MINING DISTRICTS AND MINERAL DEPOSITS OF NEW MEXICO

(Exclusive of Oil and Gas)

COMPILED BY

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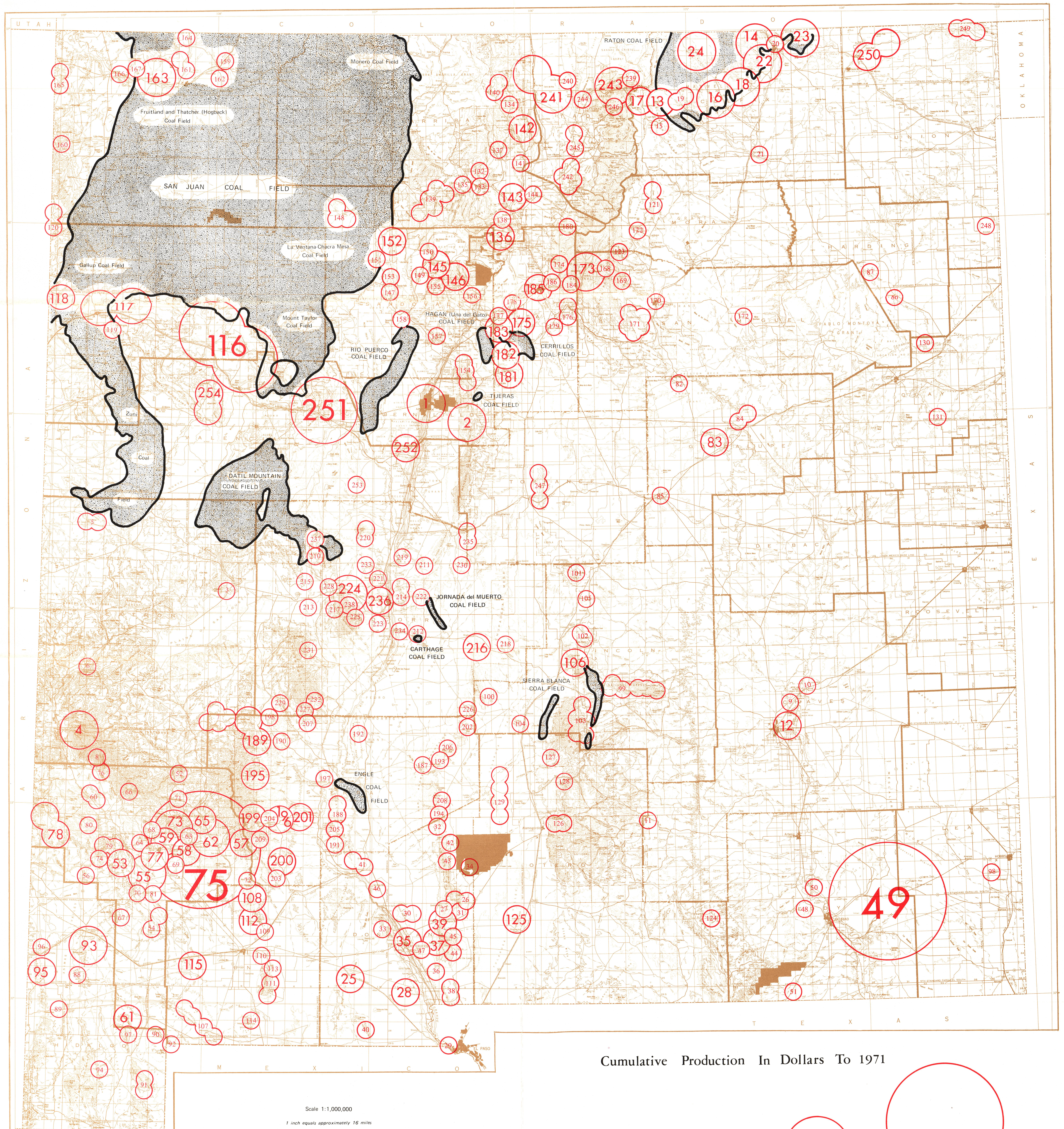
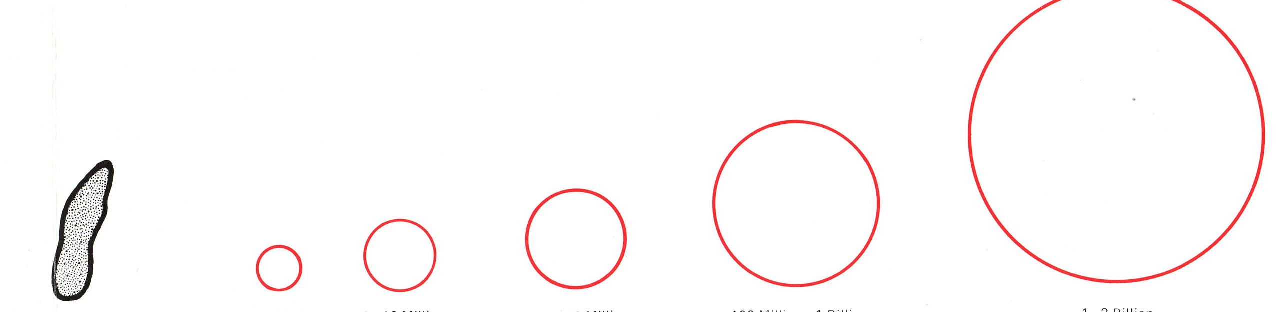


Cumulative Production In Dollars To 1971



Scale 1:1,000,000

1 inch equals approximately 16 miles

0 10 20 30 40 50 100 Miles

0 10 20 30 40 50 100 Kilometers

Contour Interval 500 feet

Note: Base reduced from U. S. Geol. Survey State of New Mexico base map with highways and contours, 1967

Format of mining district names after File and Northrup, New Mexico Bureau of Mines and Mineral Resources Circular 84, 1966. Mining district names are in upper case letters. Mineral deposits other than mining districts are in lower case letters.

PRICE THREE DOLLARS

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Salt Lake City, Utah

LIST OF MINING DISTRICTS AND MINERAL DEPOSITS BY COUNTIES.

BERNALILLO COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
1	Albuquerque	Sand and gravel	Sand and gravel from Quaternary terrace deposits of the Rio Grande River. (10, 43, 48, 50)
	LAGUNA (see Valencia Co.)		
	Los Lunas (see Valencia Co.)		
	PLACITAS (see Sandoval Co.)		
	RIO PUERCO COAL FIELD	Coal - subbituminous	Cleary Coal Member of the Menefee Formation in the Cretaceous Mesaverde Group. (12, 14, 50).
2	TIJERAS CANYON (Carnué, Coyote, Coyote Basin, Coyote Canyon, Coyote Springs, Hell(s) Canyon, Isleta Reservation, Manzanita Mountains, North Manzano, Sandia, Sandia Mountains, Soda Springs, Star, Star Canyon, Tijeras)	Cement rock, gypsum, clay, stone, fluorspar, gold, lead, silver	Cement rock from limestone and shale of the Pennsylvanian Madera Formation. Gypsum from the gypsum member of the Jurassic Todilto Formation. Clay from shale beds transitional between the Pennsylvanian Magdalena Group and the Permian Abo Formation. Stone — building and flagstone from limestone, and Precambrian quartzite and granite. Fluorspar, gold, lead, silver in quartz fissure and replacement veins in Precambrian gneiss and greenstone schist. (10, 12, 43, 50)
	TIJERAS COAL FIELD	Coal - bituminous	Mesaverde Group. (12, 50)

CATRON COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
	CHLORIDE (see Sierra Co.)		
3	Datil	Uranium	..........(43)
	DATIL MOUNTAIN COAL FIELD	Coal - subbituminous	Mesaverde Group. (50)
4	MOGOLLON (Alma, Cooney, Glenwood, Mogollon Mountains)	Silver, gold, copper, lead, fluorspar, uranium	Silver, gold, copper, lead, in fault veins in Tertiary rhyolite, quartz latite, andesite, and pyroclastics. Fluorspar in veins in rhyolite porphyry adjacent to latite porphyry intrusives, and in tabular bodies in breccia fault zones in Tertiary andesite. Uranium in a fault in Tertiary andesite agglomerate.(1, 43, 50, 56)
5	QUEMADO SALT (Crater Salt Lake, Zuni Crater Salt Lake, Zuni Salt Lake)	Salt	Salt from brine as a result of solar evaporation. (43)
6	Reserve	Asbestos	..........(48)
7	TAYLOR CREEK (Black Range, Taylor Creek Tin)	Tin	In fractures and veinlets in mid-Tertiary kaolinized rhyolite, rhyolite breccia, and porphyritic rhyolite. Placer deposits in Hardcastle Creek, Nugget Gulch, Taylor Creek, and Squaw Creek. (22, 51)
8	WILCOX (Sacaton Mesa, Tellurium, Wilcox Prospect Region)	Fluorspar, gold, tellurium	Fluorspar in veins and breccia zones in Tertiary andesite and latite. Gold and tellurium in a shear zone in Tertiary andesite and latite. (18)
	ZUNI COAL FIELD (see Valencia Co.)		

CHAVES COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
9	Acme Clay	Clay	Permian "red bed" deposits. (41, 43)
10	Acme Gypsum	Gypsum	In Permian "red beds," interbedded with clay, limestone, and sandstone. (41, 43)
11	Rio Penasco	Gold	Placer deposits. (48)
12	Roswell	Sand and gravel, clay, stone	Sand and gravel from Quaternary alluvium. Clay from organic shales. Building stone from limestone and sandstone. (43, 50)

COLFAX COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
13	BALDY (Aztec, Baldy Mountain, Cimarron, Copper Park, Eagle Nest, Maxwell's Mount Baldy, Old Baldy Mountains, Ute Creek, Virginia City, Willow Creek)	Gold, silver, copper, lead	Gold, silver, copper, lead in quartz veins and contact-metamorphic deposits in calcareous sedimentary rocks adjacent to Tertiary-Cretaceous monzonite porphyry intrusive. Gold from placer deposits. (1)
14	BLOSSBURG (Brilliant, Gardner, Raton, Swastika)	Coal - bituminous	Paleocene Raton Formation. (35,39)
15	CIMARRONCITO (Bonito, Cimarron Canyon, Uraca, Urraca, Urraca Creek)	Gold, silver, copper	Contact-metamorphic deposits in Pennsylvanian and Cretaceous limestone near Tertiary-Cretaceous monzonite porphyry intrusive. (1)
16	DAWSON-STAG CANYON	Coal - bituminous	Upper Cretaceous Vermejo Formation. (35, 39)
17	ELIZABETHTOWN (Cimarron, Eagle Nest, E-Town, Hematite, Iron Mountain, Moreno, Moreno Valley, Moreno Creek, West Moreno)	Gold, silver	Gold and silver in placer deposits in Grouse Gulch and Humbug Gulch; in quartz veins in Tertiary-Cretaceous monzonite and at the monzonite-Cretaceous sediments contact; as contact metamorphic deposits in calcareous shales adjacent to altered monzonite porphyry sills and stocks. (1)
18	KOEHLER	Coal - bituminous	Upper Cretaceous Vermejo Formation. (Joel N. Van Sant, oral commun., 1971; 35)
19	PONIL	Gold	Placer deposits from Ponil Creek. (1, 53)
	Raton (see BLOSSBURG)		
	RATON COAL FIELD (see BLOSSBURG, DAWSON-STAG CANYON, KOEHLER, WILLOW-VAN HOUTEN, YANKEE-SUGARITE-JOHNSON MESA, and YORK CANYON-VERMEJO PARK)		
20	Raton Stone	Stone	Cretaceous Trinadad sandstone quarried as building stone. (43)
21	Springer	Cement rock	Cretaceous Timpas Limestone. (43)
	West York Strip (see YORK CANYON-VERMEJO PARK)		
22	WILLOW-VAN HOUTEN	Coal - bituminous, graphite	Coal from the Upper Cretaceous Vermejo Formation. Graphite as irregular masses in diabase sills intruded into coal-bearing formations. (35, 39, 43)
23	YANKEE-SUGARITE-JOHNSON MESA	Coal - bituminous	From the Paleocene Raton Formation. (50)
24	YORK CANYON-VERMEJO PARK (West York Strip)	Coal - bituminous	York Canyon - Coal from the Paleocene Raton Formation. Vermejo Park - Coal from the Upper Cretaceous Vermejo Formation. (Joel Van Sant, oral commun., 1971; 35, 40, 50)

DONA ANA COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
25	ADEN	Scoria	From Quaternary volcanic cinder cones. (8, 14)
26	BEAR CANYON (San Agustin, San Augustin, San Augustine)	Barite, lead, vanadium, fluorspar	Barite, lead, vanadium, fluorspar as replacement deposits in the Ordovician El Paso Limestone. Barite, lead, fluorspar in irregular replacement deposits in the Silurian Fusselman Limestone. (9, 43, 50, 55, 56)
27	BLACK MOUNTAIN NO. 1 (Black Mountain, Kent, Organ, San Augustin, San Augustine)	Gold, fluorspar	Gold in the Silurian Fusselman Dolomite overlying Precambrian granite and schist, and below the Fusselman—Devonian Percha Shale contact. Fluorspar in a silicic contact zone between Precambrian granite and an epidiorite dike. (1, 56)
28	BLACK MOUNTAIN NO. 2	Scoria	Scoria from a Quaternary volcanic cinder cone. (8, 14)
29	BRICKLAND	Limestone, shale, clay	Limestone and shale quarried for cement from Cretaceous rocks. Clay from Cretaceous rocks. (50)
30	DONA ANA MOUNTAINS	Silver, gold	In narrow quartz veins in a rhyolite dike. (9)
31	GOLD CAMP (Organ, San Agustin, San Augustin, San Augustine)	Gold	Gold in narrow quartz veins in Precambrian granite. (33)
32	HEMBRILLO (Hembrillo Canyon, Membrillo, San Andreas Mountains, San Andres Mountains)	Talc, copper	Talc in lenticular masses in Precambrian argillite, phyllite, diabase, calcite, dolomite, and silica-carbonate rock. Copper in veins in the Cambrian Bliss Sandstone and underlying Precambrian granite. (1, 9, 50)
33	IRON HILL (Robledo Mountain(s))	Iron	In lenticular replacement deposits related to fissure zones in the Pennsylvanian Magdalena Limestone. (1, 9)
34	Lake Lucero	Sodium sulfate minerals, salt, borax	From brines in Lake Lucero and in deposits in adjacent alkali flats. (50)
35	Las Cruces	Sand and gravel	Quaternary alluvium. (50)
36	Mesquite	Fluorspar, clay, uranium	Fluorspar in veins in the Pennsylvanian Magdalena Limestone. Brick clay in Pennsylvanian (?) shale beds. Uranium with fluorite in faults in limestone and shale of the Magdalena Group. (50, 56)
37	MODOC (La Cueva, Organ)	Fluorspar, lead	Fluorspar as fissure-fillings in veins in partly metamorphosed limestones and shales. Lead in an irregular replacement deposit in the Pennsylvanian Magdalena Limestone, adjacent to andesite porphyry and quartz monzonite. (9, 33, 56)
38	NORTHERN FRANKLIN MOUNTAINS (Franklin Mountains)	Jarosite, fluorspar, lead, gypsum	Jarosite as a replacement deposit in a shear zone in the Pennsylvanian Magdalena Limestone. Fluorspar and lead in veins and replacement deposits in the Silurian Fusselman Dolomite. Gypsum from the Pennsylvanian Panther Seep Formation. (9, 50)
39	ORGAN (Mineral Hill, Organ Mountain(s), San Augustin, San Agustin, San Augustine, Soledad Canyon Prospects, South Canyon)	Silver, lead, zinc, gold, copper, bismuth, fluorspar, barite, clay, magnesite	Silver, lead, zinc in fissure veins in Tertiary quartz monzonite, along rhyolite dikes; as replacement deposits in limestone. Copper, bismuth in contact-metamorphic deposits along the Tertiary quartz monzonite intrusive, and limestone contact. Gold in veins in Precambrian granite. Fluorspar from fissure veins in Paleozoic limestone and shale. Magnesite from dolomite xenoliths in Tertiary quartz monzonite intrusive. (9, 33, 34, 43, 50)
40	POTRILLO MOUNTAINS (East Potrillo Mountains)	Limestone, barite, marble, lead	Limestone quarried for building stone from Lower Cretaceous beds. Barite, lead as replacement deposits along a shear zone in limestone. Marble quarried from Lower Cretaceous beds. (9, 50)
41	RINCON (Hatch, Rincon Manganese, Woolfer Canyon)	Manganese, fluorspar, bentonite, barite	Manganese in fractures and faults in Tertiary sandstone, quartzite and conglomerate. Fluorspar as fracture fillings and replacement deposits in limestone. Bentonite from the Quaternary-Tertiary Santa Fe Group. Barite in veins in a brecciated rhyolite sill intruded between limestone and shale. (1, 13, 43, 50, 55)
42	SAN ANDRECITO (Hembrillo, San Andres Mountains, San Andreas Mountains)	Copper	In fissure veins in the Cambrian Bliss Sandstone, and Ordovician El Paso Limestone, overlying Precambrian granite. (9)
43	SAN ANDRES CANYON (Capitol Peak Prospect Area, Hembrillo, San Andreas Mountains, San Andres Mountains)	Barite, lead	Replacement deposits in the Silurian Fusselman Dolomite adjoining a fault zone. (9, 55)
44	SOUTH CANYON (Soledad Canyon Prospect Region)	Barite, magnesite	Barite in veins in limestone. Magnesite in xenoliths of Paleozoic limestones and dolomites in quartz monzonite. (9, 43, 50)
45	TEXAS (Organ, Texas Canyon, Texas Creek)	Silver, gold, copper, bismuth	In veins in quartz monzonite. (9, 50)
46	TONUCO MOUNTAIN (San Diego Mountain)	Fluorspar, barite	As fissure fillings in Precambrian granite and schist. (9, 43, 55, 56)
47	TORTUGAS MOUNTAIN	Fluorspar	In veins in limestones and shales of the Pennsylvanian Magdalena Limestone. (43, 56)

EDDY COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
48	Adobe Flat Area	Copper, silver	In Upper Permian limestone. (33, 48)
49	CARLSBAD POTASH (Carlsbad)	Potassium minerals, magnesium, salt	From the Permian Salado Formation. (47, 50)
50	Oriental	Gypsum	In Permian "red beds," interbedded with clay, limestone, and sandstone. (41, 52)
51	Yeso Hills	Gypsum	From the Permian Castile Formation. (52)

GRANT COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
52	ALUM MOUNTAIN (Alum, Alumina, Alunogen, Gila River, Upper Gila)	Alum (kalinite)	From alum-bearing rock in the Tertiary Datil Formation. (43)
	Bayard (see CENTRAL)		
53	BLACK HAWK (Alhambra, Bullard, Bullard Peak, Bullard's Cone, Bullard's Peak, Burro Mountain Area, Little Bear Canyon)	Silver, tungsten, nickel, cobalt, uranium	Silver, nickel, cobalt, uranium in fissure veins in Precambrian quartz diorite gneiss near intrusive bodies of Tertiary-Cretaceous monzonite porphyry. Tungsten in veins in amphibolite, and in pegmatites in Precambrian granite. (16, 18)
54	BOUND RANCH (Farewell Mountain, Soldiers' Farewell Mountain)	Fluorspar, perlite, gold, lead, silver, tungsten	Fluorspar and gold in fissure veins in Precambrian granite and Tertiary volcanic rocks. Perlite in rhyolitic rocks overlying a welded rhyolite lithic tuff. Lead and silver in veins in Precambrian granite. Tungsten in a tabular (?) body in Precambrian granite. (18, 28, 50)
55	BURRO MOUNTAINS (Bald Mountain, Big Burro Mountain, Burro Mountain, Burro Mountain Gold Gulch, Burro Peak, California Gulch, Copper Springs), Iron Gulch, Leopold, Little Burro Mountains, Oak Grove, Oak Grove Camp, Paschal, Redrock Canyon, St. Louis Canyon, Sulphur City, Tyrone, West Burro Mountains)	Copper, turquoise, fluorspar, gold, bismuth, molybdenum, manganese	Copper as primary and secondary deposits in fractures, and disseminated in Precambrian granite and Tertiary-Cretaceous quartz monzonite stock. Turquoise in veinlets and as nodular masses in fractured zones in kaolinized and sericitized Precambrian granite and Tertiary-Cretaceous quartz monzonite porphyry. Fluorspar in breccia zone in sericitized and silicified Precambrian granite and Tertiary-Cretaceous quartz monzonite porphyry. Copper, gold, bismuth, molybdenum in veins and in shear zones in Precambrian granite and Tertiary-Cretaceous quartz monzonite. Manganese as irregular bodies along a shear zone in altered rhyolite, and in veins and pockets in Precambrian granite. (13, 18, 25, 43, 46, 47, 49, 50)

GRANT COUNTY (con't.)

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
56	CAP ROCK MOUNTAIN (Caprock, Cap Rock Mountain Manganese)	Manganese	In veins in quartzite and in the Quaternary-Tertiary Gila conglomerate. (1, 13)
57	CARPENTER (Camp Monarch, Swarts, Swartz)	Gold, silver, lead, zinc	Replacement deposits in limestone near faults or dikes. (1, 34)
58	CENTRAL (Bayard, Central City, Copper Flat, Fort Bayard)	Silver, zinc, lead, copper, iron	Silver, lead, copper, zinc in veins in northeast-trending fault zones, and in quartz diorite and granodiorite dikes. Zinc and iron as replacement deposits in the Pennsylvanian Middle Blue Limestone (Magdalena Formation) adjacent to a Tertiary-Cretaceous granodiorite porphyry stock. (1, 34)
	Chino (see SANTA RITA)		
59	CHLORIDE FLAT (Silver City, Silver Flat)	Silver, lead	In irregular bodies in the upper part of the Silurian Fusselman Limestone below the Devonian Percha Shale. The beds are cut by porphyry dikes and sills. (33, 34)
60	Duck Creek Valley	Pumicite, diatomite	Pumicite along the west side of Duck Creek Valley, in rhyolite tuff (?). Diatomite in lacustrine deposits within the Quaternary-Tertiary Gila Conglomerate. (18, 43)
61	EUREKA (Hachita, Hatchita, Little Hatchet Mountains)	Silver, lead, zinc, copper, gold, tungsten, turquoise	Silver, lead, zinc, copper, gold in veins and as bedded and irregular deposits in Paleozoic limestone and Cretaceous rocks, near small intrusive porphyry bodies. Gold in placer deposits. Tungsten in contact-metamorphic deposits. Turquoise in veins in altered trachyte and andesite, and in veins near the contact between trachyte and monzonite porphyry. (33, 34, 43, 50)
62	FIERRO-HANOVER (Central City, Fierro, Hanover, Hanover-Fierro, Hanover Gulch, Ivanhoe)	Zinc, iron, lead, copper, silver, gold	Zinc in veins, pipes, pods, and tabular bodies in the Mississippian Lake Valley Limestone adjacent to a granodiorite stock. Iron, zinc, lead, copper, as replacement deposits around the periphery of Tertiary-Cretaceous granodiorite stocks at or near the contact with Paleozoic and Mesozoic sedimentary rocks. Zinc, lead, copper, silver, gold in faults in the Cretaceous Colorado Shale near the contact with quartz diorite sills, and as replacement deposits in the Mississippian Hanover Limestone and Pennsylvanian Magdalena Limestone near their contacts with quartz diorite sills. (1, 24, 34)
63	FIERRO MANGANESE	Manganese	As lenticular bodies in veins cutting Carboniferous limestone, and as replacement deposits in metamorphosed limestone. (13, 33)
64	FLEMING (Bear Mountain, Camp Fleming, Redrock Canyon, Treasure Mountain)	Silver, fluorspar, manganese	Silver in irregular pockets in the Cretaceous Beartooth quartzite. Fluorspar in fractures and as fissure-fillings in limestone, and as fissure-fillings along the Precambrian (?) granite-, pegmatite contact. Manganese in replacement deposits in Carboniferous limestone. (13, 33, 34, 56)
65	GEORGETOWN (Membres, Mimbres, San Lorenzo)	Silver	In the Silurian Fusselman Limestone below the Percha Shale, and along dikes. (33, 34)
66	GILA FLUORSPAR (Gila, Gila River)	Fluorspar	Fluorspar in faults and fissures in altered Tertiary-Cretaceous trachytic latite, latite porphyry, andesite, andesite porphyry flow breccia, agglomerate, and tuff. (18, 43, 56)
67	GOLD HILL (Camp Bobcat, Langford Hills, Road Canyon, Separ)	Gold, silver, lead, zinc, fluorspar, tungsten	Gold, silver, lead, zinc in quartz veins in Precambrian schist, gneiss, and amphibolite. Fluorspar in stringers and veinlets in a breccia zone in Precambrian granite. Tungsten in narrow quartz veins in Precambrian granite. (1, 18)
68	JUNIPER (Bear Creek, Dorsey, Juniper Hill)	Meerschaum or sepiolite	As nodules or blocks in veins in Tertiary igneous rocks. (43)
69	LONE MOUNTAIN	Silver, lead, manganese, limestone	Silver, lead, in fractures in the Silurian Fusselman Dolomite, and in a fault separating Precambrian granite from Cambrian Bliss Sandstone and Ordovician El Paso Dolomite. Manganese in irregular pods along fracture zones in the Mississippian Lake Valley Limestone. Limestone for copper smelter flux from the Oswalda Limestone Member of the Pennsylvanian Magdalena Group, and from the Tierra Blanca Member of the Mississippian Lake Valley Limestone. (13, 33, 36)
70	MALONE	Gold, silver, bismuth	In quartz veins at the contact between Precambrian granite and Tertiary rhyolite tuffs, perlite, and agglomerate. (18, 50)
71	MEERSCHAUM (Sapillo, Sapillo Creek)	Meerschaum or sepiolite, clay	Meerschaum as nodules or blocks in veins in Tertiary igneous rocks. Kaolin and montmorillonite clay from altered volcanic rock along Copperas Creek. (43, 50)
72	NORTHERN COOKS PEAK (Cooks Peak)	Fluorspar	As fissure-fillings in Precambrian granite and Tertiary (?) andesite, and as replacement deposits in Paleozoic limestone. (43, 50)
73	PINOS ALTOS (Birchville, Pino Alto, Pino Alto Mountains, Pinos Altos Mountains, West Pinos Altos)	Gold, zinc, silver, copper, lead	In fissure veins in granodiorite and diorite porphyry intrusives, and as replacement bodies near dikes in the Pennsylvanian Magdalena Limestone. Gold also in placer deposits in Bear Creek, Rich Gulch, and Santo Domingo Gulch. (33, 34)
74	RICOLITE (Anderson, Ash Creek Prospect Region, Clarks Peak, Richolite, Telegraph)	Ricolite (a banded serpentine), fluorspar, manganese, magnesite	Ricolite in Precambrian granite schist as a steeply dipping tabular body. Fluorspar as fissure-fillings in veins in a fault zone in Precambrian granite. Manganese in a vein along a fault contact between Precambrian (?) granite, and volcanic rocks. Magnesite as replacement deposits in limestone. (13, 43, 56)
75	SANTA RITA (San Juan, Chino)	Copper, molybdenum, gold, silver, antimony, rhenium	Disseminated deposits in altered Tertiary-Cretaceous granodiorite and quartz monzonite porphyry, and altered Late Cretaceous sandstone and shales. Rhenium recovered from molybdenum concentrates. (1, 42, 46, 47, 49, 50)
76	SEVENTY-FOUR MOUNTAIN (Sacaton Mesa)	Fluorspar	In fault zones in latite, latite porphyry, and andesite. (43, 56)
77	SILVER CITY (Boston Hill, Chloride Flat, Silver City Manganese)	Iron, manganese, clay	Iron, manganese from Ordovician and Silurian dolomites near quartz monzonite porphyry dikes and sills. Brick clay from Cretaceous shale beds. (1, 43, 50)
78	STEEPLE ROCK (Black Mountain, Carlisle, Mayflower, Twin Peak Mountain)	Gold, silver, copper, lead, zinc, fluorspar	Gold, silver, copper, lead, zinc in faults and fissure veins in Cretaceous dacite flows and tuffs. Fluorspar in shoots and pods along a fault zone between andesite porphyry and andesite tuff. (18, 19, 50)
79	TELEGRAPH (Anderson, Anderson Camp, Ash Creek (?), Buzzard Canyon, Clark's Peak, Mangas Creek, Mangas Springs, Red Rock, Redrock, Ricolite, Telegraph Camp, Wild Hose Mesa)	Fluorspar, manganese, silver	Fluorspar in fissure veins and shear zones in Precambrian granite. Manganese in fissure veins in the Gila Conglomerate. Silver in veins in Precambrian granite. (18, 50)
	Tyrone (see BURRO MOUNTAINS)		
80	Wallace Perlite Deposit	Perlite	Interbedded with rhyolite flows and tuffs of Late Tertiary age. (18)
81	WHITE SIGNAL (Cow Spring(s), Kithil, Saddle Mountain)	Gold, copper, silver, uranium, fluorspar, bismuth, lead, turquoise	Gold, copper, silver, lead, bismuth, uranium in veins in Precambrian granite. Uranium as secondary deposits along fractures in altered Precambrian granite, and diabase dikes, and as disseminated deposits in altered granite. Gold and bismuth in placer deposits in the Gold Lake area. Turquoise in veins along the contact between a rhyolite plug, and Precambrian granite, and in veinlets and seams in an altered zone in granite, and diorite or monzonite. Fluorspar in a vein in rhyolite. (18, 50, 56)

GUADALUPE COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
82	Anton Chico	Copper	..........(48)
83	PASTURA (Pastina (?), Pintada, Pintada Canyon, Pintados, San Ignacio)	Copper	In sandstone in the Santa Rosa Member of the Triassic Dockum Group. (1)
84	Santa Rosa Deposits	Asphaltic sandstone, stone	Asphaltic sandstone, and building stone from the Triassic Santa Rosa Sandstone. (43)
85	Vaughn Deposits	Gypsum	Gypsum from the Permian San Andres Formation. (52)

HARDING COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
86	Gallegos	Copper	..........(48)
87	Polita No. 2	Uranium	Uranium in the Jurassic Morrison Formation. (50)

HIDALGO COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
88	ANIMAS	Fluorspar	In a fissure-fault vein in andesite and in fissure veins in basalt. (56)
89	ANTELOPE PASS	Clay	Refractory clay deposits in Pennsylvanian rocks. (43, 50)
90	APACHE NO. 2 (Anderson)	Copper, gold, silver, tungsten, bismuth	Oxidized contact-metamorphic deposits in the Comanche and Magdalena Limestones adjacent to a quartz porphyry intrusive. (1, 50)
91	BIG HATCHET MOUNTAINS (Hatchet Mountains)	Lead, silver, gypsum	Lead, silver in limestone replacement deposits. Gypsum in Lower Cretaceous rocks, interbedded with shale, sandstone, and calcarenite, and in Permian rocks interbedded with dolomite. (11, 14, 52)
92	FREMONT	Copper, lead, zinc, gold, silver, bismuth, uranium	Copper, lead, zinc, gold, silver in quartz veins along faults, and as replacement deposits in Pennsylvanian and Cretaceous limestones cut by granite porphyry and lamprophyre intrusives. Bismuth with lead and silver as replacement deposits and in veins in limestones. Uranium in a silicified zone in Cretaceous limestone. (1, 50)
	GOLD HILL (see Grant Co.)		
93	LORDSBURG (Grant, Leidendorf, Leidendorf Camp, Leitendorf Camp, Pyramid, Pyramid Mountain(s), Ralston, Shakespeare, Shakespere, Valdeon, Virginia)	Copper, silver, lead, gold, zinc, perlite, pumice, fluorspar	Copper, silver, lead, gold, zinc in veins along shear zones in Cretaceous granodiorite stock and in veins in Cretaceous basalt. Perlite interbedded with Tertiary welded felsite breccia, and flow-banded rhyolite. Fluorspar in fissure veins in Tertiary pyroxene andesite, and in fissure veins in Cretaceous basalt. Pumice, ...(15, 28, 50)
94	RED HILL (Gillespie)	Lead, silver, gold, copper	In Tertiary volcanics. (33)
95	SAN SIMON (California, Granite Gap, Peloncillo Mountains, Simon)	Silver, lead, copper, zinc, arsenic, antimony	In replacement deposits in the Pennsylvanian Horquilla Limestone above and below a Tertiary-Cretaceous quartz monzonite sill; and along an andesite or latite dike; along a fault near a latite porphyry dike. (17, 50)
96	STEINS PASS (Kimball, Peloncillo Mountains, Stein's, Steins Peak)	Silver, gold, lead, copper	In silicified breccia zones in rhyolite, diorite porphyry and monzonite porphyry. (33)
97	SYLVANITE (Hachita, Hatchita, Little Hatchet Mountains)	Lead, silver, zinc, copper, antimony, arsenic, gold, calcite	In quartz veins in quartz monzonite and in the Pennsylvanian Magdalena Limestone adjacent to the quartz monzonite. Gold also in placer deposits in gulches on the west side of the Little Hatchet Mountains. Calcite in rhombic crystals up to 4 inches in size. (1, 43, 50, 53)

LEA COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
98	Monument	Clay	Clay for drilling mud in Tertiary (?) gypsiferous clay beds. (43, 50)

LINCOLN COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
99	CAPITAN (Capitan Mountain, El Capitan)	Iron, thorium	Iron in limestone replacement deposits in the Permian San Andres Formation, associated with an aplitic intrusive. Thorium in breccia veins in alaskite. (20, 24)
	Capitan Coal Field (see SIERRA BLANCA COAL FIELD)		
100	ESTEY (Oscura, Oscura Mountain(s), Oscuro, Sierra Oscura)	Copper	In arkose, argillaceous siltstone, and limestone in the Permian Bursum Formation, and with conglomeratic channel deposits in the Permian Abo Formation. (2)
101	GALLINAS MOUNTAINS (Corona, Gallinas, Iron Mountain, Red Cloud)	Iron, lead, copper, silver, fluorspar, rare-earth minerals	Iron in Permian limestone near the contact with Tertiary syenite intrusive. Lead, copper, silver, fluorspar, and rare-earth minerals in brecciated or highly fractured zones in the Permian Yeso Formation. Fluorspar as a replacement deposit in a trachyte dike and adjacent brecciated quartzitic sandstone. (20, 50)
102	JICARILLA (Ancho)	Gold, iron, gypsum	Gold in placer deposits in Ancho, Warner, Spring, and Rico Gulches. Gold along fractures and disseminated in Tertiary monzonite and monzonite porphyry intrusive. Iron as pyrometasomatic replacement deposits in limestone surrounding a monzonite and monzonite porphyry intrusive. Gypsum interbedded with limestone, shale, and clay in the Permian Yeso, San Andres, and Chalk Bluff Formations. (20)
103	NOGAL (Alto, Bonita, Bonito, Cedar Creek, Church Mountain, Eagle Creek, Parsons, Rio Ruidoso, Schelerville, Schulerville, Sierra Blanca, Vera Cruz, West Bonito White Mountain)	Silver, lead, zinc, gold, copper, molybdenum	Silver, lead, zinc, gold, copper in fissure veins in monzonite porphyry and andesite, and in altered breccia zones. Molybdenum disseminated and in veinlets in altered monzonite. (20)
104	Phillips Hills	Gypsum	Interbedded with limestone of the Manzano Group. (43)
	SIERRA BLANCA COAL FIELD (Capitan Coal, Carrizozo Coal, Fort Stanton Coal, White Oaks Coal)	Coal - bituminous	In thin beds in the Cretaceous Mesaverde Group. (20, 50)
105	TECOLOTE IRON (Tecolote, Tecolote Hills)	Iron	Limestone replacement deposits in the Permian San Andres, and Yeso Formations near syenite, monzonite and diorite intrusives. (20)
106	WHITE OAKS (Baxter Mountain, Lone Mountain, White Oaks Canyon, Whiteoaks)	Gold, iron, tungsten	Gold in stringers and lodes in Cretaceous shale, Tertiary monzonite and syenite stock, and lamprophyre dikes. Gold in placer deposits in Baxter and White Oaks Gulches. Iron as pyrometasomatic replacement deposits in Permian limestones adjacent to a Tertiary monzonite and syenite stock. Tungsten associated with gold lode deposits. (1, 7, 20)

LUNA COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
107	CARRIZALILLO (Carrizalillo-Cedar, Carrizalillo Hills, Cedar Mountains, Cedar Range, Stonewall)	Copper, gold, perlite (?), manganese (?)	Copper in a fracture zone in rhyolite, in veins in latite, and in a breccia zone in andesite. Gold in quartz veins in rhyolite welded tuff and breccia. (21)
108	COOKS PEAK (Cook's Peak, Cooks, Graphic, Hadley, Jose, Old Hadley)	Lead, zinc, silver, copper, manganese	Lead, zinc, silver in replacement deposits in the upper silicified Silurian Fusselman Limestone, below the Devonian Percha Shale, and near a granodiorite porphyry intrusive. Copper, lead, zinc, silver in veins in Tertiary pyroxene andesite. Manganese in veins in latite (?) breccia, tuff, and agglomerate. (21, 30, 34)
109	COOKS RANGE MANGANESE (Cook's Range, Deming)	Manganese	In veins and replacement deposits in andesite, and as a cementing material in andesite breccia. (1)
110	Deming	Stone	Building stone from the Cretaceous Sarten Sandstone. (43)
111	FLORIDA MOUNTAINS (Florida, Florida Mountain)	Lead, zinc, copper, silver, gold, manganese, stone	Lead, zinc, copper, silver, gold as replacement deposits and in veins in the Silurian Fusselman (?) Dolomite; in veins in dolomite in the Ordovician El Paso Group; in veins in Precambrian granite, gabbro, and diorite; in veins in Tertiary agglomerate. Manganese as replacement deposits in limestone. Stone for building stone from tuff. (1, 21, 43)
112	FLUORITE RIDGE (Deming, Mirage)	Fluorspar	In fissure veins in Tertiary granodiorite porphyry. (21, 43, 50)
	FREMONT (see Hidalgo Co.)		
113	LITTLE FLORIDA MOUNTAINS (Deming, Little Florida, Manganese Valley)	Manganese, fluorspar, clay	Manganese and fluorspar in veins in Tertiary agglomerate, and Quaternary-Tertiary Gila (?) conglomerate. Clay, mainly kaolinite, associated with igneous rocks. (21, 43, 50, 56)
114	TRES HERMANAS (Cincinnati, Mahoney)	Zinc, lead, copper, silver, gold, travertine	Zinc, lead, copper, silver, gold as replacement deposits and in veins in the Silurian Fusselman Limestone, in Tertiary latite flows and breccia, and Tertiary quartz monzonite stock, and as disseminated deposits in the quartz monzonite stock. Travertine or "Mexican onyx" in veins in Tertiary latite. (21, 43)
115	VICTORIA (Gage, Middle Hills)	Lead, silver, gold, zinc, copper, tungsten, perlite	Lead, silver, gold, zinc, copper in replacement vein deposits in the Silurian Fusselman Limestone. Tungsten in quartz veins and tactite zones in the Montoya and El Paso Limestones near alkalic granite porphyry intrusives. Perlite associated with lithoidal rhyolite. (21, 50, 56)

MCKINLEY COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
116	AMBROSIA LAKE (Ambrosia, Grant(s), Grants Uranium, Haystack, Haystack Mountain, Mount Taylor, Poison Canyon Area, Prewitt Red Bluff Claims Area, San Mateo Uranium Area)	Uranium, vanadium, perlite, pumice, limestone	Uranium, vanadium in sandstone in the Jurassic Morrison Formation, mainly in the Westwater Canyon Member, and less abundantly in the Brushy Basin Member; also in limestone in the Jurassic Todilto Limestone, and in the Cretaceous Dakota Sandstone. Perlite associated with Pliocene pumiceous tuff, felsitic rhyolite, and obsidian in East Grants Ridge northeast of Grants. Pumice in pumiceous tuffs in East Grants Ridge, northeast of Grants. Limestone from the Jurassic Todilto Limestone (?) for crushed stone, at Bluewater. (Lowell S. Hilpert, oral commun., 1971; 26, 43, 50)
	Chuska (see San Juan Co.)		
117	GALLUP (Allison, Church Rock, Clarksville, Clarkville, Defiance, Fort Wingate, Gallup Coal Field, Gamerco, Gibson, Hogback, McKinley, Weaver)	Coal, uranium, vanadium, clay, stone, asphaltic sandstone	Coal in the Gallup Sandstone, in the Dilco and Gibson Coal Members of the Crevasse Canyon Formation, and in the Cleary Coal Member of the Menefee Formation, all in the Cretaceous Mesaverde Group. Uranium, vanadium in sandstone in the Jurassic Morrison Formation, mainly in the Westwater Canyon Member and Brushy Basin Member; in carbonaceous shale at the base of the Cretaceous Dakota Sandstone. Clay from shales in the Cretaceous Mancos and Lewis Formations, and the Mesaverde Group; from alluvial beds and unconsolidated Tertiary shales. Stone from sandstone beds in the Gallup Sandstone Member of the Mesaverde Group, and from the Triassic Wingate Sandstone. Asphaltic sandstone from the Cretaceous Dakota Sandstone. (Lowell S. Hilpert, oral commun., 1971; 26, 39, 43, 50)
	LA VENTANA - CHACRA MESA COAL FIELD (see Sandoval Co.)		
118	McKinley Mine	Coal - subbituminous	Coal in the Cleary and Gibson Coal Members of the Menefee and Crevasse Canyon Formations, in the Cretaceous Mesaverde Group. (39, 50)
	MOUNT TAYLOR COAL FIELD (San Mateo Coal Field)	Coal - subbituminous	Coal in the Dilco and Gibson Coal Members of the Crevasse Canyon Formation, and the Cleary Coal Member of the Menefee Formation, all in the Cretaceous Mesaverde Group. (50)
	SAN JUAN COAL FIELD (See San Juan Co.)		
	Smith Lake (see AMBROSIA LAKE)		
119	Sundance Mine	Coal - subbituminous	..........(40)
120	WINDOW ROCK	Manganese	..........(48)
	ZUNI COAL FIELD (see Valencia Co.)		

MORA COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
121	COYOTE CREEK (Cayote, Coyote, Quadelupita, Mora)	Copper, uranium	Copper in isolated lenses in carbonaceous shale, siltstone, and limestone or sandstone in the Pennsylvanian-Permian Sangre de Cristo Formation. Uranium in small pockets in fluviatile arkosic sandstone beds in the Sangre de Cristo Formation. (45)
122	MORA	Gold	Placer gold from terraces of the Mora River Valley. (23)
123	ROCIADA (Hadley, San Carlos, Upper Rociada)	Copper, gold, silver, lead, zinc, lithium, tantalum, beryllium	Copper, gold, silver, lead, zinc in quartz veins in Precambrian gneiss and schist. Copper disseminated in basal Carboniferous grit. Lithium, tantalum, beryllium in pegmatites in Precambrian gneiss and schist.(1)

OTERO COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
124	GUADALUPE MOUNTAINS	Gold, copper	..........(14)
125	OROGRANDE (Brice, Jarilla, Jarilla Mountains, Oro Grande, Silver Hill)	Copper, gold, lead, silver, iron, tungsten, turquoise	Copper, gold, lead, silver, iron, tungsten as contact-metamorphic deposits in Pennsylvanian limestone and in quartz veins near a fine-grained monzonite porphyry intrusive. Gold from placer deposits on the southeastern slope of the Jarilla Hills. Turquoise in veins and nodules in altered monzonite porphyry. (1, 32, 43)
126	SACRAMENTO (Alamogordo, High Rolls, Red Hill, Ricon-Sacramento)	Lead, copper, silver, gold, limestone, clay	Lead, copper, silver, gold in disseminated deposits in arkose and grit of the Permian Abo Formation. Limestone for building and ornamental stone from the Mississippian Lake Valley Limestone. Pottery clay from a shale bed in the Pennsylvanian Magdalena Limestone. (29, 43, 50)
127	THREE RIVERS	Iron	With calcite and barite in a zone 700 feet long and 20 feet wide (in the Permian San Andres Formation ?). (8, 24)
128	TULAROSA (Bent, Rio Tularosa)	Copper, gold, silver	Copper, gold, silver disseminated in sandstone beds of the Permian Yeso Formation, and in veins in the Yeso Formation and intrusive diorite porphyry. (1)
129	White Sands (exclusive of the White Sands National Monument)	Gypsum	Gypsum in Quaternary dune sand deposits. (43, 52)

QUAY COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
130	Logan	Copper	..........(48)
131	Norton	Copper	..........(48)

RIO ARRIBA COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
132	ABIQUIU (Cobre Basin, Cobre Canyon, Copper Canyon)	Copper	Copper disseminated in sandstone. (1)
133	Abiquiu Stone	Stone	Flagstone from thin sandstone beds of the Triassic Lower Chinle Formation. Building stone from welded tuff of the Pleistocene Bandelier Tuff. (6)
134	BROMIDE NO. 2 (Bromide, Headstone, Tusas Mountain)	Gold, silver, copper, lead, zinc	As replacement deposits in Precambrian schist and gneiss, and in Precambrian pyritiferous quartz veins. (6)
135	CHAMA PLACERS (Rio Chama Placers Region)	Gold, monazite	..........(14)
136	Cullum Mine	Pumice	In lapilli tuff at the base of the Pleistocene Bandelier Tuff. (6)
137	EL RITO (El Rito Placer)	Fluorspar	In crusts, pods, and veinlets in brecciated and altered basalt flows in the Tertiary Santa Fe Formation. (6)
138	Espanola	Diatomite (diatomaceous earth)	As a lens deposit interlayered with siltstone of the Tertiary Santa Fe Formation. (6, 50)
139	GALLINA (Coyote, Gallina Prospect Region, Jarosa, Jarossa, Mesa Alta Mining Mountain, Youngsville)	Copper, silver, clay, gypsum, uranium	Copper, silver disseminated in sandstone of the Permian Cutler Formation, and in conglomerate of the Triassic Chinle Formation. Clay - kaolinite at the contact between the Cretaceous Dakota Sandstone and the Jurassic Morrison Formation; pottery clay from kaolin altered from volcanic rock. Gypsum from the Jurassic Todilto Formation. Uranium from the Todilto Limestone. (6, 43, 50)
140	HOPEWELL (Eureka, Good Hope, Headstone, Tres Piedras)	Gold, silver, copper, lead, zinc, bentonite	Gold, silver, copper, lead, zinc in replacement veins in Precambrian schist and gneiss. Gold in quartz veins in Precambrian granite. Gold also as placer deposits along Placer Creek. Bentonite from the alteration of volcanic ash in the Tertiary Santa Fe Formation. (6, 43)
	MONERO COAL FIELD (Lumberton, Monero)	Coal - subbituminous to bituminous	Cleary Coal Member of the Menefee Formation in the Cretaceous Mesaverde Group. (50)
	NAMBE (see Santa Fe Co.)		
141	OJO CALIENTE NO. 1 (Ojo Caliente)	Mica	Mica from pegmatites in Precambrian gneissic granite. (6, 43, 50)
142	PETACA (Alamos, Cribbensville, Cribbenville, La Madera, Las Tablas, Ojo Caliente, Paloma Canyon Prospect, Servilleta, Tres Piedras, Vallecitos)	Mica, columbite-tantalite, beryl, samarskite, monazite, quartz, feldspar, kyanite, fluorspar	In pegmatite dikes, sills, pipes in Precambrian quartz-mica schists, granitic gneiss, and amphibolite. Kyanite in pods lenses, and veins in Precambrian kyanite schist, sericite schist, and quartzite. Fluorspar as crusts, veinlets, and irregular bodies in brecciated and altered fault zones in granite, siltstone, and sandstone of the Tertiary Santa Fe Formation. (6, 43, 50)
143	Rio Ojo Caliente	Sand and gravel	Quaternary alluvium and terrace gravel deposits, and in the Tertiary Santa Fe Formation. (6)
144	Velarde	Bentonite	From the alteration of volcanic ash in the Tertiary Santa Fe Formation. (6, 43)

SANDOVAL COUNTY

No.	Mining District or Mineral Deposit	Principal Metals, Non-metals, or Rock Products	Description
145	Big Chief Mine	Pumice	In pumiceous lapilli tuff in Pleistocene rhyolite tuff. (12)
146	COCHITI (Albermarle, Bland, Peralta Canyon)	Gold, silver, lead, copper, perlite	In quartz veins in Tertiary-Cretaceous monzonite stock. Perlite from pumiceous and welded rhyolite tuff beds of the Pleistocene Bandelier Formation. (12)
147	Collins	Uranium	Uranium from the Jurassic Morrison Formation. (50)
	Cuba (see NACIMIENTO MOUNTAINS)		
148	CUBA MANGANESE	Manganese	In concretionary nodules in flat-lying sandy shale lenses of the Eocene San Jose Formation. (12, 13)
	HAGAN COAL (Hagen, Hogan, Una del Gato)	Coal, high-quality bituminous	From the Cretaceous Mesaverde Group. (12, 50)
149	JEMEZ SPRINGS (Jemas, Jemes, Jemez Mountain, Jemez Plateau, Jemez Pueblo, Spanish Queen, Spanish Queen mine)	Copper	In arkosic sandstone and shale in the Permian Abo Formation. (12)
150	JEMEZ SULFUR (Jemas, Jemes, Jemez, Otero Sulphur Springs, San Diego Sulphur, Sulfur Springs, Sulphur Springs)	Sulfur	Sulfur deposited from Pleistocene to Recent solfatara, hot springs, and fumaroles; also as a lining in vents in rhyolite. (12, 43, 50, 54)
	LAGUNA (see LAGUNA, Valencia Co.)		
151	La Ventana	Uranium	Uranium in lenticular beds of coal and carbonaceous shale at the base of the La Ventana Tongue of the Cliff House Sandstone in the Cretaceous Mesaverde Group; also, in a peat bed in the Cretaceous Dakota Sandstone. (12)

SANDOVAL COUNTY (con't.)

No.	Mining District or Mineral Deposit	Principal Metals Non-metals, or Rock Products	Description
	LA VENTANA - CHACRA MESA COAL FIELD (La Ventana Mesa)	Coal - subbituminous	Coal from the Cleary Coal Member and Allison Member of the Menefee Formation in the Cretaceous Mesaverde Group, and from the Cretaceous Fruitland Formation. (50)
152	NACIMIENTO MOUNTAINS (Copper City, Cuba, Eureka mine, Nacimiento, Nacimiento, San Francesca, San Miguel, San Miguel mine, Senorita, Senorito, Sierra Nacimiento)	Copper, silver, gypsum, uranium, vanadium	Copper, silver disseminated in sandstone and conglomerate in the Agua Zarca Sandstone Member of the Triassic Chinle Formation. Gypsum in the Jurassic Todilto Formation. Uranium, vanadium from a carbonaceous shale, or peat, at the base of the Cretaceous Dakota Sandstone. (6, 12, 26, 43)
153	Ojo del Espiritu Santo Grant Deposits	Gypsum	Gypsum from the gypsum member of the Jurassic Todilto Formation. (41, 52)
154	PLACITAS (Algodones, Bernalillo, Capulin Peak, Juan Tabo, La Luz, La Luz mine, La Madera, Las Placitas, Montezuma, Sandia, Sandia Mountains, Sandia - North Manzano Prospect Region, Sandia No. 1)	Lead, copper, gypsum, fluorspar	Lead, copper along the contact between Precambrian and Mississippian-Pennsylvanian rocks. Gypsum from the Jurassic Todilto Formation. Fluorspar in a fault fissure in the Pennsylvanian Magdalena Limestone. (12, 43, 50)
155	PONDEROSA	Pumice	From the basal pumiceous lapilli tuff member of the Pleistocene Bandelier Tuff. (10)
156	Pyramid Mine	Pumice	From the basal pumiceous lapilli tuff member of the Pleistocene Bandelier Tuff. (10)
	RIO PUERCO COAL FIELD (see Bernalillo Co.)		
157	Santa Ana Pueblo	Sand	Roofing sand from Quaternary sand and gravel deposits. (12)
158	WHITE MESA (San Ysidro)	Gypsum	From the gypsum member of the Jurassic Todilto Formation. (12, 50, 52)

SAN JUAN COUNTY

No.	Mining District or Mineral Deposit	Principal Metals Non-metals, or Rock Products	Description
159	Aztec	Clay	Clay for brick and tile from the Cretaceous Mancos Shale. (43, 50)
160	CHUSKA	Uranium, vanadium	Deposits in sandstone in the Recapture and Salt Wash Members of the Jurassic Morrison Formation. (Lowell S. Hilpert, oral commun., 1971; 26)
161	Farmington	Mineral paint (ocher), clay	Mineral paint in sandstone and conglomerate in the Farmington Sandstone Member of the Upper Cretaceous Kirtland Shale. Clay for brick and tile from the Cretaceous Mancos Shale.
162	Flora Vista	Clay	Clay for brick and tile from the Cretaceous Mancos Shale. (43, 50)
163	FRUITLAND (Fruitland-Hogback Coal Field, Fruitland-Hogback, Kirtland (?), Navajo Mine)	Coal - bituminous and subbituminous, clay	Coal in the Menefee Formation of the Cretaceous Mesaverde Group, and in the Cretaceous Fruitland Formation. Clay for brick and tile from the Cretaceous Mancos Shale. (Joel N. Van Sant, oral commun., 1971; 43, 50)
	Navajo Mine (see FRUITLAND)		
164	Neff Mine	Coal	..........(39)
	SAN JUAN COAL FIELD (see FRUITLAND, GALLUP, LA VENTURA-CHACRA MESA, MONERO, MOUNT TAYLOR, THATCHER (HOGBACK) and ZUNI COAL FIELDS)		
165	SHIPROCK (Beautiful Mountain, Carrizo, Carrizo Mountain, Carrizozo Mountains, Chuska, Cortez, King Tut(t), King Tut(t) Mesa, Navajo Reservation, Oak, Oak Springs, Redrock, Sanastee, Sanostee)	Uranium, vanadium	In sandstone in the Salt Wash Member of the Jurassic Morrison Formation. (1, 26)
166	Shiprock Clay	Clay	Clay for brick and tile from the Cretaceous Mancos
167	THATCHER (HOGBACK) (Hogback, Hogback Field, Hogback No. 13)	Coal	Coal in the Menefee Formation of the Cretaceous Mesaverde Group, and in the Cretaceous Fruitland Formation. (42, 50)
	WINDOW ROCK (see McKinley Co.)		

SAN MIGUEL COUNTY

No.	Mining District or Mineral Deposit	Principal Metals Non-metals, or Rock Products	Description
168	ELK MOUNTAIN (Bull Creek, Cow Creek, Elk Creek, Las Vegas, Rio de la Vaca)	Mica, rare-earth minerals	In pegmatites in Precambrian metasedimentary and metavolcanic rocks. (44)
169	EL PORVENIR (Hermit Mountain, Mineral Hill, Porvenir)	Molybdenum, copper	In scattered pockets and blebs in Precambrian (?) rocks. (1)
170	Las Vegas	Limestone, clay, stone	Limestone for crushed stone, construction, and chemical use from Late Paleozoic deposits. Brick clay from the Cretaceous Benton Shale. Stone for flagstone and building stone from sandstone deposits.(43, 50)
	ROCIADA (see Mora Co.)		
171	TECOLOTE (Las Vegas, Las Vegas Mines, Mineral Hill (?), Ribera, Ribera Copper Prospects, Rivera, Salitre, San Miguel, San Pablo, Selitre)	Copper	Disseminated deposits in beds of arkosic sandstone of Pennsylvanian and Permian age. (1)
172	Trujillo	Clay	..........(48)
173	WILLOW CREEK (Cooper, Cowles, Hamilton, Pecos, Pecos River, Tererro, Valley Ranch)	Zinc, lead, copper, gold, silver	In a shear zone in Precambrian diabase. (1, 34)

SANTA FE COUNTY

No.	Mining District or Mineral Deposit	Principal Metals Non-metals, or Rock Products	Description
174	ASPEN MOUNTAIN (Aspen Ranch)	Gold, silver, copper, manganese, lead, zinc	..........(14)
175	CERRILLOS (Bonanza City, Carbonateville, Cerillos, Galisteo Creek, Hungry Gulch, Los Cerrillos, Los Cersillos, Mount Chalchihuitl, Turquesa, Turquois (e), Turquoise City, Turquoise Hill)	Turquoise, zinc, lead, silver, copper, gold, clay	Turquoise in narrow veinlets, stringers, and nodules in altered monzonite porphyry, and altered augite latite. Zinc, lead, silver, copper, gold in veins in Tertiary Oligocene (?) monzonite intrusives. Copper disseminated in a monzonite porphyry stock. Clay, for brick and tile, from the Cretaceous Mancos Shale. (10, 12, 43)
	CERRILLOS COAL FIELD	Coal - anthracite and bituminous	Anthracite from the White Ash Bed of the Cretaceous Mesaverde Group. Bituminous from the Miller Gulch, Cook and White, and the White Ash Beds of the Cretaceous Mesaverde Group. (12, 50)
176	GLORIETA (Glorieta, Glorieta Mesa, Glorietta, Mailleuchet (?) Mesa)	Iron, copper, mineral paint (ocher)	Iron and mineral paint (ocher) as a soft, limonite lens partly replacing clastic rocks in the Permian San Andres Formation. Copper disseminated in Pennsylvanian arkose and limestone beds. (12, 43)
177	LA BAJADA (Cerrillos)	Uranium, vanadium, copper	Uranium, vanadium in podlike zones in the Oligocene (?)-Miocene (?) of Stearns along the brecciated footwall of a limburgite dike, and in a network of thin sulfide veinlets in the dike. Uranium, copper in a fault cutting Miocene (?) Cieneguilla Limburgite and Miocene Bishop's Lodge Member of the Tesuque Formation in the Santa Fe Group. Copper along a rhyolite-limestone contact. (12, 26, 50)
178	LA CIENEGA	Scoria, manganese	Scoria from Quaternary cinder cones. Manganese along fractures and breccia zones in volcanic rocks. (8, 13, 14)
179	Lamy	Stone, clay, gypsum	Building stone from the Glorieta Sandstone. Clay, gypsum, ...(43, 48)
180	NAMBE (Chimayo, Cordova, Santa Fe Mountains, Truchas)	Mica	At the contacts of Precambrian granite pegmatites and mica schists, and in small, irregular, albite-quartz,muscovite replacement veins. (12)
181	NEW PLACERS (Alamillo, Carnahan, Golden, Golden Placers, Lazarus Gulch, San Isidro (?), Placer Mountains, San Isidro Placers, San Pedro, San Pedro Mountain, San Ysidro, San Ysidro Mountains, San Zaro, Silver Butte (s), Tuerto Mountain (s), Tuertos Range)	Copper, silver, gold, lead, zinc, manganese, tungsten	Copper, silver, gold, tungsten in pyrometasomatic deposits in the Pennsylvanian Madera Limestone overlying a monzonite porphyry laccolith. Lead, zinc in veins and replacement deposits in the Pennsylvanian Madera Limestone. Gold in placer deposits in unconsolidated gravels of the Santa Fe Group. Manganese as irregular replacement deposits in limestone. (12, 13)
182	OLD PLACERS (Cunningham Gulch, Dolores, El Real de Dolores, Lone Mountain, Ortiz, Ortiz Mountains, Rio Galisteo, San Lazaro (?), San Zaro (?), Sierra del Oro, Silver Butte (s))	Gold, tungsten, copper	Gold in placer deposits in Cunningham Gulch and Dolores Gulch; in quartz fissure veins and stringers in the brecciated margins of a Tertiary trachyte-latite vent. Gold, tungsten disseminated in the brecciated margins of a Tertiary trachyte-latite vent. Copper, gold, tungsten disseminated in garnet tactite in the Cretaceous Greenhorn Limestone and adjacent shale beds of the Mancos Shale. (7, 12)
183	Rosario	Gypsum, clay	Gypsum from the gypsum member of the Jurassic Todilto Formation. Brick clay from the Cretaceous Mancos Shale. (12, 43, 50)
184	SANTA FE (Dalton-Macho, Mailleuchet (?), Mikado, Montezuma, Penacho Peak Prospects, Santa Fe Mountains, Tenacho)	Copper, silver, gold, clay, limestone	Copper, silver in fissures in Precambrian aplitic gneiss, and in schist. Gold in placer deposits in the Santa Fe river. Brick clay from shale in the Pennsylvanian Madera Formation. Limestone from Carboniferous limestone. (1, 12)
185	Santa Fe City	Sand and gravel, clay, limestone	Sand and gravel from the Quaternary-Tertiary Santa Fe Formation. Brick clay from shale in the Pennsylvanian Magdalena Group. Limestone from Pennsylvanian Magdalena Limestone. (12, 43, 50)
186	SANTA FE MANGANESE	Manganese	In nodules and irregular pockets along bedding planes in Pennsylvanian shale. (12)

SIERRA COUNTY

No.	Mining District or Mineral Deposit	Principal Metals Non-metals, or Rock Products	Description
187	BEARDEN CANYON (Rhodes Canyon, San Andreas Mountains, San Andres Mountains)	Barite, copper, lead, zinc	..........(14)
188	CABALLO MOUNTAINS (Caballo, Cutter-Engle Area (?), Humbolt Lead, Las Palomas, Palomas Gap, Pittsburg (separate district), Sierra Caballo (s))	Fluorspar, lead, vanadium, copper, molybdenum, gypsum, manganese	Fluorspar in veins in the Pennsylvanian Magdalena and Permian San Andres Limestones, and as fissure-fillings in Precambrian granite gneiss. Lead, vanadium in veins in the Cambrian Bliss Sandstone. Copper, in veins in the Cambrian Bliss Sandstone and Ordovician El Paso Limestone. Lead, vanadium, molybdenum, copper in veins in the Magdalena Limestone. Gypsum from the Permian Yeso Formation. Manganese along fracture zones in the Ordovician El Paso Limestone. Deposits probably related to a Tertiary monzonite porphyry intrusive. (13, 22, 43, 50, 52)
189	CHLORIDE (Apache, Apache No. 1, Apache Gulch, Bear Creek, Black Range, Black Range No. 1, Camp Kingsbury, Chloride Gulch, Dry Creek, Fairview, Fluorine, Grafton, Hagan's Peak, Mineral Creek, Monument Creek, Phillipsburg, Robinson, Roundyville, Silver Monument, Silver Mount (?), Sullivan's Hole, Turkey Creek)	Gold, silver, copper	In veins in andesite and rhyolite flows overlying a monzonite porphyry intrusive. (22)
190	CUCHILLO NEGRO (Cuchilla Negro, Cuchillo, Limestone (?), Sierra Cuchillo)	Lead, zinc, copper, iron	Lead, zinc, copper in contact-metamorphic and replacement deposits along the Pennsylvanian Magdalena Limestone-monzonite porphyry contact. Iron in contact-metamorphic deposits in the Magdalena Limestone adjacent to a monzonite porphyry sill. (22)
191	DERRY (Derry Manganese, Red Hills)	Manganese, fluorspar	Manganese in fissures in limestone along the crest and limbs of a northward-trending anticline. Fluorspar in fissures and fractures in limestone. (1, 43, 56)
	Engle Coal Field	Coal - subbituminous	Cretaceous Mesaverde Group. (50)
192	FRA CRISTOBAL (Cristobal, Fra Cristobal Range, San Cristobal Mountains, San Cristobal, San Cristobal Mountains)	Guano	Guano deposits in limestone caves. (22)
193	GOODFORTUNE CREEK (Good Fortune, San Andreas Mountains, San Andres Mountains)	Copper	In faults and fissure veins at the contact between Precambrian granite and Cambrian quartzite. (32)
194	GRANDVIEW CANYON (San Andreas Mountains, San Andres Mountains)	Bismuth, tungsten	In pockets in quartz lenses along a Precambrian granite-schist contact. (32, 50)
195	HERMOSA (Black Range, Palomas, Palomas Camp)	Silver, lead, copper, zinc	In vertical tabular shoots and pods along minor faults and shear zones, and in horizontal or gently inclined stringers, pods, and disseminated deposits in the Silurian Fusselman Dolomite, below calcareous shale beds of the Devonian Onate Formation, and Percha Shale. (22, 27)
196	HILLSBORO (Copper Flat, Hillsborough, Las Animas, Wicks Gulch)	Gold, silver, copper, lead, vanadium, iron, manganese, molybdenum	Gold, copper, silver, molybdenum in quartz veins or shear zones in Tertiary Oligocene andesite overlying a monzonite porphyry intrusive. Lead, vanadium, iron, molybdenum, iron, manganese in bedded deposits in the Silurian Fusselman Limestone below the Devonian Percha Shale. Copper disseminated in and along sericitized monzonite porphyry. (22)
197	HOT SPRINGS (Iron Reef, Mud Springs, Sierra Cuchillo, T or C, Williamsburg)	Silver, copper, manganese	Silver, copper in a vein in the basal part of the Cambrian Bliss Quartzite and the overlying Ordovician El Paso Limestone. Manganese as cementing material in sandstone beds of the Quaternary-Tertiary Santa Fe Group. (1, 13, 22)
198	IRON MOUNTAIN NO. 2 (Iron Mountain, Limestone (?), Sierra Cuchillo)	Iron	Contact-metamorphic deposits in the Pennsylvanian Magdalena Limestone associated with underlying Tertiary monzonite, granite, and rhyolite porphyry intrusives. (22, 31, 43)
199	KINGSTON (Black Range, Black Range No. 2, Ladron Gulch Camp, Lady Franklin Camp, Middle Percha Camp, North Percha Creek Camp, Percha Camp, Perche Camp, Perche (?), South Perche Creek (?))	Silver, lead, zinc, manganese, zinc, gold	In pockets, pipes, and bedded replacement deposits in the Ordovician Montoya and Silurian Fusselman Limestones. Silver in the Devonian Percha Shale, and overlying a monzonite porphyry intrusive. (22)

SIERRA COUNTY (con't.)

No.	Mining District or Mineral Deposit	Principal Metals Non-metals, or Rock Products	Description
200	LAKE VALLEY	Silver, manganese, lead, perlite	Silver, manganese, lead as bedded replacement deposits in the Mississippian Lake Valley Limestone, below an overlying shale bed, and near a monzonite porphyry intrusive. Manganese in faults and fissures in the Lake Valley Limestone. Perlite associated with felsitic rhyolite and rhyolite tuffs and breccias. (13, 22, 30, 50)
201	LAS ANIMAS PLACER (Animas, Animas Placer, Gold Dust, Hillsboro, Las Animas, Los Animas)	Gold	Placer deposits in an alluvial fan dissected by the Dutch, Grayback, Hunkidori, and Greenhorn Gulch drainages. (22)
202	LAVA GAP (Hays Gap, Red Canyon (?), Thoroughgood Canyon)	Fluorspar, barite	As a vein filling in cherty, fossiliferous Pennsylvanian limestone. (43, 55)
203	MACHO	Lead, silver, gold, zinc, vanadium	In veins in Tertiary pyroxene andesites. (30)
204	Percha Canyon	Pumicite	..........(43)
205	PITTSBURG (Apache Canyon Placers, Las Palomas, Pittsburg, Shandon, Shandon Placers)	Gold, (copper, silver, manganese ?), fluorspar	Gold placer deposits from gravels in Trujillo Gulch and Apache Gulch areas. Fluorspar in veins in Precambrian granite, schist, and gneiss. (22, 56)
206	SALINAS PEAK (Pitt, Pitt Camp, Salinas, San Andreas Mountains, San Andres Mountains)	Copper, lead	Along a fault contact between the Pennsylvanian Magdalena Limestone and a porphyry intrusive. (1)
207	SAN MATEO MOUNTAINS (Goldsboro, Goldsborough, Monticello, Quartz Hill, Quartz Mountain(s), San Mateo)	Gold, silver, copper, lead, zinc, uranium	Gold silver, lead, zinc in veins and shear zones in Tertiary rhyolite. Copper in andesite breccia. Uranium in a brecciated body of chert and limestone (Pennsylvanian Madera Limestone) enclosed in Tertiary andesite. (1, 22, 50)
208	SULPHUR CANYON (San Andreas Mountains, San Andres Mountains)	Copper	In a lens in Precambrian sericite schist. (32)
	TAYLOR CREEK (see Catron Co.)		
209	TIERRA BLANCA (Bromide, Bromide No. 1, Gray Eagle, Grey Eagle, Pierce Canyon, South Percha, South Percha Camp, South Percha Creek)	Silver, gold, lead, copper, tellurium	Silver, lead, copper in pockets and pipes in the Mississippian Lake Valley Limestone, underlying shale beds. Gold, silver, tellurium in the upper silicified part of the Silurian Fusselman Limestone, and in veins along the contact of limestone with rhyolite dikes and sills. (22)

SOCORRO COUNTY

No.	Mining District or Mineral Deposit	Principal Metals Non-metals, or Rock Products	Description
210	ABBEY (Bear Mountain, Bear Springs (?))	Barite, lead, uranium	..........(14)
211	Agua Torres	Uranium	Uranium in fracture fillings in silicious limestone breccia along a fault separating the Pennsylvanian Madera and Permian Abo Formations. (50)
212	CARTHAGE	Copper, lead, clay	Clay for brick and tile from Cretaceous shales. Copper, lead ....(14, 43)
	CARTHAGE COAL FIELD	Coal - bituminous	Coal from the Carthage Bed in the lower part of the Cretaceous Mesaverde Group. (50)
213	CAT MOUNTAIN	Gold	Gold in quartz in Tertiary andesite and rhyolite flows. (32)
214	CHUPADERO (Chupadera, De La Parida, Del La Parida, La Parida)	Copper, lead, barite, clay	Copper in a thin-bedded sandstone in the Pennsylvanian Magdalena Group, and in a calcareous sandstone member of the Permian Abo Sandstone. Barite in veins in Precambrian granite. Brick clay from basal shale beds of the Magdalena Limestone. (8, 32, 43, 50, 55, 56)
215	COUNCIL ROCK (Galena, Iron Mountain No. 1, Tenmile)	Lead, silver, zinc, iron, copper	Lead, silver along silicified fault zones in rhyolite porphyry, and quartz latite (?). Lead, zinc in shear zones in limestone. Iron in contact-metamorphic deposits in limestone near a porphyry intrusive. Copper as a cement material in brecciated rhyolite or porphyry. (1)
	DATIL MOUNTAIN COAL FIELD (see Catron Co.)		
216	HANSONBURG (Bursum's, Carthage, Chloride, Chloride (Apache), Hansonberg, Headquarters, Mound Springs, Oscura, Oscura Mountains, Sierra Oscura, Silver Hill)	Lead, barite, fluorspar, copper	Lead, barite, fluorspar, copper in replacement deposits and cavity fillings in the Pennsylvanian Magdalena Limestone. Barite in hydrothermal veins in fault breccia and sheeted zones, and in an illite shale bed of the Pennsylvanian Burrago Formation. (Charles Chapin, oral commun., 1971; 32, 43, 50, 55)
217	HOP CANYON and MILL CANYON	Copper, gold	Copper, gold in fractures in shattered andesite porphyry. Gold in shear zones in Tertiary andesite and rhyolite tuffs and breccias. (32)
	IRON MOUNTAIN NO. 2 (see Sierra Co.)		
218	JONES (Chupadera, Chupadera Mesa, Estey, Jones Camp, Jones Iron, Oscuro)	Iron	In replacement deposits in limestone of the Permian Yeso Formation adjacent to a monzonite dike and diabase sills. Also, in placer and colluvial deposits. (24, 32)
	Jornada del Muerto Coal Field	Coal - bituminous	..........(50)
219	JOYITA HILLS (Canyoncito, La Joya, La Joyita, Los Canyoncitos, Manzanares)	Lead, fluorspar, barite	Lead, fluorspar in fissure veins in Precambrian granite and biotite gneiss, and as replacement deposits in silicified limestone in the Pennsylvanian Madera Limestone. Barite in quartz veins in Precambrian pegmatitic granite. (32, 43, 55)
220	LADRON (Hanson, La Dron, Ladron(e), Mountains, Ladron(e) Peak, Ladrones, Ladrones Mountain(s), Sierra Ladrones)	Copper, fluorspar, bentonite, manganese, uranium, vanadium	Copper, fluorspar in veins in Precambrian granite adjacent to an andesite dike. Copper disseminated in Tertiary arkose of the Santa Fe Group, and in an adjacent basaltic dike. Bentonite in the Santa Fe Group. Manganese in faults and irregular masses in limestone. Uranium, vanadium disseminated in pockets and along fractures and bedding surfaces in tuffaceous sandstone of the Miocene Popotose Formation, which overlies altered Precambrian granitic rock. (13, 26, 32, 43, 50)
221	LEMITAR MOUNTAINS (Box Canyon, Lemitar, Limitar, Poladaro, Povadera, Sierra Lemitar)	Lead, zinc, clay	Lead, zinc as fissure fillings along the contact of Precambrian granite and schist with basic dikes. Brick clay from basal shale beds of the Pennsylvanian Magdalena Formation. (32, 33, 43)
222	Lucky Don, and Little Davie Deposits	Uranium	Uranium disseminated in tabular deposits in San Andres Limestone, in a fault that separates the Permian San Andres and Yeso Formation. (50)
223	LUIS LOPEZ MANGANESE (Chupadera Mountains, Luis Lopez, Red Hills, San Antonio, Socorro Manganese)	Manganese	As cementing material along fissures in highly faulted and brecciated rhyolite or latite flows. (33)
224	MAGDALENA (East Magdalena, Kelly, Magdalena Mountains, Pueblo North Magdalena)	Zinc, lead, copper, silver, gold	Replacement deposits in the Mississippian Kelly Limestone associated with Tertiary monzonite intrusives. (Charles Chapin, oral commun., 1971; 32)
225	MAGDALENA MOUNTAINS MANGANESE (Magdalena Mountains)	Manganese	In fissure veins and breccia zones in rhyolite. (33)
	MILL CANYON (see HOP CANYON and MILL CANYON)		
226	MOCKINGBIRD GAP (Dripping Spring, Hays Gap (?), Little Burro, Little Burro Mountains, Mocking Bird, Mockingbird, Mockingbird Prospect Area)	Copper, lead, zinc, silver	In faults along the Precambrian granite—Paleozoic limestone, sandstone, and shale contact. (2, 32)
227	NIGGER DIGGINGS	Lead	In a shear zone in altered andesite. (32)
228	NORTH MAGDALENA (Pueblo, Pueblo Springs, Silver Hill)	Copper, silver, lead, vanadium	Copper, silver in small shoots, fissure-fillings, and breccia in andesite and quartz latite. Lead, vanadium along fault fissures which follow basic dikes. (32)
229	OJO CALIENTE NO. 2 (Ojo Caliente, Taylor Prospect)	Lead, copper, silver	In a quartz vein in propylitic andesite. (32)
230	RAYO (Joya Mountain, La Joya, La Joya Mountain, Manzanares)	Copper	In loosely-cemented sandstone in the Permian Abo Sandstone. (32)
231	ROSEDALE	Gold	In breccia and shear zones in rhyolite porphyry. (32)
232	SAN JOSE (Goldsborough, Jose, Nigger Diggings, Nogal, Quartz Hill, Red Hill, Rhyolite, San Mateo, Taylor)	Gold, silver	In branching and irregular fissure veins in rhyolite and rhyolite porphyry. (32)
233	SAN LORENZO (Alamillo, San Acacia)	Copper, manganese	Copper in a brecciated fault zone between andesite and basalt. Manganese in replacement deposits and as a cementing material in brecciated zones of andesite conglomerate, and in fissures in andesite. (1, 32)
234	San Pedro	Pumicite	Underlying a bed of volcanic agglomerate. (43)
235	SCHOLLE (Abo, Avo, Carocito, Manzana, Sleglebury)	Copper, silver, iron	Copper, silver disseminated in shale and arkose in the Permian Abo Sandstone. Iron, ...(Charles Chapin, oral commun., 1971; 1, 32)
236	SOCORRO PEAK (Encarnacion, Encarnation, La Encarnacion, La Encarnation, St. Felicite (?), St. Felicite (?), Santa Felicita (?), Socorro, Socorro Mountain, Strawberry)	Silver, manganese, stone, clay, perlite, barite	Silver, manganese, barite in narrow veins in volcanic rocks, mainly rhyolite and trachyte. Building stone from rhyolite tuff. Kaolinite clay for brick clay from altered rhyolite. Perlite from flow-banded, pumiceous, rhyolite glass. (Charles Chapin, oral commun., 1971; 32, 43, 50)
237	SPRING HILL (Amy)	Copper	..........(14)
238	WATER CANYON (Silver Mountain)	Lead, copper, zinc, silver, gold	Replacement deposits at intersections of fissures, and in veins in the Mississippian Kelly Limestone and in the Pennsylvanian Magdalena Limestone. (Charles Chapin, oral commun., 1971; 32)

TAOS COUNTY

No.	Mining District or Mineral Deposit	Principal Metals Non-metals, or Rock Products	Description
239	ANCHOR (Keystone, La Belle, Midnight, Red River)	Gold	In narrow veins, stringers, and shear zones in altered and brecciated Tertiary andesite, quartz latite, and rhyolite. (38)
240	CERRO MONTOSA	Perlite	Pliocene-Pleistocene rhyolite and rhyolite breccia. (28, 38)
241	NO AGUA (San Antonio Mountain)	Perlite, scoria	Perlite in Pliocene-Pleistocene rhyolite and rhyolite breccia. Scoria from the eroded remnants of a cinder cone formed during Pliocene-Pleistocene volcanic activity. (38, 50)
242	PICURIS (Copper Hill, Copper Mountain, Dixon, Glenwoody, Harding Mine, Hondo Canyon, Penasco, Picuris, Rinconada, West Picuris)	Tantalum, lithium, beryllium, columbium, copper, gold, silver, optical calcite, sillimanite, bismuth	Tantalum, lithium, beryllium, columbium in a pegmatite in Precambrian mica schist, amphibolite and quartzite. Tantalum, columbium in placer deposits. Copper, gold, silver in quartz veins in a Precambrian metaquartzite. Optical calcite in a lenticular, pipe-like body in a Precambrian amphibolite schist and metaquartzite. Sillimanite disseminated in the vein-like bodies, and in pods, pipes, and lenses in Precambrian schist and metaquartzite. Bismuth in a gossan and in quartz veins in Precambrian granite. (4, 38, 43, 50)
	Questa (see RED RIVER)		
243	RED RIVER (Alum Gulch, Black Copper, Black Mountain, Lower Red River, Moly, Questa, Sulphur Gulch)	Molybdenum, gold, silver, copper	Molybdenum in narrow veins in a Tertiary granite stock along the contact with altered Tertiary andesite, quartz latite, and rhyolite. Gold, silver in shear zones in Tertiary andesite tuffs and breccias. Gold in shear zones in Tertiary granite (?) porphyry. Copper, molybdenum in shear zones in Tertiary granite (?) porphyry. (37, 38, 46, 47)
244	RIO COLORADO PLACERS (Colorado Creek)	Gold	Placer deposits near the junction of the Red River and the Rio Grande River. (14, 38)
245	RIO GRANDE VALLEY (Rio Grande Placer(s))	Gold	Placer deposits in gravels along the Rio Grande River. (38)
246	TWINNING (Amizett(e), Arroyo Hondo, Rio Hondo)	Copper	In a shear zone in Precambrian talc schist and amphibolite. (38)

TORRANCE COUNTY

No.	Mining District or Mineral Deposit	Principal Metals Non-metals, or Rock Products	Description
247	ESTANCIA SALT (Dry Salt Lake, Laguna del Perro, Laguna Salina)	Salt	From a saline residue as a result of solar evaporation. (43)
	SCHOOLE (see Socorro Co.)		

UNION COUNTY

No.	Mining District or Mineral Deposit	Principal Metals Non-metals, or Rock Products	Description
248	Amistad	Clay	Halloysite clay in a pocket or channel fill in the Cretaceous Dakota Sandstone. (50)
249	BLACK MESA (Dry Cimarron)	Copper	Copper associated with clastic plugs; also disseminated in the Sheep Pen Sandstone Member of the Triassic Dockum Group, and in the Jurassic Exeter Sandstone. (3)
250	FOLSOM (Dry Cimarron)	Scoria, copper	Scoria from Quaternary-Tertiary volcanic cinder cones. Copper, ...(3)

VALENCIA COUNTY

No.	Mining District or Mineral Deposit	Principal Metals Non-metals, or Rock Products	Description
	AMBROSIA LAKE (see McKinley Co.)		
	DATIL MOUNTAIN COAL FIELD (see Catron Co.)		
251	LAGUNA (Cebolleta, Paguate, Pajuate)	Uranium, vanadium, gypsum	Uranium, vanadium in sandstone in the Jurassic Morrison Formation, mainly in the "Jackpile sandstone" of the Brushy Basin Member, and in the Jurassic Todilto Limestone. Also in a vertical pipe structure in the Morrison Formation, and in Cretaceous Dakota Sandstone. Gypsum interbedded with limestone, sandstone, and shale in the Todilto Formation. (Lowell S. Hilpert, oral commun., 1971; 26, 50, 52)
252	Los Lunas	Pumicite, scoria	Scoria from Quaternary volcanic cinder cones. Pumicite, ...(42, 43, 48)
	MOUNT TAYLOR COAL FIELD (see McKinley Co.)		
253	Ultra Marble Deposit	Banded travertine, or "onyx" marble	Travertine or "onyx marble" for decorative stone from Pleistocene to Recent spring deposits. (Charles A. Steen, written commun., 1971; 12, 31, 50)
	ZUNI COAL FIELD	Coal	Coal in the Gallup Sandstone, and Dilco Coal Member of the Crevasse Canyon Formation in the Cretaceous Mesaverde Group. (50)
254	ZUNI MOUNTAINS (Copper Hill, Copperton, Montezuma, New Cornwall, Zuni Mountain)	Fluorspar, copper	Fluorspar in veins and brecciated shear zones in Precambrian granite and schist. Copper in sandstone. (43, 48, 50, 56)

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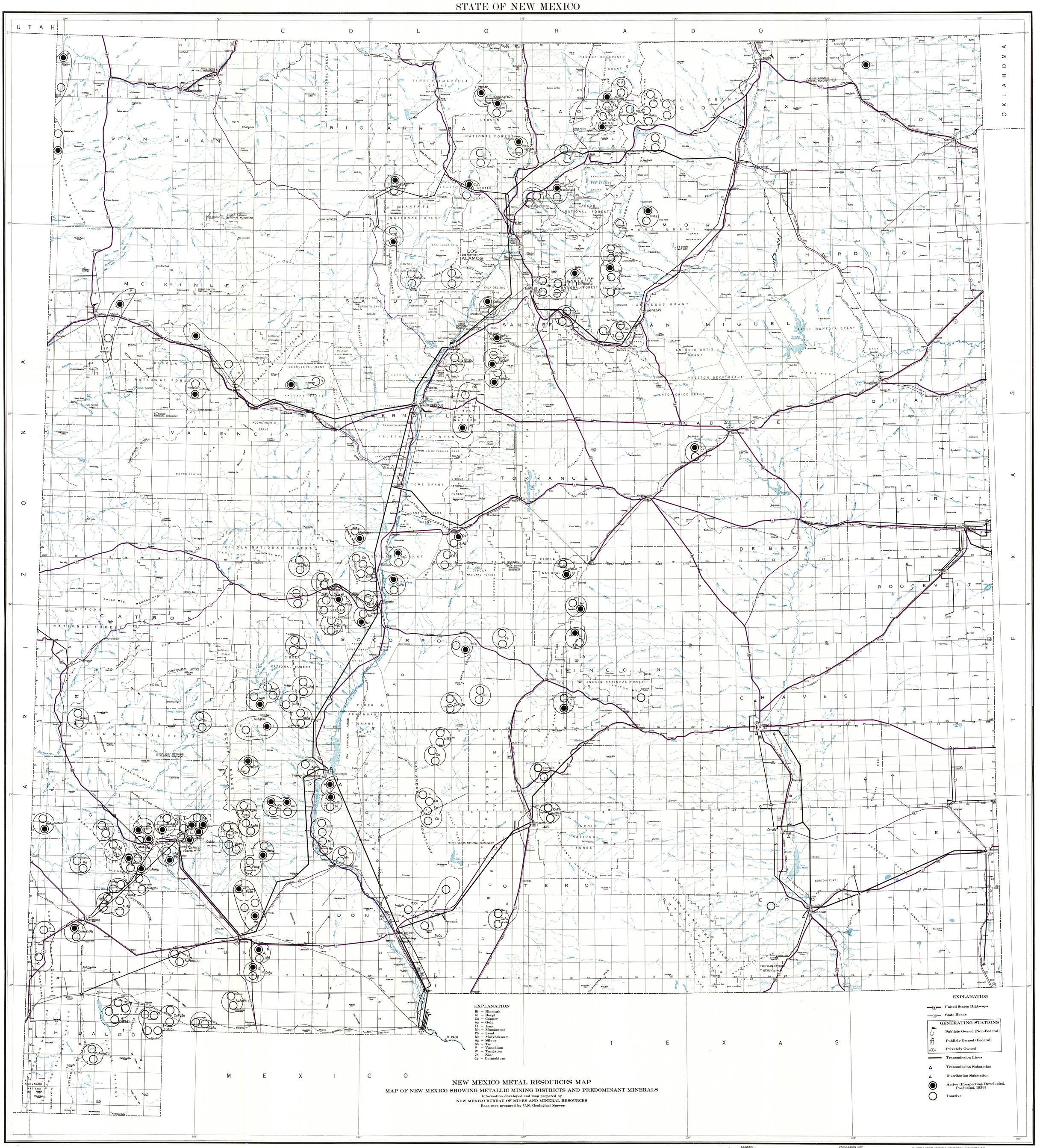
STATE OF NEW MEXICO



NEW MEXICO METAL RESOURCES MAP

MAP OF NEW MEXICO SHOWING METALLIC MINING DISTRICTS AND PREDOMINANT MINERALS

Information developed and map prepared by
NEW MEXICO BUREAU OF MINES AND MINERAL RESOURCES
Base map prepared by U.S. Geological Survey

10 0 10 20 30 40 Miles
10 0 10 20 30 40 50 Kilometers
Lambert conformal conic projection
Standard parallels 33° and 45°
1958

LEGEND
State Capital
County Seat
Cities, towns or villages
Corporate boundary shown for towns over 2500 population

POPULATION KEY
ALBUQUERQUE ..... More than 10,000
Alamogordo ..... 2,500 to 10,000
Fort Sumner ..... 1,000 to 2,500
Capitan ..... Less than 1,000
Population indicated by size of letters

COMPILED IN 1951

WILLIAMS & HEINTZ LITHOGRAPH CORPORATION, WASHINGTON, D.C.