railroad - Div. Engr. Office - Phone 289-4615 - Winslow 86047
Employees 6 - OP Mine - Cinders for railroad ballast - 12 miles east of
Flagstaff

Supt. F.L. Kidd
Div. Engr. R.D. Garland
Foreman. C.A. Baker

SOUTHWEST SALT COMPANY

P.O. Box 1237, Litchfield Park 85340 - Phone 935-5289 - Employees 4
Wells - Solution mining - Salt for water softeners, cattle supplement

General Manager. G. Grott

SUPERIOR COMPANIES

2402 S. 19th Avenue, Phoenix 85009 - Phone 253-2116 - Redimix plant

President. William O. Fisher
V.P. William J. Kessler
V.P. & Mgr. of Mines Arch Shelton

DRAKE PLANT

P.O. Box 302, Paulden 86334 - Employees 5
Quarry 3 miles south of Drake - Limestone used for smokestack scrubbing

Supt. Bud South

LARSON GYPSUM

P.O. Box 786, Camp Verde 86332 - Employees 5
Quarry 4 miles southeast of Camp Verde - Gypsum & bentonite
Gypsum for cement additives

Supt. Bob Matock

WINKELMAN GYPSUM

P.O. Box 327, Winkelman 85292 - Phone 356-7002 - Employees 7
Diatomite-gypsum

Supt. Bud South

WENDEN PLANT

P.O. Box 147, Wenden 85357 - Phone 859-3550 - Employees 6
OP Mine - Quarry 3½ miles south of plant - Plant 4 miles west of Wenden
White marble for terrazzo tile, out of state

Manager. Ed Mattson

SUPERLITE BUILDERS SUPPLY

5201 N. 7th Street, Phoenix 85014 - Phone 263-7633

Mine Supt. Fred Bengston

SUPERLITE BUILDERS SUPPLY (contd.)

DARLING CINDER PIT

Mobile Phone 774-7475 - Employees 3 - OP mine east of Flagstaff.
Cinder used for building blocks

Mine Foreman Ted Webster

TONTO MINING AND MILLING COMPANY

Box 275, Punkin Center, Arizona 85553 - Phone 467-2350
Toll milling, selective flotation plant - Are now milling and mining CaF_2

V.P. & Gen. Mgr. Jack Hamilton
Plant Foreman. Donald Burden

VALLEY STONE SUPPLIES

Box 2224, Prescott, 86301 - Phone 636-2235
Employees 4 - Quarry 8 miles northeast of Drake
Local and California markets. Flagstone for decorative use local and
out-of-state markets.

General Manager. Franklin & Barbara Hyslip

GORDON WAINWRIGHT-CONTRACTOR

P.O. Box G, Hayden 85292 - Phone 356-7322

CHILLITO MINE

Owned by Kennecott Copper Corporation
OP Mine - Copper silica flux for copper smelter - Approx. 4 miles north of
Hayden - Employees 3-4 part-time

Foreman. Robert Goodridge

BLACK HILLS LIMESTONE QUARRY

Owned by Magma Copper Company - Employees 12
OP Limestone mine for acid neutralizer - 5 miles southeast of San Manuel

Foreman. E.C. Munoz

GORDON WAINWRIGHT-CONTRACTOR (contd.)

CAMP GRANT LIMESTONE AND SILICA QUARRY

Leased by Magma from State Land Department
Lime and silica flux for plant and smelter - Employees 3-4 part-time

Foreman. Robert Goodridge

O. BRICE WILLIS

HARMONY NO. 1

P.O. Box 1325, Clifton 85533 - Phone 864-3782 - Employees 2
OP Mine - Silica - Chase Creek - north of Morenci 6 miles

President (owner). O. Brice Willis
Gen. Supt. M. Clifford Willis

WESTERN STATES STONE COMPANY

P.O. Box 316, Ashfork 86220 - Phone 637-2542 - Employees 6
Decorative building stone - marketed locally and out-of-state
Plant at Ashfork - numerous quarries

Supt. G.B. Madison

SAND and GRAVEL PRODUCERS in ARIZONA

The following pages contain the names, addresses and telephone numbers of sand and gravel producers in Arizona, as supplied by the Arizona Rock Products Association.

The companies are grouped by operating areas or nearest city or town. The Arizona Department of Mineral Resources is grateful for the assistance provided by the Arizona Rock Products Association.

In future directories, every attempt will be made to include the same detailed information on the sand and gravel producers as is provided on the other mining operations.

SAND AND GRAVEL PRODUCERS IN ARIZONA

AJO

Jim Bush Ready Mix
1015 North Cameron Avenue
Ajo 85321 387-6250

ASH FORK

Dunbar Stone Company, Inc.
Highway 89 - Paulden
Ash Fork 86320 637-2592

BENSON

Cochise Materials, Inc.
County Road
Benson 85602 586-3421

BISBEE

A.J. Gilbert Construction Co.
P.O. Box 5288
Bisbee 85603 432-3946

CAMP VERDE

Don Summit Concrete
Camp Verde 86322 567-3211

Superior Companies
Highway 279
Camp Verde 86322 567-3368

CASA GRANDE

Pinal Materials
Valley Industrial Park
Casa Grande 85222 836-2127

Tanner Companies (United-Metro Div.)
105 S. Brown Street
Casa Grande 85222 963-5373

COOLIDGE

Tanner Companies (United-Metro Div.)
Attaway Road & Highway 287
Coolidge 85228 723-5851

COTTONWOOD

Mingus Concrete & Materials Co.
Cottonwood 86326 634-2342

Valley Concrete & Materials
Cottonwood 86326 634-5848

DOUGLAS

Maddux & Sons, Inc. Ready Mix
1927 Pan American
Douglas 85607 364-5731

FLAGSTAFF

Northern Materials Corp.
5200 East Railhead
Flagstaff 86001 526-0665

GILA BEND

Gila Ready Mix
Stout Road
Gila Bend 85337 683-2251

GLOBE

Guzman Construction
Superior - Globe 689-5632

Hagen Construction Co.
P.O. Box 150
Globe 85501 964-8967

HOLBROOK

Holbrook Ready Mix
406 Apache Drive
Holbrook 86025 524-3932

HUMBOLDT

Humboldt Sand & Rock Concrete
Humboldt 86329 632-7647

KEARNY

Saguaro Concrete Co.
Industrial Road
Kearny 85237 363-7256

KINGMAN

Desert Construction Inc.
3290 North Bank
Kingman 86401 757-2213

W.M.K. Transit Mix
West Highway 66
Kingman 86401 753-5266

LAKE HAVASU CITY

Starr Ready Mix Company
1500 Acoma
Lake Havasu City 86403 855-4193

MAMMOTH

Fred L. Clark Trucking Co., Inc.
Mammoth 85618 487-2232

NOGALES

New Pueblo Materials
Frontage Road
Nogales 85621 287-4668

NOGALES

River Road Sand & Gravel Co.
River Road
Nogales 85621 287-8831

PAGE

Kocjan Enterprise, Inc.
Page 86040 645-2297

PARKER

Blue River Concrete & Aggregates
Riverside Drive
Parker 85344 669-8696

Poston Materials
S. Highway 72 - Mohave Road
Parker 85344 669-8684

PAYSON

Payson Concrete & Materials, Inc.
Aero Drive & McLane
Payson 85541 474-2231

PHOENIX AREA

A&S Sand & Gravel
8038 West Palmar Avenue
Glendale 85303 934-5600

Allied Concrete & Materials
2405 North Center
Mesa 85201 834-9593

Allied Concrete, Inc.
11923 West Indian School Road
Phoenix 85039 247-0730

American Materials, Inc.
107 Avenue & Salt River
Tolleson 85353 936-4321

PHOENIX AREA

Agua Fria Sand & Rock
Thomas Road & Agua Fria River
Phoenix 85039 935-2627

Arizona Sand & Rock Company
1801 East University
Phoenix 85034 254-8465
Grand Avenue & Agua Fria
Sun City - Mesa

John S. Bradley & Sons
2425 S. 40th Street
Phoenix 85034 268-8843

Century Paving Materials
2156 East 1st Street
Tempe 85251 966-4188

Joe Conway Sand & Gravel
6509 West Orangewood Avenue
Glendale 85301 937-9402

Johnson & Stewart Materials
1901 North Alma School Road
Mesa 85201 964-8691

Mesa Sand & Rock Co.
2246 North Country Club Drive
Mesa 85201 964-1773

Phoenix Redi-Mix Company
3635 South 43rd Avenue
Phoenix 85009 272-2637

Phoenix Sand & Rock
117 Avenue & Indian School Road
Phoenix 85039 936-1439

Reeves Sand & Rock, Inc.
2850 West Broadway
Phoenix 85041 276-1292

Royal A&A Materials
10603 West Glendale Avenue 939-1985
103 Avenue & W. Van Buren 932-1391
Glendale 85307

PHOENIX AREA

Tanner Companies (United-Metro Div.)
3640 S. 19th Avenue
Phoenix 85009 262-1211
2606 S. 40th Street
Phoenix 85034 262-1211
South Miller Road & Gila River
Buckeye 85326 935-3571
7th Street & Cave Creek Wash
Phoenix 85024 942-7704
115th Avenue & Glendale
Phoenix 85307 935-3562

Carl Thomas Sand Co.
Granite Reef Dam 832-2120

Tri-City Ready Mix
2128 East 1st Street
Tempe 85281 967-7597

Union Rock & Materials Corp.
2800 S. Central Avenue
Phoenix 85040 276-4211
Beeline Highway 964-2425
Central & Beardsley 942-8360

PRESCOTT

Concrete Service Company
North 6th Street & State
Prescott 86301 445-5120

E Z Transmix Co.
North 6th
Prescott 86301 445-3571

Valley Transit Mix
1301 North Highway 89
Prescott 86301 445-3010

Yavapai Materials, Inc.
Near Airport - Highway 89
Prescott 86301 445-7305

SAFFORD

C K C, Materials Division
Airport Road
Safford 85546 428-3423

W.A. Morris Sand & Gravel & Concrete Inc.
Bowie Highway
Safford 85546 428-1371

ST. JOHNS

Francis Day & Sons
St. Johns 85936 337-4406

SHOW LOW

Show Low Ready Mix
507 S. White Mountain Road
Show Low 85901 537-2290

SIERRA VISTA

D.C. Contractors, Inc.
Highway 92
Sierra Vista 85635 378-2349

Sierra Ready Mix & Contracting Co.
North Avenue
Sierra Vista 85635 458-4343

SNOWFLAKE

Brimhall Sand & Rock & Building Material
North Snowflake 85937 536-4551

TACNA

Kelland Sand & Gravel
Highway 80
Tacna 85352 785-4584

TAYLOR

Hatch's Sand & Gravel
Taylor 85939 536-7379

TAYLOR

Reidhead Sand & Rock Inc.
Taylor 85939 536-4519

TUCSON AREA

Columbia Sand & Gravel Co., Inc.
5400 West Massingale Road
Tucson 85704 299-9713

Construction Materials
7570 East Speedway
Tucson 85710 296-5698

New Pueblo Materials, Inc.
4115 East Illinois
Tucson 85714 748-1694
Green Valley 625-3308
Frontage Rd.-Nogales 287-4668
Northside - Tucson 297-5854

San Xavier Rock & Sand Company
1000 West Valencia Road
Tucson 85706 889-6341

Tucson Rock & Sand Co., Inc.
7400 East Speedway Boulevard
Tucson 85710 298-1821

Tucson Sand & Soil, Inc.
2430 West Curtis
Tucson 85705 887-3300

WICKENBURG

Red-E-Mix Concrete Co.
188 Division
Wickenburg 85358 684-7248

WILCOX

Hamilton Sand & Gravel
Hamilton Road
Wilcox 85643 384-2582

Wilcox Rock & Sand
770 S. Cochise Avenue
Wilcox 85643 384-2181

WINKELMAN

Superior Companies
Tucson Highway
Winkelman 85292 356-7002

WINSLOW

K.H. Phillips & Company
702 West Oak
Winslow 86047 289-2456

YARNELL

Sanborn's Sand & Rock
205 S. Broadway
Yarnell 85362 427-3411

YUMA

Robinson Sand & Gravel
Yuma 85364 783-3226

Tanner Companies (United-Metro Div.)
265 West 13th Street
Yuma 85364 782-9267

Yuma Foothills Transit Mix
Fortuna Wash
Yuma 85364 342-1436

DEPARTMENT OF MINERAL RESOURCES
Mineral Building - Fairgrounds
Phoenix, Arizona 85007

THIRD CLASS