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GEOLOGIC MAP 15

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RECONNAISSANCE GEOLOGIC MAP OF VIRDEN THIRTY-MINUTE QUADRANGLE

By Wolfgang E. Elston

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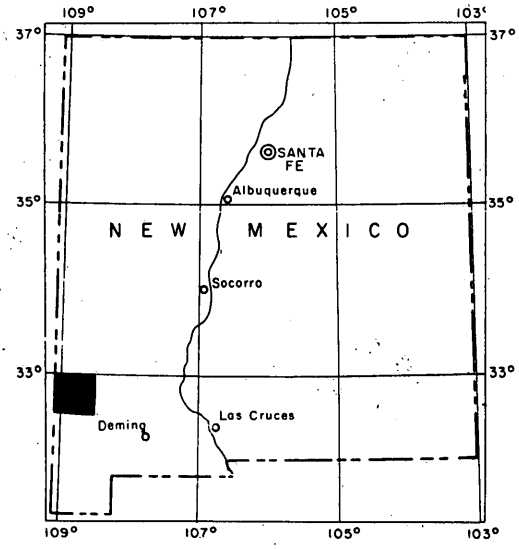

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STATE BUREAU OF MINES AND MINERAL RESOURCES
NEW MEXICO INSTITUTE OF MINING & TECHNOLOGY
CAMPUS STATION SOCORRO, NEW MEXICO

1960

BULLETIN 39

The Metal Resources of New Mexico and Their Economic Features Through 1954

A revision of Bulletin 7, by Lasky and Wootton, with detailed information for the years 1932-1954

BY EUGENE CARTER ANDERSON

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1957

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in the ores. Silver chloride was the chief silver mineral mined; native silver and argentite (?) also were present in the ores. Lead was not an important constituent.

Steeple Rock District

The Steeple Rock district (Lindgren et al., 1910) is in western Grant County, 4 miles from the Arizona line. The nearest railroad point is the town of Duncan, Arizona, about 17 miles southwest.

The district has had two periods of major production. The first period began with the discovery of ore in the region about 1880 and ended with the closing of the Carlisle mine in 1897. The Carlisle was the most important producer in the district, the property having been worked vigorously for many years. Its production up to 1897 is reported to have been around $3 million.

After 1897 small lots of ore were shipped. In the period between 1910 and 1920, however, attempts were made to operate mines in the district in conjunction with concentrating plants. From 1920 to 1932 practically no ore was mined in the district. Production figures from 1897 to 1932 are not available, but the total production is believed to have been small.

The second period of productive activity began in 1932 and ended in 1947. In 1947 the district output was 203 ounces of gold, 3,765 ounces of silver, 33,700 pounds of copper, 193,000 pounds of lead, and 133,250 pounds of zinc, having a total value of $66,822. Annual production from 1932 to 1947 is shown in Table 10.

Most of this production resulted from activities of the East Camp Exploration Syndicate (name later changed to Exploration Syndicate, Inc.), which began producing ore from the East Camp group of claims in 1934. Gold and silver ores, containing some copper and lead, were mined from this group of claims until 1942. Until 1940 the ore was shipped to smelters, but from April 1940 to 1942 the ore was treated at the mine in a 50- to 75-ton cyanide mill. From 1943 to 1946 inclusive the Exploration Syndicate, Inc., operated the Carlisle group of mines under lease, producing complex gold-silver-copper-lead-zinc ores. Before converting the East Camp cyanide mill to flotation, a step which was completed in September 1944, the ores were milled in a selective flotation mill at Duncan, Arizona, owned by the Southwest Minerals Co. Mining by the Exploration Syndicate ended in 1946. The production of the company from 1934 to 1946 inclusive was around 17,000 ounces of gold, 1 million ounces of silver, 800,000 pounds of copper, 3 million pounds of lead, and 3 million pounds of zinc.

Much of the remaining production from the district came from the workings of the Carlisle mines by Veta Mines, Inc., and other lessees from 1936 to 1941, and by the Southwest Minerals Co. in 1941 and 1942. The latter treated its ore in the company-owned mill at Duncan, Ari-

zona. In addition to newly mined ore, dump material and old tailings were mined from the district.

In the region about Steeple Rock chiefly exposed are effusive rocks, the most important being a reddish, medium-grained variety that resembles in appearance the soda rhyolite of the Mogollon Mountains. In some of the canyons and mine workings other rocks are found, which appear to be intermediate in composition between andesite and basalt. A purplish diorite porphyry is exposed in the canyon just below the Carlisle mine, and rocks corresponding to diorite porphyry were encountered in the mine.

The ore deposits of the Carlisle district belong in the class of Tertiary deposits and are similar to those at Mogollon, Cochiti, and elsewhere. The veins, which are part of a complex system, commonly are marked by prominent siliceous outcrops. Quartz is the chief gangue mineral, but more or less calcite is present also.

TABLE 10. PRODUCTION OF METALS IN THE STEEPLE ROCK DISTRICT, GRANT COUNTY, 1932-1947

Year	Gold (ounces)	Silver (ounces)	Copper (pounds)	Lead (pounds)	Zinc (pounds)	Total Value
1932	13	780	—	—	—	$ 493
1933	2	94	—	—	—	64
1934	421	21,141	1,700	500	—	28,553
1935	407	19,490	2,200	—	—	28,414
1936	850	54,173	5,600	300	—	72,222
1937	5,552	200,863	57,550	68,175	55,000	364,258
1938	5,687	239,119	33,300	38,500	—	358,654
1939	4,487	237,030	13,000	19,000	—	320,183
1940	5,414	216,374	20,900	74,000	—	349,418
1941	6,685	252,509	53,200	226,000	—	432,697
1942	1,390	60,220	29,000	86,700	—	100,791
1943	250	20,870	202,800	683,000	703,500	177,158
1944	295	21,181	210,800	838,500	944,000	228,541
1945	963	25,494	232,200	1,079,500	1,156,400	309,004
1946	408	8,797	87,800	405,200	328,800	119,893
1947	203	3,765	33,700	193,000	133,250	66,822
1948-1954*	—	—	—	—	—	—
Totals	33,027	1,381,900	983,750	3,712,375	3,320,950	$2,957,165

* No production reported.

SWARTZ (CARPENTER) DISTRICT[22]

The Swartz district is on the western slope of the Black Range, close to the Sierra County line. It is about 6-7 miles southwest of Kingston, and about 25 miles east of Santa Rita.

The district has been known for many years, but mining and development work have been confined largely to two groups of claims, with the bulk of this work having been performed in recent years.

22. Hill (1946); Minerals Yearbooks.

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BULLETIN 83

Mineral Deposits of Western Grant County, New Mexico

by ELLIOT GILLERMAN

1964

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Lone Pine Mountain tellurium mine. The Lone Pine Mountain tellurium mine is about two miles north of the Grant–Catron county line, probably in S½ sec. 20 or N½ sec. 29, T. 12 S., R. 18 W. It is on one of a group of six claims owned by Fayette Rice, Gila, and in 1960 and 1961 was under lease to the Minnesota Mining and Manufacturing Company, St. Paul. The property is locally known as the Schwartz property, from a former owner.

Workings consist of an old adit with drifts from which a winze extends downward 180 feet. A caved shaft extends downward from the surface to the adit level, bottoming a few feet south of the collar of the winze. In 1961, part of the adit level had been made accessible, the winze had been rehabilitated, and short drifts, mostly for underground drilling stations, had been driven from the winze at 40, 80, 140, and 160 feet. In addition, six diamond drill holes, the deepest 250 feet, had been sunk from the surface to explore the vein. Numerous less extensive adits, shafts, and pits are present in the vicinity of the major workings.

The ore is native tellurium and native gold in a gangue of pyrite, quartz, and fluorite. Tellurite and tellurobismite are recorded from dumps and old workings (Crawford; Ballmer). No gold tellurides have been identified. Microscopic studies of the ore indicate that the tellurium is associated with pyrite but apparently not with gold. Fluorite is present in small quantities and, in one area on the adit level, occurs as a discrete vein. Gold occurs with the quartz and possibly with the fluorite. It was present, at least in parts of the deposit, in appreciable quantities.

The ore occurs along a shear zone in latite and andesite, and the individual ore shoots are apparently localized by fracture intersections. A large shear zone, which crops out prominently as a wide silicified zone in Little Dry Creek about half a mile west of the mine, can be traced eastward through the old workings toward the mine. It strikes N. 75°-80° E. and dips steeply. It cannot be recognized on the surface at the mine, but apparently the old shaft and the winze were sunk on the structure. The winze appears to be sunk along an intersection of the shear zone and a cross structure, resulting in a pipelike ore shoot. The major shear can be traced at least a mile eastward from the mine.

In 1961, the Minnesota Mining and Manufacturing Company was actively exploring the property for tellurium.

STEEPLE ROCK DISTRICT

The Steeple Rock district is in extreme western Grant County adjacent to Arizona, in T. 15 and 16 S., R. 21 W., and T. 16 S., R. 20 W. (figs. 1 and 31). It extends generally north and northwest for about ten miles from Steeple Rock, which is a prominent landmark six miles east of the state line. The Carlisle mine in the center of the district is 16 miles by road from Duncan, Arizona. Access to the district is via Duncan.

Mr. Livingstone Utter, Long Beach, California, has many old maps, reports, assay data sheets, and other information pertaining to mining in the Steeple Rock district, which he inherited from George H. Utter who owned and operated many of the mines prior to 1920.

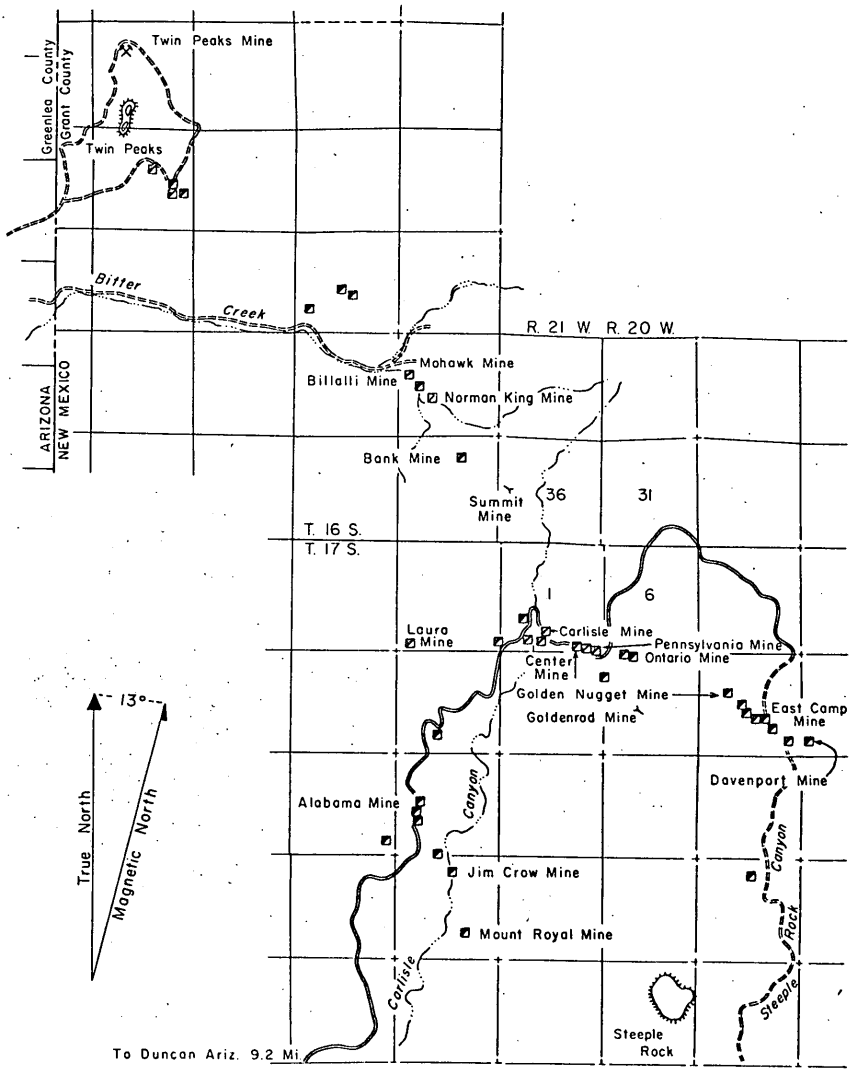


Figure 31

LOCATION OF MINERAL DEPOSITS IN THE STEEPLE ROCK, EAST CAMP, AND BITTER CREEK AREAS

History, Ownership, and Production

Numerous patented and unpatented claims cover the various mines and prospects in the Steeple Rock district; ownership of many of these is now unknown. In 1960, the Carlisle group of four patented and fifteen unpatented claims belonged to the Carlisle Development Company, Mrs. Roy B. Wilson, Phoenix. The East Camp group is owned by Parks Brothers, Mr. Lavar Parks, Riverton, Utah. The Bilali, Bank (unpatented), and Jim Crow–Imperial–Consolidated quartz group belong to Livingstone Utter. The Ontario and Alabama are owned by Billingsley Brothers, Ben Billingsley, Duncan, Arizona. The Norman King is owned by Mrs. Harris Craddock, Lake Charles, Louisiana; the Mohawk by Donald P. Jones, Safford, Arizona; the Carnation by Chris B. Quanto, Santos, Texas; and the Golden Rod by Paul Wrinkler and Ted Faulkner, Safford, Arizona. Ownership of the Summit group was unknown. The locations of many of the mines is shown in Figure 31.

The earliest available record of mining in the district is a military report of the dispatch of troops from Fort Thomas to the district in 1860 to protect the miners from the Apaches. L. Utter (written communication) states that the Carlisle was a producing mine prior to 1880. In 1883, the Carlisle was sold to a group which included Marshall Field, N. K. Fairbanks, and other prominent merchants and capitalists from Chicago. Between 1883 and 1887, the Carlisle group of claims was patented, a 20-stamp mill built, and the Carlisle mine operated to the 300- or 400-foot level. During this period the company was organized as the Carlisle Mining Company (photo 11).

Photo 11

Carlisle mine, Steeple Rock district

Old hotel (center) is the only building standing. Ruins of the old mill are below and to the right of the hotel. Main shaft is near the left margin of dump to right and beyond hotel.

In January 1887, the Carlisle Mining Company was sold, reputedly for $1,000,000, to English interests, the Golden Leaf Mining Company, Limited, and Henry Cameron Richardson. The Rothschild interests in England were involved in the purchase. The affairs of the Carlisle Gold Mining Company were conducted by a series of trustees until 1896 when the Steeple Rock Development Company was organized. At about this time, other companies were interested in the district, including the Laura Consolidated Company, also controlled by English interests.

The Steeple Rock Development Company and its predecessor company spent large sums of money developing the Carlisle and other properties in the district. The Carlisle was developed to 600 feet; the mill was enlarged to a 60-stamp mill; thirty-three claims were purchased, patented, and organized into groups, including the Jim Crow, Imperial, and others; many others were optioned but later dropped; roads were built; ten or twelve mines were systematically developed, and shallow prospecting was conducted at numerous other sites; and a smelter was built at the Carlisle mine. The smelter was supposedly unsuited for the complex Carlisle ores. Although about $4,000,000 worth of ore, principally gold and silver but including small tonnages of copper, lead, and zinc, were shipped from the Carlisle during this period, the great expenses incurred resulted in 1897 in the mine being closed. The smelter was dismantled and moved away, supposedly to be replaced by one more adapted to the Carlisle ores. This was never done, and the mine remained shut down. In 1914, the estate was sold to George H. Utter.

Between 1914 and 1917, Utter operated the Jim Crow mine, sinking the shaft to 300 feet. Some mining was done at the Carlisle and other properties by Utter and by other individuals, but only small lots of ore were mined and shipped. In 1920, operations virtually ceased, and between 1920 and 1932 essentially no ore was mined. In 1927, the United Metals Corporation dewatered, examined, and sampled the Carlisle mine (Russel, 1947). It sank the winze from the 600- to the 700-foot level, drifted on this level, and drilled some diamond-drill holes below it, but mined no ore. In 1930, the mine was again allowed to fill with water. In 1932, activities were resumed in the district. The East Camp Exploration Syndicate (the name was later changed to the Exploration Syndicate, Inc.) began producing ore from the East Camp group of claims in 1934, and gold and silver containing some lead and copper were mined at East Camp until 1942. A 50- to 75-ton cyanide mill was erected in 1940 to treat the ores. Between 1943 and 1946, the Syndicate operated the Carlisle mine under lease from the Carlisle Development Company which owned the property. The complex gold-silver-copper-lead-zinc ore was first treated at the mill of the Southwest Minerals Company in Duncan, but in 1944, the mill at East Camp was converted to flotation to handle the ore. Mining by the Syndicate ceased in 1946.

Between 1936 and 1941, the Veta Mines Inc. and other lessees op-

erated the Carlisle mine, and in 1941 and 1942, it was operated by Southwest Minerals Company. The ore and also old mill tailings were treated at the mill in Duncan.

Between 1942 and 1944, the district was examined by the U.S. Geological Survey and the U.S. Bureau of Mines and the deposits studied in connection with the government's interest in strategic war minerals. In 1946 and 1947, the Empire Zinc Company made a detailed analysis of the district.

Since 1946, only sporadic prospecting and small lease operations have been conducted. The equipment at East Camp was sold and dismantled in the 1950's. In 1960, small exploration operations were in progress at the Ontario mine by the Norart Mining Company of Toronto, Canada, under a lease agreement, but the remainder of the district was abandoned.

Geology

Rocks exposed in the Steeple Rock district consist mostly of dacite and andesite tuffs, flows, and flow breccias, and some rhyolite flows, tuffs, and intrusive masses. These rocks are mapped by Elston (1960a) as belonging to four different units, which he describes as *dacite, rhyolite, andesite,* and *Datil Formation undifferentiated.* The first three he dates as Upper Cretaceous, the Datil as Tertiary. In addition, Late Cretaceous Virden Formation crops out south of the district west of Steeple Rock, and a Tertiary or Cretaceous rhyolite dike or plug constitutes Twin Peaks in the northern part of the district. Griggs and Wagner (1943) distinguish other rhyolite intrusive masses in the vicinity of the Carlisle mine.

The dacite is the oldest unit of the volcanic sequence. It crops out between the East Camp and Steeple Rock faults, comprising almost all the surficial rock within this block; various members of the unit are the host rock for mineralization. It also crops out southeast of the mineralized area west of Steeple Rock. The unit consists of dark green, gray and reddish brown dacite flows, tuffs, and tuff breccias containing phenocrysts of hornblende, biotite, and plagioclase feldspar (andesine). Locally, the rock is coarsely porphyritic and the phenocrysts are large, abundant, and conspicuous. Elsewhere, they are small but constitute almost 50 per cent of the rock. Quartz is locally absent or scarce, and the rocks grade to andesite.

Rhyolite flows and welded tuffs crop out south and east of the mineralized area and east of Steeple Rock. These rocks overlie the dacite. They are gray, fine-grained, with a few small quartz and feldspar phenocrysts.

Andesite constitutes most of the surface rock northeast of the East Camp fault, and also occurs west of the Steeple Rock fault. Flows, tuffs,

and flow breccias are included in a sequence which reaches a thickness of 3000 feet. The andesite is purple, brownish purple, gray, or greenish gray. The flows are commonly vesicular, the vesicles being filled or lined with minute crystals of quartz and an unknown mineral. Much of the andesite is porphyritic with abundant chalky-white plagioclase phenocrysts and a few hornblende and biotite phenocrysts. Flow structures are commonly visible. Rhyolite and latite flows and tuffs are interbedded with the andesites. The andesite unit is apparently younger than the rhyolite and dacite described above.

The Datil Formation, which consists mostly of gray rhyolite tuffs and flows, makes up Steeple Rock and crops out to the south. This is the youngest of the volcanic rock units in the area.

The volcanic rocks strike northwest and dip 10° to 30° NE. They are cut by numerous faults, the more prominent ones being the northwest-trending East Camp and Steeple Rock faults, which parallel the strike of the rocks and delimit an upthrown block occupied by dacite and rhyolite. The Steeple Rock fault dips 60° SW, but the East Camp fault dips more steeply, in places southwestward and elsewhere northeastward. Shorter and less continuous faults parallel these major faults; others trend more northwesterly or nearly due west.

Mineral Deposits

Veins fill numerous faults and fissures in a northwesterly trending zone eight to ten miles long. Most deposits lie between the East Camp and Steeple Rock faults. The Carlisle mine is about in the center of the zone. Brecciated and crushed wall rock cemented by quartz and ore minerals fill the fissures. Open-space filling is the dominant method of emplacement of minerals, but replacement of wall rock is reported at the Carlisle mine. At many of the deposits, fissures branch from the main veins into the hanging or footwall and are filled with vein material.

Ore minerals identified in the district include gold, silver, galena, sphalerite, chalcopyrite, argentite, tetrahedrite, and cerargyrite. Pyrite is common, and quartz, some of it amethystine, is the dominant gangue mineral; calcite, barite, and fluorite also are present. Oxidized minerals at East Camp, in addition to cerargyrite, include limonite, copper carbonates, and a greenish mineral identified as vanadinite or pyromorphite. At the Carlisle, manganese oxide and films of chalcocite on chalcopyrite occur. Quartz occurs as crustiform masses of amythestine or milky quartz crystals around breccia fragments or lining cavities or vugs; as medium-grained milky quartz which fills spaces between the breccia fragments; and as dull horny quartz which is presumed to be due to replacement of wall rock. Alteration of the wall rock adjacent to the veins has produced sericite, epidote, chlorite, and kaolinite.

The veins are marked by prominent siliceous outcrops, and at several

places on the surface, brecciated and silicified vein fillings widen, forming conspicuous dikelike masses known locally as "blowouts." Many of these overlie ore bodies. At the Carlisle, and apparently at East Camp, ore shoots are localized by changes in strike and dip of veins, and possibly by changes in wall rock.

Two or three stages of mineralization have been identified (Griggs and Wagner; C. W. Botsford, written communication, 1918; J. E. Clayton, written communication, 1889) at the Carlisle and East Camp mines. Early quartz, essentially barren, cements fragments of brecciated wall rock. This in turn is brecciated and the fragments are coated with radiating masses of milky and amethystine quartz which also lines vugs and cavities and replaced some of the wall rock. Pyrite, galena, sphalerite, and chalcopyrite are associated with this quartz and belong to the second stage of mineralization. The gold and silver, and probably the fluorite, were deposited during a third stage of mineralization along with the quartz veinlets which cut the sulphides. Elston (1960b) believes that the base-metal mineralization, at least, is Cretaceous. The writer thinks that the precious metal mineralization is middle to late Tertiary and probably correlative with gold-silver and fluorite mineralization elsewhere in western Grant County during the Tertiary.

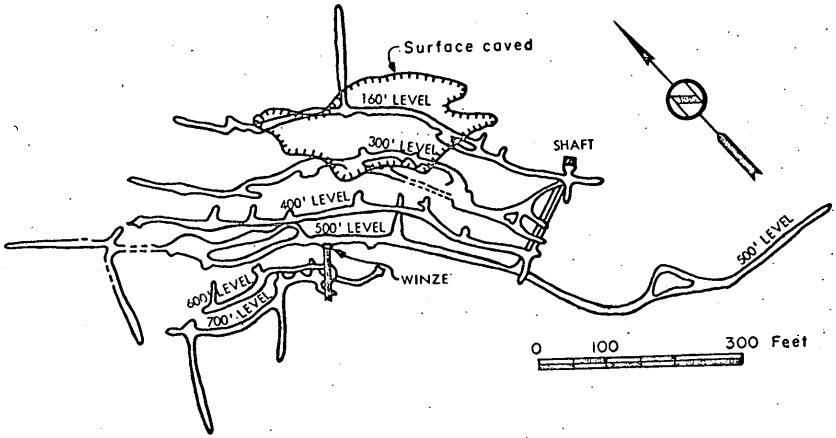
The mineral deposits are primary hypogene concentrations. Little oxidation of the ore has occurred at the Carlisle mine, but at East Camp, oxidized minerals are common in the upper workings and have been identified as deep as 600 feet. There is no evidence of supergene enrichment.

At the Carlisle, the base-metal tenor of the ore increases with depth, but the tenor of the precious metals was too low below 400 feet to be considered ore. At East Camp, the character of the ore and the vein changed at 600 feet. Graton (Lindgren, Graton, and Gordon) reports that to the northwest of the Carlisle mine, the deposits contain more copper.

Carlisle mine. The Carlisle mine is the principal mine of the district and has accounted for most of the production of both precious and base metals. The mine was inaccessible in 1960 and was last operated in 1948, although about eight carloads of ore were shipped in 1959 and 1960 from the open pit north of the shaft. Workings go to a depth of 700 feet. A vertical, 518-foot-deep shaft is sunk on the hanging wall side of the vein, passing through the vein and into the footwall at about 200 feet. Levels are at 160, 300, 400, and 500 feet. A winze was sunk from the 500-foot level to a depth of more than 200 feet, with drifts and crosscuts on the 600- and 700-foot levels. Drifts extend a maximum of 1400 feet northwest and 500 feet southeast of the shaft on the 500-foot level (fig. 32).

In the vicinity of the shaft, the Carlisle fault strikes N. 45° W. and dips 65° to 70° SW. One hundred feet southeast of the shaft, the fault turns due east, and 800 feet northwest of the shaft, it turns due west. The Carlisle ore body is within the segment which trends northwest. The

country rock is andesite and dacite porphyry, but Griggs and Wagner mapped intrusive rhyolite on the southwest side of the fault, west of the shaft.



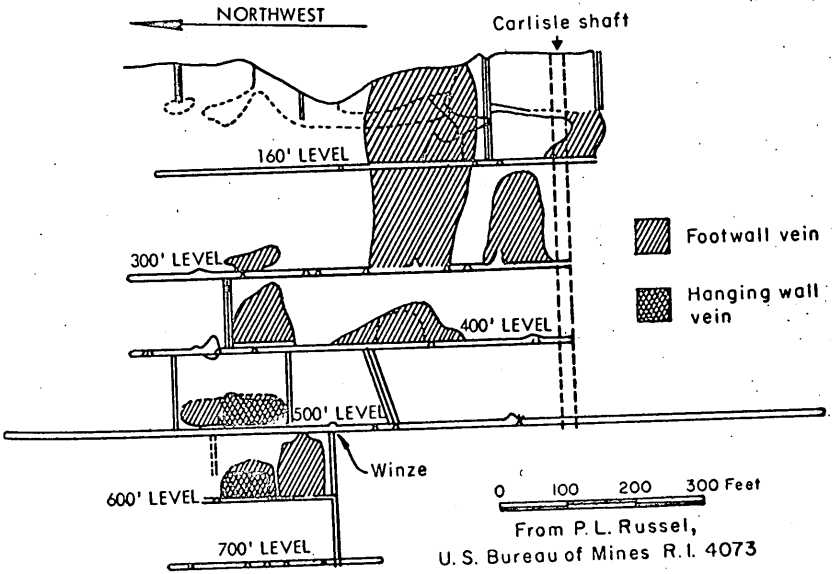


Figure 32

PLAN AND VERTICAL SECTION, CARLISLE MINE, STEEPLE ROCK DISTRICT

A breccia zone 5 to 8 feet wide occupies the fault, the widest part at the surface being just northwest of the shaft. The breccia fragments consist of wall rock and of barren quartz belonging to the early period of mineralization. Shear planes, parallel to the walls of the fault, are in both hanging and footwalls, and numerous fissures branch from the main fault into the footwall. According to Clayton (written communication), a well-defined fissure splits the breccia zone in the northwest-trending segment of the fault, but lies on the hanging wall west of where the fault turns westward and is on the footwall east of where the fault turns eastward. Only where this fissure is on the hanging or footwall of the zone is there a well-defined clay gouge zone between breccia and wall rock.

Both precious and base metals occur in pods, bunches, and as irregular masses in the interstices between the breccia fragments and as thin crusts with quartz in concentric layers around angular breccia fragments. The higher-grade segments of the vein are where brecciation has been most intense.

On the 160-foot level, two sulphide-bearing ore shoots, 7 to 8 feet wide and 200 and 50 feet long, respectively, lie on or near the footwall. A shoot, mined in the early days for gold, paralleled these base-metal shoots on the hanging wall. The best gold and silver ore lay above the 300-foot level within 400 feet northwest of the shaft. The gold was free-milling. Lower-grade ore lay southeast of the shaft on the upper levels, beyond 400 feet northwest of the shaft and below 300 feet. Beyond 500 feet northwest of the shaft, the vein was essentially barren of precious metals, and this condition also exists below the 500-foot level. Base metals, particularly zinc and copper, are present in increasing amounts in the lower levels. The ore body pitches steeply northwest (fig. 32).

Griggs and Wagner report that approximately 100,000 tons of ore containing 1 per cent copper, 45 per cent lead, 5.7 per cent zinc, and a little gold were blocked out below water level (200 feet) and that geologic evidence indicates that it may be possible to develop 175,000 tons of ore. This does not take into consideration any extension of the deposit below the present workings.

Center and Pennsylvania mines. The Center and Pennsylvania shafts are along the Carlisle fault, 1550 and 2150 feet, respectively, east of the Carlisle shaft. The fault strikes N. 75° W. at the shafts but turns west toward the Carlisle shaft 400 feet northwest of the Center shaft, bending sharply to S. 45° E. at the Pennsylvania shaft. It dips about 65° SW.

Workings at the Center mine are 300 feet deep; those at the Pennsylvania, 150 feet deep. The shafts are connected by a drift on the 150-foot level, which was accessible in 1943.

At both mines, the character of the vein and of the ore is similar to the Carlisle, except that the ore is finer grained. Ore shoots were lens-

like, 1 to 8 feet wide. At the Pennsylvania, ore is concentrated at bends in the fault zone. Silicification is less intense than at the Carlisle, and ore minerals are less abundant; the intensity of mineralization decreases eastward along the vein. Sericite, chlorite, and epidote were deposited beyond the zone of silicification.

Production at the Pennsylvania is estimated at 1500 to 2000 tons of gold-silver ore. No figures are available for the Center. Total base metals are calculated at 2 to 3 per cent at the Pennsylvania and 4 to 5 per cent at the Center, but tonnages are believed to be small.

Ontario. The Ontario claim adjoins the Pennsylvania on the east and is one of a group of nine claims leased in 1960 from Ben Billingsley, Duncan, Arizona, by Norart Minerals, Limited. In the early 1940's, Billingsley sank an inclined shaft 160 feet deep, with levels at 40, 100, and 140 feet. The 40-foot level is open to the surface via an adit. Maximum drifting is on the 100-foot level, the drifts going 200 feet east and 75 feet west of the shaft (Billingsley, oral communication).

The mine is along the eastward extension of the Carlisle fault. At the shaft, the vein strikes due east and dips 70° S. In the face of the adit level, the vein is 1 foot wide, but Billingsley reports a width of 4 to 6 feet in the west drift of the 100-foot level, and ore carrying gold and silver values of $188 a ton. In the bottom of the shaft, 4 per cent of combined lead and zinc are reported.

East Camp. The East Camp group of claims includes the Gold Bug, Davenport, MacDonald, Great Eastern, Nugget, Sunset, Gold Note, and Gold Pick (fig. 33). They stretch for about 9600 feet along the East Camp fault, about two and a half miles east of the Carlisle. The principal workings are on the MacDonald claim, and the MacDonald mine is sometimes spoken of as the East Camp mine. Other extensive workings are on the Nugget, Davenport, and Gold Bug claims. Elsewhere, only shallow shafts and pits explore the vein. The workings of the MacDonald, Nugget, Davenport, and Gold Bug develop what are apparently separate ore bodies. Ore was thus mined over a distance of about 4500 feet from the Nugget to the Gold Bug.

On the MacDonald claim, an old adit, the MacDonald tunnel, extends 460 feet northwest along the vein, and an old shaft goes vertically downward at the portal of the tunnel (fig. 34). Levels are at 100, 200, and 300 feet. All drifting is to the northwest. In 1939 and 1940, a new shaft, the MacDonald No. 2, was sunk almost on the site of the old MacDonald No. 7 shaft, 700 feet northwest and 150 feet above the portal of the tunnel. This shaft intersected the 100-, 200-, and 300-foot levels at 250, 350, and 450 feet, respectively, and was sunk to a total depth of 635 feet. A new level, the 600, was driven from near the bottom. Maximum drifting is on the 200- and 300-foot levels, which extend 1700 and more than 1800 feet, respectively, along the vein.

The Davenport shaft is 1100 feet southeast of the portal of the Mac-

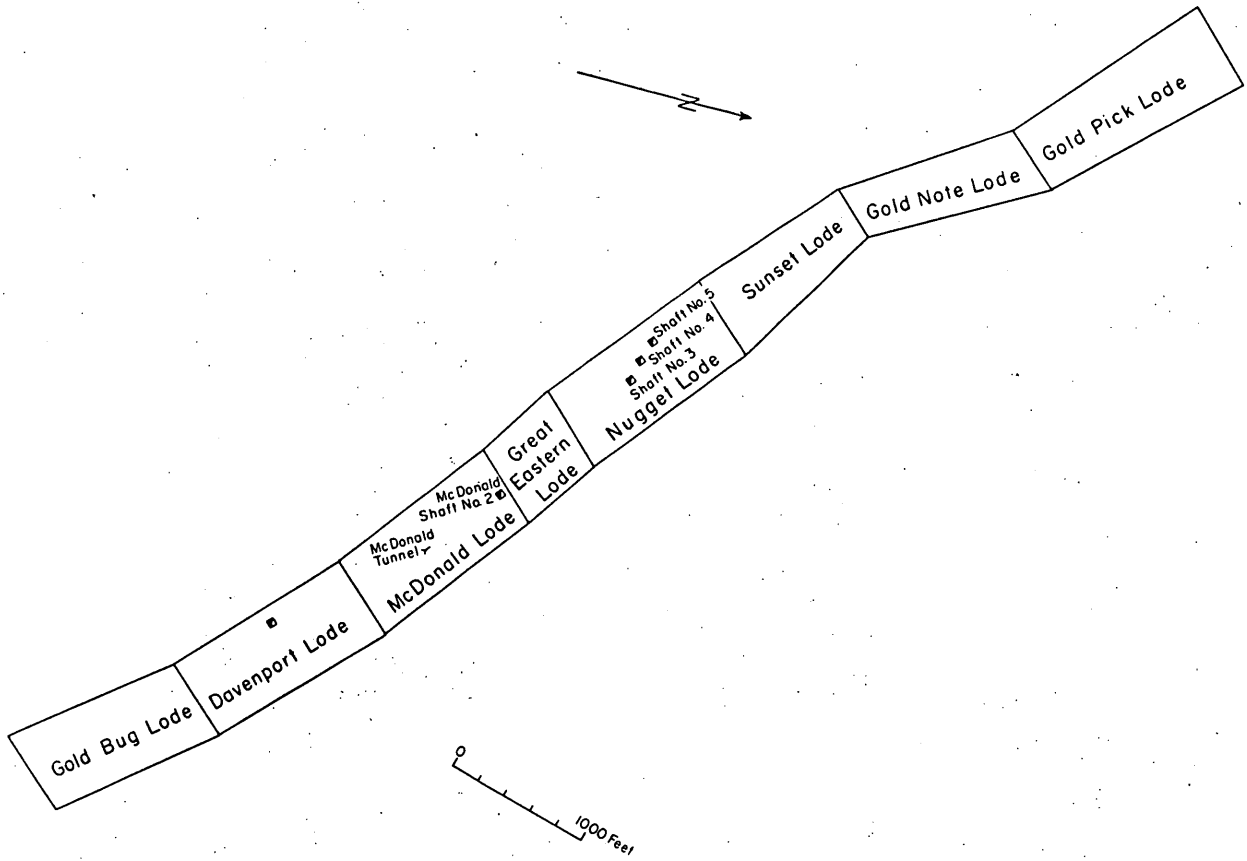


Figure 33
CLAIM MAP, EAST CAMP, STEEPLE ROCK DISTRICT

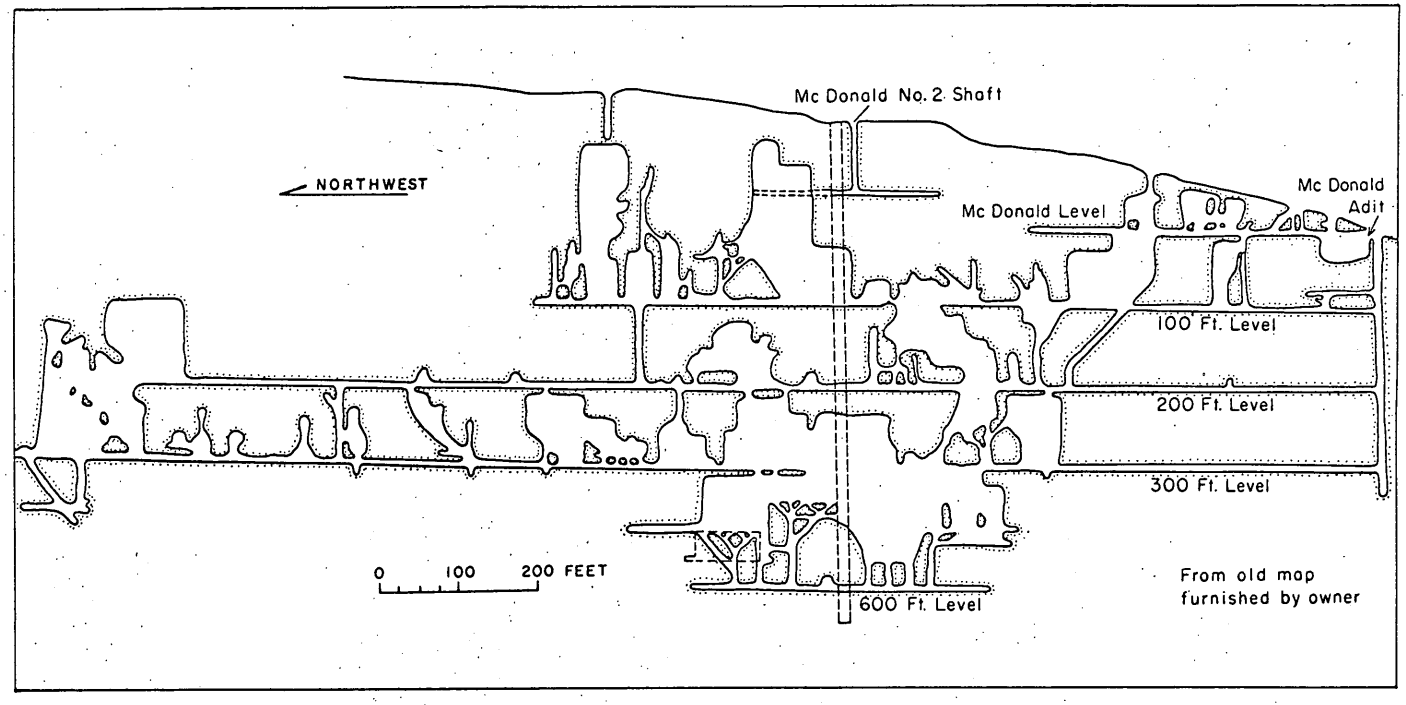


Figure 34

LONGITUDINAL SECTION THROUGH MCDONALD (EAST CAMP) MINE, EAST CAMP, STEEPLE ROCK DISTRICT

Donald tunnel. It is 320 feet deep, inclined 85° SW, and has levels at 55, 200, and 300 feet. On the lower levels, the drifts go 375 feet southeast and at least 60 feet northwest of the shaft.

On the Gold Bug claim, which adjoins the Davenport to the southeast, two shafts 150 and 175 feet deep are joined by a 75-foot-long drift going from the bottom of one shaft to the 75-foot level of the other shaft and continuing southeastward 150 feet.

On the Nugget claim, three shafts, 1150 to 1450 feet northwest of the MacDonald No. 2 shaft, are 200, 116, and 150 feet deep, respectively, from southeast to northwest. About 800 feet of drifts develop the ore body.

The East Camp fault strikes N. 70° W. and dips steeply southwest, but locally the direction of dip is to the northeast. The vein along the fault is 1 to 10 feet wide but averages 5 feet in the stopes. It consists largely of brecciated wall rock with quartz, calcite, minor fluorite and limonite, and ore minerals. It is crustified, banded, and vuggy. The wall rock is andesite on both sides of the fault. Within the mine, andesite porphyry is on one side and andesite tuff on the other. The brecciation and the discrepancy of rock types on the two sides of the fault are evidence of movement, but the amount of displacement is unknown. Post-mineral faulting consists of a major strike fault within the vein, a zone of cross faulting northwest of the MacDonald tunnel portal, and many minor faults at acute angles to the strike of the vein.

Gold occurs as finely disseminated particles intimately associated with quartz. It is free milling, at least on the upper levels. Argentite is the primary silver mineral and is on the 200-foot level. The precious metals occur in pods and streaks, which are more widely scattered on the 600-foot level than in the upper levels. Oxidation of the ores in the upper part of the mine was prevalent, and the vein is oxidized locally, as deep as the 600-foot level. Cerargyrite, native silver, and copper carbonates are the oxidized minerals identified, and a greenish mineral associated with the precious metals is reported as pyromorphite or vanadite. Both cerargyrite and, to a lesser degree, native silver were important ore minerals. With depth, the amount of base metals and calcite increases.

Thanksgiving. This deposit lay just to the southeast of the Gold Bug claim, along the East Camp fault. It is the farthest southeast that the vein can be followed on the surface. High-grade native silver, argentite, and a little cerargyrite are reported to have been produced from shallow workings.

Bluebird. The old Bluebird shaft is about 4000 feet northeast of the MacDonald shaft, on a vein trending N. 60° W. and subparallel to the East Camp vein. The shaft is vertical for 60 feet and then dips northeast 65 to 70 degrees. A well, marked by a windmill a short distance northeast of the old shaft, intersects the old shaft at 120 feet. The shaft is 300 feet deep. A rhyolite dike cuts andesite at the Bluebird, and the

shaft is sunk along the andesite-rhyolite contact on the northeast side of the dike.

Azurite is present on the dump, but according to Croom (personal communication), ore was present only near the surface.

Carnation. The Carnation, in the NE¼ sec. 6, T. 17 S., R. 20 W., is on a vein striking N. 55° W. No dip could be measured. An old shaft, old pits, a newer open cut, and a 30-foot-deep diamond drill hole put down in 1959 or 1960 explore the property. The mine is along or near the East Camp fault, between East Camp and the Summit group.

Summit group. The Summit group of ten claims are about one and a half miles north of the Carlisle mine. The Summit and Apex tunnels and associated workings are along the East Camp fault about three and a half miles northwest of the MacDonald shaft. Drifting at the Summit extends northwest along the vein from the adit for about 500 feet. At the Apex, drifts go about 150 feet both southeast and northwest of the adit.

At the Summit, the vein strikes N. 40° W. and dips 75° NE; at the Apex, the dip is 80 degrees. The vein is a wide, silicified breccia zone that crops out prominently on the surface above the workings and underground is 30 feet wide. No information as to mineralogy or possible production is available, but information from old sampling records indicates that the gold and silver values were low.

The Bank, Hoover tunnel, and Bilali mines. The Bank mine is the largest in the Bitter Creek area, except for the Norman King. It is northwest of the Summit mine, about halfway between it and the Norman King, and is a few hundred feet southwest of the East Camp fault on a parallel vein.

The Hoover tunnel, named after former president Herbert Hoover who worked in the Steeple Rock district as a young mining engineer in the late 1890's, is about 1500 feet southeast of the Norman King. The tunnel extends from the canyon of Bitter Creek southwest for 500 to 600 feet to the vein. The portal is on the Bilali claim.

The Bilali mine is near the portal of the tunnel. (It is incorrectly shown on the Steeple Rock quandrangle map as being north of the Norman King.) It is a small mine, with no extensive workings. Little information is available pertaining to it.

Norman King. The Norman King is on Bitter Creek in the center of sec. 26, T. 16 S., R. 21 W., about two and a half miles northwest of the Carlisle mine. The vertical shaft is 500 feet deep and most of the drifting is to the southeast. The 85-foot level extends at least 400 feet in this direction.

The mine is along the East Camp fault. The shaft is sunk on the southwest side of a wide, silicified and brecciated zone that trends N. 35°-40° W. and can be traced northwest to the Mohawk mine. The vein is essentially vertical. Numerous subparallel brecciated and silici-

fied zones cut the country rock for a distance of 500 feet northeast of the main fault. A few are present to the southwest.

The Norman King is the largest mine in the Bitter Creek area. It was last worked by Louis Jacobson in 1940. Between 1936 and 1940, an incomplete record of shipments by Jacobson shows 3,278,565 tons of ore shipped with a total value of $45,703. The gold averaged 0.1773 ounce and silver 10.690 ounces a ton. The ore averaged $13.94 a ton. In 1919 to 1921, 342,927 tons of ore, averaging 0.629 ounce of gold and 43.23 ounces of silver and valued at $17,908.76, were shipped.

Mohawk. The Mohawk is a fluorspar mine along the East Camp fault about 2000 feet northwest of the Norman King, in the NW¼ sec. 26. It is incorrectly labeled as the Bilali mine on the Steeple Rock quadrangle topographic map. The Mohawk was last operated in 1945. About 3000 tons of milling grade fluorspar were shipped from the mine, most of which averaged 65 to 70 per cent fluorite.

Four shafts have been sunk along the vein. A caved stope, 150 feet long and 7 feet wide with an 80-foot-deep shaft in the center of it, was the original workings. From the 75-foot level, a drift extended north about 50 feet and south 250 feet. A new shaft, 200 feet south of the old shaft, was sunk to connect with this drift. Both these shafts are on the west side of the vein. Another shaft, 50 feet southeast of the new main shaft, is on the east side of the vein. The fourth shaft is northwest of the caved workings.

The vein strikes N. 15° W. and dips 85° to 90° E, with local reversals of dip direction. About 75 feet north of the caved shaft, it turns N. 60° W. toward the fourth shaft. The vein consists of a breccia and silicified zone, which widens to 15 feet near the new main shaft; it can be traced south to the Norman King mine. Fluorspar occurs in shoots and pods along the silicified zone, mostly on the east side. Ore widths of more than 7 feet occurred in the stopes, but in most places, the width of the ore was less. The fluorspar consists of pale green, fine-grained fluorite associated with fine-grained white quartz. Fine-grained pyrite occurs along the fault. Fluorite also occurs along the vein at the Norman King and near the Hoover tunnel.

Black Willow. The Black Willow mine is north of Bitter Creek, about 4500 feet northwest of the Mohawk mine along the East Camp fault. At the mine, the vein strikes N. 60° W. and is vertical; it consists of a wide, silicified breccia zone containing mostly silver but with some gold and pyrite. A few hundred feet southeast of the shaft, fluorspar crops out along the vein. The shaft is 50 to 60 feet deep. The mine was operated in the 1920's.

Fraser Brothers mine. Three or four deep shafts sunk along the East Camp fault south of Twin Peaks comprise the Fraser Brothers mine. The northernmost shaft was last worked in 1958 by Ben Billingsley, who did the work for the Southwestern Mining Industry, Tucson. The shaft

is 600 to 700 feet deep. The recent work was in the upper levels of the mine, above the water table. Values at the mine were reportedly mostly in silver, but some gold was present.

These workings are about two and a half miles northwest of the Black Willow mine and are the farthest northwest along the East Camp fault.

Twin Peaks. The Twin Peaks mine in the N½ sec. 8 is the northernmost mine in the Steeple Rock district. It lies about one mile northeast of the East Camp fault. The shaft, reportedly 500 to 600 feet deep, is sunk along a breccia zone in andesite, about 500 feet north of the surface outcrop of the rhyolite dike which makes up Twin Peaks and along the strike of the dike. The vein, however, strikes N. 35° W. and is vertical. The breccia zone is not more than 5 feet wide at the surface. Gold and some silver are reported to have been mined. The mine was formerly owned by the Fraser Brothers.

Alabama. The Alabama mine, in the W½ sec. 14, T. 17 S., R. 21 W., is two miles southwest of the Carlisle mine along the main road leading from Duncan to the Carlisle. A 300-foot-deep shaft inclined 80° W is sunk along the east or footwall side of a large silicified zone that marks a fault. The vein strikes north. No information is available as to extent of workings, production, and grade or character of ore. The vein is west of and subparallel to the Steeple Rock fault.

Jim Crow–Imperial. The Jim Crow–Imperial group consists of eight patented claims owned by Livingstone Utter and others in the south part of the district about three miles southwest of the Carlisle mine. The claims are the Jim Crow, Imperial, Gold King, Tunnel, Gold Bug, Red Prince, Three Brothers, and Contention. Major workings were the Imperial and Jim Crow shafts, sunk to depths of 300 and 307 feet, respectively. Four other shafts on the property were sunk to 100 feet, and a 178-foot-long adit explored the vein on the Imperial claim. The mines were last worked in 1917 and in 1960 were inaccessible.

The Imperial mine is along a breccia and silicified zone which strikes N. 15°-20° W. and dips 60° SW. This is the Steeple Rock fault. The country rock is andesite, but rocks of the Datil Formation are east of the fault. The quartz which cements the andesite breccia fragments is itself brecciated and recemented, as at the Carlisle and East Camp mines, indicating at least two periods of movement, brecciation, and mineralization along the fault. The silicified zone is 80 feet wide on the surface; widths of 20 feet have been measured underground. The shaft is sunk about in the center of the zone. Precious-metal mineralization is confined to widths of 5 to 25 feet.

The Imperial shaft is 300 feet deep and inclined 50 degrees. It has levels at 100, 150, and 300 feet. The 300-foot level is reported to extend 300 feet south. An average of 0.08 ounce of gold and 8.00 ounces of silver a ton is believed by Utter to be a reasonable estimate of the grade of ore.

The vein crops out for more than 300 feet both north and south of the shaft, showing ore at numerous places. The Imperial tunnel, 350 feet north of the shaft, crosscuts 22 feet of vein material.

The vein at the Jim Crow shaft strikes N. 45°-60° W. and dips 70° to 75° S. It branches from the Imperial vein about 400 feet southeast of the shaft. Ore crops out along it at shallower shafts near its junction with the Imperial vein.

The Jim Crow main, or No. 3, shaft is 307 feet deep, inclined 75 degrees, and has levels at 44, 200, and 300 feet. Drifts at the 200-foot level were driven 396 feet southeast and 136 feet northwest of the shaft, and on the 300-foot level, 300 feet southeast. Ore widths of 8 to 10 feet were found in the northwest drift on the 200-foot level, but elsewhere in stopes and drifts of the mine, widths were 3 to 4 feet. The ore and the vein at the Jim Crow are similar to that at the Imperial.

Ore shipped from the Jim Crow, Imperial, and Gold King mines prior to 1914 is estimated by Livingstone Utter to total approximately 1000 tons valued at $50,000 to $75,000. From 1914 to 1936, production was 366,791 tons valued at $22,587. These values are based on the price of gold at $35 an ounce and silver at 77 cents an ounce. The ratio of gold to silver in 286 tons of ore shipped from the Jim Crow between 1914 and 1936 was 1:58 by weight and $1.00:$1.27 by value. Most of the production was from the Jim Crow.

Mount Royal. The Mount Royal mine is south of the Imperial and Jim Crow, along the Steeple Rock fault or a subparallel shear east of the main fault. The shaft, now inaccessible, is inclined 85° W and is reported to be 350 feet deep. The deposit was last worked in 1939; the ore extracted then averaged $8 to $12 a ton.

Laura. The Laura mine, northwest of the Alabama and Jim Crow, is in the SW¼ sec. 2, T. 17 S., R. 21 W. at the head of Laura Canyon on the east side of Vanderbilt Peak (Laura Mountain). In 1914, the shaft was 300 feet deep with levels at 200 and 250 feet. The ore was 18 inches wide at the bottom of the shaft. Billingsley (oral communication) reported that the mine was 700 feet deep, the shaft inclined 80° to 85° W, and it was last worked in 1940 or 1942. The mine is along the Steeple Rock fault.

New Year's Gift. The New Year's Gift mine is on the west side of Vanderbilt Peak. The shaft is reported to be 250 feet deep. It is probably along an extension of the Jim Crow vein.

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for the

U.S. Senate Committee on Interior and Insular Affairs

in cooperation with

New Mexico Bureau of Mines and Mineral Resources,
New Mexico Oil Conservation Commission
New Mexico State Engineer, *and*
U.S. Bureau of Mines

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New Mexico Institute of Mining and Technology
Socorro, New Mexico

Placer deposits

Gold-bearing placers occur in stream deposits, where the eroded gold has been concentrated by gravity through the action of moving water. Gold-bearing placers are scarce in New Mexico, the richer deposits were depleted by the early 1900's, and the lack of large volumes of water prevented any substantial mining of the lower grade deposits. The most productive placers were in the Old Placer, New Placer, and Hillsboro districts, where the gold was concentrated in dissected alluvial fans and in the gravels deposited by streams that reworked the fans. Stream gravels were productive in the Jarilla, Pinos Altos, White Oaks, and Nogal districts.

SILVER

(By A. J. Thompson, New Mexico Bureau of Mines and Mineral Resources, Socorro, N. Mex.)

Silver is a white metal with a metallic luster, is ductile, very malleable, and has the highest thermal and electrical conductivity of any substance. Since it is not easily oxidized, it is included among the "noble" metals. This characteristic, coupled with its malleability and pleasing color, accounts for silver having been employed by prehistoric man in making simple ornaments or other articles. Its relative scarcity and its resistance to attack under ordinary atmospheric conditions has made it a desirable material for use in coinage. Until recent times coinage remained the principal use of the metal. An estimated one-third of the world output of silver is in circulation as coinage or is held by governments for monetary purposes.

In recent years silver has been increasingly used for industrial purposes. An outstanding example of such use has been photographic materials. Motion pictures and other forms of photographic reproduction may not have been possible without silver. Other major industrial uses include the fabrication of sterling tableware, electroplating, silver solders, and brazing alloys. Although not of great significance from the standpoint of the quantity consumed, silver has been important to man in the field of medicine; silver salts have long been used for the control of certain diseases and as an antiseptic and a germicide.

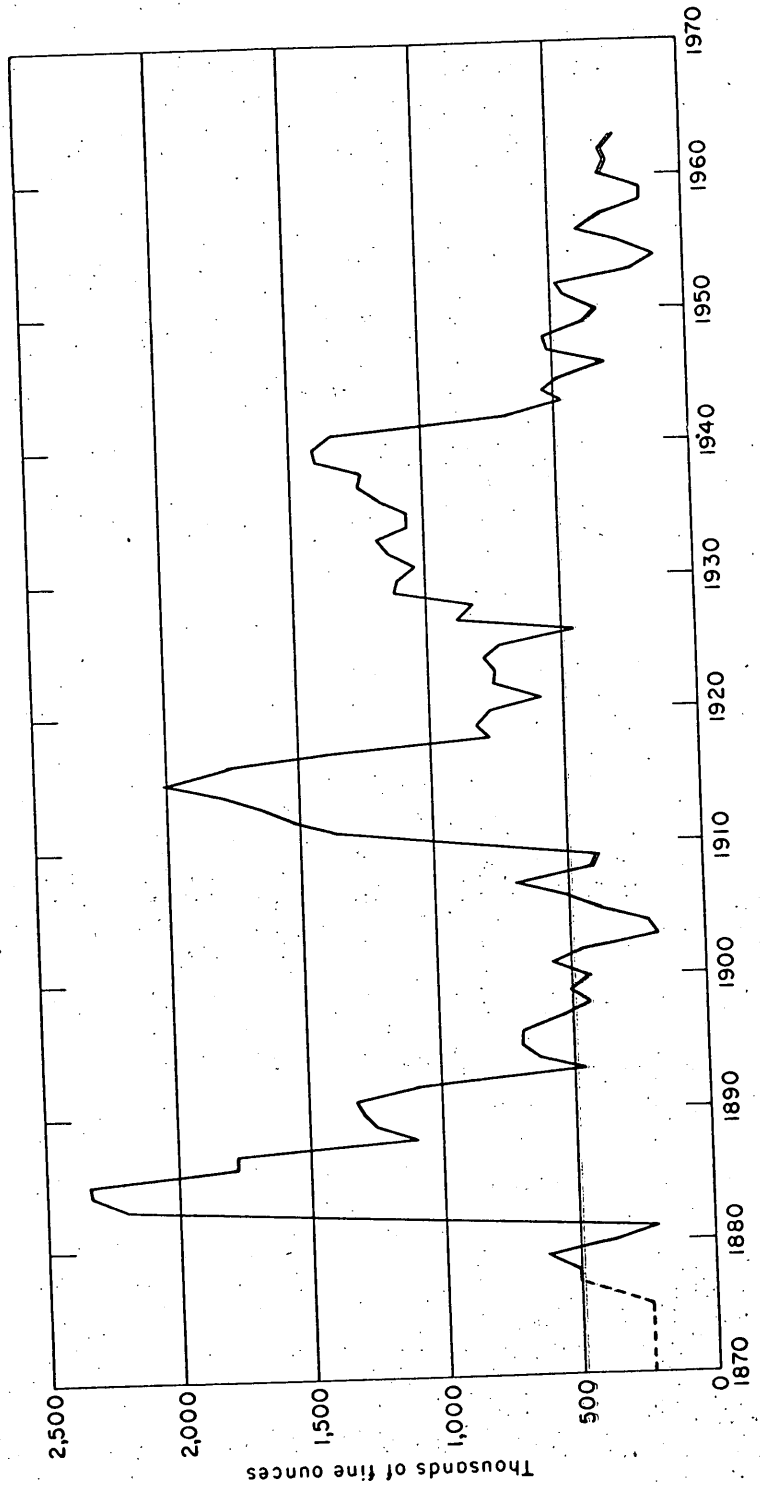
Although silver was widely mined and used in ancient and medieval times, its production was small compared to that which followed the discovery and development of rich deposits in the Americas after 1492. The world production of silver from 1492 to 1964 has been about 23 billion ounces. Of this total, about 80 percent was produced in the New World, North America contributing about 60 percent and South America contributing about 20 percent. Mexico produced about one-third of the world's total, the United States about 20 percent, and Peru and Bolivia about 9 percent each. Prior to 1919 the United States and Mexico alternated as the world's leading producer, but since 1919 Mexico has ranked first, in most years by a considerable margin. The United States contributed 29 percent of the world's silver in 1870, 40 percent in 1915, 25 percent in 1940, and about 15 percent in the period from 1960 to 1964.

In 1962 the total U.S. production of silver was 36.3 million ounces. Idaho, with a production of 17 million ounces, was by far the leading producing State. New Mexico, with a production of 282,000 ounces, ranked ninth (fig. 31).

Silver in New Mexico has been found mainly in, or near, areas that have been important producers of base metals (figs. 32 and 33). In many, if not most, base metal deposits silver occurs as argentiferous galena or as minute inclusions in other minerals. In these deposits silver ranges in amount from traces to ores in which silver is the most valuable constituent. Some factors that relate to the geologic distribution and occurrence of silver, as they pertain to deposits in New Mexico, are discussed in the chapter on lead in this report.

General history of silver mining in New Mexico.—There is evidence that some silver was mined in New Mexico in pre-Columbian times. However, the records are obscure and conflicting. Also, there is little evidence of any significant metal production during the period when the land that now is New Mexico was under Spanish or Mexican rule, except for copper mined at Santa Rita. For the period from 1848, the time of the first annexation of any part of New Mexico land to the United States, to 1880 no reliable figures on New Mexico's mineral production are available. However, data reported by U.S. Director of the Mint (1880, p. 158), indicate that New Mexico's silver production in this period may have been about 4 million ounces.

The first significant discovery of silver in New Mexico was made in 1863 at Pueblo Springs, near Magdalena, Socorro County. However, this discovery was not recognized at the time as an important find, nor did it soon result in any notable production of rich ore, so it did not spark a marked search for silver. Not until the silver ores at Georgetown were discovered in 1866, followed by an even richer find at Chloride Flat in 1871, did the importance of silver impress the early prospectors. The late 1870's and the decade of the 1880's comprised a period of great mining activity. The construction of railroads through New Mexico between 1879 and 1882 further stimulated the the search for mineral deposits. Practically all the precious- and the base-metal districts which later were worked had been discovered and developed by 1890. The epoch from 1880 to 1892 was essentially one of silver mining; copper and the other base metals were little sought and even gold received less consideration than silver. During those years the value of silver production in New Mexico was close to $20 million. Silver accounted for approximately two-thirds of the value of all the metals produced during this time interval. The main areas that were important as producers of silver are listed on table 16.


2,500
2,000
1,500
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Thousands of fine ounces
1870
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1940
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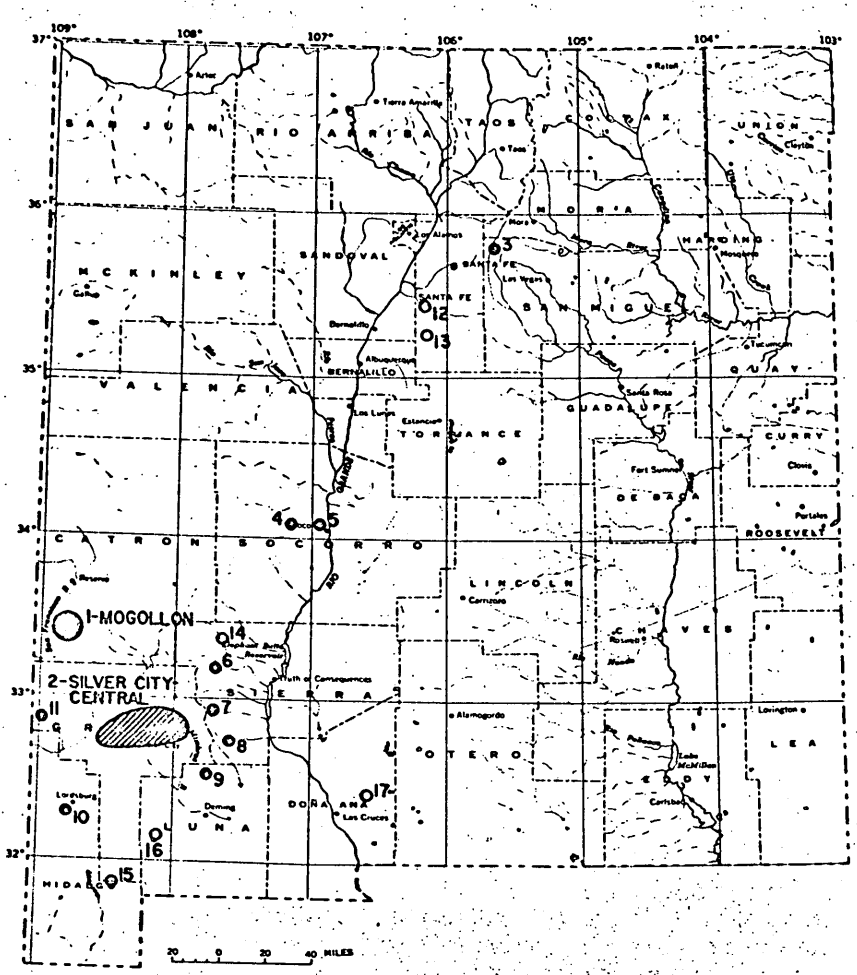
1960
1970



MAJOR AREAS	MINOR AREAS	OTHER AREAS
1. Mogollon	3. Pecos	12. Cerrillos
	4. Magdalena	13. San Pedro
2. Silver City - Central	5. Socorro	14. Cuchillo
	6. Hermosa	15. Hachita
	7. Kingston	16. Victorio
	8. Lake Valley	17. Organ
	9. Cooks Peak	
	10. Lordsburg	
	11. Steeple Rock	

FIGURE 32.—Silver in New Mexico.

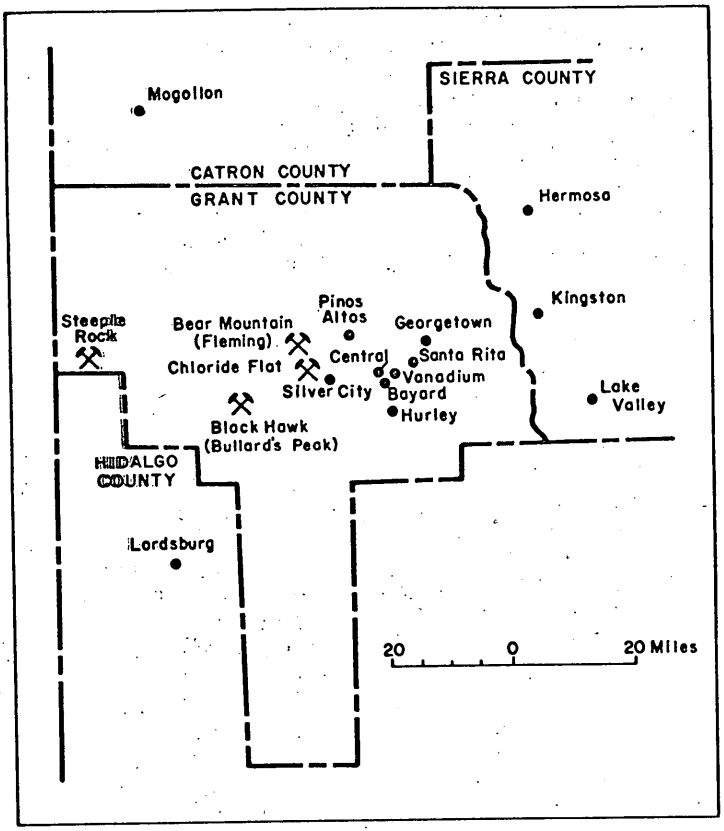


FIGURE 33.—Principal silver-producing areas in southwestern New Mexico.

TABLE 16.—*Silver-producing areas in New Mexico*

	Estimated production (ounces of silver)
Areas that produced silver as a major constituent of the ores:	
Mogollon	18,000,000
Silver City region:	
Chloride Flat	3,300,000
Georgetown	3,500,000
Black Hawk (Bullards Peak)	1,000,000
Fleming (Bear Mountain)	300,000
Lake Valley	5,500,000
Kingston	6,000,000
Hermosa	1,250,000
Socorro	750,000
Total	39,600,000
Areas that produced silver as a minor constituent of the ores:	
Ores of zinc and lead:	
Pecos	6,200,000
Bayard	6,500,000
Magdalena	4,000,000
Copper ores: Lordsburg	6,000,000
Gold ores:	
Steeple Rock	3,000,000
Pinos Altos	800,000
Total	26,500,000

With the discontinuation in 1893 of Government purchase of silver, as provided by the Sherman Act, and the marked drop in the price which ensued, the silver boom in New Mexico ended. Some of the famous silver camps, including Lake Valley, Georgetown, and Chloride Flat, ceased to exist as mining camps of significance. Mogollon continued for another half century as the greatest single silver-producing camp in New Mexico.

Of the silver that has been produced in New Mexico, amounting to approximately 75 million ounces, about 60 percent has been from districts that have been largely or almost entirely silver-producing areas. Most of the remaining silver has been derived as a byproduct of the production of the base-metal ores, zinc, lead, and copper. A small percentage of the total silver mined has been associated with ores valuable chiefly because of their gold content.

Three mining districts that have yielded large amounts of byproduct silver have been outstanding in their output of lead and zinc as well. These are the Pecos in San Miguel County, the Bayard in Grant County, and the Magdalena in Socorro County (fig. 32). Production in the Pecos district was relatively short lived, but the Bayard and the Magdalena districts have had few equals in years of production. Production from the Bayard district started nearly 100 years ago and still continues while the Magdalena district, although more sporadic in its mining activities, also has had about a century of mining history. Lordsburg, a fourth important producing area of byproduct silver, has been noteworthy for its copper also. Two gold mining camps, Steeple Rock and Pinos Altos, have provided an appreciable amount of silver.

Of the silver produced, prior to 1900, almost all was from silver ores. During the 40 years, 1900 to 1940, production was about equally divided between that derived from silver ores and that obtained as a byproduct from base-metal ores. During the last 20 years, byproduct silver from base-metal ores has accounted for 80 to 90 percent of the State's silver production.

The production of silver in New Mexico from 1848 to 1964 is summarized in table 17. The figures are given as a summary estimate for the years from 1848 to 1880 and for every fifth year thereafter, plus 1961 through 1963. A graph shows silver production in New Mexico from 1880 to 1963 (fig. 31).

TABLE 17.—*Silver production in New Mexico, selected years 1848–1963*

Year	Ounces	Average price	Value
1848–79 [1]	4,000,000	$1.25	$5,000,000
1885	2,344,000	1.07	2,508,000
1890	1,300,000	1.05	1,365,000
1895	695,000	.65	452,000
1900	434,000	.62	269,000
1905	369,000	.61	225,000
1910	844,000	.54	456,000
1915	2,006,000	.51	1,017,000
1920	768,000	1.09	837,000
1925	735,000	.69	510,000
1930	1,107,000	.39	426,000
1935	1,062,000	.72	763,000
1940	1,408,000	.71	1,001,000
1945	465,000	.71	331,000
1950	339,000	.905	306,000
1955	251,000	.905	227,000
1960	304,000	.905	275,000
1961	283,000	.925	261,000
1962	302,000	1.084	327,000
1963	256,000	1.279	328,000
Total (1848–1963)	74,490,000	----------	59,289,000

METALLIC MINERAL RESOURCES

GOLD

(By M. H. Bergendahl, U.S. Geological Survey, Denver, Colo.)

The durability, appearance, relative scarcity, and malleability of gold have contributed to its historic status as a precious metal, and as a consequence, the chief use of gold is in monetary systems, as coinage or as backing for currency. Considerable gold is used in manufacturing jewelry and in plating, binding, lettering, gilding, and interior decoration. Some gold is used in dentistry, the chemical industry, and glassmaking. Because of its resistance to corrosion and its infrared reflective properties, gold has certain uses in scientific instrumentation.

Gold occurs in a variety of natural forms: as the native element associated with quartz or metallic sulfides, alloyed with silver as electrum, or as gold telluride minerals, the most common of which are calaverite, sylvanite, krennerite, and petzite. More rarely gold occurs in compounds with mercury, bismuth, and chlorine.

History and Development

Mining began in New Mexico long before mineral discoveries were made in any of the other Western States. The copper deposits at Santa Rita were worked late in the 18th century, and placer gold mining was conducted as early as 1828 in the Ortiz Mountains south of Santa Fe. Gold lodes were mined in 1833 in the Ortiz Mountains.

New Mexico was incorporated as a Territory of the United States at the close of the Mexican War in 1846, but, because of its isolation, the general lack of knowledge of the region, and the hostility of the Apache Indians, prospectors and miners did not explore the new acquisition to any extent until after 1860. All mining in the Territory was suspended during the Confederate invasion in 1861–62, and after the Civil War mining was frequently interrupted by Indian raids (Lindgren, Graton, and Gordon, 1910, p. 18).

New ore discoveries in the 1860's and 1870's rekindled interest in mining in New Mexico. In 1865 gold placers were found in the Sierra Blanca in Lincoln County. The gold placers of Elizabethtown in Colfax County and silver-lead deposits at Magdalena in Socorro County both were found in 1866. In 1877 gold placers and gold-bearing quartz veins were found at Hillsboro, and in 1878 phenomenally rich silver ore was discovered at Lake Valley in Sierra County. Completion of the Southern Pacific and the Atchison, Topeka & Santa Fe Railroads through southern and central New Mexico from 1879 through 1882 stimulated development of many properties. The 1870's and 1880's were years of high silver production, but by the late 1890's, exhaustion of the rich oxidized ores and the financial depression of 1893 combined to reduce mining in the Territory to a low state of activity (Lindgren, Graton, and Gordon, 1910, p. 18, 19). The Mogollon district in Catron County was an outstanding exception to this trend and was the chief contributor of New Mexico's fairly high gold output in the 1890's (fig. 29).

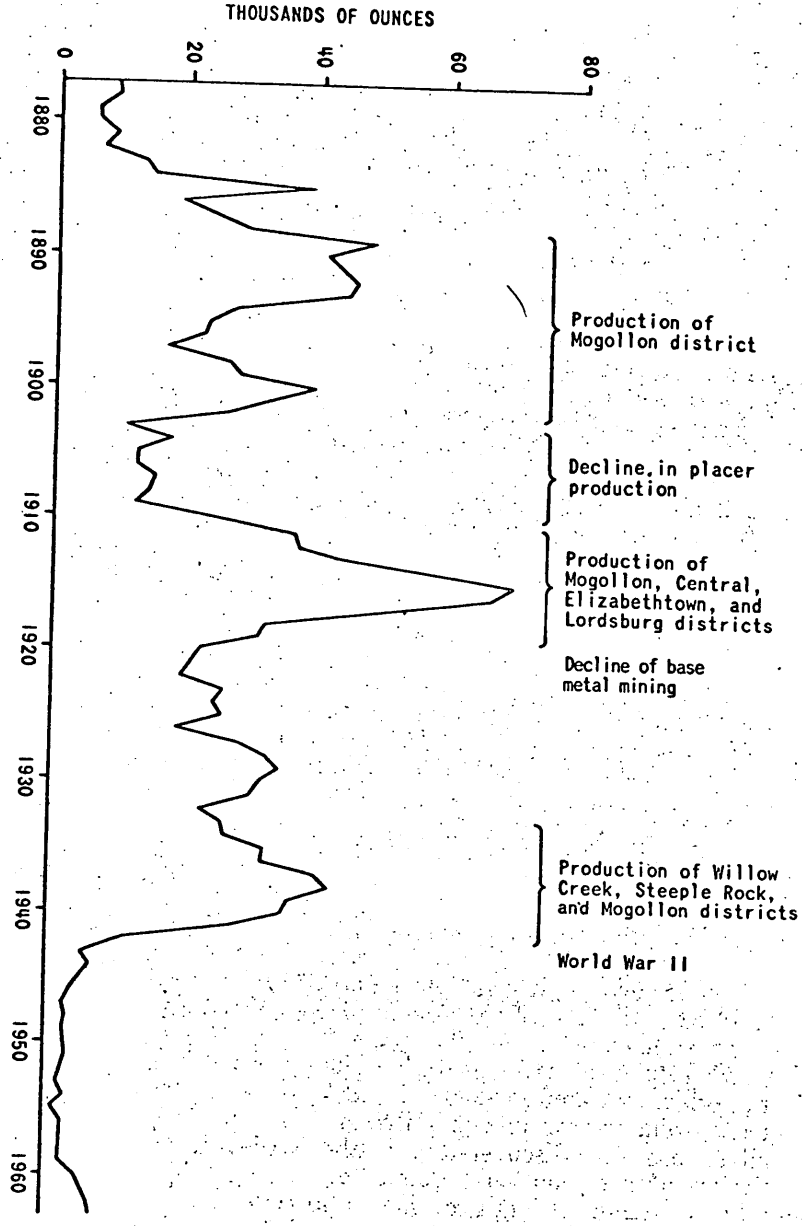


FIGURE 29.—Gold production in New Mexico, 1877–1963.

The rejuvenation of the mining industry in New Mexico and the other Western States began in the early 1900's with the development of new techniques of mining and milling, enabling the profitable exploitation of low-grade ores and extraction of byproducts. A new era of base-metal mining began, from which gold and silver were important byproducts. This relationship is noticeable in the contribution of byproduct gold from the large copper operations of the Central and Lordsburg districts to the high gold production of the State in the 1911–18 perid, and to the resultant decrease in gold output coincident with the decline in base-metal mining in the early 1920's (fig. 29). In the early 1960's nearly all of the gold produced in New Mexico was a byproduct from the Central and Lordsburg districts.

Production and Outlook

Faced with a gradual depletion of high-grade deposits and constantly increasing costs under a fixed selling price of $35 an ounce, the gold mining industry in the United States has been in a steady decline. From a high of more than 4.5 million ounces in 1940, production has dropped to 1.45 million ounces in 1963, a 6-percent decrease from 1962 and the lowest peacetime output in more than 100 years (U.S. Bureau of Mines Minerals Yearbook, preprint, 1964). The United States ranked fourth in world gold production in 1963. Production of gold throughout the world has been increasing. In 1963 a total of 51.7 million ounces was mined, an increase of 1.9 million ounces over 1962 and the 10th successive annual increase.

New Mexico is the 12th largest gold-producing State, with a total output of 2,251,014 ounces from 1848 through 1963. The State ranked 10th in 1963, when only 7,805 ounces were mined.

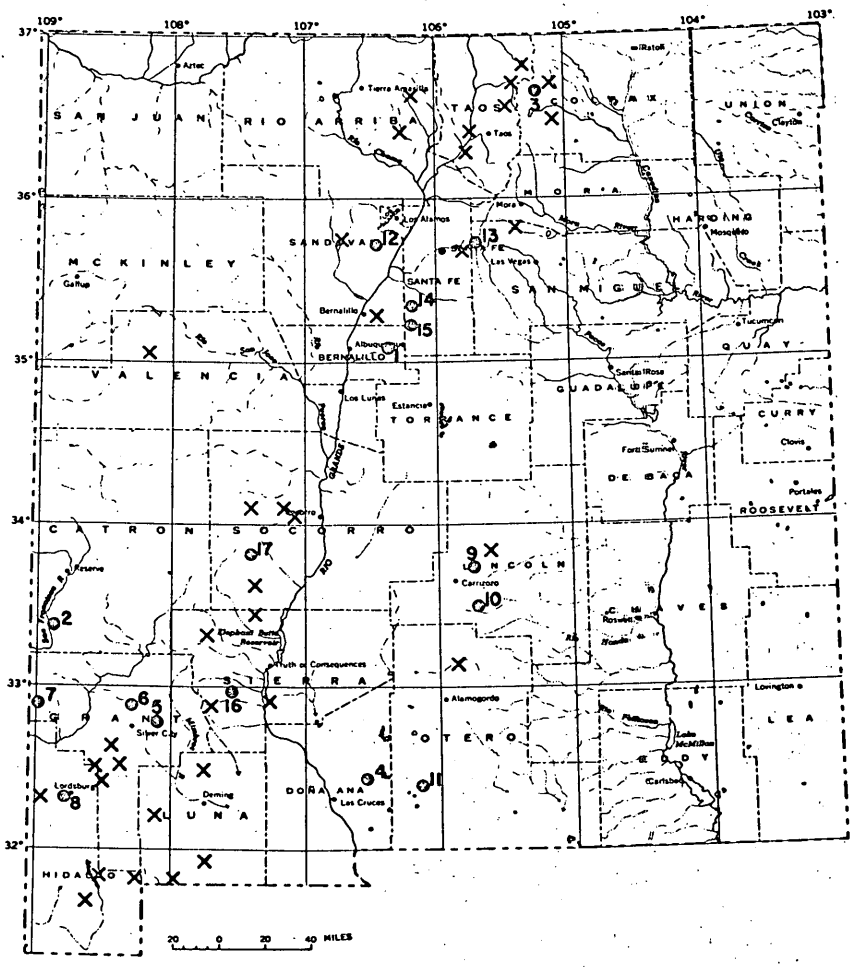
In general, gold mining in New Mexico has followed the national trend (fig. 29), and almost all gold currently produced is a byproduct of copper mining. The known placers and high-grade lodes are depleted, and at present no incentive exists to explore for new deposits. Under the present cost-price dilemma, gold production in New Mexico is dependent on the price fluctuations and production of copper. On the other hand the history of gold mining in New Mexico indicates that a favorable economic climate could support a fairly robust gold mining industry.

Distribution and Types of Deposits

The gold deposits of New Mexico are distributed in a belt of variable width that extends from Hidalgo County northeastward to Colfax County. This mineralized belt is a zone of crustal disturbance between the Colorado Plateau on the northwest and the Great Plains on the southeast. It is characterized by folded and faulted sedimentary rocks which are intruded by stocks, dikes, and laccoliths of monzonitic composition. A few deposits are Precambrian in age, but most are associated with Upper Cretaceous or Tertiary intrusive rocks.

The major gold deposits of New Mexico may be included under the following categories: fissue veins, replacement deposits, contact metasomatic deposits, and placers. In most districts several of the foregoing types occur; however, fissure veins have been the most promi-

nent source of gold. Seventeen mining districts in the State have produced a minimum total of 10,000 ounces of gold each (fig. 30). They are described in outline form in table 15.



EXPLANATION

● More than 10,000 ounces total production

× Less than 10,000 ounces total production

FIGURE 30.—Gold in New Mexico (numbers refer to districts listed in table 15).

TABLE 15.—*Major gold districts of New Mexico*—Continued

Map No.	District	Manner of occurrence	Gold production (ounces)	Remarks	References
		GRANT COUNTY			
5	Central	Contact metasomatic deposits in limestone (iron and zinc); veins related to quartz diorite and granodiorite intrusions (lead, zinc); disseminated copper deposits in granodiorite and intruded sedimentary rocks.	140,000	Gold is byproduct of base metal ores	Spencer and Paige, 1935; Lasky, 1936.
6	Pinos Altos	Placers in stream gravels; lodes in veins in Upper Cretaceous or Tertiary diorite and granodiorite bodies and in replacement deposits in limestone of Pennsylvanian age.	104,975 lode; 42,650 placer.	Gold is a byproduct of zinc-copper-silver ores.	Paige, 1911, p. 109–125.
7	Steeple Rock	Veins in volcanic rocks of probable Tertiary age.	135,000 minimum	Carlisle mine was chief producer	Lindgren, Graton, and Gordon, 1910, p. 327–328; Anderson, 1957, p. 76.
		HIDALGO COUNTY			
8	Lordsburg	Fissure viens associated with a late Cretaceous or early Tertiary granodiorite stock.	223,750 minimum	Gold is a byproduct of base metal ores.	Lasky, 1938.
		LINCOLN COUNTY			
9	White Oaks	Veins in a monzonite intrusive, lamprophyre dikes, and Cretaceous shale.	146,500	Small-scale placer activity in 1850's and 1860's.	Lindgren, Graton, and Gordon, 1910, p. 179–180; Jones, 1904, p. 172–175.
10	Nogal	Stringers and veins in monzonite porphyry and andesite, both of Late Cretaceous or Tertiary age.	12,850		Lindgren, Graton, and Gordon, 1910, p. 176–178.
		OTERO COUNTY			
11	Jarilla	Fracture zones in metamorphosed limestone of Carboniferous age; small placers.	16,500		Wells and Wootton, 1940, p. 14; Lindgren, Graton, and Gordon 1910, p. 185, 186.

Fissure veins

Fissure veins are mineralized fractures or faults in rocks of varied lithologic types and geologic ages. Prominent metallic minerals include pyrite, chalcopyrite, sphalerite, galena, tetrahedrite, argentite, native gold, bornite, enargite, chalcocite, molybdenite, pyrrhotite, and arsenopyrite. Gangue minerals are quartz, calcite, fluorite, tourmaline, barite, and siderite. In the Mogollon district large amounts of gold and silver were mined from veins in a thick section of Tertiary lavas and pyroclastic rocks interbedded with small amounts of sandstone and conglomerate (Ferguson, 1927, p. 5–25). Veins also yielded considerable gold in the Elizabethtown-Baldy district, where the principal ore bodies were in pockets and stringers in the basal conglomeratic sandsone of the Raton Formation just above its unconformable contact with the underlying Pierre Shale of Cretaceous age. Some ore is in the upper part of the Pierre Shale. The sedimentary rocks are intruded by dikes and sills of quartz monzonite porphyry (Lee, 1916, p. 327–330).

Veins in the Lordsburg district yielded large amounts of gold and considerable silver as byproducts of ores mined chiefly for copper. The ore deposits are in faults that cut a granodiorite stock of Late Cretaceous or early Tertiary age and basalt of early Cretaceous age. The mineralization is thought to be related to the closing stages of intrusive activity (Lasky, 1938, p. 24).

Other mining districts in New Mexico in which fissure veins have produced significant quantities of gold are Central, Pinos Altos, Steeple Rock, White Oaks, and Willow Creek.

Replacement deposits

Upward-migrating hydrothermal solutions sometimes encounter carbonate beds and replace the limestone or dolomite with sulfide minerals, some of which contain gold along with silver and base metals. These deposits are usually irregularly shaped and extend outward from fractures. The solutions are guided by fractures in, and porosity and chemical reactivity of the country rock. Common metallic minerals of replacement deposits are galena, pyrite, sphalerite, chalcopyrite, pyrrhotite, tetrahedrite, argentite, tennantite, enargite, and bornite. Gold is extremely fine-grained and usually occurs with pyrite. Gangue minerals are dolomite, quartz, calcite, barite, and clay minerals. If these sulfide deposits are oxidized gold and silver are concentrated and the primary sulfides are transformed to sulfates and carbonates. Oxidized ore is usually rich in the precious metals.

Replacement deposits are important sources of lead, zinc, silver, and copper in New Mexico, but have yielded relatively little gold. The Pinos Altos and New Placer districts probably have been the most important sources of gold from replacement deposits.

Contact metasomatic deposits

Sedimentary rocks adjacent to intrusive rocks usually show some chemical and thermal effects of the igneous body. This alteration ranges from relatively inconspicuous baking or hardening to a thorough transformation of the invaded rock. In places contact metasomatic ore bodies are formed. This type of deposit has been a relatively unimportant source of gold in New Mexico. In the Old Placer district, gold was extracted from gold-bearing chalcopyrite in a garnetized limestone (Lindgren, Graton, and Gordon, 1910, p. 169–170). Copper-rich contact metasomatic deposits in the New Placer district yielded gold and silver as byproducts (Lindgren, Graton, and Gordon,

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Excerpts from Bulletin No. 39
by Eugene Carter Anderson
and
Bulletin No. 83
by Elliot Gillerman

Just Arrived
Excerpts from Bulletin # 87 prepared by
U. S. Geological Survey
at request of
Senator Clinton P. Anderson

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A REPORT

of

EXAMINATION of MINING PROPERTIES

LOCATED in

THE STEEPLE ROCK MINING DISTRICT

GRANT COUNTY, NEW MEXICO

that BELONG to

M. & M. ENTERPRISES, INCORPORATED

ROSWELL, NEW MEXICO

DR. EMMET J. THORPE, PRESIDENT

E. C. Anderson

June 1965

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GENERAL STATEMENT

The M. & M. Enterprises Corporation of Roswell, New Mexico, is the owner of certain Mineral Lode Claims located in the Steeple Rock Mining District of Grant County, New Mexico. The corporation also has under lease for mineral exploration certain lands of the Public Domain located in the general vicinity of the Steeple Rock District.

The mining claims and a small part of the leased lands were examined by the writer during the first half

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of June 1965 at the request of Dr. Emmet J. Thorpe, President of the M. & M. Corporation.

The area controlled by this corporation is quite large. It comprises fifty-nine Lode Mining Claims, two Placer Claims and nearly five and one-half sections of leased land -- totaling about 4600 acres.

The time allowed for the examination of these lands was inadequate for a complete detailed investigation of the entire area. However, those parts of the property that were known to hold showings of mineral and certain other areas that appeared to be attractive for possibly finding mineral deposits of economic importance were examined carefully and positive conclusions were arrived at to justify recommending that exploratory work be done in some of these areas.

The minerals that have been produced in this district are gold, silver, lead and zinc. Some showings of copper mineral have been noted.

The CLAIMED LANDS

FINDINGS, CONCLUSIONS and RECOMMENDATIONS

FINDINGS

A reconnaissance examination of the claim holdings was made on June 2d and 3d. This survey disclosed that the claims designated as M.M. 1 to M.M. 53 are a con-

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tiguous group extending a distance of almost three miles along a major fault zone that strikes northwesterly and dips to the southwest at seventy to eighty degrees. Many of these claims are located to cover the fault zone but others toward the northwest end of the claimed area cover lands some distance from the fault zone.

The fault covered by the claims is large and prominent and it is known as the "East Camp Fault" and several mines located on it were large producers of gold and silver some years ago. These old mines are located near the southeast end of the M. and M. claimed area and are surrounded by the M. and M. claims.

It was observed that the M. and M. claims are properly marked with rock cairns and stakes at the corners and on the center line at the end boundaries. Discovery drill holes were observed and the drill cuttings were examined and found to contain mineral, chiefly pyrite (FeS_2).

A second group of six claims located in what is known as the "Hext Ranch" area, about one mile southwest of the larger claimed area, was examined in detail on June 5th and 10th. The claims in this group are designated M. and M. A-1 to A-6 on location notices filed in the County Clerk's office at Silver City. These claims also are well marked with rock cairns. They cover an area in

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which are several old pits. No recent (five years) diggings were found in the area. There is evidence that a small arrastra was operated in the area a great many years ago. The southeasterly extension of the Carlisle fault passes through the area.

While examining the M. and M. Claims No. 40 to 53 that are adjacent to the patented East Camp properties a number of claim location monuments more recent than the M. and M. monuments were observed. These claim markers contained lode claim location notes signed "Banner Mining Company by MacKenzie, Agent". These claims overlay the M. and M. claims in the area. This overclaiming will be discussed in the detail portion of this report.

The Lands Held by Lease from U.S.B.L.M.

It was found that most of these lands are inaccessible at this time except by horse or on foot. The nearest approach by Jeep is about two miles distant. Only a small part of these lands was examined.

CONCLUSIONS

Three comparatively small non-contiguous areas, comprising four to six claims each, are thought to merit consideration for early exploratory work. Two of these are within the larger claimed area. The third includes all of the M. and M. A group of claims in the Hext Ranch area.

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These areas, named in the order of their considered importance, are: (A) The M. and M. A group located in the Hext Ranch area and comprising six standard lode claims. (Since my first examination and at my recommendation this group has been increased to ten claims.) These claims appear to offer very good possibilities for finding minerals (Au, Ag and Cu) of economic importance. This conclusion is based on the finding of very attractive fragments of float ore that assayed well and on observed mineralized zones in place at several very old diggings found on the property. The M. and M. A claims are located on the southeasterly extension of the Carlisle Fault and are about two miles distant from the old Carlisle Mine.

(B) The claims group M. and M. No 1, 3, 4 and 5 located at the southwest edge near the center of the large claimed area and along the Croom Ranch - East Camp Mine road. Prior to my arrival on this property two vertical holes of considerable depth (237 and 70 feet) had been drilled on massive quartz dikes that occupy spur fault zones within this area. These holes cut silver and lead bearing zones. Small fragments of cores from both holes assayed very favorably. The depth of hole to the mineralized zone is known but the width or thickness of the zone was not determined. The vertical holes were drilled in a

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semi-vertical structure. The core recovery from both holes was very poor.

(C) This group of claims, M. and M. No. 34, 35, 36 and 37, covers an area in which was found several old diggings, the most important of which are the old Carnation prospect shaft, tunnel and open pits. They cover a portion of the East Camp Fault, also parts of several lesser faults. The diggings are in the fault zones and much pyrite mineralization shows in the dump material. Grab samples from the shaft dump assayed interesting gold values present. The area appears favorable for deep exploratory drilling.

These three groups of claims are considered by the writer to offer promising possibilities for finding commercial ore.

As regards the remaining claims in the overall holdings some, especially those that cover the northwestward extension of the East Camp Fault, may become of interest for deep exploratory drilling. Also, Claims M. and M. 41, 43, 45, 47, 49, 51 and 53, located at the southeast flank and adjacent to the patented East Camp property, may become of interest should the East Camp Mine be reopened. It is known that minor spur faults from the main fault reach into parts of this area.

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Claims M. and M. No. 40, 42, 44, 46, 48, 50 and 52, located at the northeast of flank and adjacent to the patented East Camp Mine land do not appear attractive.

It is very probable that lands covered by both the claim groups were thoroughly explored by the operators of the East Camp Mine while those mines were active.

The claim group M. and M. No. 18 to 29 does not appear at all attractive for finding mineral deposits that would be of economic interest.

Claims 30 to 33, inclusive, cover very heavy quartz masses on high ground at the west-northwest of the large claimed area and are not thought to be of interest at this time.

RECOMMENDATIONS

Area A In the Hext Ranch Area

(1) It is recommended that four additional standard lode claims be located extending east-northeasterly from Claims M. and M. A-3 and 4 to cover the Carlisle Fault and the junction of a lesser fault that comes in from the east.

(2) It is recommended that exploratory core holes be drilled at sites designated by the writer on Claims No. 1 and 3, these holes to be slanted at such an angle as to cut the fault zone normal to the dip of the

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fault in that area and at depths of sixty to eighty feet below the surface of the ground. In drilling the holes special care must be exercised in order to recover as much core as possible through the fractured fault zone. Additional drilling will be determined by the information gained from the two holes recommended.

Area B At the Claims M. and M. 1, 3, 4 and 5 Area

(1) It is recommended that angle holes be drilled to cut completely across the structure at the depths that mineralization was encountered in the vertical holes that were drilled previously. Drill sites for the recommended holes have been designated by the writer. The holes should go entirely through the formation being drilled. Additional drilling will depend, of course, upon findings in the first two holes.

Area C At the Claims M. and M. 34 to 37 Area

(1) It is recommended that at least two holes be drilled in this area. The first should be drilled to cut the East Camp fault structure at a depth of forty or fifty feet below the bottom of the old Carnation shaft. Strong pyrite mineralization that assayed appreciable gold is evident in the shaft dump. A suitable drill station for this hole was located in the bottom of a nearby

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arroyo.

(2) The second exploratory hole should be drilled to cut the junction of a lesser fault with the East Camp Fault about 200 feet southeast of the Carnation shaft. This hole should be sloped to cut the fault zone at a depth of fifty to seventy feet below ground surface. Subsequent drilling in this area will depend, of course, on findings in the two holes recommended.

As regards the remaining claims in the M. and M. holdings it is recommended that Claims M. and M. 18 to 29 be dropped, that Claims 6 through 17 be kept. These claims straddle the East Camp Fault and extend to the patented ground of the Progress Mining Company at the northwest. Claims 30 to 33 are not attractive, as also are not Claims 40, 42, 44, 46, 48, 50 and 52. I would be dropped by not recording assessment work for the year 1966.

Placer Claims

The Placer Claims Chico 1 and 2 should be held for further examination.

The Leased Lands

It is recommended that all the lands acquired by lease be held for more complete examination.

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DETAIL of REPORT

LOCATION of PROPERTIES

The M. and M. claimed properties are located in the Steeple Rock District of southwestern Grant County, New Mexico. They can be more particularly described as being in Sections 6, 8 and 20, T 17 S, R 20 W, with very small overlaps into Sections 5, 7 and 16, and Section 1, T 17 S, R 21 W, And Section 36, T 16 S, R 21 W.

The leased lands are Section 20 - SE$\frac{1}{4}$ of SE$\frac{1}{4}$, Section 22 - NE$\frac{1}{4}$, Section 23 - NW$\frac{1}{4}$ of NW$\frac{1}{4}$, E$\frac{1}{2}$, E$\frac{1}{2}$ of W$\frac{1}{2}$, all of Sections 25, 26, 34, 35, 36 and Section 27 - S$\frac{1}{2}$, all in T 17 S, R 20 W.

The elevation ranges from 5000 feet to 5600 feet in the claimed areas and from 4800 to 5100 feet in the leased areas.

The topography is rough ranging to rugged. The claimed area is cut by a large, very prominent fault with many lesser faults, dikes and deep canyons. Parts of the area are inaccessible except on horse or on foot. The leased areas are cut by faults and large, dry arroyos with deep canyons. Most of these lands are inaccessible at this time except on foot.

A very good ranch - mine road cuts across some of the claims and serves the general area of the claims. From

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this road Jeep trails lead to the more accessible claims and one small part of the leased lands. A very good ranch road goes from the paved highway at Virden to the Mud Springs Ranch within two miles of the large leased area. At one time a Jeep trail up the arroyo made much of the leased lands accessible. This trail was obliterated by flash floods in recent years making the lands accessible at this time only by horse or on foot.

OWNERSHIP and OPTION

All of the M. and M. claims belong to the M. and M. Corporation by right of location and possession.

In the areas of Claims M. and M. 40 to 53 which cover both flanks of the East Camp patented lands the Banner Mining Company has overclaimed the M. and M. holdings. Their locations were made some days subsequent to the M. and M. stakings and drilling of discovery holes. This was noted at the time of my visit to the properties June 1st to 5th. At that time there was no evidence of discovery work having been done on the Banner claims.

While we were on the properties June 10th to 13th Banner moved in equipment and started digging pits on its southeasternmost claims. These, according to the men doing the work, were to be discovery pits for their claim locations. The pit first observed is within about a hun-

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dred feet of the nearest M. and M. claim monument and the M. and M. discovery drill hole.

The M. and M. A claims, located in Section 20, T 17 S, R 20 W, are located over a series of very old pits, shafts and tunnels. These workings are very old as indicated by the vegetation growing in the pits and on the spoil dumps. There is no evidence of any work having been done in the area within the past ten or, more probably, fifty years.

The M. and M. claims have all been located and the monuments erected within the past few months, i.e. since March 1965. They are recorded in the Grant County Clerk's office as "Standard Lode" claims and two placer claims.

There has been no work done on these claims by M. and M. Corporation other than the discovery drill holes and two fairly deep (237 and 70 feet) exploratory holes on Claims 1 and 3. Several very old prospect pits and caved shallow shafts were observed on some of the claims. There is no evidence of work having been done in recent years.

GEOLOGY

The claims are located to cover an area in which dacite (or andesite) is the most prominent rock mass. Rhyolite occurs in limited areas. These two main rock

EMMET J. THORPE, M. D.
ORTHOPAEDIC SURGERY
[illegible] WEST [illegible] STREET PHONE: 622-8740
ROSWELL, NEW MEXICO

masses have been greatly fractured by at least two major faults, the East Camp Fault at the east and the Carlisle Fault at the west. Many lesser sumpathetic or drag faults occur between the two. The fault fissures are occupied by massive quartz dikes which in turn show evidence of strong secondary faulting.

The ore in the district has been found in the fault zones within the quartz masses and highly altered zones. Deposits in the East Camp Fault and in the Carlisle Fault have been the most productive in the district although some production has been had from the more prominent cross fault zones.

The district has been primarily a gold - silver producer. However, very appreciable amounts of lead and zinc were recovered from the Carlisle Mine which is located at the junction of three minor faults with the Carlisle. The lead - zinc production came from the lower workings of the mine.

The minerals found so far on the M. and M. claims have been gold, silver and copper and much pyrite (FeS_2). The findings have been in the form of float, exposures in old pits, outcrops in arroyos, in dumps at old shafts and much pyrite in the discovery drill holes.

EMMET J. THORPE, M. D.
ORTHOPAEDIC SURGERY
211 WEST FOURTH STREET PHONE: 622-9740
ROSWELL, NEW MEXICO

PRODUCTION

No production has been had by the M. and M. people nor has any ever been reported from their holdings. Large production of gold and silver came from the East Camp Mine located on the East Camp Fault. These mines are surrounded on two sides and one end by M. and M. Claims and it is very evident that minor fault fractures enter the M. and M. holdings.

It is proposed to explore the more favorable appearing areas of the M. and M. holdings by core drilling and to prove up favorable reserves before beginning development work. Any production will be through shafts.

No firm estimate of costs for the exploratory drilling can be made at this time. However, by using the corporation owned drill rig and operators the cost per foot of hole may be about three to five dollars.

The PLACER CLAIMS

The two M. and M. placer claims are located in the southwest quarter of Section 6, T 17 S, R 20 W. They are partly covered by Lode Claims M. and M. 1 to 5. They straddle the main access road coming into the area and occupy an area of bench or gently sloping lands that break away from several large quartz dikes and extend to include beds of two large arroyos. Two large quartz dikes are

EMMET J. THORPE, M. D.
ORTHOPAEDIC SURGERY
211 WEST FOURTH STREET PHONE: 622-8740
ROSWELL, NEW MEXICO

within the claim boundaries.

One exploratory pit has been dug on the claims. Samples from the pit did not assay well.

The arroyo beds and other bench areas will be examined and sampled.

This report has been prepared and is respectfully presented by

E. C. Anderson

E. C. Anderson

Mining Engineer - Geologist
New Mexico License No. 135

Socorro, New Mexico

EMMET J. THORPE, M. D.
ORTHOPAEDIC SURGERY
211 WEST FOURTH STREET PHONE: 622-9740
ROSWELL, NEW MEXICO

June 22, 1965

ADDENDUM

to

REPORT of EXAMINATION of MINING PROPERTIES

LOCATED in the STEEPLE ROCK MINING DISTRICT

GRANT COUNTY, NEW MEXICO

that BELONG to

M. & M. ENTERPRISES, INCORPORATED

ROSWELL, NEW MEXICO

- - - - - - - - - - - - - - - - -

STATEMENT RE ACCESSIBILITY

At the time of the examination of the M. and M. properties and the preparation of the report the inaccessibility of certain groups of claims, except by Jeep or other four-wheel drive vehicles or by horse or on foot, was emphasized. It was not the intention of the writer to imply that the areas could not be made accessible by car or truck at a reasonable cost.

Areas B and C, that are recommended for early exploratory drilling are readily accessible by car or truck at the present time. Area A, covered by the M. and M. A claims, is presently accessible by Jeep or four-speed pickup truck. A core drill rig mounted on a Dodge power

EMMET J. THORPE, M. D.
ORTHOPAEDIC SURGERY
211 WEST FOURTH STREET PHONE [illegible]
ROSWELL, NEW MEXICO

wagon has moved onto the claims without difficulty.

These claims can be made readily accessible by car and haulage truck by improving the present primitive road from the East Camp Mine area at the north and/or the Jeep trail along the Steeple Rock Canyon to Virden at the southwest. The cost of improving either or both of these roads would not be excessive. A few swipes with a bull-dozer would suffice to make them usable by car or truck.

Both approaches to the M. and M. A area should be improved if this property proves up as expected.

Access to other claimed areas and the leased lands can be had by repairing and improving old roads and trails should exploratory work in these areas indicate easy access if desirable. The costs for the necessary road improvements would be determined after a reconnaissance examination is made.

E. C. Anderson

Mining Engineer - Geologist
New Mexico License No. 135

Socorro, New Mexico

EMMETT J. THOMPE, M. D.
ORTHOPAEDIC SURGERY
211 WEST FOURTH STREET PHONE: 622-0740
ROSWELL, NEW MEXICO

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 24 day of May, A.D., 19 65 at 10:40 o'clock a M.

Betty J. Turner
Co. Clerk

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # A-1 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 15th day of May, 19 65 claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.W. to S.E. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 20, Township 17 S, Range 20 W., N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The South East Corner Monument of this claim is located 300 feet South of the Hext Place (Site) windmill. The Hext Place Site ~~xx~~ refered to in this Mining Claim is the same Hext Place Site refered to and located in Section 20, Township 17 South, Range 20 West, on United States Department Of The Interior Geological Survey Map, Steeple Rock Quadrangle, New Mexico, 15 Minute Series, (Topographic) dated 1959. This claim then extends 1500 feet West, being a total of 600 feet wide, ~~xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx~~

The location of this claim and the posting of this notice thereon was done in the presence of

_____

_____

who witnessed the same.

Located and claimed by

M&M Enterprises

Emmet J. Thorpe

Emmet J. Thorpe, M.D.

Ernest E. Murphy

Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 20 day of May, 19 65, before me

appeared _____

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

DOROTHEA A. BELL NOTARY PUBLIC CHAVES COUNTY

My commission expires: 7/26/68

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 24th day of May, 19 65, at 10:40 o'clock a M., and has been duly recorded in Book 54, page 184, of the Records in my office.

Betty J. Turner
County Clerk

By Edith Stanley
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S Filed for record on 24 day of May, A.D., 1965 at 10:40 o'clock A M

185

Betty J. Turner
Co. Clerk

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # A-2 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 15th day of May, 1965 claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a S.E. to N.W. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 20, Township 17 S, Range 20 W, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The South East Corner Monument of this claim is located adjacent to the North East Corner Monument of M&M # A-1 Lode Mining Claim, then extending 1500 feet West, being 600 feet wide, and lie's and runs parallel to M&M # A-1 Lode Mining Claim.

The location of this claim and the posting of this notice thereon was done in the presence of

who witnessed the same.

Located and claimed by

M&M Enterprise

Emmet J. Thorpe, M.D.

Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 20 day of May, 1965, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires 7/26/68

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 24th day of May, 1965, at 10:40 o'clock A M., and has been duly recorded in Book 51, page 185, of the Records in my office.

Betty J. Turner
County Clerk

By Edith Staley
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 24 day of May, A.D., 19 65 at 10:40 o'clock AM

Betty J. Turner
Co. Clerk

186

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # A-3 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 15th day of May, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a S.E. to N.W. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments. one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 20, Township 17 S, Range 20 W, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The East end of this claim abuts the West end of M&M # A-1 Lode Mining Claim, then extends West for a distince of 1500 feet, being a total of 600 feet wide.

The location of this claim and the posting of this notice thereon was done in the presence of

who witnessed the same.

Located and claimed by

M&M Enterprise

Emmet J. Thorpe, M.D.

Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 20 day of May, 19 65, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 2-26-68

STATE OF NEW MEXICO,
County of Grant }

I hereby certify that this instrument was filed for record on the 24th day of May, 19 65, at 10:40 o'clock A.M., and has been duly recorded in Book 54, page 186, of the Records in my office.

Betty J. Turner
County Clerk

By Edith Stanley
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 24 day of May, A.D., 1965 at 10:40 o'clock AM

Betty J. Hibbard
Co. Clerk

187

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # A-4 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 15th day of May, 1965, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a S.E. to N.W. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 20, Township 17 S., Range 20 W., N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The Esat end of this claim abuts the West end of M&M # A-2 Lode Mining Claim, then extends 1500 feet West, being 600 feet wide. This claim further lie's and runs parallel to M&M # A-3 Lode Mining Claim.

The location of this claim and the posting of this notice thereon was done in the presence of

who witnessed the same.

Located and claimed by

M&M #Enterprise,

Emmet J. Thorne, M.D.

Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 20 day of May, 1965, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorathea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 7-26-68

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 24th day of May, 1965, at 10:40 o'clock A.M., and has been duly recorded in Book 54 page 187 of the Records in my office.

Betty J. Hibbard
County Clerk

By Edith Staley
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 24 day of May, A.D., 1965 at 10:40 o'clock a M

Betty J. Turner
Co. Clerk

188

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # A-5 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 15th day of May, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.W. to S.E. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 20, Township 17 S., Range 20 W., N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The West end of this claim is located and abuts the East end of the M&M # A-1 Lode Mining Claim. This claim then extends East for a distince of 1500 feet, being 600 feet wide.

The location of this claim and the posting of this notice thereon was done in the presence of

who witnessed the same.

Located and claimed by

M&M Enterprise,

Emmet J. Thorp, M.D.

Ernest E. Murphy

Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 20 day of May, 19 65, before me personally appeared

described in and who executed the foregoing instrument, and acknowledged that

executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 2-26-68

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 24th day of May, 19 65, at 10:40 o'clock a M., and has been duly recorded in Book 54, page 188, of the Records in my office.

Betty J. Turner
County Clerk

By Edith Stailey
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S Filed for record on 24 day of May, A.D., 1965 at 10:40 o'clock AM

Betty J. Turner
Co. Clerk

189

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # A-6 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 15th day of May, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.W. to S.E. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 20, Township 17 S., Range 20 W., N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The West end of this claim abuts the East end of M&M # A-2 Lode Mining Claim. This claim then extends East for a distince of 1500 feet, being 600 feet wide.

The location of this claim and the posting of this notice thereon was done in the presence of

who witnessed the same.

Located and claimed by

~~M&M Enterprise, Inc.~~

Emmet J. Thorpe, M.D.

~~Ernest E. Murphy~~

Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 20 day of May, 1965, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 2-26-68

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 24th day of May, 19 65, at 10:40 o'clock A.M., and has been duly recorded in Book 54 page 189 of the Records in my office.

Betty J. Turner
County Clerk

By Edith Stailey
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 10 day of June A.D., 1965 at 10 36 o'clock a M

Betty J. Turner
Co. Clerk

219

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # A-7 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 12th day of May, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a Westerly to ~~Easterly~~ direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 20, Township 17 South, Range 20 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The East end of this claim abuts the west end of M&M Lode Mining Claim # A-3, then extends 1500 feet in a westerly direction being a total of 600 feet wide, and is further located approximately 10 miles in a northly direction from Virden, New Mexico.

The location of this claim and the posting of this notice thereon was done in the presence of

_____

_____

who witnessed the same.

Located and claimed by

M&M Enterprise Inc.

~~Ernest J. Thorpe, M.D.~~

Ernest E. Murphy
Ernest E. Murphy

STATE OF NEW MEXICO,
County of Grant } ss.

On this 10 day of June, 19 65, before me personally appeared Ernest E. Murphy to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

WITNESS my hand and seal the day and year last above written.

My commission expires 8/6/67

Jean Z. Keston
Notary Public

STATE OF NEW MEXICO,
County of _____ } ss.

I hereby certify that this instrument was filed for record on the _____ day of _____, 19_____, at _____ o'clock _____ M., and has been duly recorded in Book _____, page _____, of the Records in my office.

_____
County Clerk

By _____
Deputy

STATE OF NEW MEXICO, }ss
COUNTY OF GRANT, }

I hereby certify that the within instrument of writing was filed for record in my office on the 10 day of June A.D., 1965 at 10 o'clock 36 minutes A M., and recorded in Book 54 Mine Locations Page 349

Betty Jo Turner
County Clerk

By Betty Clayton
Deputy

STATE OF NEW MEXICO, }ss
COUNTY OF GRANT, }

I hereby certify that the within instrument of writing was filed for record in my office on the _____ day of _____ A.D., 19____ at _____ minutes ____ M., and recorded in Book _____ Page _____

_____
County Clerk

By _____
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S
220

Filed for record on 10 day of June A.D., 1965 at 10:36 o'clock AM.

Betty J. Co. Clerk

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # A-8 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 12th day of May, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a Westerly to Easterly direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 20, Township 17 South, Range 20 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The East end of this claim abuts the West end of M&M Lode Mining Claim # A-2, then extends 1500 feet in a westerly direction being a total of 600 feet wide, and is further located approximately 10 miles in a northley direction from Virden, New Mexico.

The location of this claim and the posting of this notice thereon was done in the presence of

_____

_____

who witnessed the same.

Located and claimed by

M&M Enterprise, Inc.

Emmet J. Thorpe, M.D.

Ernest E. Murphy

Ernest E. Murphy

STATE OF NEW MEXICO,
County of Grant } ss.

On this 10 day of June, 19 65, before me personally appeared Ernest E. Murphy to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

WITNESS my hand and seal the day and year last above written.

My commission expires 8/6/67

Jean Z. Norton
Notary Public

STATE OF NEW MEXICO,
County of _____ } ss.

I hereby certify that this instrument was filed for record on the _____ day of _____, 19_____, at _____ o'clock _____ M., and has been duly recorded in Book _____, page _____, of the Records in my office.

_____ County Clerk

By _____ Deputy

STATE OF NEW MEXICO,
COUNTY OF GRANT, } ss

I hereby certify that the within instrument of writing was filed for record in my office on the 10 day of June A.D., 1965 at 10 o'clock 36 minutes A.M., and recorded in Book 54 Page 270

Betty J. Turner
County Clerk

By Betty Claptaw
Deputy

GRANT COUNTY

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 10 day of June, A.D., 1965 at 10:36 o'clock AM

Betty J. Turner
Co. Clerk

221

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # A-9 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 12th day of May, 1965, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a Westerly to Easterly direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 20, Township 17 South, Range 20 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The East end of this claim abuts the West end of M&M Lode Mining Claim # A-7, then extends 1500 feet in a Westerly direction being a total of 600 feet wide, and is further located approximately 10 miles in a northly direction from Virden, New Mexico.

The location of this claim and the posting of this notice thereon was done in the presence of

who witnessed the same.

Located and claimed by

M&M Enterprise, Inc.

Emmet J. Thorpe, M.D.

Ernest E. Murphy
Ernest E. Murphy

STATE OF NEW MEXICO,
County of Grant } ss. On this 10th day of June, 1965, before me personally appeared Ernest E. Murphy to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

WITNESS my hand and seal the day and year last above written.

Jean F. Norton
Notary Public

My commission expires 8/6/67

STATE OF NEW MEXICO,
County of } ss. I hereby certify that this instrument was filed for record on the day of, 19, at o'clock M., and has been duly recorded in Book, page, of the Records in my office.

County Clerk By Deputy

STATE OF NEW MEXICO, }ss
COUNTY OF GRANT, }

was filed for record in my office on the 10 day of June A.D., 19 65 at 10 o'clock 36 minutes A. M., and recorded in Book 54 Mine Location Page 221

Betty J. Turner
County Clerk

By Betty Clapton
Deputy

COUNTY CLERK GRANT COUNTY

222

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 10 day of June A.D., 19 65 at 10:56 o'clock AM

Betty J. Turner
Co. Clerk

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # A-10 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 12th day of May, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a Westerly to Easterly direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 20, Township 17 South, Range 20 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The East end of this claim abuts the West end of M&M Lode Mining Claim # A-8, then extends 1500 feet in a Westerly direction being a total of 600 feet wide, and is further located approximately 10 miles in a northly direction from Virden, New Mexico.

The location of this claim and the posting of this notice thereon was done in the presence of

_____

_____

who witnessed the same.

Located and claimed by

M&M Enterprise, Inc.

Emmet J. Thorpe, M.D.

Ernest E. Murphy

Ernest E. Murphy

STATE OF NEW MEXICO,
County of Grant } ss.

On this 10 day of June, 19 65, before me personally appeared Ernest E. Murphy to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

WITNESS my hand and seal the day and year last above written.

My commission expires: 8/6/67

Jean Z Neston
Notary Public

STATE OF NEW MEXICO,
County of _____ } ss.

I hereby certify that this instrument was filed for record on the _____ day of _____, 19 _____, at _____ o'clock _____ M., and has been duly recorded in Book _____, page _____, of the Records in my office.

_____ County Clerk

By _____ Deputy

STATE OF NEW MEXICO, }ss
COUNTY OF GRANT,

I hereby certify that the within instrument of writing was filed for record in my office on the 10 day of June A.D., 19 65 at 10 o'clock 36 minutes A. M., and recorded in Book 54 Mine Locations Page 292

Betty J. Turner
County Clerk

By Betty Clayton
Deputy

COUNTY CLERK GRANT COUNTY

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 23 day of June A.D., 1965 at 10:01 o'clock a M

Co. Clerk

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # A-11 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 18th day of June, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a Easterly to Westerly direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 18, Township 17 South, Range 20 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The Southeast end of this claim abuts the Northwest end of M&M # A-9 Lode Mining Claim. This claim then extends 1500 feet in a Westerly direction, and is a total of 600 feet wide.

The location of this claim and the posting of this notice thereon was done in the presence of

H. H. Murphy

H.H. Murphy
who witnessed the same.

Located and claimed by

M&M Enterprise, Inc.

Ernest E. Murphy

Ernest E. Murphy

STATE OF NEW MEXICO,
County of } ss. On this 23 day of June, 19 65, before me personally appeared Ernest E. Murphy to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

WITNESS my hand and seal the day and year last above written.

My commission expires: 8/6/67

Jean Z. Norton
Notary Public

STATE OF NEW MEXICO,
County of } ss. I hereby certify that this instrument was filed for record on the day of, 19, at o'clock M., and has been duly recorded in Book, page, of the Records in my office.

County Clerk By Deputy

STATE OF NEW MEXICO,
COUNTY OF GRANT, } ss

[illegible] day of
June A.D., 1965 at 11 o'clock 01
minutes A M., and recorded in Book 54
Mine Location Page 248

Betty J. Turner
County Clerk

By Betty Clayton
Deputy

GRANT COUNTY

THE VALLIANT CO. ALBUQUERQUE, N. M.

229

106-S

Filed for record on 23 day of June, A.D., 19 65 at 11 o'clock 01 M

Betty J. Turner
Co. Clerk

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # A-12 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 18th day of June, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a Easterly to Westerly direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 18, Township 17 South Range 20 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The Southeast end of this claim abuts the Northwest end of M&M # A-10 Lode Mining Claim. This claim then extends 1500 feet in a Westerly direction, and is a total of 600 feet wide.

The location of this claim and the posting of this notice thereon was done in the presence of

H. H. Murphy
H.H. Murphy
who witnessed the same.

Located and claimed by

M&M Enterprise, Inc.
Ernest E. Murphy
Ernest E. Murphy

STATE OF NEW MEXICO,
County of } ss.

On this 23 day of June, 19 5, before me personally appeared Ernest E. Murphy to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

WITNESS my hand and seal the day and year last above written.

Jean Z. Paxton
Notary Public

My commission expires: 8/6/67

STATE OF NEW MEXICO,
County of } ss.

I hereby certify that this instrument was filed for record on the day of, 19, at o'clock M., and has been duly recorded in Book, page, of the Records in my office.

County Clerk

By
Deputy

STATE OF NEW MEXICO, }ss
COUNTY OF GRANT, }
I hereby certify that the within ins
was filed for record the
day of
Book 54
Page 29
Betty J. Turner
County Clerk
By Betty Claflin
Deputy
COUNTY OF GRANT CO

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 23 day of June A.D., 1965 at 11 o'clock A M 230

Betty J. Turner
Co. Clerk

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # A-13 Mining Claim

STEEPLE ROCK Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 21 day of June, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a Southeast to Northwest direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 20, Township 17 South, Range 20 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The South East Corner Monuments of this claim is located and abuted against the Northeast Corner Monument of M&M # A-1 Lode Mining Claim. This claim then extends 1500 feet in a Westerly direction and lie's parallel to M&M # A-1 Lode Mining Claim, being a total of 600 feet wide.

The location of this claim and the posting of this notice thereon was done in the presence of

H. H. Murphy
H.H. Murphy
who witnessed the same.

Located and claimed by

M&M Enterprise, Inc.
Ernest E. Murphy
Ernest E. Murphy

STATE OF NEW MEXICO,
County of Grant } ss. On this 23 day of June, 19 65, before me personally appeared Ernest E. Murphy to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

WITNESS my hand and seal the day and year last above written.

My commission expires: 8/6/67

Jean A. Nesston
Notary Public

STATE OF NEW MEXICO,
County of } ss. I hereby certify that this instrument was filed for record on the day of, 19, at o'clock M.; and has been duly recorded in Book, page, of the Records in my office.

County Clerk By Deputy

STATE OF NEW MEXICO, } ss

[illegible] of writing
was filed for record in my office on the 23 day of
June A.D., 1965 at 11 o'clock 01
minutes A M., and recorded in Book 4
Mine Locations Page 230.

Betty J. Turner
County Clerk

By Betty Clapton
Deputy

GRANT

231

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 23 day of June A.D., 1965 at 11:01 o'clock a.m.

Betty Jo Turner
Co. Clerk

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # A-14 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 21 day of June, 19 65 claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a Easterly to Westerly direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 20, Township 17 South, Range 20 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The Southeasterly end of this claim abuts the northwesterly end of M&M # A-13 Lode Mining Claim then extends 1500 feet in a westerly direction, being a total of 600 feet wide.

The location of this claim and the posting of this notice thereon was done in the presence of

H.H. Murphy
H.H. Murphy
who witnessed the same.

Located and claimed by

M&M Enterprise, Inc.
Ernest E. Murphy
Ernest E. Murphy

STATE OF NEW MEXICO,
County of Grant } ss.

On this 23 day of June, 1965, before me personally appeared Ernest E. Murphy to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

WITNESS my hand and seal the day and year last above written.

My commission expires: 8/6/67

Jean A. Norton
Notary Public

STATE OF NEW MEXICO,
County of } ss.

I hereby certify that this instrument was filed for record on the day of, 19, at o'clock M., and has been duly recorded in Book, page, of the Records in my office.

County Clerk

By
Deputy

STATE OF NEW MEXICO, }ss
COUNTY OF GRANT

was filed for record in my office on the 23 day of
June A.D., 1965 at 11 o'clock 05
minutes A M., and recorded in Book 54
Mine Locations Page 238

Betty J. Turner
County Clerk

By Betty Clapton
Deputy

COUNTY CLERK ★ GRANT COUNTY

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 23 day of June, A.D., 1965 at 11:01 o'clock AM

Betty F. Turner
Co. Clerk

232

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # A-15 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 21 day of June, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a Southeasterly to Westerly direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monument one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 20, Township 17 South, Range 20 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

~~The southeasterly end of this claim abuts the northwesterly end of M&M # A-14 Lode Mining Claim. This claim then extends 1500 feet in a~~ Westerly direction, being a total of 600 feet wide.

The location of this claim and the posting of this notice thereon was done in the presence of

H. H. Murphy

H. H. Murphy
who witnessed the same.

Located and claimed by

M&M Enterprise, Inc.

Ernest E. Murphy

Ernest E. Murphy

STATE OF NEW MEXICO,
County of Grant } ss.

On this 23 day of June, 19 65, before me personally appeared Ernest E. Murphy to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as His free act and deed.

WITNESS my hand and seal the day and year last above written.

Jean F. Keston
Notary Public

My commission expires: 8/6/67

STATE OF NEW MEXICO,
County of } ss.

I hereby certify that this instrument was filed for record on the day of, 19, at o'clock M., and has been duly recorded in Book, page, of the Records in my office.

County Clerk

By
Deputy

STATE OF NEW MEXICO,
COUNTY OF GRANT, } ss.

... the within instrument of writing

... day of

June AD. 1965 at 11:00 o'clock 01

minutes A. M., and recorded in Book 54

Mine Location Page 273

Betty J. Turner

County Clerk

By Betty Clapton

Deputy

GRANT

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 23 day of June, A.D., 19 65 at 11 01 o'clock a M

Betty J. Turner
Co. Clerk

234

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # A-16 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 21 day of June, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Rock Monuments

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a Southeasterly to Westerly direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 20, Township 17 South, Range 20 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The Southeasterly end of this claim abuts the Northwesterly end of M&M # A-15 Lode Mining Claim. This claim then extends 1500 feet in a Westerly direction, being a total of 600 feet wide.

The location of this claim and the posting of this notice thereon was done in the presence of

H.H. Murphy
H.H. Murphy
who witnessed the same.

Located and claimed by

M&M Enterprise, Inc.
Ernest E. Murphy
Ernest E. Murphy

STATE OF NEW MEXICO,
County of Grant } ss.

On this 23 day of June, 19 65, before me personally appeared Ernest E. Murphy to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

WITNESS my hand and seal the day and year last above written.

Jean F. Koston
Notary Public

My commission expires: 8/6/67

STATE OF NEW MEXICO,
County of } ss.

I hereby certify that this instrument was filed for record on the day of, 19, at o'clock M., and has been duly recorded in Book, page, of the Records in my office.

County Clerk

By Deputy

MEXICO, }

was filed for record in my office on the 23 day of
June A.D., 19 65 at 11 o'clock 01
minutes A M., and recorded in Book 54
Mine Location Page 23 B
Betty J. Turner
County Clerk
By Betty Clayton
Deputy

COUNTY * GRANT COUNTY

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

233

Filed for record on 23 day of June, A.D., 1965 at 11 01 o'clock A M

Betty J. Turner
Co. Clerk

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # A-17 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 21 day of June, 1965, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a Southeasterly to Westerly direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section ~~22~~ 18, Township 17 South, Range 20 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The Southeasterly end of this claim abuts the Northwesterly end of M&M # A-16 Lode Mining Claim. This claim then extends 1500 feet in a Westerly direction, being a total of 600 feet wide.

The location of this claim and the posting of this notice thereon was done in the presence of

H. H. Murphy

H. H. Murphy
who witnessed the same.

Located and claimed by

M&M Enterprise, Inc.

Ernest E. Murphy
Ernest E. Murphy

STATE OF NEW MEXICO,
County of Grant } ss.

On this 23 day of June, 19 65, before me personally appeared Ernest E. Murphy to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

WITNESS my hand and seal the day and year last above written.

Jean F. Norton
Notary Public

My commission expires: 8/6/67

STATE OF NEW MEXICO,
County of } ss.

I hereby certify that this instrument was filed for record on the day of, 19, at o'clock M., and has been duly recorded in Book, page, of the Records in my office.

County Clerk

By
Deputy

STATE OF NEW MEXICO,
COUNTY OF GRANT, } ss

I hereby certify that the within instrument of writing was filed for record on the 23 day of June 65 11 o'Clock O/ minutes A. M., and recorded in Book 54 Mine Location Page 233

Betty Jo Kramer
County Clerk

By Betty Claxton
Deputy

COUNTY CLERK GRANT COUNTY NEW MEXICO

Filed for record on 23 day of June A.D., 1965 at 11 o'clock AM

Bertie Turner
Co. Clerk

185

DISCOVERY HOLE MARKER NOTICE
AND
DRILL HOLE AFFIDAVIT

NAME OF CLAIM M&M # A-1

CLAIM OWNER M&M Enterprise, Inc.

DEPTH OF HOLE 10 feet

DATE HOLE DRILLED 25 May 1965

STATE OF NEW MEXICO)
: SS
County of Grant)

Ernest E. Murphy, being first duly sworn, upon his oath deposes and says:

1. That he is the agent for and representative of M&M Enterprise, Inc., locator of the M&M # A-1 (NAME OF CLAIM) lode mining claim situate in the Steeple Rock Mining District Grant County, New Mexico, the original location notice whereof is of record in the Office of the County Clerk of said County, in Book 54 of Mining Location Records at Page ~~88~~ 184.

2. That said location was made on the 15th day of May, 1965.

3. Pursuant to the provisions of Section 63-2-3.1 of the New Mexico Statutes 1953 Annotated, as amended, the locator of said claim drilled a drill hole over 1½ inches in diameter in lieu of a discovery shaft on the 25 day of May, 1965. Said hole is situate within the claim at a point 50 feet West from the East end Center Monument.

The nature of the mineral discovered is Silver, Gold, and Copper.

4. Said hole is marked by a substantial post 30 inches in height above the ground and placed within 5 feet of the hole, and is inscribed with the Notice which procedes this Affidavit.

Ernest E. Murphy

SUBSCRIBED and sworn to before me this 23 day of June, 1965.

Jean F. Nestor
Notary Public

My Commission expires: 8/6/67

STATE OF NEW MEXICO,
COUNTY OF GRANT, } ss

I hereby certify that the within instrument of writing was filed for record in my office on the 23 day of June A.D. 19 65 at 11 o'clock 00 minutes A M., and recorded in Book 152 Page 185

P. O. S.

Betty J. Turner
County Clerk

By Betty Clapton
Deputy

Filed for record on 23 day of June A.D., 1965 at 11 o'clock A M

Betty J. Turner
Co. Clerk

184

DISCOVERY HOLE MARKER NOTICE
AND
DRILL HOLE AFFIDAVIT

NAME OF CLAIM M&M # A-2

CLAIM OWNER M&M Enterprise, Inc.

DEPTH OF HOLE 10 feet

DATE HOLE DRILLED 25 May 1965

STATE OF NEW MEXICO)
: SS
County of Grant)

Ernest E. Murphy, being first duly sworn, upon his oath deposes and says:

1. That he is the agent for and representative of M&M Enterprise, Inc., locator of the M&M # A-2 (NAME OF CLAIM) lode mining claim situate in the Steeple Rock Mining District Grant County, New Mexico, the original location notice whereof is of record in the Office of the County Clerk of said County, in Book 54 of Mining Location Records at Page 185.

2. That said location was made on the 15th day of May, 1965.

3. Pursuant to the provisions of Section 63-2-3.1 of the New Mexico Statutes 1953 Annotated, as amended, the locator of said claim drilled a drill hole over 1½ inches in diameter in lieu of a discovery shaft on the 25 day of May, 1965. Said hole is situate within the claim at a point 50 Feet West of the East end Center Monument.

The nature of the mineral discovered is Silver, Gold, and Copper.

4. Said hole is marked by a substantial post 30 inches in height above the ground and placed within 5 feet of the hole, and is inscribed with the Notice which procedes this Affidavit.

Ernest E. Murphy

SUBSCRIBED and sworn to before me this 23 day of June, 1965.

Jean L. Kenton
Notary Public

My Commission expires: 8/6/67

JEAN L. KENTON NOTARY PUBLIC GRANT COUNTY, N.M.

STATE OF NEW MEXICO,
COUNTY OF GRANT, } ss

I hereby certify that the within instrument of writing was filed for record in my office on the 23 day of June A.D., 19 65 at 11 o'clock 00 minutes A. M., and recorded in Book 152 Page 184

Betty J. Turner
County Clerk

By Betty Clayton
Deputy

EMMET J. THORPE, M. D.
ORTHOPAEDIC SURGERY
211 WEST FOURTH STREET PHONE: 622-0740
ROSWELL, NEW MEXICO

183

Filed for record on 23 day of June, A.D., 1965 at 11 o'clock A M

Co. Clerk

DISCOVERY HOLE MARKER NOTICE
AND
DRILL HOLE AFFIDAVIT

NAME OF CLAIM M&M # A-3

CLAIM OWNER M&M Enterprise, Inc.

DEPTH OF HOLE 10 feet

DATE HOLE DRILLED 25 May 1965

STATE OF NEW MEXICO)
: SS
County of Grant)

Ernest E. Murphy, being first duly sworn, upon his oath deposes and says:

1. That he is the agent for and representative of ~~M&M Enterprise, Inc.~~, locator of the M&M # A-3 (NAME OF CLAIM) lode mining claim situate in the Steeple Rock Mining District Grant County, New Mexico, the original location notice whereof is of record in the Office of the County Clerk of said County, in Book 54 of Mining Location Records at Page ~~100~~ 186.

2. That said location was made on the 15th day of May, 1965.

3. Pursuant to the provisions of Section 63-2-3.1 of the New Mexico Statutes 1953 Annotated, as amended, the locator of said claim drilled a drill hole over 1½ inches in diameter in lieu of a discovery shaft on the 25 day of May, 1965. Said hole is situate within the claim at a point 50 Feet West of the East end Center Monument

The nature of the mineral discovered is Silver, Gold, and Copper.

4. Said hole is marked by a substantial post 30 inches in height above the ground and placed within 5 feet of the hole, and is inscribed with the Notice which procedes this Affidavit.

Ernest E. Murphy

SUBSCRIBED and sworn to before me this 23 day of June, 1965.

Jean A. Norton
Notary Public

My Commission expires: 8/16/67

STATE OF NEW MEXICO, }ss
COUNTY OF GRANT,

I hereby certify that the within instrument of writing was filed for record in my office on the 23 day of June A.D. 19 65 at 11 o'clock 00 minutes A. M., and recorded in Book 152 Page 183

P. M.

Betty J. Turner
County Clerk

By Betty Clayton
Deputy

GRANT COUNTY, N.M.

Filed for record on 23 day of June, A.D., 1965 at 11 o'clock A M

Betty J. Turner
Co. Clerk

DISCOVERY HOLE MARKER NOTICE
AND
DRILL HOLE AFFIDAVIT

NAME OF CLAIM M&M # A-4

CLAIM OWNER M&M Enterprise, Inc.

DEPTH OF HOLE 10 feet

DATE HOLE DRILLED 22 May 1965

STATE OF NEW MEXICO)
: SS
County of Grant)

Ernest E. Murphy, being first duly sworn, upon his oath deposes and says:

1. That he is the agent for and representative of M&M Enterprise, Inc., locator of the M&M # A-4 (NAME OF CLAIM) lode mining claim situate in the Steeple Rock Mining District Grant County, New Mexico, the original location notice whereof is of record in the Office of the County Clerk of said County, in Book 54 of Mining Location Records at Page 187

2. That said location was made on the 15th day of May, 1965

3. Pursuant to the provisions of Section 63-2-3.1 of the New Mexico Statutes 1953 Annotated, as amended, the locator of said claim drilled a drill hole over 1½ inches in diameter in lieu of a discovery shaft on the 22 day of May, 1965. Said hole is situate within the claim at a point 50 Feet West of the East end Center Monument.

The nature of the mineral discovered is Silver, Gold, and Copper.

4. Said hole is marked by a substantial post 30 inches in height above the ground and placed within 5 feet of the hole, and is inscribed with the Notice which procedes this Affidavit.

Ernest E. Murphy

SUBSCRIBED and sworn to before me this 23 day of June, 1965.

Jon D. Norton
Notary Public

My Commission expires: 8/6/67

JON D. NORTON · NOTARY PUBLIC · GRANT COUNTY, N.M.

STATE OF NEW MEXICO, }ss
COUNTY OF GRANT, }

I hereby certify that the within instrument of writing was filed for record in my office on the 23 day of June A.D., 19 65, at 11 o'clock 00 minutes A M., and recorded in Book 152 Page 182

Betty J. Turner
County Clerk

By Betty Clapton
Deputy

GRANT COUNTY

181

Filed for record on 23 day of June A.D., 19 65 at 11 o'clock a M.
Betty J. Turner
Co. Clerk

DISCOVERY HOLE MARKER NOTICE
AND
DRILL HOLE AFFIDAVIT

NAME OF CLAIM M&M # A-5

CLAIM OWNER M&M Enterprise, Inc.

DEPTH OF HOLE 10 feet

DATE HOLE DRILLED 22 May 1965

STATE OF NEW MEXICO)
: SS
County of Grant)

Ernest E. Murphy, being first duly sworn, upon his oath deposes and says:

1. That he is the agent for and representative of M&M Enterprise, Inc., locator of the M&M # A-5 (NAME OF CLAIM) lode mining claim situate in the Steeple Rock Mining District Grant County, New Mexico, the original location notice whereof is of record in the Office of the County Clerk of said County, in Book 54 of Mining Location Records at Page ~~202~~ 188

2. That said location was made on the 15th day of May, 1965.

3. Pursuant to the provisions of Section 63-2-3.1 of the New Mexico Statutes 1953 Annotated, as amended, the locator of said claim drilled a drill hole over 1½ inches in diameter in lieu of a discovery shaft on the 22 day of May, 1965. Said hole is situate within the claim at a point ~~50 Feet~~ South of the North end Center Monument.

The nature of the mineral discovered is Silver, Gold, and Copper.

4. Said hole is marked by a substantial post 30 inches in height above the ground and placed within 5 feet of the hole, and is inscribed with the Notice which procedes this Affidavit.

Ernest E. Murphy

SUBSCRIBED and sworn to before me this 23 day of June, 1965.

John F. Norton
Notary Public

My Commission expires: 8/6/67

STATE OF NEW MEXICO, }ss
COUNTY OF GRANT, }

I hereby certify that the within instrument of writing was filed for record in my office on the 23 day of June A.D., 19 65 at 11 o'clock 00 minutes A. M., and recorded in Book 152 Page 181

Betty J. Turner
County Clerk

By Betty Claxton
Deputy

COUNTY CLERK GRANT COUNTY NEW MEXICO

Filed for record on 23 day of June, A.D., 1965 at 11 o'clock a M

Betty J. Turner
Clerk

180

DISCOVERY HOLE MARKER NOTICE
AND
DRILL HOLE AFFIDAVIT

NAME OF CLAIM M&M # A-6

CLAIM OWNER M&M Enterprise, Inc.

DEPTH OF HOLE 10 feet

DATE HOLE DRILLED 22 May 1965

STATE OF NEW MEXICO)
: SS
County of Grant)

Ernest E. Murphy, being first duly sworn, upon his oath deposes and says:

1. That he is the agent for and representative of M&M Enterprise, Inc., locator of the M&M # A-6 (NAME OF CLAIM) lode mining claim situate in the Steeple Rock Mining District Grant County, New Mexico, the original location notice whereof is of record in the Office of the County Clerk of said County, in Book 54 of Mining Location Records at Page 189.

2. That said location was made on the 15th day of May, 1965.

3. Pursuant to the provisions of Section 63-2-3.1 of the New Mexico Statutes 1953 Annotated, as amended, the locator of said claim drilled a drill hole over 1½ inches in diameter in lieu of a discovery shaft on the 22 day of May, 1965. Said hole is situate within the claim at a point 50 Feet South of the North end Center Monument.

The nature of the mineral discovered is Silver, Gold, and Copper.

4. Said hole is marked by a substantial post 30 inches in height above the ground and placed within 5 feet of the hole, and is inscribed with the Notice which procedes this Affidavit.

Ernest E. Murphy

SUBSCRIBED and sworn to before me this 23 day of June, 1965

Jean A. Nesston
Notary Public

My Commission expires: 8/6/67

STATE OF NEW MEXICO,
COUNTY OF GRANT, } ss

I hereby certify that the within instrument of writing was filed for record in my office on the 23 day of June A.D., 1964 at 11 o'clock 00 minutes A M., and recorded in Book 152 Page 180

Betty J. Turner
County Clerk

By Betty Clayton
Deputy

COUNTY CLERK GRANT COUNTY, NEW MEXICO

179

Filed for record on 23 day of June A.D., 1965 at 11 o'clock A M

Betty J. Turner
Co. Clerk

DISCOVERY HOLE MARKER NOTICE
AND
DRILL HOLE AFFIDAVIT

NAME OF CLAIM M&M # A-7

CLAIM OWNER M&M Enterprise, Inc.

DEPTH OF HOLE 10 feet

DATE HOLE DRILLED 19 May 1965

STATE OF NEW MEXICO)
: SS
County of Grant)

Ernest E. Murphy, being first duly sworn, upon his oath deposes and says:

1. That he is the agent for and representative of M&M Enterprise, Inc., locator of the M&M # A-7 (NAME OF CLAIM) lode mining claim situate in the Steeple Rock Mining District Grant County, New Mexico, the original location notice whereof is of record in the Office of the County Clerk of said County, in Book 54 of Mining Location Records at Page ~~XXXX~~ 219

2. That said location was made on the 12th day of May, 1965.

3. Pursuant to the provisions of Section 63-2-3.1 of the New Mexico Statutes 1953 Annotated, as amended, the locator of said claim drilled a drill hole over 1½ inches in diameter in lieu of a discovery shaft on the 19th day of May, 1965. Said hole is situate within the claim at a point 50 Feet West of the East end Center Monument.

The nature of the mineral discovered is Silver, Gold, and Copper.

4. Said hole is marked by a substantial post 30 inches in height above the ground and placed within 5 feet of the hole, and is inscribed with the Notice which procedes this Affidavit.

Ernest E. Murphy

SUBSCRIBED and sworn to before me this 23 day of June, 1965.

Jean Z Norton
Notary Public

My Commission expires: 8/6/67

NOTARY PUBLIC GRANT COUNTY, NEW

STATE OF NEW MEXICO,
COUNTY OF GRANT, } ss

I hereby certify that the within instrument of writing was filed for record in my office on the 23 day of June A.D., 1965 at 11 o'clock 00 minutes A M., and recorded in Book 152 Page 179

Betty J. Turner
County Clerk

By Betty Clapton
Deputy

Filed for record on 23 day of June, A.D., 1965 at 11 o'clock a.m.
Betty F. Turner
Co. Clerk

178

DISCOVERY HOLE MARKER NOTICE
AND
DRILL HOLE AFFIDAVIT

NAME OF CLAIM M&M # A-8

CLAIM OWNER M&M Enterprise, Inc.

DEPTH OF HOLE 10 feet

DATE HOLE DRILLED 19 May 1965

STATE OF NEW MEXICO)
: SS
County of Grant)

Ernest E. Murphy, being first duly sworn, upon his oath deposes and says:

1. That he is the agent for and representative of M&M Enterprise, Inc., locator of the M&M # A-8 (NAME OF CLAIM) lode mining claim situate in the Steeple Rock Mining District Grant County, New Mexico, the original location notice whereof is of record in the Office of the County Clerk of said County, in Book 54 of Mining Location Records at Page ~~187~~ 220.

2. That said location was made on the ~~19th~~ 12th day of May, 1965.

3. Pursuant to the provisions of Section 63-2-3.1 of the New Mexico Statutes 1953 Annotated, as amended, the locator of said claim drilled a drill hole over 1½ inches in diameter in lieu of a discovery shaft on the 19th day of May, 1965. Said hole is situate within the claim at a point 50 feet West of the East end Center Monument.

The nature of the mineral discovered is Silver, Gold, and Copper

4. Said hole is marked by a substantial post 30 inches in height above the ground and placed within 5 feet of the hole, and is inscribed with the Notice which procedes this Affidavit.

Ernest E. Murphy

SUBSCRIBED and sworn to before me this 23 day of June, 1965.

Jean F. Niston
Notary Public

My Commission expires: 8/6/67

STATE OF NEW MEXICO,
COUNTY OF GRANT, } ss

I hereby certify that the within instrument of writing was filed for record in my office on the 23 day of January A.D., 1965 at 11 o'clock 00 minutes A M., and recorded in Book 152 Page 178

Betty J. Turner
County Clerk

By Betty Clapton
Deputy

177

Filed for record on 23 day of June, A.D., 1965 at 1:00 o'clock A M

Betty J. Turner
Clerk

DISCOVERY HOLE MARKER NOTICE
AND
DRILL HOLE AFFIDAVIT

NAME OF CLAIM M&M # A-9

CLAIM OWNER M&M Enterprise, Inc.

DEPTH OF HOLE 10 feet

DATE HOLE DRILLED 19 May 1965

STATE OF NEW MEXICO)
: SS
County of Grant)

Ernest E. Murphy, being first duly sworn, upon his oath deposes and says:

1. That he is the agent for and representative of ~~M&M Enterprise, Inc.~~, locator of the M&M # A-9 (NAME OF CLAIM) lode mining claim situate in the ~~Steeple Rock~~ Mining District ~~Grant~~ County, New Mexico, the original location notice whereof is of record in the Office of the County Clerk of said County, in Book 54 of Mining Location Records at Page ~~[illegible]~~ 221

2. That said location was made on the 12th day of May, 1965.

3. Pursuant to the provisions of Section 63-2-3.1 of the New Mexico Statutes 1953 Annotated, as amended, the locator of said claim drilled a drill hole over 1½ inches in diameter in lieu of a discovery shaft on the 19th day of May, 1965. Said hole is situate within the claim at a point 50 Feet West of the East end Center Monument.

The nature of the mineral discovered is Silver, Gold, and Copper.

4. Said hole is marked by a substantial post 30 inches in height above the ground and placed within 5 feet of the hole, and is inscribed with the Notice which procedes this Affidavit.

Ernest E. Murphy

SUBSCRIBED and sworn to before me this 23 day of June, 1965.

Jean Z. Keston
Notary Public

My Commission expires: 8/6/67

STATE OF NEW MEXICO, }ss
COUNTY OF GRANT, }

I hereby certify that the within instrument of writing was filed for record in my office on the 23 day of June A.D., 1965 at 11 o'clock 00 minutes of A.M., and recorded in Book 152 P. of R. Page 177

Betty J. Turner
County Clerk

By Betty Clayton
Deputy

GRANT COUNTY, NEW

Filed for record on 23 day of June, A.D., 1965 at 1100 o'clock A M

Beatrice F. Turner
Co. Clerk

176

DISCOVERY HOLE MARKER NOTICE
AND
DRILL HOLE AFFIDAVIT

NAME OF CLAIM M&M # A-10

CLAIM OWNER M&M Enterprise, Inc.

DEPTH OF HOLE 10 feet

DATE HOLE DRILLED 19 May, 1965

STATE OF NEW MEXICO)
: SS
County of Grant)

Ernest E. Murphy, being first duly sworn, upon his oath deposes and says:

1. That he is the agent for and representative of M&M Enterprise, Inc., locator of the M&M # A-10 (NAME OF CLAIM) lode mining claim situate in the Steeple Rock Mining District Grant County, New Mexico, the original location notice whereof is of record in the Office of the County Clerk of said County, in Book 54 of Mining Location Records at Page ~~184x 187~~ 222

2. That said location was made on the ~~12th~~ 12th day of May, 1965.

3. Pursuant to the provisions of Section 63-2-3.1 of the New Mexico Statutes 1953 Annotated, as amended, the locator of said claim drilled a drill hole over 1½ inches in diameter in lieu of a discovery shaft on the 19th day of May, 1965. Said hole is situate within the claim at a point 50 feet West from the East end Center Monument.

The nature of the mineral discovered is Silver, Gold, and Copper.

4. Said hole is marked by a substantial post 30 inches in height above the ground and placed within 5 feet of the hole, and is inscribed with the Notice which procedes this Affidavit.

Ernest E. Murphy

SUBSCRIBED and sworn to before me this 23 day of June, 1965.

Jean F. Norton
Notary Public

My Commission expires: 8/6/67

STATE OF NEW MEXICO, }
COUNTY OF GRANT, } ss

I hereby certify that the within instrument of writing was filed for record in my office on the 23 day of June A.D., 1965 at 11 o'clock 00 minutes A M., and recorded in Book 152 Page 676

Betty J. Turner
County Clerk

By Betty Clayton
Deputy

COUNTY OF GRANT

DISCOVERY HOLE MARKER NOTICE
and
DRILL HOLE AFFIDAVIT

NAME OF CLAIM	M & M A-11
CLAIM OWNER	M & M Enterprises, Inc.
DEPTH OF HOLE	10 feet
DATE HOLE DRILLED	July 19, 1965

STATE OF NEW MEXICO
County of Grant

Emmet J. Thorpe, being first sworn, upon his oath deposes and says:

1. That he is the agent for and representative of M & M Enterprises, Inc., locator of the M & M #A-11 lode mining claim situated in the Steeple Rock Mining District, Grant County, New Mexico, the original location notice whereof is of record in the Office of the County Clerk of said County, in Book 54of Mining Location Records at Page 228.

2. That said location was made on the 18th day of June 1965.

3. Pursuant to the provisions of Section 63-2-3.1 of the New Mexico Statutes 1953 Annotated, as amended, the locator (Ernest E. Murphy for M & M Enterprises, Inc.) of said claim drilled a drill hole over 1 1/2 inches in diameter in lieu of a discovery shaft on the 19th day of July 1965. Said hole is situated within the claim at a point 50 feet west of the S. E. end center monument. The nature of the mineral discovered is silver, gold and copper.

4. Said hole is marked by a substantial post 30 inches in height above the ground and placed within 5 feet of the hole, and is inscribed with the Notice which procedes this Affidavit.

Emmet J. Thorpe

Subscribed and sworn to before me this ____ day of _____, 1965

_____
Notary Public

My Commission Expires:

DISCOVERY HOLE MARKER NOTICE
and
DRILL HOLE AFFIDAVIT

NAME OF CLAIM	M & M #A-12
CLAIM UNDER	M & M Enterprises, Inc.
DEPTH OF HOLE	10 feet
DATE HOLE DRILLED	July 19, 1965

STATE OF NEW MEXICO
Count of Grant

Emmet J. Thorpe, being first duly sworn, upon his oath deposes and says:

1. That he is the agent for and representative of M & M Enterprises, Inc., locator of the M & M #A-12 lode mining claim situated in the Steeple Rock Mining District, Grant County, New Mexico, the original location notice whereof is of record in the Office of the County Clerk of said County, in Book 54 Of Mining Location Records at Page 228.

2. That said location was made on the 18th day of June 1965

3. Pursuant to the provisions of Section 63-2-3.1 of the New Mexico Statutes 1953 Annotated, as amended, the ~~xxx~~ locator of said claim drilled a drill hole over 1 1/2 inches in diameter in lieu of a discovery shaft on the 19th day of July 1965. Said hole is situated within the claim at a point 50 feet west of East end center monument. The nature of the mineral discovered is silver, gold and copper.

4. Said hole is marked by a substantial post 30 inches in height above the ground and placed within 5 feet of the hold, and is inscribed with the Notice which procedes this Affidavit.

Emmet J. Thorpe

Subscribed and sworn to before me this _____ day of _____, 1965.

_____
Notary Public

My Commission Expires:

DISCOVERY HOLE MARKER NOTICE
and
DRILL HOLE AFFIDAVIT

NAME OF CLAIM	M & M #A-13
CLAIM OWNER	M & M Enterprises, Inc.
DEPTH OF HOLE	10 feet
DATE HOLE DRILLED	July 20, 1965

STATE OF NEW MEXICO
County of Grant

Emmet J. Thorpe, Being first duly sworn, upon his oath deposes and says:

1. That he is the agent for and representative of M & M Enterprises, Inc., locator of the M & M #A-13 lode mining claim situated in the Steeple Rock Mining District, Grant County, New Mexico, the original location notice whereof is of record in the Office of the County Clerk of said County, in Book 54, Page 228 of Mining Location Records.

2. That said location was made on the 21st day of June 1965.

3. Pursuant to the provisions of Section 63-2-3.1 of the New Mexico Statutues 1953 Annotated, as amended, the locator of said claim drilled a drill hole over 1 1/2 inches in diameter in lieu of a discovery shaft on the 20th day of July 1965. Said hole is situated with the claim at a point 265 feet west of the NE corner monument. The nature of the mineral discovered is silver, gold and copper.

4. Said hole is marked by a substantial post 30inches in height above the ground and placed within 5 feet of the hold, and is inscribed with the Notice which procedes this Affidavit.

Emmet J. Thorpe

Subscribed and sworn to before me this _____ day of _____, 1965.

_____
Notary Public

My Commission Expires:

PHONE 622-9740

EMMET J. THORPE, M. D.
204 W. FOURTH ST.
ROSWELL, NEW MEXICO

PRACTICE LIMITED TO
ORTHOPAEDIC SURGERY

July 23, 1965

TO WHOM IT MAY CONCERN:

Ernest E. Murphy, being first duly sworn, upon his oath deposes and says: that he is the agent for and representative of M&M Enterprise, Inc., 204 West 4th St., Roswell, New Mexico, locator of the M&M # A-14 Lode Mining Claim situated in the Steeple Rock Mining District, Grant County, New Mexico, the original location notice whereof is filed for record in the Office of the County Clerk of Grant County, New Mexico in Book 54, page 231 of the Mining Location Records of New Mexico.

This is to certify that discovery work as required by law and the New Mexico Mining Statutes 1953 (as amended to 1963) has been performed on M&M # A-14 Lode Mining Claim, located in Steeple Rock Mining District, Grant County, New Mexico on June 23, 1965.

This is to further certify that a discovery shaft ten (10) feet in depth from the lowest rim of the discovery shaft was sunk and exposing mineral in place as follows: silver, gold, and copper. The discovery shaft is located 214 feet east of the west-end center monument of this claim. This was filed for record. The discovery shaft was completed on 20 July, 1965 and was sunk as prescribed by law on this date and is further marked as prescribed in the New Mexico Mining Statutes.

Witness: H H Murphy

Ernest E. Murphy

Subscribed and sworn to before me this _____ day of _____, 196____.

_____
Notary Public

My commission expires:

PHONE 622-9740

EMMET J. THORPE, M. D.
204 W. FOURTH ST.
ROSWELL, NEW MEXICO

PRACTICE LIMITED TO
ORTHOPAEDIC SURGERY

July 23, 1965

TO WHOM IT MAY CONCERN:

Ernest E. Murphy, being first duly sworn, upon his oath deposes and says: that he is the agent for and representative of M&M Enterprise, Inc., 204 West 4th St., Roswell, New Mexico, locator of the M&M # A-15 Lode Mining Claim situated in the Steeple Rock Mining District, Grant County, New Mexico, the original location notice whereof is filed for record in the Office of the County Clerk of Grant County, New Mexico in Book 54 Page 232 of the Mining Location Records of New Mexico.

This is to certify that discovery work as required by law and the New Mexico Mining Statutes 1953 (as amended to 1963) has been performed on M&M # A-15 Lode Mining Claim, located in Steeple Rock Mining District, Grant County, New Mexico on June 23, 1965.

This is to further certify that a discovery shaft ten (10) feet in depth from the lowest rim of the discovery shaft was sunk and exposing mineral in place as follows: silver, gold, and copper. The discovery shaft is located 327 feet east of the west-end center monument of this claim. This was filed for record June 23, 1965. The discovery shaft was completed on 20 July, 1965 and was sunk as prescribed by law on this date and is further marked as prescribed in the New Mexico Mining Statutes.

Witness: H H Murphy

Ernest E. Murphy

Subscribed and sworn to before me this _____ day of _____, 196_____.

_____
Notary Public

My commission expires:

PHONE 622-9740

EMMET J. THORPE, M. D.
204 W. FOURTH ST.
ROSWELL, NEW MEXICO

PRACTICE LIMITED TO
ORTHOPAEDIC SURGERY

July 23, 1965

TO WHOM IT MAY CONCERN:

Ernest E. Murphy, being first duly sworn, upon his oath deposes and says: that he is the agent for and representative of M&M Enterprise, Inc., 204 West 4th St., Roswell, New Mexico, locator of the M&M # A-16 Lode Mining Claim situated in the Steeple Rock Mining District, Grant County, New Mexico, the original location notice whereof is filed for record in the Office of the County Clerk of Grant County, New Mexico in Book 54, Page 234 of the Mining Location Records of New Mexico.

This is to certify that discovery work as required by law and the New Mexico Mining Statutes 1953 (as amended to 1963) has been performed on M&M # A-16 Lode Mining Claim, located in Steeple Rock Mining District, Grant County, New Mexico on June 23, 1965.

This is to further certify that a discovery shaft ten (10) feet in depth from the lowest rim of the discovery shaft was sunk and exposing mineral in place as follows: silver, gold, and copper. The discovery shaft is located 218 feet east of the west-end center monument of this claim. The discovery shaft was completed on 20 July, 1965 and was sunk as prescribed by law on this date and is further makked as prescribed in the New Mexico Mining Statutes.

Witness: H. H. Murphy

Ernest E. Murphy

Subscribed and sworn to before me this _____ day of _____, 196____.

_____
Notary Public

My commission expires:

PHONE 622-9740

EMMET J. THORPE, M. D.
204 W. FOURTH ST.
ROSWELL, NEW MEXICO

PRACTICE LIMITED TO
ORTHOPAEDIC SURGERY

July 23, 1965

TO WHOM IT MAY CONCERN:

Ernest E. Murphy, being first duly sworn, upon his oath deposes and says: that he is the agent for and representative of M&MEnterprise, Inc., 204 West 4th St., Roswell, New Mexico, locator of the M&M # A-17 Lode Mining Claim situated in the Steeple Rock Mining District, Grant County, New Mexico, the original location notice whereof is filed for record in the Office of the County Clerk of Grant County, New Mexico in Book 54, page 233 of the Mining Location Records of New Mexico.

This is to certify that discovery work as required by law and the New Mexico Mining Statutes 1953 (as amended to 1963) has been performed on M&M # A-17 Lode Mining Claim, located in Steeple Rock Mining District, Grant County, New Mexico on June 23, 1965.

This is to further certify that a discovery shaft ten (10) feet in depth from the lowest rim of the discovery shaft was sunk and exposing mineral in place as follows: silver, gold, and copper. The discovery shaft is located 25 feet west of the east-end center monument of this claim. The discovery shaft was completed on 20 Jly, 1965 and was sunk as prescribed by law on this date and is further marked as prescribed in the New Mexico Mining Statutes.

Witness: H H Murphy

Ernest E. Murphy

Subscribed and sworn to before me this_____day of_____,196_____.

_____
Notary Public

My commission expires:

DISCOVERY HOLE MARKER NOTICE
AND
DRILL HOLE AFFIDAVIT

NAME OF CLAIM M&M # A-18

CLAIM OWNER M&M Enterprise, Inc.

DEPTH OF HOLE 10 feet

DATE HOLE DRILLED 20 July 1965

STATE OF NEW MEXICO)
County of Grant) : SS

Ernest E. Murphy, being first duly sworn, upon his oath deposes and says:

1. That he is the agent for and representative of M&M Enterprise, Inc., locator of the M&M # A-18 (NAME OF CLAIM) lode mining claim situate in the Steeple Rock Mining District Grant County, New Mexico, the original location notice whereof is of record in the Office of the County Clerk of said County, in Book _____ of Mining Location Records at Page _____.

2. That said location was made on the _____ day of _____, 196__.

3. Pursuant to the provisions of Section 63-2-3.1 of the New Mexico Statutes 1953 Annotated, as amended, the locator of said claim drilled a drill hole over 1½ inches in diameter in lieu of a discovery shaft on the 20 day of July, 1965. Said hole is situate within the claim at a point 365 feet Northwest from the Southeast Corner Monument of this claim. The nature of the mineral discovered is Silver, Gold, and copper.

4. Said hole is marked by a substantial post 30 inches in height above the ground and placed within 5 feet of the hole, and is inscribed with the Notice which procedes this Affidavit.

Ernest E. Murphy
Ernest E. Murphy

SUBSCRIBED and sworn to before me this _____ day of _____, 196__.

_____
Notary Public

My Commission expires:

THIS IS A CORRECTED COPY OF CHICO #1 PLACER MINING LOCATION NOTICE WHICH WAS FILED AND RECORDED on 9-28-64 in BOOK 52, PAGE 2.

218

Filed for record on ____ day of ____ A.D., 19__ at ____ o'clock ____ M.

Co. Clerk

PLACER MINING LOCATION

NOTICE IS HEREBY GIVEN, to all whom it may concern, that

EMMET J. THORPE, M. D. AND ERNEST E. MURPHY

citizens of the United States, over the age of twenty-one years, have this day located, and by these presents do locate Forty (40) acres of placer mining land, in accordance with the mining laws of the United States and of the State of New Mexico. Said land and claim lies and is situated in Steeple Rock Mining District, in the County of Grant State of New Mexico, and is more particularly bounded and described as follows, to-wit:*

Beginning This claim shall be known as Chico #1 Placer Mining Claim and is located one-half (1/2) mile west of the Thyerson Ranch, with a stone monument lying 25 feet West of the Thyerson Ranch fence. It then extends West 1320 feet to a stone monument, then South 1320 feet to a stone monument, then East 1320 feet to a stone monument, then North 1320 feet to the NE corner monument. This claim is further located one mile NE of the Carlisle mine approximately and is located in Section 6, Township 17S, Range 20W.

Said land to be known as the Chico #1 Placer Mining Claim.

Dated on the ground this 4th day of March 19 65.

Emmet J. Thorpe M.D.
Ernest E. Murphy

Witnesses.

Locators.

* If on surveyed land, describe the legal subdivision; if unsurveyed land, describe as accurately as possible by courses and distances.

Filed for record on 9 day of Mar, A.D., 1965 at 231 o'clock P M.
Betty J. Turner
Co. Clerk

Sworn before me this 4th day of March 1965. State of New Mexico, County of Chaves.
Dorothea A. Bell
Notary Public
My Commission Expires July 26, 1968

DOROTHEA A. BELL NOTARY PUBLIC

PLACER MINING LOCATION

NAME OF CLAIM

NAME OF LOCATORS:

State of New Mexico)
) ss.
County of Grant)

I hereby certify that this instrument was filed for record on the 5 day of March A.D., 1965, at 2:31 o'clock P M., and duly recorded in Book 23 of Mining Records, Page 218.

Betty J. Turner
Probate Clerk and Ex-Officio Recorder.

E. Canedo
Deputy.

EMMET J. THORPE, M. D.
ORTHOPAEDIC SURGERY
211 WEST FOURTH STREET PHONE: 622-9740
ROSWELL, NEW MEXICO

THIS IS A CORRECTED COPY OF CHICO #2 PLACER MINING LOCATION NOTICE WHICH WAS FILED AND RECORDED ON 9-28-64 in BOOK 52, PAGE 1.

219

Filed for record on 5 day of Mar., A.D., 1965 at 2:31 o'clock P.M.

Betty J. Turner
Co. Clerk

PLACER MINING LOCATION

NOTICE IS HEREBY GIVEN, to all whom it may concern, that

EMMET J. THORPE, M. D. AND ERNEST E. MURPHY

citizens of the United States, over the age of twenty-one years, have this day located, and by these presents do locate forty (40) acres of placer mining land, in accordance with the mining laws of the United States and of the State of New Mexico. Said land and claim lies and is situated in Steeple Rock Mining District, in the County of Grant State of New Mexico, and is more particularly bounded and described as follows, to-wit:*

Beginning This claim shall be known as Chico #2 Placer Mining Claim and is located 25 feet South of Chico #1 Placer Mining Claim. The NW corner monument lies South of the SW corner monumant of Chico #1 Placer Mining Claim. It then extends South for 660 feet to a stone monument, then East for 2640 feet to a stone monument, then North for 660 feet to a stone monument, then West for 2640 feet to the NW corner monument. This claim is further located one mile NE of the Carlisle mine approximately. It is located in Section 6, Township 17S, Range 20W.

Said land to be known as the Chico #2 Placer Mining Claim.

Dated on the ground this 4th day of March 19 65.

Emmet J. Thorpe M.D.
Ernest E. Murphy

Witnesses.

* If on surveyed land, describe the legal subdivision; if unsurveyed land, describe as accurately as possible by courses and distances.

Locators.

Subscribed and sworn to before me this 4th day of March 1965
State of New Mexico County of Grant
Charlotte Darabbea A Bell
Notary Republic My Commission expires July 26, 1968

PLACER MINING LOCATION

NAME OF CLAIM

NAME OF LOCATORS:

State of New Mexico)
) ss.
County of Grant)

I hereby certify that this instrument was filed for record on the 5 day of March A.D., 19 65, at 2:31 o'clock P M., and duly recorded in Book 53 of Mining Records, Page 219.

Betty J. Turner
Probate Clerk and Ex-Officio Recorder.

Deputy.

EMMET J. THORPE, M. D.
ORTHOPAEDIC SURGERY
211 WEST FOURTH STREET PHONE: 622-9740
ROSWELL, NEW MEXICO

THIS IS A CORRECTED COPY OF M & M #1 LODE MINING LOCATION NOTICE WHICH WAS FILED AND RECORDED ON 12-28-64 IN BOOK 52, PAGE 376.

Form 331 Rev. Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

223

Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of Grant, The M & M #1 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that they have discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 4th day of March, A. D., 1965, do hereby give notice of their intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M #1 Mining Claim.

Said Claim so located is rectangular in form, being 1500 see below feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned have distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and have posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence SEE BELOW 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the SEE BELOW of Section and the of Section, Township, Range NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

Located in the SE corner of Chico #1 Placer Mining Claim and located 40 feet North of the SE corner monument of Chico #1 Placer Mining Claim. Extending 1500 feet West and 600 feet wide. To further describe this claim, it extends into Section 1, Township 17S, Range 21W. In addition, this claim is located approximately 1/2 to 1 mile East of the Carlisle ~~Mxxxx~~ Mine and approximately 18 miles NE of Duncan, Arizona. This claim lies principally in Section 6, Township 17S, Range 20W.

Dated and posted on the grounds this 4th day of March, 1965.

E. J. Neff M.D. Ernest E. Murphy

~~xxxx

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____
_____
_____
_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Chaves } ss.

I hereby certify that this instrument was filed for record on the 5 day of March, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 53 of Mining Claim Records, page 223, on this _____ day of _____ A. D., 19____

Betty F. Lucero
County Clerk

By E. Ennis
Deputy

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

THIS IS A CORRECTED COPY OF M & M #2 LODE MINING LOCATION NOTICE WHICH WAS FILED AND RECORDED ON 12-28-64 IN BOOK 52, PAGE 377.

Form 331 Rev. Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

222

Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of Grant, The M & M #2 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that they have discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 4th day of March, A. D., 19 65, do hereby give notice of their intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M #2 Mining Claim.

Said Claim so located is rectangular in form, being ~~1500~~ SEE BELOW feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned have distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and have posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the see below Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

PLEASE SEE BELOW

Said Claim being located in the SEE BELOW of Section and the of Section, Township, Range NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

Abuts the West end of M & M #1 Lode Mining Claim and extends 1500 feet in a SW direction, being a total of 600 feet wide. M & M #2 Lode Mining Claim is further located approximately 1/4 to 1/2 mile NE of the Carlisle mine and approximately 18 miles NE of Duncan, Arizona. This property lies predominately in Section 1, Township 17S, Range 21W.

Dated and posted on the grounds this 4th day of March, 19 65.

Ernest E. Murphy

Locator(s) and Claimant(s)

State of New Mexico, County of Chaves

(NOTE: Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

My Commission Expires July 26, 1968

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____

_____

_____

_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 5 day of March, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 53 of Mining Claim Records, page 222, on this _____ day of _____ A. D., 19____.

Betty J Duran
County Clerk

By E. Corello
Deputy.

Rec. No. _____ Fee $ _____

COUNTY CLERK GRANT COUNTY NEW MEXICO

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

THIS IS A CORRECTED COPY OF M & M #3 LODE MINING LOCATION NOTICE WHICH WAS FILED AND RECORDED ON 12-28-64 in BOOK 52, PAGE 378.

Form 331 Rev. Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

221

Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of Grant, Steeple Rock Mining District. } The M & M #3 Mining Claim.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that they have discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 4th day of March, A. D., 1965, do hereby give notice of their intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M #3 Mining Claim.

Said Claim so located is rectangular in form, being 1500 SEE BELOW feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned have distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and have posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the SEE BELOW Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence SEE BELOW 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the SEE BELOW of Section and the of Section, Township, Range NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

Located at the NW boundary of Chico #1 Placer Mining Claim and extending 1500 feet in SE direction along the East Camp fault, this claim being 600 feet wide. This is further described as being located approximately 3/4 mile NE of the Carlisle mine and approximately 18 miles NE of Duncan, Arizona. It is primarily located within the boundaries of Chico #1 Placer Mining Claim, located and claimed by Emmet J. Thorpe and Ernest E. Murphy. This claim is located in Section 6, Township 17S, Range 20W.

Dated and posted on the grounds this 4TH day of MARCH, 1965.

Emmet J. Thorpe — Ernest E. Murphy

Geneva Thorpe — Gertie Murphy

Dorothea A. Bell

Walter Bell

State of New Mexico, County of Chaves

Locator(s) and Claimant(s)

(NOTE, Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

My Commission Expires July 26, 1968

Filed for record on 5 day of Mar, A.D. 1965 at 2:30 o'clock P.M.

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____

_____

_____

_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 5 day of March, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 23 of Mining Claim Records, page 221, on this _____ day of _____ A. D., 19____

Betty Fonner
_____ County Clerk

By E. Carrillo
_____ Deputy

Rec. No. _____ Fee $ _____

COUNTY CLERK GRANT COUNTY NEW MEXICO

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

THIS IS A CORRECTED COPY OF M & M #4 LODE MINING LOCATION NOTICE WHICH WAS FILED AND RECORDED ON 12-28-64 IN BOOK 52, PAGE ~~[illegible]~~ 379.

Form 331 Rev. Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

Notice of Lode Mining Location

220

STATE OF NEW MEXICO,

County of Grant, The M & M #4 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that they have discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 4th day of March, A. D., 1965, do hereby give notice of their intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M #4 Mining Claim.

Said Claim so located is rectangular in form, being 1500 SEE BELOW feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned have distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and have posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the SEE BELOW Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence SEE BELOW 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the SEE BELOW of Section and the of Section, Township, Range NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

Abuts M & M #3 Lode Mining Claim and continues for a distance of 1500 feet in a SE direction, also following the East Camp fault, being a total of 600 feet wide. This is primarily located in Sec. 7, Township 17S, Range 20W. However, part of it may possibly be located in Sec. 6, Township 17 S, Range 20W and in Sec. 8, Township 17S, Range 20W. It is located approximately 1 to 1 1/2 miles SE of the Carlisle mine and approximately 18 miles NE of Duncan, Arizona.

Dated and posted on the grounds this 4th day of March, 1965.

Ernest E. Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Filed for record on 5 day of Mar A.D., 1965 at 2:30 o'clock P.M.

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____

_____

_____

_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 5 day of March, A. D., 19 65 at 2:30 o'clock P M., and was duly recorded in Book 53 of Mining Claim Records, page 220, on this _____ day of _____ A. D., 19____

Betty J. Larson
County Clerk

By E. Ramalo
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331, Rev.

THIS IS A CORRECTED COPY OF M & M #5 LODE MINING LOCATION NOTICE WHICH WAS FILED AND RECORDED ON PAGE 380, in BOOK 52 on 12-28-64

Form 331 Rev. Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

224

Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of Grant, The M & M #5 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that they have discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 4th day of March, A. D., 19 65, do hereby give notice of their intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M #5 Mining Claim.

Said Claim so located is rectangular in form, being 1500 SEE BELOW feet in length along said vein, lode or deposit, and 600 _____ feet along the surface in width; said Claim measures lengthwise of the claim _____ feet in a _____ly direction and _____ feet in a _____ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 _____ feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the _____ to the _____.

The undersigned have distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and have posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the SEE BELOW Corner thereof, whence the _____ Corner of Section _____, Twp. _____, Range _____, bears _____ degrees, _____ minutes _____ a distince of _____ feet, thence _____ 600 feet; thence _____

SEE BELOW 1500 feet; thence _____

_____ 600 feet; thence _____

_____ 1500 feet to the point and place of beginning;

Said Claim being located in the SEE BELOW of Section _____ and the _____ of Section _____, Township _____, Range _____ NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

Abuts on M & M #4 Lode Mining Claim and extends 1500 feet in a SE direction from the M & M # 4 Lode Mining Claim, following the East Camp fault and being a total of 600 feet wide. It is located approximately 1 to 1 1/2 miles SE of the Carlisle mine and approximately 18 miles NE of Duncan, Arizona. It probably lies predominately within Sec. 8, Range 20W, Township 17S. However, part of it is probably also located in Sec. 7, Township 17S, Range 20W.

Dated and posted on the grounds this 4th day of March, 19 65.

Ernest E. Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Filed for record on 5 day of March A.D. 19 65 at 2:30 o'clock P. M.

State of New Mexico County of Chaves

My Commission Expires [illegible]

Return to Emmett J. Thorpe M.D.
204 West Fourth St.
Roswell, N.M.

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of Grant } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____

_____

_____

_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 5 day of March, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 53 of Mining Claim Records, page 224, on this _____ day of _____ A. D., 19____.

Betty J. Turner
County Clerk

By E. Carrillo
Deputy

Rec. No. _____ Fee $ _____

COUNTY CLERK GRANT COUNTY NEW MEXICO

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S
39

Filed for record on 14 day of Apr, A.D., 1965 at 1:15 o'clock P M.

Betty J. Turner
Co. Clerk

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # 6 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 15th day of March, 1965, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a North West to North-West direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Stone Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section ....., Township 17 N, Range 20 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

About's M&M Lode Mining Claim No. 3 at the North West end, and extends North West along the East Camp Fault. This claim is further located approximately two (2) miles North East of the Carlisle Mine, and approximately 18 miles north east of Duncan Ariz. ~~or~~ North West of a gravel road leading from Duncan, Ariz. to the East Camp Mines and the Croom Ranch. ~~M & M Claim # 6 is located in Section 1, Township 17S, & Range 21 W.~~ It probably also is in Section 6, Township ~~17S~~, and Range 20W.

The location of this claim and the posting of this notice thereon was done in the presence of

.....

.....

who witnessed the same.

Located and claimed by

Emmet J. Hope

Dr. Emmet J. Hope, M.D.

Ernest E. Murphy

Ernest E. Murphy

M&M Enterprise Inc.

.....

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 25 day of March, 1965, before me personally appeared .....

to me known to be the person ..... described in and who executed the foregoing instrument, and acknowledged that ..... executed the same as ..... free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES .....

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 14 day of April, 1965, at 1:15 o'clock P M., and has been duly recorded in Book 54, page 39, of the Records in my office.

Betty J. Turner
County Clerk

By E. Carrillo
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 14 day of Apr, A.D., 1965 at 1:15 o'clock P M

Betty J. Turner
Co. Clerk

40

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # 7 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 16th day of March, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.W. to N.W. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 1, Township 17 South, Range 21 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

About's M&M Lode Mining Claim # 6, on the North West End, and extends North West along the East Camp Fault. This claim is further located approximately 2½ miles ~~North East of the Carlisle Mine, and~~ approximately 18 miles North East of Duncan, Ariz. North West of a gravel road leading from Duncan, Ariz. to the East Camp Mines and the ~~Cross~~ Croom Ranch.

M & M Claim # 7 is in Section 1, Township 17 South, Range 21 West.

The location of this claim and the posting of this notice thereon was done in the presence of

who witnessed the same.

Located and claimed by

M&M Enterprise Inc.
Ernest E. Murphy
~~By~~ Emmet J. Thorne, M.D.
Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 25 day of March, 1965, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 7-26-66

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 14 day of April, 1965, at 1:15 o'clock P M., and has been duly recorded in Book 54, page 40, of the Records in my office.

Betty J. Turner
County Clerk

By E. Canelo
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

41

Filed for record on 14 day of Apr., A.D., 19 65 at 1:15 o'clock P M.

Betty J. Turner
Co. Clerk

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # 8 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 17th day of March, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.W to N.W. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section ....., Township ....., Range ....., N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

About's M&M Lode Mining Claim # 7 at the N.W. end, then extending N.W. along the East Camp Fault. This claim is further located approximately two (2) and one half (½) miles North East of the Carlisle Mine, N.W. of a gravel road that leads from Duncan, Ariz. to the East Camp Mines and the Croom Ranch. M & M Claim # 8 is in Section 36, Township 16 South, Range 21 West. It may also be in Section 1, Township 17 South, Range 21 West.

The location of this claim and the posting of this notice thereon was done in the presence of

who witnessed the same.

Located and claimed by
M&M Enterprise Inc.
Emmet J. Thorne, M.D.
Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 25 day of March, 1965, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 7-24-68

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 14 day of April, 1965, at 1:15 o'clock P M., and has been duly recorded in Book 54, page 40, of the Records in my office.

Betty J. Turner
County Clerk

By E. Camels
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 14 day of Apr., A.D., 19 65 at 1:15 o'clock P.M.

Betty J. Turner
Co. Clerk

42

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # 9 Mining Claim

STEEPLE ROCK Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 18th day of March, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Steeple Rock, Grant, New Mexico

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.W. to N.W. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Stone Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 36, Township 16 South, Range 21 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

About's M&M Lode Claim # 8 at the N.W. end, then extending N.W. along the East Camp Fault. This claim is further located approximately two (2) and 3/4 miles North East of the Carlisle Mine, N.W. of a gravel road that leads from Duncan, Arizona to the East Camp Mines and the Croom Ranch. M & M Claim # 9 lies in Section 36, Township 16 South, Range 21 West.

The location of this claim and the posting of this notice thereon was done in the presence of

who witnessed the same.

Located and claimed by
M&M Enterprise Inc.
Emmet J. Thorne M.D.
Ernest F. Murphy
Ernest F. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 25 day of March, 1965, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

MY COMMISSION EXPIRES 7-26-68

My commission expires:

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 14 day of April, 19 65, at 1:15 o'clock P.M., and has been duly recorded in Book 54, page 42, of the Records in my office.

Betty J. Turner
County Clerk

By E. Ramelo
Deputy

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P M

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Co. Clerk

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P M.

Betty J. Summers
Co. Clerk

138

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

~~xxxxxxx~~ M&M # 10 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 14th day of April, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Grant, Steeple Rock, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.W to S.E. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 1 & 6 Township 17 South Range 21 & 20 West N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The S.E. Corner Monument being located 75 feet East and 75 feet South East of the South East Corner Monument of M&M Lode Claim # 6. This Mining Claim then extend's 1500 feet in a North West direction, lying parallel with M&M Lode Claim # 6. This claim ~~isx~~ further located approximately 50 feet North of a gravel road that leads from Duncan, Arizona, past the Carlisle Mine to the Croom Ranch, being approximately 2½ miles North East of the Carlisle Mine. **The above locations are considered approximate.**

The location of this claim and the posting of this notice thereon was done in the presence of

Bill Parrish

who witnessed the same.

Located and claimed by

M&M Enterprise, ~~xxx~~.
Emmet J. Thorpe, M.D.
Ernest E. Murphy
Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 17 day of May, 19 65, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 2-26-68

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, 19 65, at 2:30 o'clock P M., and has been duly recorded in Book 54, page 138, of the Records in my office.

Betty J. Summers
County Clerk

By Edith Stailey
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 17 day of May A.D., 19 65 at 7:30 o'clock P M.

Betty J. Turner
Co. Clerk

139

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # 11 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 14th day of April, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Grant, Steeple Rock, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.W to S.E. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 1 & 36 Township 17 S & 16 South Range 21 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

This Mining Claim abuts M&M Lode Mining Claim # 10 and extends 1500 feet in a North West direction along the East Camp Fault, abuting M&M Lode Claim # 10 on the North West end. The above locations are considered approximate.

The location of this claim and the posting of this notice thereon was done in the presence of

Mr. E. E. Murphy posted the claim alone, but with the knowledge of Emmet J. Thorpe, M.D. who witnessed the same.

Located and claimed by

M&M Enterprise XXXX
Emmet J. Thorpe, XXXX
Ernest E. Murphy
Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 17 day of May 19 65, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

MY COMMISSION EXPIRES

My commission expires:

Dorothea A. Bell
Notary Public

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 17 day of May, 19 65, at 7:30 o'clock P M., and has been duly recorded in Book 54, page 139, of the Records in my office.

Betty J. Turner
County Clerk

By Edith Nofziger
Deputy

STATE OF NEW MEXICO,
COUNTY OF GRANT, } ss

I hereby certify that the within instrument of writing was filed for record in my office on the 18 day of May A.D., 1965 at 2 o'clock 30 minutes P M., and recorded in Book _____ Page _____

Betty J. Turner
County Clerk

By Edith Stirley
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 18 day of May A.D., 1965 at 2:30 o'clock PM
Betty J. Turner
Co. Clerk

140

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # 12 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 14th day of April, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Grant, Steeple Rock, New Mexico

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.W. to S.E. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 36, Township 16 or possibly, Range 21 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit: 17 South

This Mining Claim abuts M&M Lode Mining Claim # 11 at the N.W. end, then extends 1500 feet in a North West direction along the East Camp Fault, being 600 feet wide. The above locations are considered approximate.

The location of this claim and the posting of this notice thereon was done in the presence of

Mr. Ernest Murphy posted the claims alone but with the knowledge of Emmet J. Thorpe, ~~XXXXX~~ who witnessed the same.

Located and claimed by

M&M Enterprise ~~XXX~~.

Emmet J. Thorpe ~~XXXXX~~

Ernest J. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 17 day of May, 1965, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 2-26-68

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, 19 65 at 2:30 o'clock P. M., and has been duly recorded in Book 54, page 140, of the Records in my office.

Betty J. Turner
County Clerk

By Lillian Stalcup
Deputy

STATE OF NEW MEXICO, }
COUNTY OF GRANT, } ss

I hereby certify that the within instrument of w[illegible]
was filed for record in my office on the 18 day of
May A.D., 1965 at 2 o'clock 30
minutes P M., and recorded in Book _____
Page _____

Betty J. Turner
County Clerk

By Edith Stanley
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

141

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P.M.
Betty J. Turner
Co. Clerk

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # 13 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 14th day of April, 1965, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Grant, Steeple Rock, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.W. to S.E. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 36, Township 16 South, Range 21 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

This Mining Claim abuts M&M Lode Mining Claim # 12 at the N.W. end, then extends 1500 feet in a N.W. direction along the East Camp Fault, being 600 feet wide. The above locations are ~~XXX~~ considered approximate.

The location of this claim and the posting of this notice thereon was done in the presence of

This claim was posted by Mr. Ernest E. Murphy alone, but with the knowledge of Emmet J. Thorpe, M.D. who witnessed the same.

Located and claimed by

M&M Enterprise, ~~XXXX~~

Emmet J. Thorpe, M.D.

Ernest E. Murphy

Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 17 day of May 1965, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 2-26-68

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, 1965, at 2:30 o'clock P.M., and has been duly recorded in Book 54, page 141, of the Records in my office.

Betty J. Turner
County Clerk

By Edith Stanley
Deputy

STATE OF NEW MEXICO, }ss
COUNTY OF GRANT, }

I hereby certify that the within instrument of writing was filed for record in my office on the 18 day of May A.D., 1965 at 2 o'clock 30 minutes M., and recorded in Book 54 Mis Locali Page

Betty J. Turner
County Clerk

By Edith Hurley
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P.M.
Betty J. Turner
Co. Clerk

142

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # 14 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 14th day of April, 1965 claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Grant, Steeple Rock, New Mexico

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.W to S.E. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section ~~6, 5, 32, 28~~ 6, 1, ~~32, 28~~ ~~Townships 16~~ 17 & ~~18~~ South Range 20 & 21 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

This Mining Claim lie's East and extends 1500 feet in a North West direction, running parallel with M&M Lode Mining Claim # 10.
The above locations are considered approximate

The location of this claim and the posting of this notice thereon was done in the presence of

This claim was posted by Mr. Ernest E. Murphy alone, but with the knowledge of Emmet J. Thorpe, M. D. who witnessed the same.

Located and claimed by

M&M Enterprise, ~~XXXX~~
Emmet J. Thorpe, M.D.
Ernest E. Murphy
Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 17 day of May, 1965, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 2-26-68

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, 1965, at 2:30 o'clock P.M., and has been duly recorded in Book 54, page 142, of the Records in my office.

Betty J. Turner
County Clerk

By Cathro L. Kelley
Deputy

EMMET J. THORPE, M. D.
ORTHOP[illegible] [illegible]ERY
211 WEST FOURT[illegible] ST[illegible]ET P[illegible]ONE: 622-[illegible]
ROSWELL, NEW MEXICO

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

143

Filed for record on 18 day of May A.D., 1965 at 2:30 o'clock PM

Betty J. Turner
Co. Clerk

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # 15 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 14th day of April, 1965, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; ~~xxxxxxxxxxxxxx~~ Grant, Steeple Rock, New Mexico

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.W. to S.E. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 36 & 1 Township 16 & 17 South, Range 21 & 20 West N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

This Mining Claim Abuts the N.W. end of M&M Lode Mining Claim # 14, then extends North West for a distance of 1500 feet, being 600 feet wide. The above locations are considered approximate.

The location of this claim and the posting of this notice thereon was done in the presence of

This claim was posted by Mr. Ernest E. Murphy alone, but with the knowledge of Emmet J. Thorpe, M.D. who witnessed the same.

Located and claimed by

M&M Enterprise, ~~xxxx~~

Emmet J. Thorpe, M.D.

Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 17 day of May, 1965, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 7-26-68

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, 1965, at 2:30 o'clock P.M., and has been duly recorded in Book ____, page 143, of the Records in my office.

Betty J. Turner
County Clerk

By Earl J. Bailey
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock PM
Betty J. Turner
Co. Clerk

144

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # 16 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 14th day of April, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Grant, Steeple Rock, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.W. to S.E. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 36 ~~36~~, Township 16 ~~South~~, Range 21 ~~West~~, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

This Mining Claim abuts the N.W. end of M&M Lode Mining Claim # 15, then extends 1500 feet in a North West direction, being 600 feet wide. The above locations are considered approximate.

The location of this claim and the posting of this notice thereon was done in the presence of

~~This claim was posted by Mr. Ernest E.~~ Murphy alone, but with the knowledge of ~~Emmet J. Thorpe, M.D.~~ who witnessed the same.

Located and claimed by

M&M Enterprise, ~~XXXX~~.

~~Emmet J. Thorpe, M.D.~~

Ernest E. Murphy

Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 17 day of May, 19 65, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bee
Notary Public

My commission expires: MY COMMISSION EXPIRES 7-26-68

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 17 day of May, 19 65, at 2:30 o'clock P.M., and has been duly recorded in Book 54, page 144, of the Records in my office.

Betty J. Turner
County Clerk

By Betty J. Turner
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P.M.

Betty J. Turner
Co. Clerk

145

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # 17 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 14th day of April, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Gr nt, Steeple Rock, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.W. to S.E. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 36, Township 16 South, Range 21 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

This Mining Claim Abuts the N.W. end of M&M Lode Mining Claim #16, then extend 1500 feet in a North West direction, being 600 feet wide.

The above locations are considered approximate.

The location of this claim and the posting of this notice thereon was done in the presence of

This claim was posted by Mr. Ernest E. Murphy alone, but with the knowledge of Emmet J. Thorpe, M.D.
who witnessed the same.

Located and claimed by

M&M Enterprise, XXXX.

Emmet J. Thorpe

Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 17 day of May, 19 65, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 7-26-68

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, 19 65, at 2:30 o'clock P. M., and has been duly recorded in Book 54, page 145, of the Records in my office.

Betty J. Turner
County Clerk

By Edith Tra
Deputy

EMMET J. THORPE, M. D.
ORTHOPAEDIC SURGERY
[illegible] WEST FOUR[illegible] STREET PHONE: 622-9740
ROSWELL, NEW MEXICO

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P M.

Betty J. Turner
Co. Clerk

146

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # 18 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 14th day of April, 1965, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Grant, Steeple Rock, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.W. to S.E. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monyments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section Sections 6, 1, 31, & 36 6 & 31 Township 16 & 17 South, Range 20 & 21 West N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

This Mining Claim lie's East and runs Parallel to the M&M Lode Mining Claim # 14, ~~extending 1500 feet in a North West direction, being 600 feet wide. The above locations are considered approximate.~~

The location of this claim and the posting of this notice thereon was done in the presence of

This claim was posted by Mr. Ernest E. Murphy alone, but with the knowledge of ~~Emmet J. Thorpe, M. D.~~ who witnessed the same.

Located and claimed by

M&M Enterprise, ~~XXXX~~.

~~Emmet J. Thorpe, M.D.~~

Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 17 day of May, 1965, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 2-26-69

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, 1965, at 2:30 o'clock P M., and has been duly recorded in Book 54, page 146, of the Records in my office.

Betty J. Turner
County Clerk

By Lucille Shelby
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock PM.

Betty J. Turner
Co. Clerk

147

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M #19 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 14th day of April, 1965, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Grant, Steeple Rock, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.W. to S.E. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section ~~31 &~~ 36, 1, & 6, Township ~~16 & possibly~~ 17 South, Range ~~20 & 21 West~~ N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

This Mining Claim abuts the N.W. end of M&M Lode Mining Claim #18, then extends 1500 feet in a North West direction, being 600 feet wide. The above locations are considered approximate.

The location of this claim and the posting of this notice thereon was done in the presence of

This claim was posted by Mr. Ernest E. Murphy alone, but with the knowledge of ~~Emmet J. Thorpe, M.D.~~ who witnessed the same.

Located and claimed by

M&M Enterprise, ~~XXXX~~

Emmet J. Thorpe, M.D.

Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 17 day of May, 1965, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires:

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, 1965, at 2:30 o'clock PM, and has been duly recorded in Book 54, page 147, of the Records in my office.

Betty J. Turner
County Clerk

By Edith Tarr
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P.M.
Betty J. Turner
Co. Clerk

148

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

~~M&M~~ # 20 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 14th day of April, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Grant, Steeple Rock, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.W. to S.E. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 36, Township 16 South, Range 21 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

This Mining Claim abuts the N.W. end of M&M Lode Mining Claim # 19, then extends 1500 feet in a North West direction, being ~~600 feet wide. The above locations are considered approximate.~~

The location of this claim and the posting of this notice thereon was done in the presence of

This claim was posted by Mr. Ernest E. Murphy alone, but with the knowledge of ~~Emmet J. Thorpe, M. D.~~ who witnessed the same.

Located and claimed by

~~M&M Enterprise, XXXX~~
~~Emmet J. Thorpe, M. D.~~
Ernest E. Murphy
Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss. On this 17 day of May, 1965, before me

appeared

described in and who executed the foregoing instrument, and acknowledged that

executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires:

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, 19 65, at 2:30 o'clock P.M., and has been duly recorded in Book 54, page 148, of the Records in my office.

Betty J. Turner
County Clerk

By Edith Stanley
Deputy

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock PM

Betty J. Turner
Co. Clerk

149

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # 21 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 14th day of April, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Grant, Steeple Rock, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.W. to S.E. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 36 & 25, Township 16 South, Range 21 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

This Mining Claim Abuts the N.W. end of M&M Lode Mining Claim # 20, then extends North West for a distance of 1500 feet, being 600 feet wide. The above locations are considered approximate.

The location of this claim and the posting of this notice thereon was done in the presence of

This claim was posted by Mr. Ernest E. Murphy alone, but with the knowledge of Emmet J. Thorpe, M.D.
who witnessed the same.

Located and claimed by
M&M Enterprise, XXXX XXXX
Emmet J. Thorpe, M.D.
Ernest E. Murphy
Ernest, E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 17 day of May, 1965, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that the same as free act and deed.

[illegible] last above written.

Cynthea A. Bell
Notary Public

My commission expires:

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, 1965, at [illegible] o'clock [illegible] M. and has been duly recorded in Book 54, page 149, of the Records in my office.

Betty J. Turner
County Clerk

By [illegible]
Deputy

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P.M.
Betty J. Turner
Co. Clerk

Form 331 Rev. Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

Notice of Lode Mining Location

150

STATE OF NEW MEXICO,
County of Grant, The M&M # 22 Mining Claim.
Steeple Rock Mining District.

The undersigned, who Are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that They have discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 14th day of April, A. D., 19 65, do hereby give notice of Their intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M&M # 22 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim 1500 feet in a North Westly direction and ~~1500h East~~ feet in a South Easty direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the S.E to the N.W.

The undersigned have distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and have posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the ~~Southwest~~ ~~Northwest~~ Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence
600 feet; thence
1500 feet; thence
600 feet; thence
1500 feet to the point and place of beginning;

Said Claim being located in the of Section
and the of Section 31 & 6
, Township 16 & 17 South, Range 20 West
NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:
This claim lie's East and parallel to M&M Lode Mining Claim ~~xxxxx~~ # 18, with the S.E. Corner Monument being East and adjacent to the S.E. Corner Monument of M&M Lode Mining Claim # 18. This claim then extends 1500 feet in a North West direction, being 600 feet wide. The above locations are considered approximate.

Dated and posted on the grounds this 14th day of April, 19 65.

Ernest E. Murphy
Augustus Thorpe
Justin Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____

_____

_____

_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 19 65 at 3:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 150, on this _____ day of _____ A. D., 19____.

Betty J. Lawrence
County Clerk

By Edith Lopez
Deputy

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO
SWORN BEFORE ME THIS 19 DAY OF MAY 19 62
Douglas A. Reed
7/26/65
CHAVEZ COUNTY, NEW MEXICO

Filed for record on 18 day of May, A.D., 19 65 at 2:30 o'clock P.M.

Form 331 Rev. Betty J. Turner Co. Clerk

Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

151 Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of Grant, The M&M # 23 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizen's of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that they ha ve discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 14th day of , A. D., 19 65, do hereby give notice of their intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M&M # 23 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the S.E. to the N.W.

The undersigned ha ve distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha ve posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section , Twp. , Range , bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 31 & 36, Township 16 South, Range 20 & 21 West NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

This claim abuts the N.W. end of M&M Lode Mining Claim # 22, then extends North West for a distance of 1500 feet, being 600 feet wide. The above locations are considerhed approximate.

Dated and posted on the grounds this 14TH day of APRIL, 19 65.

Ernest E Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____

_____

_____

_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 151, on this _____ day of _____ A. D., 19____

Betty Jo Jewiss
County Clerk

By Edna Stanley
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N.M.
Form 331 Rev.

STATE OF NEW MEXICO
SWORN BEFORE ME THIS 17 day of
Dorothy A. Beal
Notary Public
DONA ANA COUNTY, NEW MEXICO

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P M.

Betty J. Turner
Co. Clerk

152

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M & M # 24 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 14th day of April, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named;

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a NW SE to NW direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 36, Township 16 South, Range 21 West N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

This claim abuts M & M Lode Mining Claim # 23 at the N.W. end then extends 1500 feet in a N.W. direction being 600 feet wide. The above locations are considered approximate.

The location of this claim and the posting of this notice thereon was done in the presence of

LThis claim was posted by Mr. Ernest E. Murphy alone with the knowledge of Emmet J. Thorpe.
who witnessed the same.

Located and claimed by

Emmet J. Thorpe
Ernest E. Murphy

STATE OF NEW MEXICO,
County of Grant } ss.

On this 17 day of May, 1965, before me

acknowledged that

executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES [illegible]

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, 1965, at 2:30 o'clock P M., and has been duly recorded in Book 51, page 152, of the Records in my office.

Betty J. Turner
County Clerk

By Edith Starling
Deputy

STATE OF NEW MEXICO,
COUNTY OF GRANT, } ss

I hereby certify that the within instrument of writing was filed for record in my office on the 28 day of May A.D. 19 62 at 2 o'clock 30 minutes P. M. and recorded in Book _____ Page _____

Becky J. Bronner
County Clerk

By Ethel Stilley
Deputy

Filed for record on 16 day of May, A.D., 1965 at 2:30 o'clock P.M.

Form 331 Rev. Betty J. Turner Co. Clerk

Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

153

Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of CLAY, The M & M # 25 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizens of the United States (or has declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that has discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 14th day of April, A. D., 1965, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M # 25 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the .

The undersigned have distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and have posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section , Twp. , Range , bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 36 & 25 XXXXXXXX, Township 16 South, Range 21 West NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

THIS MINING CLAIM ABUTS M & M LODE MINING CLAIM AT 24 AT THE NW END. THEIR EXTENDS 600 FT. IN A NW DIRECTION, BEING 600 FT. WIDE. The above locations are considered approximate.

Dated and posted on the grounds this 14TH day of APRIL, 19 65.

Ernest E. Murphy

Gladys Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____

_____

_____

_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 13 day of May, A. D., 1965 at 3:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 153, on this _____ day of _____ A. D., 19____.

Betty Jo Spencer
County Clerk

By Edith Talley
Deputy

Rec. No. _____ Fee $ _____

Printed and for sale by Hull-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF GRANT
SWORN BEFORE ME THIS 12 DAY OF MAY 1965
Dorothea R. Beck
NOTARY PUBLIC

DOROTHEA R. BECK
NOTARY PUBLIC
COUNTY OF GRANT, NEW MEXICO

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P M

Form 331 Rev. Betty Turner Deputy Clerk

Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

Notice of Lode Mining Location

154

STATE OF NEW MEXICO,

County of Colfax, The M & M # 26 Mining Claim.

Cimarron Mining District.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 14th day of April, A. D., 19 65, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M # 26 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim 750 in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned have distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence

600 feet; thence

1500 feet; thence

600 feet; thence

1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 6 & 31, Township 17 & 16 South, Range 20 West. NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

THE S.W. CORNER MONUMENT LIES EAST OF THE S.E. CORNER MONUMENT OF MAY LODE MINING CLAIM #1 AND THE CLAIM SHALL EXTEND 600 FT. IN A N.W. DIRECTION RUNNING PARALLEL TO MAY LODE MINING CLAIM #1 2. CONTAIN A TOTAL OF 600 FT. WIDE. The above locations are considered approximate.

Dated and posted on the grounds this 14TH day of APRIL, 19 65.

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____

_____

_____

_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 154, on this _____ day of _____ A. D., 19____.

Bertha J. Turner
_____ County Clerk

By _____ Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF GRANT
SWORN BEFORE ME THIS 17 DAY OF May 1965
Dorothea A. Beed
NOTARY PUBLIC
MY COMMISSION EXPIRES

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P.M.

Form 331 Rev. Betty J. Turner Clerk

Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

455 Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of GRANT, The M & M # 27 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 14th day of April, A. D., 19 65, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M # 27 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the .

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section , Twp. , Range , bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 31 & 36, Township 16 South, Range 20 & 21 West NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

THIS CLAIM ABUTS THE NW END OF M & M 1 & 2 MINING CLAIM AT A B. THEN EXTENDS NW FOR A DISTANCE OF 1500 FT MEAS. 600 FT WIDE.

The above locations are considered approximate.

Dated and posted on the grounds this 14TH day of APRIL, 19 65.

Ernest E. Murphy

Gisela Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____
_____
_____
_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 155, on this _____ day of _____ A. D., 19____.

Betty J. Lemmer
County Clerk

By Ruth Stacy
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 531-Rev.

STATE OF NEW MEXICO, COUNTY OF DONA ANA
SWORN BEFORE ME THIS 17 DAY OF MAY 1965
Dorothea A. Bell
NOTARY PUBLIC

D. A. BELL
NOTARY PUBLIC
DONA ANA COUNTY, NEW MEXICO

COUNTY OF GRANT

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P.M.

Form 331 Rev. Betty J. Turner Co. Clerk

Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

Notice of Lode Mining Location

156

STATE OF NEW MEXICO,

County of Grant, The M & M # 28 Mining Claim.

Gila Mining District.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 14th day of April, A. D., 1965, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M # 28 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 31 & 36, Township 16 South, Range 20 & 21 West NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

THE WEST POINT THE N.W. END OF M & M LODE MINING CLAIM AT 2.7 THEN RETURNS 1500 FT IN A N.W. DIRECTION, POINT 600 FT WEST.

The above locations are considered approximate.

Dated and posted on the grounds this 14TH day of MAY, 19 65.

S. Thurgood M.D. Ernest E. Murphy

Magdalene Thorpe Lyndia Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____
_____
_____
_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 156, on this _____ day of _____ A. D., 19____.

Betty J. Turner
County Clerk

By Edith Lasley
Deputy

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N.M.
Form 331 Rev.

STATE OF NEW MEXICO
SWORN BEFORE ME THIS 17 day of May, 1965
Dorothea A. Redd
NOTARY PUBLIC

DELL AMMOO
NOTARY PUBLIC
NEW MEXICO

COUNTY OF GRANT

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock PM.

Form 331 Rev. Betty J. Turner Co. Clerk Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

152 Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of Grant, The M & M # 29 Mining Claim.

Silver City Mining District.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 14th day of April, A. D., 1965, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M # 29 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 36 & 25, Township 16 South, Range 21 West NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows: [illegible] The above locations are considered approximate.

Dated and posted on the grounds this 14th day of April, 1965.

[illegible] Thurman O. Hayes

[illegible]

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____

_____

_____

_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1965 at 9:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 157, on this _____ day of _____ A. D., 19____.

Betty J. Turner
County Clerk

By Edith Sp[illegible]
Deputy

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

Omelia A. Bell
Notary Public
Chaves County, New Mexico
My Commission Expires

Filed for record on 18 day of May, A.D., 19 65 at 2:30 o'clock P M

Form 331 Rev. Betty J. Turner Co. Clerk Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

Notice of Lode Mining Location

158

STATE OF NEW MEXICO,

County of Grant, The M & M # 30 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 18th day of April, A. D., 19 65, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M # 30 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 1, Township 17 South, Range 21 West NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

THE S.E. CORNER MONUMENT OF THE CLAIM IS LOCATED APPROXIMATELY 75 FT. WEST OF THE S.W. CORNER MONUMENT OF CHICO #1 & 2 PLACER MINING CLAIM THEN EXTENDS NORTH FOR 600 FT. THE CLAIM IS FURTHER DESCRIBED AS BEING 1½ MILES NORTH EAST OF THE CARLISLE MINE [illegible] 750 FT. N.W. OF A CORNER COND LEADING FROM DIVIDE [illegible] THE CARLISLE MINE TO THE CROSS RANCH. The above locations are considered approximate.

Dated and posted on the grounds this 18 day of April, 19 65.

M & M Enterprises

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____

_____

_____

_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 158, on this _____ day of _____ A. D., 19____.

Betty J. Turner
County Clerk

By Edith Stevenson
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, SS.
SWO'RN BEFORE ME THIS 24 DAY OF May, 1965
Dorothea A. Bedell
NOTARY PUBLIC

DOROTHEA A. BEDELL
NOTARY PUBLIC
CHAVES COUNTY, NEW MEXICO

MY COMMISSION EXPIRES

Filed for record on 18 day of May A.D., 1965 at 2:30 o'clock P.M.

Form 331 Rev. Betty J. Turner Co. Clerk

Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

159

Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of GRANT, The M & M # 31 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 18th day of April, A. D., 19 65, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M # 31 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 1, Township 17 South, Range 21 West NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

THE S.E. AND S.W. CORNER MONUMENTS ABOUT THE N.W. AND N.E. CORNER MONUMENTS OF ALBUQUERQUE MINING CLAIM #30. THIS CLAIM TAKES EXTENDS N.W. 2000 FT. FROM POINT OF DISCOVERY AND FT. S.E. The above locations are considered approximate.

Dated and posted on the grounds this 18TH day of APRIL, 19 65.

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____

_____

_____

_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 159, on this _____ day of _____ A. D., 19____.

Betty J. Turner
County Clerk

By Edith Hagley
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO
COUNTY OF GRANT
SWORN BEFORE ME THIS 21 DAY OF MAY 1965
Dorothea C. Barnett
NOTARY PUBLIC

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P M.

Form 331 Rev. Betty J. Turner Co. Clerk Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

Notice of Lode Mining Location

160

STATE OF NEW MEXICO,

County of Grant, The M & M # 32 Mining Claim.

Silver City Mining District.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 18th day of April, A. D., 1965, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M # 32 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence

600 feet; thence

1500 feet; thence

600 feet; thence

1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 1 & 36, Township 16 & 17 South, Range 21 West NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

THE S.E. AND S.W. CORNER MONUMENTS OF THIS CLAIM ARE THE N.E. & N.W. CORNER MONUMENTS OF MINNIE LOUISE MINING CLAIM #731. THIS CLAIM THEN EXTENDS 1500 FT. IN A N.W. DIRECTION AND 600 FT. WIDE.

The above locations are considered approximate.

Dated and posted on the grounds this 18TH day of APRIL, 1965.

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____

_____

_____

_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1962 at 2:30 o'clock P M., and was duly recorded in Book 34 of Mining Claim Records, page 160, on this _____ day of _____ A. D., 19____.

Betty J. Turner
County Clerk

By Edith Stacke
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF
SWORN BEFORE ME THIS 17TH DAY OF
Theathea Gibbs
MY COMMISSION EXPIRES
THEA A. DELL COLLETTE
NOTARY PUBLIC
CHAVES COUNTY, NEW MEXICO

COUNTY CLERK
GRANT COUNTY, NEW MEXICO

Filed for record on 18 day May 1965 at 2:30 o'clock P M.
Bert O. Turney
Co. Clerk

Form 331 Rev. Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

161 Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of GRANT, The M & M # 33 Mining Claim.
Gila Mine Mining District.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 18th day of April, A. D., 1965, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M # 33 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the .

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section , Twp. , Range , bears degrees, minutes a distince of feet, thence
600 feet; thence
1500 feet; thence
600 feet; thence
1500 feet to the point and place of beginning;
Said Claim being located in the of Section
and the of Section 36, 1, & 35
, Township 16 & 17 South, Range 21 West
NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:
THE S.W. & S.E. CORNER MONUMENTS OF THIS CLAIM ABUT THE N.W. & N.E. CORNER MONUMENTS OF MAM LODE CLAIM #32. THE CLAIM THEN EXTENDS 1500 FT. IN A N.W. DIRECTION. BEING 600 FT. WIDE. The above locations are considered approximated.

Dated and posted on the grounds this 18TH day of April, 1965.

Ernest E. Murphy
Josie Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____
_____
_____
_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 161, on this _____ day of _____ A. D., 19____.

Betty J. Turner
County Clerk

By Edith Atkinley
Deputy

Rec. No. _____ Fee $ _____

Printed and for sale by Half-Poorbaugh Press, Roswell, N.M.
Form 331 Rev.

STATE OF NEW MEXICO
COUNTY OF GRANT
FILED
MAY 18 1965
BETTY J. TURNER
COUNTY CLERK
DEPUTY

STATE OF NEW MEXICO
COUNTY OF CHAVES
FILED
MAY 12 1965
SOPHIA ROSS
COUNTY CLERK
DEPUTY

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P.M.

Form 331 Rev. Betty J. Turner Co. Clerk Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

Notice of Lode Mining Location

162

STATE OF NEW MEXICO,

County of Grant, The M&M # 34 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizen of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that they have discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 26th day of April, A. D., 1965, do hereby give notice of their intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M&M # 34 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim 1500 feet in a S.E. ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the N.W. to the S.E.

The undersigned have distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and have posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the N.W. Corner thereof, whence the Corner of Section , Twp. , Range , bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the S.E. ¼ of the N.W. ¼ of Section 6 & 1, Township 17 S, Range 20 W NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows: The above locations are considered approximate.

~~The Center Monument of this claim is located x25 Approximately 25 Ft.~~ South of the S.E. Corner Monument of M&M Lode Claim # 10. This Claim then extends along the East Camp Fault in a South East direction for a distince of 1500 ft. and lie's on the East side of the East Camp Fault. The North end of this claim is further located approximately 15 feet south of a gravel road that leads from Duncan, Arizona, to the Croom Ranch, at a distance of approx. 2½ Miles N.E. of the Carlisle M

Dated and posted on the grounds this 26th day of April, 19 65.

E. J. Thorpe M.D. Ernest E. Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____

_____

_____

_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1965 at 7:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 162, on this _____ day of _____ A. D., 19____.

Betty J. Turner
County Clerk

By Edith Rodriguez
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N.M.
Form 33 F. Rev.

STATE OF NEW MEXICO
SWORN BEFORE ME THIS 12 DAY OF May 1965
Patricia A. Bell
NOTARY PUBLIC
CHAVES COUNTY

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P.M.

Form 331 Rev. Betty J. Turner Ex. Clerk Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

163 Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of Grant, The M&M # 35 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizen of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that they have discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 26th day of April, A. D., 1965, do hereby give notice of their intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M&M # 35 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a S.E. ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the N.W. to the S.E.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and have posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the N. Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 6&7 & 1, Township 17 S, Range 20 W NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

The Center Monument of this claim is located approximately 25 Ft. South of the S.W. Corner Monument of M&M Lode Claim # 10. This Claim then extends along the East Camp Fault, on the West side, for a distince of 1500 feet, in a South East direction. The North end of this claim is further located approximately 15 feet South of a gravel road that leads from Duncan, Arizona to the Groom Ranch, at a distance of approx. 2½ miles N.E. of the Carlisle Mine.

The above locations are considered approximate.

Dated and posted on the grounds this 26th day of April, 1965

C. J. Moje M.D. Ernest E. Murphy

Thomas Hope Gordon Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____
_____
_____
_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18th day of May, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 163, on this _____ day of _____ A. D., 19____.

Betty J. Turner
County Clerk

By Edith Hurley
Deputy

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF CHAVES
SWORN BEFORE ME THIS 17 DAY OF May 1965
Donella G. Bucco NOTARY PUBLIC

MY COMMISSION EXPIRES 7-26-68

Filed for record on 18 day of May, A.D., 65 at 2:30 o'clock P.M.

Form 331 Rev. Betty F. Turner, Co. Clerk

Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

Notice of Lode Mining Location

164

STATE OF NEW MEXICO,

County of Grant, The M&M # 36 Mining Claim.

Steeple Rock Mining District.

The undersigned, who Are citizen of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that they have discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 26th day of April, A. D., 1965, do hereby give notice of their intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M&M # 36 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the N.W. to the S.E.

The undersigned have distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and have posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section 6 & 7 and the of Section, Township 17 S, Range 20 W NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

The N.W. end of this eClaim abuts the S.E. end of M&M Lode Claim # 34, then extends South East along the East side of the East Camp Fault for 1500 feet, being 600 feet wide. The above locations are considered approximate.

Dated and posted on the grounds this 26th day of April, 19 65

G. T. Murphy M.D. Ernest E. Murphy

Elizabeth Murphy Goldie Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____

_____

_____

_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18th day of May, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 164, on this _____ day of _____ A. D., 19____.

Betty J. Jaquier
County Clerk

By Edith Stelly
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N.M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF GRANT
SWORN BEFORE ME THIS 12 DAY OF May 1968
Donathus E. Bell
NOTARY PUBLIC
MY COMMISSION EXPIRES JAN. 1, 1969

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P M.

Form 331 Rev. Betty J. Turner Co. Clerk Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

165 Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of Grant, The M&M # 37 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizen of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that they have discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 26th day of April, A. D., 1965, do hereby give notice of their intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M&M # 37 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the N.W. to the S.E.

The undersigned have distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and have posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 6 & 7, Township 17 S, Range 20 W. NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

The N.W. end of this claim abuts the S.E. end of M&M Lode Claim # 35, then extends South East along the West side of the East Camp Fault for a distince of 1500 feet, being 600 feet wide.

The above locations are considered approximate.

Dated and posted on the grounds this 26th day of April, 1965.

E. Thorpe M.D. Ernest E. Murphy

Augusta Thorpe Goldie Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____
_____
_____
_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18th day of May, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 165, on this _____ day of _____ A. D., 19____.

Betty J. Turner
_____ County Clerk

By Edith Stanley
_____ Deputy

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF CHAVES
SWORN TO BEFORE ME THIS 10 DAY OF May 1962
Dorothea A. Bell
NOTARY PUBLIC
MY COMMISSION EXPIRES

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P.M.

Form 331 Rev. Betty J. Turner Co. Clerk Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

Notice of Lode Mining Location

166

STATE OF NEW MEXICO,

County of Grant, The M&M # 38 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizen of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that They have discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 26th day of April, A. D., 19 65, do hereby give notice of their intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M&M # 38 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section ~~X~~ & 8 & 7 and the of Section ~~X~~ & 8 & 7 Sections 7 & 8, Township 17 S, Range 20 W NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

The N.W. end of this claim abuts the S.E. end of M&M Lode Claim # 36, then extends South East along the East side of the East Camp Fault for a distince of 1500 feet, being 600 feet wide.

The above locations are considered approximate.

Dated and posted on the grounds this 26th day of April, 19 65.

Ernest E. Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____

_____

_____

_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 166, on this _____ day of _____ A. D., 19____.

Betty J. Turner
County Clerk

By Edith Stacey
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF GRANT
SWORN BEFORE ME THIS 17 DAY OF May 1965
Dorothea R. Rose
Notary Public

Filed for record on 18 day of May A.D., 1965 at 2:30 o'clock P.M.

Bert J. Turner
Co. Clerk

Form 331 Rev. Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

167 Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of Grant, The M&M # 39 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizen of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ~~they~~ ha~~ve~~ discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 26th day of April, A. D., 1965, do hereby give notice of their intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M&M # 39 Mining Claim.

Said Claim so located is rectangular in form, being 1500 _____ feet in length along said vein, lode or deposit, and 600 _____ feet along the surface in width; said Claim measures lengthwise of the claim _____ feet in a _____ly direction and _____ feet in a _____ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 _____ feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the N. W. to the S.E.

The undersigned ha~~ve~~ distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha~~ve~~ posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the _____ Corner thereof, whence the _____ Corner of Section _____, Twp. _____, Range _____, bears _____ degrees, _____ minutes _____ a distince of _____ feet, thence _____ 600 feet; thence _____ 1500 feet; thence _____ 600 feet; thence _____ 1500 feet to the point and place of beginning;

Said Claim being located in the _____ of Section 7 & 8 _____ and the _____ of Section _____ Sections 7 & 8, Township 17 S, Range 20 W. NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

The N.W. end of this claim abuts the S.E. end of M&M Lode Claim # 37, then extends South East along the West side of ~~M&M~~ the East Camp Fault for a distince of 1500 feet, being 600 feet wide. The above locations are considered approximate.

Dated and posted on the grounds this 26th day of April, 1965.

Ernest E. Murphy

Lucille Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____

_____

_____

_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1965 at 7:30 o'clock ____ M., and was duly recorded in Book 54 of Mining Claim Records, page 167, on this ____ day of _____ A. D., 19____.

Betty J. Jones
County Clerk

By Faith Stalcup
Deputy

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF SANTA FE
SWORN BEFORE ME THIS 12 DAY OF MAY 1965
Dorothea A. Bell
NOTARY PUBLIC
MY COMMISSION EXPIRES 2-26-68

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P. M.

Form 331 Rev. Betty J. Turner Co. Clerk

Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

Notice of Lode Mining Location

168

STATE OF NEW MEXICO,

County of Grant, The M&M # 40 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 28th day of April, A. D., 1965, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M&M # 40 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the N.W. to the S.E.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 8, Township 17 S, Range 20 W NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

The N. W. Corner Monument of this claim abuts the S.E. Corner Monument of M&M Lode Claim # 38. This claim then extends S.E. along the East side of the East Camp Fault for a distince of 1500 feet, being 600 feet wide. The above locations are considered approximate.

Dated and posted on the grounds this 28th day of April, 1965.

Ernest E. Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____
_____
_____
_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18th day of May, A. D., 19 65 at 2:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 168, on this _____ day of _____ A. D., 19____.

Betty J. Turner
County Clerk

By Edith Staley
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF CHAVES
SWORN BEFORE ME THIS 17 DAY OF May 1965
Dorothea R. Ball
NOTARY PUBLIC
MY COMMISSION EXPIRES 3-26-65

Filed for record on 18 day of May A.D., 19 65 at 2:30 o'clock P.M.
Form 331 Rev. Betty J. Turner Co. Clerk

Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

169 Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of Grant, The M&M # 41 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 28th day of April, A. D., 19 65, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M&M # 41 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 8 & 7, Township 17 S, Range 20 W NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

The N.E. Corner Monument of this claim abuts the S. W. Corner Monument of M&M Lode Claim # 39. This claim then extends S.E. Along the West side of the East Camp Fault for a distince of 1500 Feet, being 600 feet wide. The above locations are considered approximate.

Dated and posted on the grounds this 28th day of April, 19 65.

Ernest E. Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____
_____
_____
_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1965 at 2:30 o'clock P. M., and was duly recorded in Book 54 of Mining Claim Records, page 169, on this _____ day of _____ A. D., 19____.

Betty Jo Turner
County Clerk

By Erik Stanley
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF CHAVES
SWORN BEFORE ME THIS 12 DAY OF May 1965
Dorothea R. Beale
NOTARY PUBLIC

Filed for record on 16 day of May, A.D., 1965 at 2:30 o'clock P. M.

Form 331 Rev. Betty J. Turner Co. Clerk Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

Notice of Lode Mining Location

170

STATE OF NEW MEXICO,

County of Grant, Steeple Rock Mining District. } The M&M # 42 Mining Claim.

The undersigned, who citizen of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 28th day of April, A. D., 19 65, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M # 42 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 8, Township 17 South, Range 20 West NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

~~Thxxxxxx~~ The N.W. end of this claim abuts the S.E. end of M&M Lode Claim # 40. This claim then extends S.E. along the East side of the East Camp Fault for a distince of 1500 feet, being 600 feet wide.

The above locations are considered approximate.

Dated and posted on the grounds this 28th day of April, 19 65.

Ernest E. Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____
_____
_____
_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 170, on this _____ day of _____ A. D., 19____.

Betty J. Duncan
County Clerk
By Edith Stanley
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF CHAVES
SWORN BEFORE ME THIS 17 DAY OF May 1965
Cornelia G. Baca
NOTARY PUBLIC
MY COMMISSION EXPIRES

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P.M.

Form 331 Rev. Betty J. Turner Co. Clerk Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

171

Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of Grant, The M&M # 43 Mining Claim.

Steeple Rock Mining District.

The undersigned, who citizen of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 28th day of April, A. D., 1965, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M&M # 43 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 8, Township 17 South, Range 20 West NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

The N.E. end of this claim abuts the S.E. end of M&M Lode Claim # 41. This claim then extends S.E. along the West side of the East Camp Fault of a distince of 1500 feet, being 600 feet wide.

The above locations are considered approximate.

Dated and posted on the grounds this 28th day of April, 1965.

Ernest E Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____
_____
_____
_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1965 at 2:30 o'clock P. M., and was duly recorded in Book 54 of Mining Claim Records, page 171, on this _____ day of _____ A. D., 19____.

Betty O. Turner
County Clerk

By Lois Bates Deputy
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF CHAVES
SWORN BEFORE ME THIS 12 DAY OF May 1965
Arthur R. Bell

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P.M.

Form 331 Rev. Betty J. Turner Co. Clerk Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

Notice of Lode Mining Location

172

STATE OF NEW MEXICO,

County of Grant, The M&M # 44 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 28th day of April, A. D., 19 65, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M # 44 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 8, Township 17 South, Range 20 West NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

The N.W. end of this claim abuts the S.E. end of M&M Lode Claim # 42. This claim then extends S.E. along the East Side of the East Camp Fault for a distince of 1500 feet, being 600 feet wide.

The above locations are considered approximate.

Dated and posted on the grounds this 28th day of April, 19 65.

E. J. Hope M.D. Ernest E. Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____
_____
_____
_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 172, on this _____ day of _____ A. D., 19____

Betty J. Forner
County Clerk

By Estella Estrada
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF GRANT
SWORN BEFORE ME THIS 17 DAY OF May 1971
Lorretta R. Bello
NOTARY PUBLIC
MY COMMISSION EXPIRES 2-25-72

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P.

Form 331 Rev. Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

Betty J. Turner
Co. Clerk

173

Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of Grant, The M&M # 45 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizen~~s~~ of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 28th day of April, A. D., 1965, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M # 45 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 8, Township 17 South, Range 20 West NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

The N.W. end of this claim abuts the S.E. end of M&M Lode Claim # 43. This claim then extends S.E. along the West side of the East Camp Fault for a distince of 1500 feet, being 600 feet wide. The above locations are considered approximate.

Dated and posted on the grounds this 28th day of April, 1965.

Ernest E. Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____
_____
_____
_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of _____ } ss.

I hereby certify that this instrument was filed for record on the 18th day of May, A. D., 19 65 at 2:30 o'clock P. M., and was duly recorded in Book 54 of Mining Claim Records, page 173, on this _____ day of _____ A. D., 19____.

Betty J. Fournier
County Clerk
By Edith Stanley Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF CHAVES
SWORN BEFORE ME THIS 17th DAY OF May 1965
Donna A. Beall
NOTARY PUBLIC
MY COMMISSION EXPIRES 6-27-69

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P.M.
Form 331 Rev. Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

Co/ Clerk

Notice of Lode Mining Location

174

STATE OF NEW MEXICO,

County of Grant, The M&M # 46 Mining Claim.

Steeple Rock Mining District.

The undersigned, who citizen of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 28th day of April, A. D., 19 65, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M # 46 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 8, Township 17 South, Range 20 West NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

The N.W. endx of this claim abuts the S.E. end of M&M Lode Claim # 44. This claim then extends S.E. along the East side of the East Camp Fault for a distince of 1500 feet, being 600 feet wide.

~~The above locations are considered approximate.~~

Dated and posted on the grounds this 28th day of April, 19 65.

Ernest E. Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____
_____
_____
_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of _____ } ss.

I hereby certify that this instrument was filed for record on the 18th day of May, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 174, on this _____ day of _____ A. D., 19____.

Betty J. Turner
County Clerk

By Edith Shirley
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF CHAVES
SWORN BEFORE ME THIS 17 DAY OF May 1965
Dorthea R. Bell NOTARY PUBLIC
MY COMMISSION EXPIRES 2-26-69

NOTARY PUBLIC COUNTY, NEW MEXICO

Filed for record on 18 day of May, A.D., 1965 at 2:40 o'clock P.M.

Betty O. Turner
Co. Clerk

Form 331 Rev. Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

175

Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of Grant, The M&M # 47 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 28th day of April, A. D., 1965, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M # 47 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 8, Township 17 South, Range 20 West NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

The N.W. end of this claim abuts the S.E. end of M&M Lode Claim # 45. This claim then extends S.E. along the ~~Exxx~~ West side of he ~~East Camp Fault for a distince of 1500 feet, being 600 feet wide.~~ ~~The above locations are considered approximate.~~

Dated and posted on the grounds this 28th day of April, 19 65.

Ernest E. Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____
_____
_____
_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of _____ } ss.

I hereby certify that this instrument was filed for record on the 18th day of May, A. D., 1965 at 2 30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 175, on this _____ day of _____ A. D., 19____.

Betty J. Turner
County Clerk

By Edith Stanley
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF CHAVES
SWORN BEFORE ME THIS 17 DAY OF May 1965
Dorothea A. Dell
NOTARY PUBLIC

MY COMMISSION EXPIRES 2-26-69

Filed for record on 11 day May 1965 at 2:30 o'clock P.M.

Form 331 Rev. Betty J. Turner Co. Clerk Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

Notice of Lode Mining Location

176

STATE OF NEW MEXICO,

County of Grant, The M&M # 48 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 28th day of April, A. D., 1965, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M # 48 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 8, Township 17 South, Range 20 West NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

The N.W. end of this claim abuts the S.E. end of M&M Lode Claim # 46. This claim then extends along the East side of the East Camp Fault for a distince of 1500 feet, being 600 feet wide. The above locations are considered approximate.

Dated and posted on the grounds this 28th day of April, 19 65.

Ernest E. Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____
_____
_____
_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of _____ } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1965 at 2 30 o'clock P M., and was duly recorded in Book 2-4 of Mining Claim Records, page 176, on this _____ day of _____ A. D., 19____.

Betty J. Turner
County Clerk

By Edith Stanley
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF CHAVES
SWORN BEFORE ME THIS 17 DAY OF Feb 1970
Dorthea C. Bell
NOTARY PUBLIC
MY COMMISSION EXPIRES 2-14-70

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P.M.

Form 331 Rev. Betty J. Turner Co. Clerk

Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

177

Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of Grant, The M&M # 49 Mining Claim.

Steeple Rock Mining District.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 28th day of April, A. D., 1965, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M # 49 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 8, Township 17 South, Range 20 West NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

The N.W. end of this claim abuts the S.E. end of M&M Lode Claim # 47. This claim then extends S.E. along the West side of the East Camp Fault for a distince of 1500 feet, being 600 feet Wide. The above locations are considered approximate.

Dated and posted on the grounds this 28 day of April, 1965.

Ernest E. Murphy

Virginia Sharpe

Gretta Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____
_____
_____
_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1965 at 2:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 177, on this _____ day of _____ A. D., 19____.

Betty J. Turner
County Clerk

By Edith Stirling
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331, Rev.

STATE OF NEW MEXICO
COUNTY OF GRANT
SWORN BEFORE ME THIS 18 DAY OF May 1965
NOTARY PUBLIC
MY COMMISSION EXPIRES Dec 9 1969

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P M.

Betty J. Turner
Co. Clerk

178

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M & M # 50 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 28th day of April, 19 65, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named;

Said claim is rectangular in form and extends along said vein, lode or deposit ..... feet in a ..... (Not more than 1500) to ..... direction and is ..... (Not more than 600) feet in width, being ..... (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Said claim is located in Section 8, Township 17 South, Range 20 West, N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The N.W. end of this claim abuts the S.E. end of M & M Lodae Claim # 48. This claim then extends S.E. along the East Camp Fault on the east side for a distance of 1500 feet, being 600 feet wide.

The location of this claim and the posting of this notice thereon was done in the presence of

who witnessed the same.

Located and claimed by

Ernest L. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 17 day of May, 1965, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

The above locations are considered approximate.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires: 7/26/68

STATE OF NEW MEXICO,
County of } ss.

I hereby certify that this instrument was filed for record on the ..... day of ....., 19....., at ..... o'clock ..... M., and has been duly recorded in Book ....., page ....., of the Records in my office.

County Clerk

By ..... Deputy

STATE OF NEW MEXICO,
COUNTY OF SANDOVAL, } ss

I hereby certify that the within instrument of writing was filed for record in my office on the 18 day of May A.D. 1965 at 2:30 o'clock P.M. minutes 6 A., and recorded in Book 54 Page 178

Betty J. Turner
County Clerk

By Edith Stanley
Deputy

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P.M.

Form 331 Rev. Betty J. Turner Co. Clerk

Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

179 Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of Grant, Steeple Rock Mining District. } The M&M # 51 Mining Claim.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 28th day of April, A. D., 1965, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M # 51 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section 8, Township 17 South, Range 20 West NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

The N.W. end of this claim abuts the S.E. end of M&M Lode Claim # 49. This claim then extends S.E. along the West side of the East Camp Fault for a distince of 1500 feet, being 600 feet wide.

The above locations are considered approximate.

Dated and posted on the grounds this 28th day of April, 1965.

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____

_____

_____

_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 1965 at 2:30 o'clock P. M., and was duly recorded in Book 54 of Mining Claim Records, page 179, on this _____ day of _____ A. D., 19____.

Betty J. Turner
County Clerk

By Edith Hartley
Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF CHAVES
SWORN BEFORE ME THIS 17 DAY OF May 1965
Mathea R. Ball
NOTARY PUBLIC
MY COMMISSION EXPIRES 7-26-68

THE VALLIANT CO. ALBUQUERQUE, N. M.

106-S Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P. M.

Betty J. Turner
Co. Clerk

180

Notice of Lode Mining Location

STATE OF NEW MEXICO,
County of Grant

M&M # 52 Mining Claim

Steeple Rock Mining District

The undersigned, of lawful age, (who, for the purpose of simplifying this form, whether one or more persons, is, or are, referred to herein as one masculine person, and by the singular masculine pronoun, but who, indeed, is, or are, the person or persons whose name or names is, or are, signed hereto as Locator or Locators and Claimant or Claimants) a Citizen of the United States, or who has declared his intention to become such, hereby declares and gives notice that he has discovered a vein, lode or deposit of mineral bearing rock in place within the limits of the Claim hereinafter described, and, under, and by virtue of the Mining Laws of the United States, and of the State of New Mexico, does hereby on this 28th day of April, 1965, claim and locate the above named Mining Claim upon said vein, lode, or deposit with all its dips, spurs and angles, it being within the Mining District, County and State hereinbefore named; Grant, Steeple Rock, New Mexico.

Said claim is rectangular in form and extends along said vein, lode or deposit 1500 (Not more than 1500) feet in a N.E. to S.E. direction and is 600 (Not more than 600) feet in width, being 300 (Not more than 300) feet on each side of the middle of the vein at the surface thereof, and, so that the boundaries thereof can be readily traced, it is distinctly marked on the ground by four substantial Rock Monuments one at each corner of such claim, and a copy of this notice is posted thereon.

Sections 8, 9, & 16

Said claim is located in Section 8, Township 17 S, Range 20 W., N. M. P. M., and the area thereof is more particularly described as follows, to-wit:

The N.W. end of this claim abuts the S.E. end of M&M Lode Claim # 50. This claim then extends S.E. along the East side of the East Camp Fault for a distince of 1500 feet, being 600 feet wide.

The above locations are considered approximate.

The location of this claim and the posting of this notice thereon was done in the presence of

This claim was posted by Ernest E. Murphy alone with the knowledge of Emmet J. Thorpe.

who witnessed the same.

Located and claimed by

M&M Enterprise, Inc.

Emmet J. Thorpe, M.D.

Ernest E. Murphy

STATE OF NEW MEXICO,
County of Chaves } ss.

On this 17 day of May, 1965, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that executed the same as free act and deed.

WITNESS my hand and seal the day and year last above written.

Dorothea A. Bell
Notary Public

My commission expires: 7/26/65

STATE OF NEW MEXICO,
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, 1965, at 2:30 o'clock P. M., and has been duly recorded in Book 54, page 180, of the Records in my office.

Betty J. Turner
County Clerk

By Edith Stanley
Deputy

Filed for record on 18 day of May, A.D., 1965 at 2:30 o'clock P.M.

Form 331 Rev. Betty J. Turner, County Clerk — Printed and For Sale by Hall-Poorbaugh Press, Roswell, N. M.

181 Notice of Lode Mining Location

STATE OF NEW MEXICO,

County of Grant, Steeple Rock Mining District. } The M&M # 53 Mining Claim.

The undersigned, who are citizens of the United States (or ha declared intention to become such) and of lawful age, hereby declare and give notice to all persons concerned that ha discovered within the limits of the claim hereby located, a vein, lode or deposit of mineral bearing rock in place, and that on this 28th day of April, A. D., 19 65, do hereby give notice of intention to locate and claim under and by virtue of Chapter 2, Title 30 of the United States Code, and all laws amendatory thereof and supplementary thereto, including laws pertaining to "fissionable source material," and laws of the State of New Mexico, a mining claim upon the said vein, lode or deposit, together with all its dips, faults, variations, spurs and angles, and all veins, ledges or deposits within the boundaries of this claim, to be named the M & M # 53 Mining Claim.

Said Claim so located is rectangular in form, being 1500 feet in length along said vein, lode or deposit, and 600 feet along the surface in width; said Claim measures lengthwise of the claim feet in a ly direction and feet in a ly direction from the Point of Discovery, at which this Notice is posted, and in width measures 300 feet on each side of said Point of Discovery; the general course of the lode, vein or deposit is from the to the.

The undersigned ha distinctly marked the said location on the ground, so that its surface boundaries may be readily traced, by four substantial posts or monuments, one at each corner of the claim, each so marked or inscribed as to indicate the corner intended, and ha posted at a conspicuous place on such location the within written Notice.

Said Claim is situated in the above mentioned Mining District, County and State, and is more particularly described as follows: Commencing at the Corner thereof, whence the Corner of Section, Twp., Range, bears degrees, minutes a distince of feet, thence 600 feet; thence 1500 feet; thence 600 feet; thence 1500 feet to the point and place of beginning;

Said Claim being located in the of Section and the of Section Sections 8, 16, & 17, Township 17 South, Range 20 WTst NMPM.

Said Claim is further more particularly described by reference to the following natural object or permanent monument as will identify it, as follows:

The N.W. end of this claim abuts the S.E. end of M&M Lode Claim # 51. This claim then extends S.E. along the West side of the East Camp Falut for a distince of 1500 feet, being 600 feet wide.

The above locations are considered approximate.

Dated and posted on the grounds this 28th day of April, 19 65.

Ernest E. Murphy

Locator(s) and Claimant(s)

(NOTE. Complete and sign two copies. Post one at the point of discovery. Record the other in the office of the above County Clerk within Ninety Days.)

Return to _____

Notice of Lode Mining Location

STATE OF NEW MEXICO
County of _____ } ss.
_____ Mining District

Name of Claim:

_____

Name of Locators:

_____

_____

_____

_____

Date of Location _____, 19____

STATE OF NEW MEXICO
County of Grant } ss.

I hereby certify that this instrument was filed for record on the 18 day of May, A. D., 19 65 at 2:30 o'clock P M., and was duly recorded in Book 54 of Mining Claim Records, page 181, on this _____ day of _____ A. D., 19____.

Betty J. Turner, County Clerk

By Edith Stanley, Deputy.

Rec. No. _____ Fee $ _____

Printed and for sale by Hall-Poorbaugh Press, Roswell, N. M.
Form 331 Rev.

STATE OF NEW MEXICO, COUNTY OF SHAVES
SWORN BEFORE ME THIS 17 DAY OF May 1965
Dorothea R. Bell NOTARY PUBLIC
MY COMMISSION EXPIRES 7-26-69

Corrected copy of same document (Discovery Hole Marker Notice & Drill Hole Affidavit) posted 29 day of June A.D., 1965 at 4:00 o'clock, 35 minutes P.M., and recorded in Book 152, Proof of Labor, Page 193, and pertaining to M&M #1 through M&M # 53 Lode Claims.

Filed for record on 12 day of July, A.D., 1965 at 4:26 o'clock P.M.
Betty J. Turner
Co. Clerk

DISCOVERY HOLE MARKER NOTICE
AND
DRILL HOLE AFFIDAVIT

NAME OF CLAIM M&M # 1 through M&M # 53 Lode Claims

CLAIM OWNER M&M ENTERPRISES

DEPTH OF HOLE 10 feet

DATE HOLE DRILLED March 10 through June 8, 1965

STATE OF NEW MEXICO)
:SS
County of Grant)

Ernest E. Murphy, being first duly sworn, upon his oath deposes and says:

1. That he is the agent for and representative of, M&M Enterprises, locator of the M&M # 1 through M&M # 53 lode mining claim situate in the Steeple Rock Mining District Grant County, New Mexico, the original location notice whereof is of record in the Office of the County Clerk of said County, in Book ____ of Mining Location Records at Page _____.

2. That said locations were made in the months of Dec., March, and April, 1964 and 1965.

3. Pursuant to the provisions of Section 63-2-3.1 of the New Mexico Statutes 1953 Annotated, as amended, the locator of said claim drilled a drill hole over 1-1/2 inches in diameter in lieu of a discovery shaft on the 10th March through June 8, 1965. Said holes are situated within the claims at a point as filed and recorded the 9th and 10th June, 1965 on papers entitled "Discovery Work & Proof of Labor on Mining Claim", recorded in Book No. 152, Pages 88 through 151.

The nature of the mineral discovered is Silver, Gold, and Copper.

4. Said hole is marked by a substantial post 30 inches in height above the ground and placed within 5 feet of the hole, and is inscribed with the Notice which procedes this Affidavit.

5. See amendment of the above discovery work as filed for the record on 22nd day of June AD, 1965 at 1:15 o'clock P.M., and recorded in Book 152, Miscellaneous, Page 185.

Ernest E. Murphy

Subscribed and sworn to before me this 8th day of July, 1965
My Commission expires: 10-2-66

Notary Public

STATE OF NEW MEXICO,
COUNTY OF GRANT, } ss

I hereby certify that the within instrument of writing was filed for record in my office on the 12 day of July A.D., 19 65 at 4 o'clock 20 minutes P M., and recorded in Book 54 Page 204

Dorothy J. Burns
County Clerk

By E. Canuto
Deputy

M.
D.R. Sharpe
204 W. 4th St.
Roswell, N.M.

APPLICATION NO. 10,822 ORIGINAL LEASE NO. 70- 0132

GENERAL MINING LEASE

RECEIVED MAR 26 3 00 PM STATE LAND OFFICE SANTA FE, N.M.

THIS AGREEMENT, dated this 12th day of March 19 65, made and entered into between the STATE OF NEW MEXICO, acting by and through the undersigned, its COMMISSIONER OF PUBLIC LANDS, hereinafter called the "lessor", and

M. & M. Enterprises, 204 West Fourth Street, Roswell, New Mexico
hereinafter called the "lessee"

WITNESSETH:

THAT WHEREAS, the said lessee has filed in the State Land Office an application for a lease for the purpose of prospecting, mining, development, and production of all minerals except potassium, sodium, phosphorus, and other minerals of similar occurrence, and their salts and compounds, oil and gas, salt, coal, shale, clay, gravel, building stone and building materials upon the lands hereinafter described, and has tendered the sum of $ ~~10.00~~ Nil which sum includes first annual rental thereof, together with the sum of $ 5.00 application fee, and the sum of $ representing bid bonus, evidenced by official receipt No. H-14587

NOW, THEREFORE, in consideration of the above tender, receipt of which is acknowledged, and the covenants herein, the lessor does hereby grant, demise, lease and let to the lessee, exclusively, for the sole and only purpose of prospecting for, exploration, mining, development, production, and removal of the aforesaid minerals, in, upon, from and under the following described lands situated in the State of New Mexico:

INSTITUTION	SECTION	TOWNSHIP	RANGE	SUBDIVISION	ACRES
Common Schools	20	17S	20W	SE¼SE¼,	40.00

together with the right to use so much of the surface as may be reasonably necessary to prospect for, mine and remove the minerals therefrom.

TO HAVE AND TO HOLD the said lands and privileges granted hereunder for a term of three (3) years and so long thereafter as the said minerals or any of them in paying quantities shall be produced or mined from the leased lands, subject to all the terms and conditions as hereinafter set forth.

IN CONSIDERATION OF THE PREMISES, THE PARTIES COVENANT AND AGREE AS FOLLOWS:

1. Lessee shall pay to the lessor as royalty two per cent (2%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all ores and materials mined and extracted from the land and two per cent (2%) of any and all premiums and bonuses received by lessee in connection with the discovery, production or marketing of such ores or materials. Provided, that on deposits of rare earths, precious stones or semi-precious stones, and all uranium, thorium, plutonium, or any other material which may have been or may hereafter be determined by the Atomic Energy Commission of the United States to be peculiarly essential to the production of fissionable materials, lessee shall pay a royalty of five per cent (5%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all such ores or materials mined and extracted from the land, and five per cent (5%) of any and all premiums and bonuses received by the lessee in connection with the discovery, production or marketing of such ores or materials.

2. Lessee agrees to make full settlement for all royalties on the twentieth (20th) day of the month following the month of sale or receipt of premiums or bonus.

3. The consideration hereinbefore specified is a good and valid consideration, subject in all respects to support each and every covenant herein, including specifically the option granted the lessee to prevent the termination of this lease from year to year by payment or tender of further rentals as hereinafter provided.

4. An annual rental at the rate of five cents (5¢) per acre shall become due and payable to the lessor by the lessee, or by any transferee or assignee of the same or any part hereof where such transferee or assignee has been recognized, and such transfer or assignment approved by the lessor as hereinafter provided, upon each acre of the land described and then claimed by such lessee, transferee or assignee hereunder, and the same shall be due and payable in advance to the lessor on the successive anniversary dates of this lease, but the annual rental on any lease or assignment shall in no event be less than ten dollars ($ 10.00).

5. If lessee shall fail to discover and produce minerals in paying quantities during the primary term of this lease, the lessee may continue this lease in full force and effect for an additional or secondary term of two (2) years, and as long thereafter as any mineral or minerals in paying quantities be produced from the land, by paying each year in advance ten times the rental provided in the primary term.

6. With the consent of the lessor and upon payment of all rentals due and a fee of ten dollars ($ 10.00), the lessee may surrender or relinquish this lease, in whole or in part, to the lessor; provided, however, that no relinquishment of any undivided interest herein nor less than a legal subdivision shall be approved or recognized by the lessor; provided, further, that this surrender clause shall become absolutely inoperative immediately and concurrently with the filing of any suit in any court of law or equity by the lessee, lessor, or any assignee, to enforce this lease or any of its terms, express or implied.

7. The lessee, with the consent of the lessor, may assign this lease, in whole or in part; provided, however, that no assignment or any undivided interest in the lease, or any part thereof, nor any assignment of less than a legal subdivision, shall be recognized or approved by the lessor Upon approval of an assignment in writing by the lessor, the assignor shall stand relieved from all obligations to the lessor with respect to the lands embraced in the assignment, and the lessor shall likewise be relieved from all obligations to the assignor as to such tracts, and the assignee shall succeed to all of the rights and privileges of the assignor with respect to such tracts and shall be held to have assumed all of the duties and obligations of the assignor to the lessor as to such tracts.

8. After production is once had, lessee shall use reasonable diligence in prospecting for and developing all commercial deposits of mineral or minerals upon the land, and lessee shall market all mineral or minerals so produced within a reasonable time after production is had.

9. The lessor may cancel this lease for nonpayment of rentals, nonpayment of royalties, or violation of any of the terms, covenants or conditions thereof: provided, however, that before any such cancellation shall be made, the lessor must mail to the lessee or assignee, by registered mail, addressed to the post office address of such lessee or assignee, shown by the records, a thirty-day notice of intention to cancel said lease, specifying the default for which the lease is subject to cancellation. No proof of receipt of notice shall be necessary and thirty days after such mailing, the lessor may enter cancellation unless the lessee shall have sooner remedied the default.

10. The lessor shall have the right to inspect all records, books or accounts pertaining to the mining, extraction, transportation and returns of ores taken from the lands, and, at the request of the lessor, lessee shall furnish such reports, samples, logs, assays or cores within reasonable bounds, as the lessor may deem to be necessary to the proper administration of the lands.

11. Lessee may make or place such improvements and equipment upon the land as may reasonably necessary to explore for, mine and remove the minerals, and upon termination of this lease for any reason, lessee may remove such improvements and equipment as can be removed without material injury to the premises; provided, however, that all rentals and royalties have been paid and that such removal is accomplished within two years of the termination date or before such earlier date as the lessor may set upon thirty days' written notice to the lessee. All improvements and equipment remaining upon the premises after the removal date, as set in accordance with this paragraph, shall be forfeited to the lessor without compensation.

12. Before lessee shall commence development or operations upon the lands embraced herein, he shall execute and file with the lessor a good and sufficient bond in an amount of five thousand dollars ($ 5,000.00) in favor of the State of New Mexico, for the benefit of the lessor, its surface lessee, patentee or contract purchaser, to secure the payment of such damage to the livestock, water, crops, or other tangible improvements on the lands as may be suffered by reason or development, use and occupation of the lands by the said lessee, and the lessee shall be liable and agree to pay for all such damages to the livestock, growing crops, or other improvements upon the land. In addition, lessor may, upon notice given to lessee, require lessee to furnish a bond in a reasonable amount to guarantee payment of royalties to become due under the lease.

13. This lease is made subject to all the provisions and requirements applicable thereto which are to be found in various acts of the legislature of New Mexico, the same as though they were fully set forth herein, and said laws, so far as applicable to this lease, are to be taken as a part hereof

14. All the obligations, covenants, agreements, rights and privileges of this lease shall extend to and be binding and inure to the benefit of the lawful and recognized assigns or successors in interest of the parties hereto.

15. Nothing herein contained shall be held or construed to prevent the lessor from leasing or letting the said lands or any portion thereof for grazing or agricultural purposes, or for leasing them for the exploration, development and production of products from deposits other than the item, including oil and gas, potash, coal, salt, or for leasing them for the operation of a business, or for selling them under a deferred purchase contract with minerals reserved, or for patenting them with minerals reserved, or for the issuance of rights of way, and easements over, upon or across them for public highways, railroads, tramways, telegraph, telephone and power lines, irrigation works, mining, logging and for any of the purposes mentioned hereinabove in this paragraph, and for other purposes.

16. The lease herein is issued subject to all valid existing rights and with special but not exclusive reference to the present existence of the matters mentioned in the paragraph next above.

17. All mining operations hereunder shall conform with good mining practices, shall be carried on in a workmanlike manner, and shall conform with all of the laws of the State of New Mexico and all rules and regulations of the State Land Office as may be issued from time to time under authority of law for the protection of valuable deposits of other minerals in or upon the lands but not covered by this lease.

18. Payment of all sums due the lessor by the lessee under the terms of this lease, including but not limited to payment for rentals, royalties, bonuses, and fees shall be made at the office of the Commissioner of Public Lands, State Capitol, Santa Fe, New Mexico, and, after notice given, lessor may require such payments to be made in cash or certified exchange.

IN WITNESS WHEREOF, the State of New Mexico has hereunto signed and caused its name to be signed by its Commissioner of Public Lands thereunto duly authorized, with the seal of his office affixed, and the lessee has signed this agreement to be effective the day and year above written.

STATE OF NEW MEXICO

By Guy B. Sharp
COMMISSIONER OF PUBLIC LANDS
LESSOR.

M & M Enterprises

Ernest E. Murphy
Ernest E. Murphy (SEAL)
LESSEE

Distributed this the _____ day of _____ 19____.

(PERSONAL ACKNOWLEDGMENT)

STATE OF New Mexico)
COUNTY OF Chaves) ss:

The foregoing instrument was acknowledged before me on this 25 day of March 19 65 by _____.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 7-26-68

(ACKNOWLEDGMENT BY ATTORNEY)

STATE OF _____)
COUNTY OF _____) ss:

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ____ by _____ as attorney-in-fact on behalf of _____

_____
Notary Public

My commission expires:

(ACKNOWLEDGMENT BY CORPORATION)

STATE OF _____)
COUNTY OF _____) ss:

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ____ by _____ (name), _____ (title) of _____ (corporation), a _____ (state of county) corporation, on behalf of said corporation.

_____
Notary Public

My commission expires:

APPLICATION NO. 10,823 ORIGINAL LEASE NO. 70- 0133

GENERAL MINING LEASE

RECEIVED MAR 26 8 47 AM '65 STATE LAND OFFICE SANTA FE, N.M.

THIS AGREEMENT, dated this 12th day of March, 1965, made and entered into between the STATE OF NEW MEXICO, acting by and through the undersigned, its COMMISSIONER OF PUBLIC LANDS, hereinafter called the "lessor", and

M. & M. Enterprises, 204 West Fourth Street, Roswell, New Mexico
hereinafter called the "lessee"

WITNESSETH:

THAT WHEREAS, the said lessee has filed in the State Land Office an application for a lease for the purpose of prospecting, mining, developement, and production of all minerals except potassium, sodium, phosphorus, and other minerals of similar occurrence, and their salts and compounds, oil and gas, salt, coal, shale, clay, gravel, building stone and building materials upon the lands hereinafter described, and has tendered the sum of $ ~~10.00~~ N41 which sum includes first annual rental thereof, together with the sum of $ 5.00 application fee, and the sum of $ representing bid bonus, evidenced by official receipt No. H-14587

NOW, THEREFORE, in consideration of the above tender, receipt of which is acknowledged, and the covenants herein, the lessor does hereby grant, demise, lease and let to the lessee, exclusively, for the sole and only purpose of prospecting for, exploration, mining, development, production, and removal of the aforesaid minerals, in, upon, from and under the following described lands situated in the State of New Mexico:

INSTITUTION	SECTION	TOWNSHIP	RANGE	SUBDIVISION	ACRES
Common Schools	22	17S	20W	NE¼,	160.00
Common Schools	23	17S	20W	NW¼NW¼,	40.00
					200.00

together with the right to use so much of the surface as may be reasonably necessary to prospect for, mine and remove the minerals therefrom.

TO HAVE AND TO HOLD the said lands and privileges granted hereunder for a term of three (3) years and so long thereafter as the said minerals or any of them in paying quantities shall be produced or mined from the leased lands, subject to all the terms and conditions as hereinafter set forth.

IN CONSIDERATION OF THE PREMISES, THE PARTIES COVENANT AND AGREE AS FOLLOWS:

1. Lessee shall pay to the lessor as royalty two per cent (2%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all ores and materials mined and extracted from the land and two per cent (2%) of any and all premiums and bonuses received by lessee in connection with the discovery, production or marketing of such ores or materials. Provided, that on deposits of rare earths, precious stones or semi-precious stones, and all uranium, thorium, plutonium, or any other material which may have been or may hereafter be determined by the Atomic Energy Commission of the United States to be peculiarly essential to the production of fissionable materials, lessee shall pay a royalty of five per cent (5%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all such ores or materials mined and extracted from the land, and five per cent (5%) of any and all premiums and bonuses received by the lessee in connection with the discovery, production or marketing of such ores or materials.

2. Lessee agrees to make full settlement for all royalties on the twentieth (20th) day of the month following the month of sale or receipt of premiums or bonus.

3. The consideration hereinbefore specified is a good and valid consideration, subject in all respects to support each and every covenant herein, including specifically the option granted the lessee to prevent the termination of this lease from year to year by payment or tender of further rentals as hereinafter provided.

4. An annual rental at the rate of five cents (5¢) per acre shall become due and payable to the lessor by the lessee, or by any transferee or assignee of the same or any part hereof where such transferee or assignee has been recognized, and such transfer or assignment approved by the lessor as hereinafter provided, upon each acre of the land described and then claimed by such lessee, transferee or assignee hereunder, and the same shall be due and payable in advance to the lessor on the successive anniversary dates of this lease, but the annual rental on any lease or assignment shall in no event be less than ten dollars ($ 10.00).

5. If lessee shall fail to discover and produce minerals in paying quantities during the primary term of this lease, the lessee may continue this lease in full force and effect for an additional or secondary term of two (2) years, and as long thereafter as any mineral or minerals in paying quantities be produced from the land, by paying each year in advance ten times the rental provided in the primary term.

6. With the consent of the lessor and upon payment of all rentals due and a fee of ten dollars ($ 10.00), the lessee may surrender or relinquish this lease, in whole or in part, to the lessor; provided, however, that no relinquishment of any undivided interest herein nor less than a legal subdivision shall be approved or recognized by the lessor; provided, further, that this surrender clause shall become absolutely inoperative immediately and concurrently with the filing of any suit in any court of law or equity by the lessee, lessor, or any assignee, to enforce this lease or any of its terms, express or implied.

7. The lessee, with the consent of the lessor, may assign this lease, in whole or in part; provided, however, that no assignment or any undivided interest in the lease, or any part thereof, nor any assignment of less than a legal subdivision, shall be recognized or approved by the lessor Upon approval of an assignment in writing by the lessor, the assignor shall stand relieved from all obligations to the lessor with respect to the lands embraced in the assignment, and the lessor shall likewise be relieved from all obligations to the assignor as to such tracts, and the assignee shall succeed to all of the rights and privileges of the assignor with respect to such tracts and shall be held to have assumed all of the duties and obligations of the assignor to the lessor as to such tracts.

8. After production is once had, lessee shall use reasonable diligence in prospecting for and developing all commercial deposits of mineral or minerals upon the land, and lessee shall market all mineral or minerals so produced within a reasonable time after production is had.

9. The lessor may cancel this lease for nonpayment of rentals, nonpayment of royalties, or violation of any of the terms, covenants or conditions thereof: provided, however, that before any such cancellation shall be made, the lessor must mail to the lessee or assignee, by registered mail, addressed to the post office address of such lessee or assignee, shown by the records, a thirty-day notice of intention to cancel said lease, specifying the default for which the lease is subject to cancellation. No proof of receipt of notice shall be necessary and thirty days after such mailing, the lessor may enter cancellation unless the lessee shall have sooner remedied the default.

10. The lessor shall have the right to inspect all records, books or accounts pertaining to the mining, extraction, transportation and returns of ores taken from the lands, and, at the request of the lessor, lessee shall furnish such reports, samples, logs, assays or cores within reasonable bounds, as the lessor may deem to be necessary to the proper administration of the lands.

11. Lessee may make or place such improvements and equipment upon the land as may reasonably necessary to explore for, mine and remove the minerals, and upon termination of this lease for any reason, lessee may remove such improvements and equipment as can be removed without material injury to the premises; provided, however, that all rentals and royalties have been paid and that such removal is accomplished within two years of the termination date or before such earlier date as the lessor may set upon thirty days' written notice to the lessee. All improvements and equipment remaining upon the premises after the removal date, as set in accordance with this paragraph, shall be forfeited to the lessor without compensation.

12. Before lessee shall commence developement or operations upon the lands embraced herein, he shall execute and file with the lessor a good and sufficient bond in an amount of five thousand dollars ($ 5,000.00) in favor of the State of New Mexico, for the benefit of the lessor, its surface lessee, patentee or contract purchaser, to secure the payment of such damage to the livestock, water, crops, or other tangible improvements on the lands as may be suffered by reason or development, use and occupation of the lands by the said lessee, and the lessee shall be liable and agree to pay for all such damages to the livestock, growing crops, or other improvements upon the land. In addition, lessor may, upon notice given to lessee, require lessee to furnish a bond in a reasonable amount to guarantee payment of royalties to become due under the lease.

13. This lease is made subject to all the provisions and requirements applicable thereto which are to be found in various acts of the legislature of New Mexico, the same as though they were fully set forth herein, and said laws, so far as applicable to this lease, are to be taken as a part hereof

14. All the obligations, covenants, agreements, rights and privileges of this lease shall extend to and be binding and inure to the benefit of the lawful and recognized assigns or successors in interest of the parties hereto.

15. Nothing herein contained shall be held or construed to prevent the lessor from leasing or letting the said lands or any portion thereof for grazing or agricultural purposes, or for leasing them for the exploration, development and production of products from deposits other than the item, including oil and gas, potash, coal, salt, or for leasing them for the operation of a business, or for selling them under a deferred purchase contract with minerals reserved, or for patenting them with minerals reserved, or for the issuance of rights of way, and easements over, upon or across them for public highways, railroads, tramways, telegraph, telephone and power lines, irrigation works, mining, logging and for any of the purposes mentioned hereinabove in this paragraph, and for other purposes.

16. The lease herein is issued subject to all valid existing rights and with special but not exclusive reference to the present existence of the matters mentioned in the paragraph next above.

17. All mining operations hereunder shall conform with good mining practices, shall be carried on in a workmanlike manner, and shall conform with all of the laws of the State of New Mexico and all rules and regulations of the State Land Office as may be issued from time to time under authority of law for the protection of valuable deposits of other minerals in or upon the lands but not covered by this lease.

18. Payment of all sums due the lessor by the lessee under the terms of this lease, including but not limited to payment for rentals, royalties, bonuses, and fees shall be made at the office of the Commissioner of Public Lands, State Capitol, Santa Fe, New Mexico, and, after notice given, lessor may require such payments to be made in cash or certified exchange.

IN WITNESS WHEREOF, the State of New Mexico has hereunto signed and caused its name to be signed by its Commissioner of Public Lands thereunto duly authorized, with the seal of his office affixed, and the lessee has signed this agreement to be effective the day and year above written.

STATE OF NEW MEXICO

By Guy K. Gray
COMMISSIONER OF PUBLIC LANDS
LESSOR

M & M Enterprises

Ernest E. Murphy
LESSEE (SEAL)

Distributed this the _____ day of _____ 19_____.

(PERSONAL ACKNOWLEDGMENT)

STATE OF New Mexico)
COUNTY OF Chaves) ss:

The foregoing instrument was acknowledged before me on this 25 day of March 1965 by _____.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 7-26-68

(ACKNOWLEDGMENT BY ATTORNEY)

STATE OF _____)
COUNTY OF _____) ss:

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ____ by _____ as attorney-in-fact on behalf of _____.

_____
Notary Public

My commission expires:

(ACKNOWLEDGMENT BY CORPORATION)

STATE OF _____)
COUNTY OF _____) ss:

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ____ by _____ (name), _____ (title) of _____ (corporation), a _____ (state of county) corporation, on behalf of said corporation.

_____
Notary Public

My commission expires:

APPLICATION NO. 10,824 ORIGINAL LEASE NO. 79- 0134

GENERAL MINING LEASE

RECEIVED MAR 26 4 47 PM '65 STATE LAND OFFICE SANTA FE, N.M.

THIS AGREEMENT, dated this 12th day of March 1965, made and entered into between the STATE OF NEW MEXICO, acting by and through the undersigned, its COMMISSIONER OF PUBLIC LANDS, hereinafter called the "lessor", and

M & M Enterprises, 204 West Fourth Street, Roswell, New Mexico
hereinafter called the "lessee"

WITNESSETH:

THAT WHEREAS, the said lessee has filed in the State Land Office an application for a lease for the purpose of prospecting, mining, developement, and production of all minerals except potassium, sodium, phosphorus, and other minerals of similar occurrence, and their salts and compounds, oil and gas, salt, coal, shale, clay, gravel, building stone and building materials upon the lands hereinafter described, and has tendered the sum of $ 24.00 which sum includes first annual rental thereof, together with the sum of $ 5.00 application fee, and the sum of $ NIL representing bid bonus, evidenced by official receipt No. H-14587

NOW, THEREFORE, in consideration of the above tender, receipt of which is acknowledged, and the covenants herein, the lessor does hereby grant, demise, lease and let to the lessee, exclusively, for the sole and only purpose of prospecting for, exploration, mining, development, production, and removal of the aforesaid minerals, in, upon, from and under the following described lands situated in the State of New Mexico:

INSTITUTION	SECTION	TOWNSHIP	RANGE	SUBDIVISION	ACRES
Common Schools	23	17S	20W	E½,E½W½,	480.00

together with the right to use so much of the surface as may be reasonably necessary to prospect for, mine and remove the minerals therefrom.

TO HAVE AND TO HOLD the said lands and privileges granted hereunder for a term of three (3) years and so long thereafter as the said minerals or any of them in paying quantities shall be produced or mined from the leased lands, subject to all the terms and conditions as hereinafter set forth.

IN CONSIDERATION OF THE PREMISES, THE PARTIES COVENANT AND AGREE AS FOLLOWS:

1. Lessee shall pay to the lessor as royalty two per cent (2%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all ores and materials mined and extracted from the land and two per cent (2%) of any and all premiums and bonuses received by lessee in connection with the discovery, production or marketing of such ores or materials. Provided, that on deposits of rare earths, precious stones or semi-precious stones, and all uranium, thorium, plutonium, or any other material which may have been or may hereafter be determined by the Atomic Energy Commission of the United States to be peculiarly essential to the production of fissionable materials, lessee shall pay a royalty of five per cent (5%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all such ores or materials mined and extracted from the land, and five per cent (5%) of any and all premiums and bonuses received by the lessee in connection with the discovery, production or marketing of such ores or materials.

2. Lessee agrees to make full settlement for all royalties on the twentieth (20th) day of the month following the month of sale or receipt of premiums or bonus.

3. The consideration hereinbefore specified is a good and valid consideration, subject in all respects to support each and every covenant herein, including specifically the option granted the lessee to prevent the termination of this lease from year to year by payment or tender of further rentals as hereinafter provided.

4. An annual rental at the rate of five cents (5¢) per acre shall become due and payable to the lessor by the lessee, or by any transferee or assignee of the same or any part hereof where such transferee or assignee has been recognized, and such transfer or assignment approved by the lessor as hereinafter provided, upon each acre of the land described and then claimed by such lessee, transferee or assignee hereunder, and the same shall be due and payable in advance to the lessor on the successive anniversary dates of this lease, but the annual rental on any lease or assignment shall in no event be less than ten dollars ($ 10.00).

5. If lessee shall fail to discover and produce minerals in paying quantities during the primary term of this lease, the lessee may continue this lease in full force and effect for an additional or secondary term of two (2) years, and as long thereafter as any mineral or minerals in paying quantities be produced from the land, by paying each year in advance ten times the rental provided in the primary term.

6. With the consent of the lessor and upon payment of all rentals due and a fee of ten dollars ($ 10.00), the lessee may surrender or relinquish this lease, in whole or in part, to the lessor; provided, however, that no relinquishment of any undivided interest herein nor less than a legal subdivision shall be approved or recognized by the lessor; provided, further, that this surrender clause shall become absolutely inoperative immediately and concurrently with the filing of any suit in any court of law or equity by the lessee, lessor, or any assignee, to enforce this lease or any of its terms, express or implied.

7. The lessee, with the consent of the lessor, may assign this lease, in whole or in part; provided, however, that no assignment or any undivided interest in the lease, or any part thereof, nor any assignment of less than a legal subdivision, shall be recognized or approved by the lessor Upon approval of an assignment in writing by the lessor, the assignor shall stand relieved from all obligations to the lessor with respect to the lands embraced in the assignment, and the lessor shall likewise be relieved from all obligations to the assignor as to such tracts, and the assignee shall succeed to all of the rights and privileges of the assignor with respect to such tracts and shall be held to have assumed all of the duties and obligations of the assignor to the lessor as to such tracts.

8. After production is once had, lessee shall use reasonable diligence in prospecting for and developing all commercial deposits of mineral or minerals upon the land, and lessee shall market all mineral or minerals so produced within a reasonable time after production is had.

9. The lessor may cancel this lease for nonpayment of rentals, nonpayment of royalties, or violation of any of the terms, covenants or conditions thereof: provided, however, that before any such cancellation shall be made, the lessor must mail to the lessee or assignee, by registered mail, addressed to the post office address of such lessee or assignee, shown by the records, a thirty-day notice of intention to cancel said lease, specifying the default for which the lease is subject to cancellation. No proof of receipt of notice shall be necessary and thirty days after such mailing, the lessor may enter cancellation unless the lessee shall have sooner remedied the default.

10. The lessor shall have the right to inspect all records, books or accounts pertaining to the mining, extraction, transportation and returns of ores taken from the lands, and, at the request of the lessor, lessee shall furnish such reports, samples, logs, assays or cores within reasonable bounds, as the lessor may deem to be necessary to the proper administration of the lands.

11. Lessee may make or place such improvements and equipment upon the land as may reasonably necessary to explore for, mine and remove the minerals, and upon termination of this lease for any reason, lessee may remove such improvements and equipment as can be removed without material injury to the premises; provided, however, that all rentals and royalties have been paid and that such removal is accomplished within two years of the termination date or before such earlier date as the lessor may set upon thirty days' written notice to the lessee. All improvements and equipment remaining upon the premises after the removal date, as set in accordance with this paragraph, shall be forfeited to the lessor without compensation.

12. Before lessee shall commence developement or operations upon the lands embraced herein, he shall execute and file with the lessor a good and sufficient bond in an amount of five thousand dollars ($ 5,000.00) in favor of the State of New Mexico, for the benefit of the lessor, its surface lessee, patentee or contract purchaser, to secure the payment of such damage to the livestock, water, crops, or other tangible improvements on the lands as may be suffered by reason or development, use and occupation of the lands by the said lessee, and the lessee shall be liable and agree to pay for all such damages to the livestock, growing crops, or other improvements upon the land. In addition, lessor may, upon notice given to lessee, require lessee to furnish a bond in a reasonable amount to guarantee payment of royalties to become due under the lease.

13. This lease is made subject to all the provisions and requirements applicable thereto which are to be found in various acts of the legislature of New Mexico, the same as though they were fully set forth herein, and said laws, so far as applicable to this lease, are to be taken as a part hereof

14. All the obligations, covenants, agreements, rights and privileges of this lease shall extend to and be binding and inure to the benefit of the lawful and recognized assigns or successors in interest of the parties hereto.

15. Nothing herein contained shall be held or construed to prevent the lessor from leasing or letting the said lands or any portion thereof for grazing or agricultural purposes, or for leasing them for the exploration, development and production of products from deposits other than the item, including oil and gas, potash, coal, salt, or for leasing them for the operation of a business, or for selling them under a deferred purchase contract with minerals reserved, or for patenting them with minerals reserved, or for the issuance of rights of way, and easements over, upon or across them for public highways, railroads, tramways, telegraph, telephone and power lines, irrigation works, mining, logging and for any of the purposes mentioned hereinabove in this paragraph, and for other purposes.

16. The lease herein is issued subject to all valid existing rights and with special but not exclusive reference to the present existence of the matters mentioned in the paragraph next above.

17. All mining operations hereunder shall conform with good mining practices, shall be carried on in a workmanlike manner, and shall conform with all of the laws of the State of New Mexico and all rules and regulations of the State Land Office as may be issued from time to time under authority of law for the protection of valuable deposits of other minerals in or upon the lands but not covered by this lease.

18. Payment of all sums due the lessor by the lessee under the terms of this lease, including but not limited to payment for rentals, royalties, bonuses, and fees shall be made at the office of the Commissioner of Public Lands, State Capitol, Santa Fe, New Mexico, and, after notice given, lessor may require such payments to be made in cash or certified exchange.

IN WITNESS WHEREOF, the State of New Mexico has hereunto signed and caused its name to be signed by its Commissioner of Public Lands thereunto duly authorized, with the seal of his office affixed, and the lessee has signed this agreement to be effective the day and year above written.

STATE OF NEW MEXICO

By Guy Shipley
COMMISSIONER OF PUBLIC LANDS
LESSOR.

M & M Enterprises

Ernest E. Murphy (SEAL)
LESSEE

Distributed this the _____ day of _____ 19____.

(PERSONAL ACKNOWLEDGMENT)

STATE OF New Mexico)
COUNTY OF Chaves) ss:

The foregoing instrument was acknowledged before me on this 25 day of March 1967 by _____.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 7-26-68

(ACKNOWLEDGMENT BY ATTORNEY)

STATE OF _____)
COUNTY OF _____) ss:

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ____ by _____ as attorney-in-fact on behalf of _____

_____
Notary Public

My commission expires:

(ACKNOWLEDGMENT BY CORPORATION)

STATE OF _____)
COUNTY OF _____) ss:

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ____ by _____ (name), _____ (title) of _____ (corporation), a _____ (state of county) corporation, on behalf of said corporation.

_____
Notary Public

My commission expires:

APPLICATION NO. 10,825 ORIGINAL LEASE NO. 70- 0135

GENERAL MINING LEASE

RECEIVED
MAR 26 8 49 AM '65
STATE LAND OFFICE
SANTA FE, N.M.

THIS AGREEMENT, dated this 12th day of March 19 65, made and entered into between the STATE OF NEW MEXICO, acting by and through the undersigned, its COMMISSIONER OF PUBLIC LANDS, hereinafter called the "lessor", and

M. & M. Enterprises, 204 West Fourth Street, Roswell, New Mexico
hereinafter called the "lessee"

WITNESSETH:

THAT WHEREAS, the said lessee has filed in the State Land Office an application for a lease for the purpose of prospecting, mining, development, and production of all minerals except potassium, sodium, phosphorus, and other minerals of similar occurrence, and their salts and compounds, oil and gas, salt, coal, shale, clay, gravel, building stone and building materials upon the lands hereinafter described, and has tendered the sum of $ 30.00 which sum includes first annual rental thereof, together with the sum of $ 5.00 application fee, and the sum of $ Nil representing bid bonus, evidenced by official receipt No. M-14537

NOW, THEREFORE, in consideration of the above tender, receipt of which is acknowledged, and the covenants herein, the lessor does hereby grant, demise, lease and let to the lessee, exclusively, for the sole and only purpose of prospecting for, exploration, mining, development, production, and removal of the aforesaid minerals, in, upon, from and under the following described lands situated in the State of New Mexico:

INSTITUTION	SECTION	TOWNSHIP	RANGE	SUBDIVISION	ACRES
Common Schools	26	17S	20W	N½,N½S½,SE¼SW¼,S½SE¼,	600.00

together with the right to use so much of the surface as may be reasonably necessary to prospect for, mine and remove the minerals therefrom.

TO HAVE AND TO HOLD the said lands and privileges granted hereunder for a term of three (3) years and so long thereafter as the said minerals or any of them in paying quantities shall be produced or mined from the leased lands, subject to all the terms and conditions as hereinafter set forth.

IN CONSIDERATION OF THE PREMISES, THE PARTIES COVENANT AND AGREE AS FOLLOWS:

1. Lessee shall pay to the lessor as royalty two per cent (2%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all ores and materials mined and extracted from the land and two per cent (2%) of any and all premiums and bonuses received by lessee in connection with the discovery, production or marketing of such ores or materials. Provided, that on deposits of rare earths, precious stones or semi-precious stones, and all uranium, thorium, plutonium, or any other material which may have been or may hereafter be determined by the Atomic Energy Commission of the United States to be peculiarly essential to the production of fissionable materials, lessee shall pay a royalty of five per cent (5%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all such ores or materials mined and extracted from the land, and five per cent (5%) of any and all premiums and bonuses received by the lessee in connection with the discovery, production or marketing of such ores or materials.

2. Lessee agrees to make full settlement for all royalties on the twentieth (20th) day of the month following the month of sale or receipt of premiums or bonus.

3. The consideration hereinbefore specified is a good and valid consideration, subject in all respects to support each and every covenant herein, including specifically the option granted the lessee to prevent the termination of this lease from year to year by payment or tender of further rentals as hereinafter provided.

4. An annual rental at the rate of five cents (5¢) per acre shall become due and payable to the lessor by the lessee, or by any transferee or assignee of the same or any part hereof where such transferee or assignee has been recognized, and such transfer or assignment approved by the lessor as hereinafter provided, upon each acre of the land described and then claimed by such lessee, transferee or assignee hereunder, and the same shall be due and payable in advance to the lessor on the successive anniversary dates of this lease, but the annual rental on any lease or assignment shall in no event be less than ten dollars ($ 10.00).

5. If lessee shall fail to discover and produce minerals in paying quantities during the primary term of this lease, the lessee may continue this lease in full force and effect for an additional or secondary term of two (2) years, and as long thereafter as any mineral or minerals in paying quantities be produced from the land, by paying each year in advance ten times the rental provided in the primary term.

6. With the consent of the lessor and upon payment of all rentals due and a fee of ten dollars ($ 10.00), the lessee may surrender or relinquish this lease, in whole or in part, to the lessor; provided, however, that no relinquishment of any undivided interest herein nor less than a legal subdivision shall be approved or recognized by the lessor; provided, further, that this surrender clause shall become absolutely inoperative immediately and concurrently with the filing of any suit in any court of law or equity by the lessee, lessor, or any assignee, to enforce this lease or any of its terms, express or implied.

7. The lessee, with the consent of the lessor, may assign this lease, in whole or in part; provided, however, that no assignment or any undivided interest in the lease, or any part thereof, nor any assignment of less than a legal subdivision, shall be recognized or approved by the lessor Upon approval of an assignment in writing by the lessor, the assignor shall stand relieved from all obligations to the lessor with respect to the lands embraced in the assignment, and the lessor shall likewise be relieved from all obligations to the assignor as to such tracts, and the assignee shall succeed to all of the rights and privileges of the assignor with respect to such tracts and shall be held to have assumed all of the duties and obligations of the assignor to the lessor as to such tracts.

8. After production is once had, lessee shall use reasonable diligence in prospecting for and developing all commercial deposits of mineral or minerals upon the land, and lessee shall market all mineral or minerals so produced within a reasonable time after production is had.

9. The lessor may cancel this lease for nonpayment of rentals, nonpayment of royalties, or violation of any of the terms, covenants or conditions thereof: provided, however, that before any such cancellation shall be made, the lessor must mail to the lessee or assignee, by registered mail, addressed to the post office address of such lessee or assignee, shown by the records, a thirty-day notice of intention to cancel said lease, specifying the default for which the lease is subject to cancellation. No proof of receipt of notice shall be necessary and thirty days after such mailing, the lessor may enter cancellation unless the lessee shall have sooner remedied the default.

10. The lessor shall have the right to inspect all records, books or accounts pertaining to the mining, extraction, transportation and returns of ores taken from the lands, and, at the request of the lessor, lessee shall furnish such reports, samples, logs, assays or cores within reasonable bounds, as the lessor may deem to be necessary to the proper administration of the lands.

11. Lessee may make or place such improvements and equipment upon the land as may reasonably necessary to explore for, mine and remove the minerals, and upon termination of this lease for any reason, lessee may remove such improvements and equipment as can be removed without material injury to the premises; provided, however, that all rentals and royalties have been paid and that such removal is accomplished within two years of the termination date or before such earlier date as the lessor may set upon thirty days' written notice to the lessee. All improvements and equipment remaining upon the premises after the removal date, as set in accordance with this paragraph, shall be forfeited to the lessor without compensation.

12. Before lessee shall commence development or operations upon the lands embraced herein, he shall execute and file with the lessor a good and sufficient bond in an amount of five thousand dollars ($ 5,000.00) in favor of the State of New Mexico, for the benefit of the lessor, its surface lessee, patentee or contract purchaser, to secure the payment of such damage to the livestock, water, crops, or other tangible improvements on the lands as may be suffered by reason or development, use and occupation of the lands by the said lessee, and the lessee shall be liable and agree to pay for all such damages to the livestock, growing crops, or other improvements upon the land. In addition, lessor may, upon notice given to lessee, require lessee to furnish a bond in a reasonable amount to guarantee payment of royalties to become due under the lease.

13. This lease is made subject to all the provisions and requirements applicable thereto which are to be found in various acts of the legislature of New Mexico, the same as though they were fully set forth herein, and said laws, so far as applicable to this lease, are to be taken as a part hereof

14. All the obligations, covenants, agreements, rights and privileges of this lease shall extend to and be binding and inure to the benefit of the lawful and recognized assigns or successors in interest of the parties hereto.

15. Nothing herein contained shall be held or construed to prevent the lessor from leasing or letting the said lands or any portion thereof for grazing or agricultural purposes, or for leasing them for the exploration, development and production of products from deposits other than the item, including oil and gas, potash, coal, salt, or for leasing them for the operation of a business, or for selling them under a deferred purchase contract with minerals reserved, or for patenting them with minerals reserved, or for the issuance of rights of way, and easements over, upon or across them for public highways, railroads, tramways, telegraph, telephone and power lines, irrigation works, mining, logging and for any of the purposes mentioned hereinabove in this paragraph, and for other purposes.

16. The lease herein is issued subject to all valid existing rights and with special but not exclusive reference to the present existence of the matters mentioned in the paragraph next above.

17. All mining operations hereunder shall conform with good mining practices, shall be carried on in a workmanlike manner, and shall conform with all of the laws of the State of New Mexico and all rules and regulations of the State Land Office as may be issued from time to time under authority of law for the protection of valuable deposits of other minerals in or upon the lands but not covered by this lease.

18. Payment of all sums due the lessor by the lessee under the terms of this lease, including but not limited to payment for rentals, royalties, bonuses, and fees shall be made at the office of the Commissioner of Public Lands, State Capitol, Santa Fe, New Mexico, and, after notice given, lessor may require such payments to be made in cash or certified exchange.

IN WITNESS WHEREOF, the State of New Mexico has hereunto signed and caused its name to be signed by its Commissioner of Public Lands thereunto duly authorized, with the seal of his office affixed, and the lessee has signed this agreement to be effective the day and year above written.

STATE OF NEW MEXICO

By Guy Shump
COMMISSIONER OF PUBLIC LANDS
LESSOR

M & M Enterprises

Ernest E. Murphy (SEAL)
LESSEE

Distributed this the _____ day of _____ 19____.

(PERSONAL ACKNOWLEDGMENT)

STATE OF New Mexico)
COUNTY OF Chaves) ss:

The foregoing instrument was acknowledged before me on this 25 day of March 1965 by _____.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 7-20-68

(ACKNOWLEDGMENT BY ATTORNEY)

STATE OF _____)
COUNTY OF _____) ss:

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ____ by _____ as attorney-in-fact on behalf of _____

_____
Notary Public

My commission expires:

(ACKNOWLEDGMENT BY CORPORATION)

STATE OF _____)
COUNTY OF _____) ss:

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ____ by _____ (name), _____ (title) of _____ (corporation), a _____ (state of county) corporation, on behalf of said corporation.

_____
Notary Public

My commission expires:

APPLICATION NO. 10,826 ORIGINAL LEASE NO. 70- 0136

GENERAL MINING LEASE

RECEIVED MAR 26 8 4 AM '65 STATE LAND OFFICE SANTA FE, N. MEXICO

THIS AGREEMENT, dated this 12th day of March 19 65 made and entered into between the STATE OF NEW MEXICO, acting by and through the undersigned, its COMMISSIONER OF PUBLIC LANDS, hereinafter called the "lessor", and

M. & M. Enterprises, 204 West Fourth Street, Roswell, New Mexico
hereinafter called the "lessee"

WITNESSETH:

THAT WHEREAS, the said lessee has filed in the State Land Office an application for a lease for the purpose of prospecting, mining, developement, and production of all minerals except potassium, sodium, phosphorus, and other minerals of similar occurrence, and their salts and compounds, oil and gas, salt, coal, shale, clay, gravel, building stone and building materials upon the lands hereinafter described, and has tendered the sum of $ 16.00 which sum includes first annual rental thereof, together with the sum of $ 5.00 application fee, and the sum of $ Nil representing bid bonus, evidenced by official receipt No. E-14587

NOW, THEREFORE, in consideration of the above tender, receipt of which is acknowledged, and the covenants herein, the lessor does hereby grant, demise, lease and let to the lessee, exclusively, for the sole and only purpose of prospecting for, exploration, mining, development, production, and removal of the aforesaid minerals, in, upon, from and under the following described lands situated in the State of New Mexico:

INSTITUTION	SECTION	TOWNSHIP	RANGE	SUBDIVISION	ACRES
Common Schools	27	17S	20W	S½,	320.00

together with the right to use so much of the surface as may be reasonably necessary to prospect for, mine and remove the minerals therefrom.

TO HAVE AND TO HOLD the said lands and privileges granted hereunder for a term of three (3) years and so long thereafter as the said minerals or any of them in paying quantities shall be produced or mined from the leased lands, subject to all the terms and conditions as hereinafter set forth.

IN CONSIDERATION OF THE PREMISES, THE PARTIES COVENANT AND AGREE AS FOLLOWS:

1. Lessee shall pay to the lessor as royalty two per cent (2%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all ores and materials mined and extracted from the land and two per cent (2%) of any and all premiums and bonuses received by lessee in connection with the discovery, production or marketing of such ores or materials. Provided, that on deposits of rare earths, precious stones or semi-precious stones, and all uranium, thorium, plutonium, or any other material which may have been or may hereafter be determined by the Atomic Energy Commission of the United States to be peculiarly essential to the production of fissionable materials, lessee shall pay a royalty of five per cent (5%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all such ores or materials mined and extracted from the land, and five per cent (5%) of any and all premiums and bonuses received by the lessee in connection with the discovery, production or marketing of such ores or materials.

2. Lessee agrees to make full settlement for all royalties on the twentieth (20th) day of the month following the month of sale or receipt of premiums or bonus.

3. The consideration hereinbefore specified is a good and valid consideration, subject in all respects to support each and every covenant herein, including specifically the option granted the lessee to prevent the termination of this lease from year to year by payment or tender of further rentals as hereinafter provided.

4. An annual rental at the rate of five cents (5¢) per acre shall become due and payable to the lessor by the lessee, or by any transferee or assignee of the same or any part hereof where such transferee or assignee has been recognized, and such transfer or assignment approved by the lessor as hereinafter provided, upon each acre of the land described and then claimed by such lessee, transferee or assignee hereunder, and the same shall be due and payable in advance to the lessor on the successive anniversary dates of this lease, but the annual rental on any lease or assignment shall in no event be less than ten dollars ($ 10.00).

5. If lessee shall fail to discover and produce minerals in paying quantities during the primary term of this lease, the lessee may continue this lease in full force and effect for an additional or secondary term of two (2) years, and as long thereafter as any mineral or minerals in paying quantities be produced from the land, by paying each year in advance ten times the rental provided in the primary term.

6. With the consent of the lessor and upon payment of all rentals due and a fee of ten dollars ($ 10.00), the lessee may surrender or relinquish this lease, in whole or in part, to the lessor; provided, however, that no relinquishment of any undivided interest herein nor less than a legal subdivision shall be approved or recognized by the lessor; provided, further, that this surrender clause shall become absolutely inoperative immediately and concurrently with the filing of any suit in any court of law or equity by the lessee, lessor, or any assignee, to enforce this lease or any of its terms, express or implied.

7. The lessee, with the consent of the lessor, may assign this lease, in whole or in part; provided, however, that no assignment or any undivided interest in the lease, or any part thereof, nor any assignment of less than a legal subdivision, shall be recognized or approved by the lessor Upon approval of an assignment in writing by the lessor, the assignor shall stand relieved from all obligations to the lessor with respect to the lands embraced in the assignment, and the lessor shall likewise be relieved from all obligations to the assignor as to such tracts, and the assignee shall succeed to all of the rights and privileges of the assignor with respect to such tracts and shall be held to have assumed all of the duties and obligations of the assignor to the lessor as to such tracts.

8. After production is once had, lessee shall use reasonable diligence in prospecting for and developing all commercial deposits of mineral or minerals upon the land, and lessee shall market all mineral or minerals so produced within a reasonable time after production is had.

9. The lessor may cancel this lease for nonpayment of rentals, nonpayment of royalties, or violation of any of the terms, covenants or conditions thereof: provided, however, that before any such cancellation shall be made, the lessor must mail to the lessee or assignee, by registered mail, addressed to the post office address of such lessee or assignee, shown by the records, a thirty-day notice of intention to cancel said lease, specifying the default for which the lease is subject to cancellation. No proof of receipt of notice shall be necessary and thirty days after such mailing, the lessor may enter cancellation unless the lessee shall have sooner remedied the default.

10. The lessor shall have the right to inspect all records, books or accounts pertaining to the mining, extraction, transportation and returns of ores taken from the lands, and, at the request of the lessor, lessee shall furnish such reports, samples, logs, assays or cores within reasonable bounds, as the lessor may deem to be necessary to the proper administration of the lands.

11. Lessee may make or place such improvements and equipment upon the land as may reasonably necessary to explore for, mine and remove the minerals, and upon termination of this lease for any reason, lessee may remove such improvements and equipment as can be removed without material injury to the premises; provided, however, that all rentals and royalties have been paid and that such removal is accomplished within two years of the termination date or before such earlier date as the lessor may set upon thirty days' written notice to the lessee. All improvements and equipment remaining upon the premises after the removal date, as set in accordance with this paragraph, shall be forfeited to the lessor without compensation.

12. Before lessee shall commence developement or operations upon the lands embraced herein, he shall execute and file with the lessor a good and sufficient bond in an amount of five thousand dollars ($ 5,000.00) in favor of the State of New Mexico, for the benefit of the lessor, its surface lessee, patentee or contract purchaser, to secure the payment of such damage to the livestock, water, crops, or other tangible improvements on the lands as may be suffered by reason or development, use and occupation of the lands by the said lessee, and the lessee shall be liable and agree to pay for all such damages to the livestock, growing crops, or other improvements upon the land. In addition, lessor may, upon notice given to lessee, require lessee to furnish a bond in a reasonable amount to guarantee payment of royalties to become due under the lease.

13. This lease is made subject to all the provisions and requirements applicable thereto which are to be found in various acts of the legislature of New Mexico, the same as though they were fully set forth herein, and said laws, so far as applicable to this lease, are to be taken as a part hereof

14. All the obligations, covenants, agreements, rights and privileges of this lease shall extend to and be binding and inure to the benefit of the lawful and recognized assigns or successors in interest of the parties hereto.

15. Nothing herein contained shall be held or construed to prevent the lessor from leasing or letting the said lands or any portion thereof for grazing or agricultural purposes, or for leasing them for the exploration, development and production of products from deposits other than the item, including oil and gas, potash, coal, salt, or for leasing them for the operation of a business, or for selling them under a deferred purchase contract with minerals reserved, or for patenting them with minerals reserved, or for the issuance of rights of way, and easements over, upon or across them for public highways, railroads, tramways, telegraph, telephone and power lines, irrigation works, mining, logging and for any of the purposes mentioned hereinabove in this paragraph, and for other purposes.

16. The lease herein is issued subject to all valid existing rights and with special but not exclusive reference to the present existence of the matters mentioned in the paragraph next above.

17. All mining operations hereunder shall conform with good mining practices, shall be carried on in a workmanlike manner, and shall conform with all of the laws of the State of New Mexico and all rules and regulations of the State Land Office as may be issued from time to time under authority of law for the protection of valuable deposits of other minerals in or upon the lands but not covered by this lease.

18. Payment of all sums due the lessor by the lessee under the terms of this lease, including but not limited to payment for rentals, royalties, bonuses, and fees shall be made at the office of the Commissioner of Public Lands, State Capitol, Santa Fe, New Mexico, and, after notice given, lessor may require such payments to be made in cash or certified exchange.

IN WITNESS WHEREOF, the State of New Mexico has hereunto signed and caused its name to be signed by its Commissioner of Public Lands thereunto duly authorized, with the seal of his office affixed, and the lessee has signed this agreement to be effective the day and year above written.

STATE OF NEW MEXICO

By Guy Ross B. Hays
COMMISSIONER OF PUBLIC LANDS
LESSOR.

M & M Enterprises

Emmett Thorp
Emmett E. Mitchell (SEAL)
LESSEE

Distributed this the _____ day of _____ 19_____.

(PERSONAL ACKNOWLEDGMENT)

STATE OF New Mexico)
ss:
COUNTY OF Chaves)

The foregoing instrument was acknowledged before me on this 25 day of March 19 69 by _____.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 7-20-68

(ACKNOWLEDGMENT BY ATTORNEY)

STATE OF _____)
ss:
COUNTY OF _____)

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ____ by _____ as attorney-in-fact on behalf of _____

_____
Notary Public

My commission expires:

(ACKNOWLEDGMENT BY CORPORATION)

STATE OF _____)
ss:
COUNTY OF _____)

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ____ by _____ (name), _____ (title) of _____ (corporation), a _____ (state of county) corporation, on behalf of said corporation.

_____
Notary Public

My commission expires:

APPLICATION NO. 10,827 ORIGINAL LEASE NO. 79- 0137

GENERAL MINING LEASE

RECEIVED
MAR 26 8 49 AM '65
STATE LAND OFFICE
SANTA FE, N. MEX.

THIS AGREEMENT, dated this 12th day of March 19 65 made and entered into between the STATE OF NEW MEXICO, acting by and through the undersigned, its COMMISSIONER OF PUBLIC LANDS, hereinafter called the "lessor", and

M. & M. Enterprises, 204 West Fourth Street, Roswell, New Mexico
hereinafter called the lessee

WITNESSETH:

THAT WHEREAS, the said lessee has filed in the State Land Office an application for a lease for the purpose of prospecting, mining, developement, and production of all minerals except potassium, sodium, phosphorus, and other minerals of similar occurrence, and their salts and compounds, oil and gas, salt, coal, shale, clay, gravel, building stone and building materials upon the lands hereinafter described, and has tendered the sum of $ 32.00 which sum includes first annual rental thereof, together with the sum of $ 5.00 application fee, and the sum of $ Nil representing bid bonus, evidenced by official receipt No. H-14587

NOW, THEREFORE, in consideration of the above tender, receipt of which is acknowledged, and the covenants herein, the lessor does hereby grant, demise, lease and let to the lessee, exclusively, for the sole and only purpose of prospecting for, exploration, mining, development, production, and removal of the aforesaid minerals, in, upon, from and under the following described lands situated in the State of New Mexico:

INSTITUTION	SECTION	TOWNSHIP	RANGE	SUBDIVISION	ACRES
Common Schools	34	17S	20W	All	640.00

together with the right to use so much of the surface as may be reasonably necessary to prospect for, mine and remove the minerals therefrom.

TO HAVE AND TO HOLD the said lands and privileges granted hereunder for a term of three (3) years and so long thereafter as the said minerals or any of them in paying quantities shall be produced or mined from the leased lands, subject to all the terms and conditions as hereinafter set forth.

IN CONSIDERATION OF THE PREMISES, THE PARTIES COVENANT AND AGREE AS FOLLOWS:

1. Lessee shall pay to the lessor as royalty two per cent (2%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all ores and materials mined and extracted from the land and two per cent (2%) of any and all premiums and bonuses received by lessee in connection with the discovery, production or marketing of such ores or materials. Provided, that on deposits of rare earths, precious stones or semi-precious stones, and all uranium, thorium, plutonium, or any other material which may have been or may hereafter be determined by the Atomic Energy Commission of the United States to be peculiarly essential to the production of fissionable materials, lessee shall pay a royalty of five per cent (5%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all such ores or materials mined and extracted from the land, and five per cent (5%) of any and all premiums and bonuses received by the lessee in connection with the discovery, production or marketing of such ores or materials.

2. Lessee agrees to make full settlement for all royalties on the twentieth (20th) day of the month following the month of sale or receipt of premiums or bonus.

3. The consideration hereinbefore specified is a good and valid consideration, subject in all respects to support each and every covenant herein, including specifically the option granted the lessee to prevent the termination of this lease from year to year by payment or tender of further rentals as hereinafter provided.

4. An annual rental at the rate of five cents (5¢) per acre shall become due and payable to the lessor by the lessee, or by any transferee or assignee of the same or any part hereof where such transferee or assignee has been recognized, and such transfer or assignment approved by the lessor as hereinafter provided, upon each acre of the land described and then claimed by such lessee, transferee or assignee hereunder, and the same shall be due and payable in advance to the lessor on the successive anniversary dates of this lease, but the annual rental on any lease or assignment shall in no event be less than ten dollars ($ 10.00).

5. If lessee shall fail to discover and produce minerals in paying quantities during the primary term of this lease, the lessee may continue this lease in full force and effect for an additional or secondary term of two (2) years, and as long thereafter as any mineral or minerals in paying quantities be produced from the land, by paying each year in advance ten times the rental provided in the primary term.

6. With the consent of the lessor and upon payment of all rentals due and a fee of ten dollars ($ 10.00), the lessee may surrender or relinquish this lease, in whole or in part, to the lessor; provided, however, that no relinquishment of any undivided interest herein nor less than a legal subdivision shall be approved or recognized by the lessor; provided, further, that this surrender clause shall become absolutely inoperative immediately and concurrently with the filing of any suit in any court of law or equity by the lessee, lessor, or any assignee, to enforce this lease or any of its terms, express or implied.

7. The lessee, with the consent of the lessor, may assign this lease, in whole or in part; provided, however, that no assignment or any undivided interest in the lease, or any part thereof, nor any assignment of less than a legal subdivision, shall be recognized or approved by the lessor Upon approval of an assignment in writing by the lessor, the assignor shall stand relieved from all obligations to the lessor with respect to the lands embraced in the assignment, and the lessor shall likewise be relieved from all obligations to the assignor as to such tracts, and the assignee shall succeed to all of the rights and privileges of the assignor with respect to such tracts and shall be held to have assumed all of the duties and obligations of the assignor to the lessor as to such tracts.

8. After production is once had, lessee shall use reasonable diligence in prospecting for and developing all commercial deposits of mineral or minerals upon the land, and lessee shall market all mineral or minerals so produced within a reasonable time after production is had.

9. The lessor may cancel this lease for nonpayment of rentals, nonpayment of royalties, or violation of any of the terms, covenants or conditions thereof: provided, however, that before any such cancellation shall be made, the lessor must mail to the lessee or assignee, by registered mail, addressed to the post office address of such lessee or assignee, shown by the records, a thirty-day notice of intention to cancel said lease, specifying the default for which the lease is subject to cancellation. No proof of receipt of notice shall be necessary and thirty days after such mailing, the lessor may enter cancellation unless the lessee shall have sooner remedied the default.

10. The lessor shall have the right to inspect all records, books or accounts pertaining to the mining, extraction, transportation and returns of ores taken from the lands, and, at the request of the lessor, lessee shall furnish such reports, samples, logs, assays or cores within reasonable bounds, as the lessor may deem to be necessary to the proper administration of the lands.

11. Lessee may make or place such improvements and equipment upon the land as may reasonably necessary to explore for, mine and remove the minerals, and upon termination of this lease for any reason, lessee may remove such improvements and equipment as can be removed without material injury to the premises; provided, however, that all rentals and royalties have been paid and that such removal is accomplished within two years of the termination date or before such earlier date as the lessor may set upon thirty days' written notice to the lessee. All improvements and equipment remaining upon the premises after the removal date, as set in accordance with this paragraph, shall be forfeited to the lessor without compensation.

12. Before lessee shall commence developement or operations upon the lands embraced herein, he shall execute and file with the lessor a good and sufficient bond in an amount of five thousand dollars ($ 5,000.00) in favor of the State of New Mexico, for the benefit of the lessor, its surface lessee, patentee or contract purchaser, to secure the payment of such damage to the livestock, water, crops, or other tangible improvements on the lands as may be suffered by reason or development, use and occupation of the lands by the said lessee, and the lessee shall be liable and agree to pay for all such damages to the livestock, growing crops, or other improvements upon the land. In addition, lessor may, upon notice given to lessee, require lessee to furnish a bond in a reasonable amount to guarantee payment of royalties to become due under the lease.

13. This lease is made subject to all the provisions and requirements applicable thereto which are to be found in various acts of the legislature of New Mexico, the same as though they were fully set forth herein, and said laws, so far as applicable to this lease, are to be taken as a part hereof

14. All the obligations, covenants, agreements, rights and privileges of this lease shall extend to and be binding and inure to the benefit of the lawful and recognized assigns or successors in interest of the parties hereto.

15. Nothing herein contained shall be held or construed to prevent the lessor from leasing or letting the said lands or any portion thereof for grazing or agricultural purposes, or for leasing them for the exploration, development and production of products from deposits other than the item, including oil and gas, potash, coal, salt, or for leasing them for the operation of a business, or for selling them under a deferred purchase contract with minerals reserved, or for patenting them with minerals reserved, or for the issuance of rights of way, and easements over, upon or across them for public highways, railroads, tramways, telegraph, telephone and power lines, irrigation works, mining, logging and for any of the purposes mentioned hereinabove in this paragraph, and for other purposes.

16. The lease herein is issued subject to all valid existing rights and with special but not exclusive reference to the present existence of the matters mentioned in the paragraph next above.

17. All mining operations hereunder shall conform with good mining practices, shall be carried on in a workmanlike manner, and shall conform with all of the laws of the State of New Mexico and all rules and regulations of the State Land Office as may be issued from time to time under authority of law for the protection of valuable deposits of other minerals in or upon the lands but not covered by this lease.

18. Payment of all sums due the lessor by the lessee under the terms of this lease, including but not limited to payment for rentals, royalties, bonuses, and fees shall be made at the office of the Commissioner of Public Lands, State Capitol, Santa Fe, New Mexico, and, after notice given, lessor may require such payments to be made in cash or certified exchange.

IN WITNESS WHEREOF, the State of New Mexico has hereunto signed and caused its name to be signed by its Commissioner of Public Lands thereunto duly authorized, with the seal of his office affixed, and the lessee has signed this agreement to be effective the day and year above written.

STATE OF NEW MEXICO

By Guy B. Hays
COMMISSIONER OF PUBLIC LANDS
LESSOR

M & M Enterprises

Ernest E. Murphy
LESSEE (SEAL)

Distributed this the _____ day of _____ 19____.

(PERSONAL ACKNOWLEDGMENT)

STATE OF New Mexico)
COUNTY OF Chaves) ss:

The foregoing instrument was acknowledged before me on this 25 day of March 1965 by _____.

Dorothea Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 7-26-68

(ACKNOWLEDGMENT BY ATTORNEY)

STATE OF _____)
COUNTY OF _____) ss:

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ____ by _____ as attorney-in-fact on behalf of _____.

_____
Notary Public

My commission expires:

(ACKNOWLEDGMENT BY CORPORATION)

STATE OF _____)
COUNTY OF _____) ss:

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ____ by _____ (name), _____ (title) of _____ (corporation), a _____ (state of county) corporation, on behalf of said corporation.

_____
Notary Public

My commission expires:

APPLICATION NO. 10,828 ORIGINAL LEASE NO. 70- 0138

GENERAL MINING LEASE

RECEIVED MAR 26 8 4 AM '65 STATE LAND OFFICE SANTA FE, N. MEX.

THIS AGREEMENT, dated this 12th day of March 1965, made and entered into between the STATE OF NEW MEXICO, acting by and through the undersigned, its COMMISSIONER OF PUBLIC LANDS, hereinafter called the "lessor", and

M. & M. Enterprises, 204 West Fourth Street, Roswell, New Mexico
hereinafter called the "lessee"

WITNESSETH:

THAT WHEREAS, the said lessee has filed in the State Land Office an application for a lease for the purpose of prospecting, mining, developement, and production of all minerals except potassium, sodium, phosphorus, and other minerals of similar occurrence, and their salts and compounds, oil and gas, salt, coal, shale, clay, gravel, building stone and building materials upon the lands hereinafter described, and has tendered the sum of $32.00 NIL which sum includes first annual rental thereof, together with the sum of $ 5.00 application fee, and the sum of $ representing bid bonus, evidenced by official receipt No. H-14,587

NOW, THEREFORE, in consideration of the above tender, receipt of which is acknowledged, and the covenants herein, the lessor does hereby grant, demise, lease and let to the lessee, exclusively, for the sole and only purpose of prospecting for, exploration, mining, development, production, and removal of the aforesaid minerals, in, upon, from and under the following described lands situated in the State of New Mexico:

INSTITUTION	SECTION	TOWNSHIP	RANGE	SUBDIVISION	ACRES
Common Schools	35	17S	20W	All	640.00

together with the right to use so much of the surface as may be reasonably necessary to prospect for, mine and remove the minerals therefrom.

TO HAVE AND TO HOLD the said lands and privileges granted hereunder for a term of three (3) years and so long thereafter as the said minerals or any of them in paying quantities shall be produced or mined from the leased lands, subject to all the terms and conditions as hereinafter set forth.

IN CONSIDERATION OF THE PREMISES, THE PARTIES COVENANT AND AGREE AS FOLLOWS:

1. Lessee shall pay to the lessor as royalty two per cent (2%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all ores and materials mined and extracted from the land and two per cent (2%) of any and all premiums and bonuses received by lessee in connection with the discovery, production or marketing of such ores or materials. Provided, that on deposits of rare earths, precious stones or semi-precious stones, and all uranium, thorium, plutonium, or any other material which may have been or may hereafter be determined by the Atomic Energy Commission of the United States to be peculiarly essential to the production of fissionable materials, lessee shall pay a royalty of five per cent (5%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all such ores or materials mined and extracted from the land, and five per cent (5%) of any and all premiums and bonuses received by the lessee in connection with the discovery, production or marketing of such ores or materials.

2. Lessee agrees to make full settlement for all royalties on the twentieth (20th) day of the month following the month of sale or receipt of premiums or bonus.

3. The consideration hereinbefore specified is a good and valid consideration, subject in all respects to support each and every covenant herein, including specifically the option granted the lessee to prevent the termination of this lease from year to year by payment or tender of further rentals as hereinafter provided.

4. An annual rental at the rate of five cents (5¢) per acre shall become due and payable to the lessor by the lessee, or by any transferee or assignee of the same or any part hereof where such transferee or assignee has been recognized, and such transfer or assignment approved by the lessor as hereinafter provided, upon each acre of the land described and then claimed by such lessee, transferee or assignee hereunder, and the same shall be due and payable in advance to the lessor on the successive anniversary dates of this lease, but the annual rental on any lease or assignment shall in no event be less than ten dollars ($ 10.00).

5. If lessee shall fail to discover and produce minerals in paying quantities during the primary term of this lease, the lessee may continue this lease in full force and effect for an additional or secondary term of two (2) years, and as long thereafter as any mineral or minerals in paying quantities be produced from the land, by paying each year in advance ten times the rental provided in the primary term.

6. With the consent of the lessor and upon payment of all rentals due and a fee of ten dollars ($ 10.00), the lessee may surrender or relinquish this lease, in whole or in part, to the lessor; provided, however, that no relinquishment of any undivided interest herein nor less than a legal subdivision shall be approved or recognized by the lessor; provided, further, that this surrender clause shall become absolutely inoperative immediately and concurrently with the filing of any suit in any court of law or equity by the lessee, lessor, or any assignee, to enforce this lease or any of its terms, express or implied.

7. The lessee, with the consent of the lessor, may assign this lease, in whole or in part; provided, however, that no assignment or any undivided interest in the lease, or any part thereof, nor any assignment of less than a legal subdivision, shall be recognized or approved by the lessor Upon approval of an assignment in writing by the lessor, the assignor shall stand relieved from all obligations to the lessor with respect to the lands embraced in the assignment, and the lessor shall likewise be relieved from all obligations to the assignor as to such tracts, and the assignee shall succeed to all of the rights and privileges of the assignor with respect to such tracts and shall be held to have assumed all of the duties and obligations of the assignor to the lessor as to such tracts.

8. After production is once had, lessee shall use reasonable diligence in prospecting for and developing all commercial deposits of mineral or minerals upon the land, and lessee shall market all mineral or minerals so produced within a reasonable time after production is had.

9. The lessor may cancel this lease for nonpayment of rentals, nonpayment of royalties, or violation of any of the terms, covenants or conditions thereof; provided, however, that before any such cancellation shall be made, the lessor must mail to the lessee or assignee, by registered mail, addressed to the post office address of such lessee or assignee, shown by the records, a thirty-day notice of intention to cancel said lease, specifying the default for which the lease is subject to cancellation. No proof of receipt of notice shall be necessary and thirty days after such mailing, the lessor may enter cancellation unless the lessee shall have sooner remedied the default.

10. The lessor shall have the right to inspect all records, books or accounts pertaining to the mining, extraction, transportation and returns of ores taken from the lands, and, at the request of the lessor, lessee shall furnish such reports, samples, logs, assays or cores within reasonable bounds, as the lessor may deem to be necessary to the proper administration of the lands.

11. Lessee may make or place such improvements and equipment upon the land as may reasonably necessary to explore for, mine and remove the minerals, and upon termination of this lease for any reason, lessee may remove such improvements and equipment as can be removed without material injury to the premises; provided, however, that all rentals and royalties have been paid and that such removal is accomplished within two years of the termination date or before such earlier date as the lessor may set upon thirty days' written notice to the lessee. All improvements and equipment remaining upon the premises after the removal date, as set in accordance with this paragraph, shall be forfeited to the lessor without compensation.

12. Before lessee shall commence development or operations upon the lands embraced herein, he shall execute and file with the lessor a good and sufficient bond in an amount of five thousand dollars ($ 5,000.00) in favor of the State of New Mexico, for the benefit of the lessor, its surface lessee, patentee or contract purchaser, to secure the payment of such damage to the livestock, water, crops, or other tangible improvements on the lands as may be suffered by reason or development, use and occupation of the lands by the said lessee, and the lessee shall be liable and agree to pay for all such damages to the livestock, growing crops, or other improvements upon the land. In addition, lessor may, upon notice given to lessee, require lessee to furnish a bond in a reasonable amount to guarantee payment of royalties to become due under the lease.

13. This lease is made subject to all the provisions and requirements applicable thereto which are to be found in various acts of the legislature of New Mexico, the same as though they were fully set forth herein, and said laws, so far as applicable to this lease, are to be taken as a part hereof

14. All the obligations, covenants, agreements, rights and privileges of this lease shall extend to and be binding and inure to the benefit of the lawful and recognized assigns or successors in interest of the parties hereto.

15. Nothing herein contained shall be held or construed to prevent the lessor from leasing or letting the said lands or any portion thereof for grazing or agricultural purposes, or for leasing them for the exploration, development and production of products from deposits other than the item, including oil and gas, potash, coal, salt, or for leasing them for the operation of a business, or for selling them under a deferred purchase contract with minerals reserved, or for patenting them with minerals reserved, or for the issuance of rights of way, and easements over, upon or across them for public highways, railroads, tramways, telegraph, telephone and power lines, irrigation works, mining, logging and for any of the purposes mentioned hereinabove in this paragraph, and for other purposes.

16. The lease herein is issued subject to all valid existing rights and with special but not exclusive reference to the present existence of the matters mentioned in the paragraph next above.

17. All mining operations hereunder shall conform with good mining practices, shall be carried on in a workmanlike manner, and shall conform with all of the laws of the State of New Mexico and all rules and regulations of the State Land Office as may be issued from time to time under authority of law for the protection of valuable deposits of other minerals in or upon the lands but not covered by this lease.

18. Payment of all sums due the lessor by the lessee under the terms of this lease, including but not limited to payment for rentals, royalties, bonuses, and fees shall be made at the office of the Commissioner of Public Lands, State Capitol, Santa Fe, New Mexico, and, after notice given, lessor may require such payments to be made in cash or certified exchange.

IN WITNESS WHEREOF, the State of New Mexico has hereunto signed and caused its name to be signed by its Commissioner of Public Lands thereunto duly authorized, with the seal of his office affixed, and the lessee has signed this agreement to be effective the day and year above written.

STATE OF NEW MEXICO

By Guy B. Hayes
COMMISSIONER OF PUBLIC LANDS,
LESSOR.

M & M Enterprises

Everett E. Murphy (SEAL)
LESSEE

Distributed this the _____ day of _____ 19_____.

(PERSONAL ACKNOWLEDGMENT)

STATE OF New Mexico)
COUNTY OF Otero) ss:

The foregoing instrument was acknowledged before me on this 25 day of March 1965 by _____.

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 7-20-68

(ACKNOWLEDGMENT BY ATTORNEY)

STATE OF _____)
COUNTY OF _____) ss:

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ____ by _____ as attorney-in-fact on behalf of _____

_____
Notary Public

My commission expires:

(ACKNOWLEDGMENT BY CORPORATION)

STATE OF _____)
COUNTY OF _____) ss:

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ____ by _____ (name), _____ (title) of _____ (corporation), a _____ (state of county) corporation, on behalf of said corporation.

_____
Notary Public

My commission expires:

APPLICATION NO. 10,829 ORIGINAL LEASE NO. 70- 0139

GENERAL MINING LEASE

RECEIVED MAR 26 8 55 AM '65 STATE LAND OFFICE SANTA FE, N.M.

THIS AGREEMENT, dated this 12th day of March 19 65 made and entered into between the STATE OF NEW MEXICO, acting by and through the undersigned, its COMMISSIONER OF PUBLIC LANDS, hereinafter called the "lessor", and

M & M Enterprises, 204 West Fourth Street, Roswell, New Mexico
hereinafter called the "lessee"

WITNESSETH:

THAT WHEREAS, the said lessee has filed in the State Land Office an application for a lease for the purpose of prospecting, mining, developement, and production of all minerals except potassium, sodium, phosphorus, and other minerals of similar occurrence, and their salts and compounds, oil and gas, salt, coal, shale, clay, gravel, building stone and building materials upon the lands hereinafter described, and has tendered the sum of $ 32.00 which sum includes first annual rental thereof, together with the sum of $ 5.00 application fee, and the sum of $ NIL representing bid bonus, evidenced by official receipt No. B-14587

NOW, THEREFORE, in consideration of the above tender, receipt of which is acknowledged, and the covenants herein, the lessor does hereby grant, demise, lease and let to the lessee, exclusively, for the sole and only purpose of prospecting for, exploration, mining, development, production, and removal of the aforesaid minerals, in, upon, from and under the following described lands situated in the State of New Mexico:

INSTITUTION	SECTION	TOWNSHIP	RANGE	SUBDIVISION	ACRES
Common Schools	36	17S	20W	All	640.04

together with the right to use so much of the surface as may be reasonably necessary to prospect for, mine and remove the minerals therefrom.

TO HAVE AND TO HOLD the said lands and privileges granted hereunder for a term of three (3) years and so long thereafter as the said minerals or any of them in paying quantities shall be produced or mined from the leased lands, subject to all the terms and conditions as hereinafter set forth.

IN CONSIDERATION OF THE PREMISES, THE PARTIES COVENANT AND AGREE AS FOLLOWS:

1. Lessee shall pay to the lessor as royalty two per cent (2%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all ores and materials mined and extracted from the land and two per cent (2%) of any and all premiums and bonuses received by lessee in connection with the discovery, production or marketing of such ores or materials. Provided, that on deposits of rare earths, precious stones or semi-precious stones, and all uranium, thorium, plutonium, or any other material which may have been or may hereafter be determined by the Atomic Energy Commission of the United States to be peculiarly essential to the production of fissionable materials, lessee shall pay a royalty of five per cent (5%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all such ores or materials mined and extracted from the land, and five per cent (5%) of any and all premiums and bonuses received by the lessee in connection with the discovery, production or marketing of such ores or materials.

2. Lessee agrees to make full settlement for all royalties on the twentieth (20th) day of the month following the month of sale or receipt of premiums or bonus.

3. The consideration hereinbefore specified is a good and valid consideration, subject in all respects to support each and every covenant herein, including specifically the option granted the lessee to prevent the termination of this lease from year to year by payment or tender of further rentals as hereinafter provided.

4. An annual rental at the rate of five cents (5¢) per acre shall become due and payable to the lessor by the lessee, or by any transferee or assignee of the same or any part hereof where such transferee or assignee has been recognized, and such transfer or assignment approved by the lessor as hereinafter provided, upon each acre of the land described and then claimed by such lessee, transferee or assignee hereunder, and the same shall be due and payable in advance to the lessor on the successive anniversary dates of this lease, but the annual rental on any lease or assignment shall in no event be less than ten dollars ($ 10.00).

5. If lessee shall fail to discover and produce minerals in paying quantities during the primary term of this lease, the lessee may continue this lease in full force and effect for an additional or secondary term of two (2) years, and as long thereafter as any mineral or minerals in paying quantities be produced from the land, by paying each year in advance ten times the rental provided in the primary term.

6. With the consent of the lessor and upon payment of all rentals due and a fee of ten dollars ($ 10.00), the lessee may surrender or relinquish this lease, in whole or in part, to the lessor; provided, however, that no relinquishment of any undivided interest herein nor less than a legal subdivision shall be approved or recognized by the lessor; provided, further, that this surrender clause shall become absolutely inoperative immediately and concurrently with the filing of any suit in any court of law or equity by the lessee, lessor, or any assignee, to enforce this lease or any of its terms, express or implied.

7. The lessee, with the consent of the lessor, may assign this lease, in whole or in part; provided, however, that no assignment or any undivided interest in the lease, or any part thereof, nor any assignment of less than a legal subdivision, shall be recognized or approved by the lessor Upon approval of an assignment in writing by the lessor, the assignor shall stand relieved from all obligations to the lessor with respect to the lands embraced in the assignment, and the lessor shall likewise be relieved from all obligations to the assignor as to such tracts, and the assignee shall succeed to all of the rights and privileges of the assignor with respect to such tracts and shall be held to have assumed all of the duties and obligations of the assignor to the lessor as to such tracts.

8. After production is once had, lessee shall use reasonable diligence in prospecting for and developing all commercial deposits of mineral or minerals upon the land, and lessee shall market all mineral or minerals so produced within a reasonable time after production is had.

9. The lessor may cancel this lease for nonpayment of rentals, nonpayment of royalties, or violation of any of the terms, covenants or conditions thereof: provided, however, that before any such concellation shall be made, the lessor must mail to the lessee or assignee, by registered mail, addressed to the post office address of such lessee or assignee, shown by the records, a thirty-day notice of intention to cancel said lease, specifying the default for which the lease is subject to cancellation. No proof of receipt of notice shall be necessary and thirty days after such mailing, the lessor may enter cancellation unless the lessee shall have sooner remedied the default.

10. The lessor shall have the right to inspect all records, books or accounts pertaining to the mining, extraction, transportation and returns of ores taken from the lands, and, at the request of the lessor, lessee shall furnish such reports, samples, logs, assays or cores within reasonable bounds, as the lessor may deem to be necessary to the proper administration of the lands.

11. Lessee may make or place such improvements and equipment upon the land as may reasonably necessary to explore for, mine and remove the minerals, and upon termination of this lease for any reason, lessee may remove such improvements and equipment as can be removed without material injury to the premises; provided, however, that all rentals and royalties have been paid and that such removal is accomplished within two years of the termination date or before such earlier date as the lessor may set upon thirty days' written notice to the lessee. All improvements and equipment remaining upon the premises after the removal date, as set in accordance with this paragraph, shall be forfeited to the lessor without compensation.

12. Before lessee shall commence developement or operations upon the lands embraced herein, he shall execute and file with the lessor a good and sufficient bond in an amount of five thousand dollars ($ 5,000.00) in favor of the State of New Mexico, for the benefit of the lessor, its surface lessee, patentee or contract purchaser, to secure the payment of such damage to the livestock, water, crops, or other tangible improvements on the lands as may be suffered by reason or development, use and occupation of the lands by the said lessee, and the lessee shall be liable and agree to pay for all such damages to the livestock, growing crops, or other improvements upon the land. In addition, lessor may, upon notice given to lessee, require lessee to furnish a bond in a reasonable amount to guarantee payment of royalties to become due under the lease.

13. This lease is made subject to all the provisions and requirements applicable thereto which are to be found in various acts of the legislature of New Mexico, the same as though they were fully set forth herein, and said laws, so far as applicable to this lease, are to be taken as a part hereof

14. All the obligations, covenants, agreements, rights and privileges of this lease shall extend to and be binding and inure to the benefit of the lawful and recognized assigns or successors in interest of the parties hereto.

15. Nothing herein contained shall be held or construed to prevent the lessor from leasing or letting the said lands or any portion thereof for grazing or agricultural purposes, or for leasing them for the exploration, development and production of products from deposits other than the item, including oil and gas, potash, coal, salt, or for leasing them for the operation of a business, or for selling them under a deferred purchase contract with minerals reserved, or for patenting them with minerals reserved, or for the issuance of rights of way, and easements over, upon or across them for public highways, railroads, tramways, telegraph, telephone and power lines, irrigation works, mining, logging and for any of the purposes mentioned hereinabove in this paragraph, and for other purposes.

16. The lease herein is issued subject to all valid existing rights and with special but not exclusive reference to the present existence of the matters mentioned in the paragraph next above.

17. All mining operations hereunder shall conform with good mining practices, shall be carried on in a workmanlike manner, and shall conform with all of the laws of the State of New Mexico and all rules and regulations of the State Land Office as may be issued from time to time under authority of law for the protection of valuable deposits of other minerals in or upon the lands but not covered by this lease.

18. Payment of all sums due the lessor by the lessee under the terms of this lease, including but not limited to payment for rentals, royalties, bonuses, and fees shall be made at the office of the Commissioner of Public Lands, State Capitol, Santa Fe, New Mexico, and, after notice given, lessor may require such payments to be made in cash or certified exchange.

IN WITNESS WHEREOF, the State of New Mexico has hereunto signed and caused its name to be signed by its Commissioner of Public Lands thereunto duly authorized, with the seal of his office affixed, and the lessee has signed this agreement to be effective the day and year above written.

STATE OF NEW MEXICO

By Guy Ben B. Hays
COMMISSIONER OF PUBLIC LANDS
LESSOR.

M & M Enterprises

Ernest E. Morris
LESSEE (SEAL)

Distributed this the 25 day of March 1965.

(PERSONAL ACKNOWLEDGMENT)

STATE OF N.M. Mexico)
ss:
COUNTY OF Chaves)

The foregoing instrument was acknowledged before me on this 25 day of March 1965 by

Dorothea A. Bell
Notary Public

My commission expires: MY COMMISSION EXPIRES 7-26-68

(ACKNOWLEDGMENT BY ATTORNEY)

STATE OF _____)
ss:
COUNTY OF _____)

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ___ by _____ as attorney-in-fact on behalf of _____

_____
Notary Public

My commission expires:

(ACKNOWLEDGMENT BY CORPORATION)

STATE OF _____)
ss:
COUNTY OF _____)

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ___ by _____ (name), _____ (title) of _____ (corporation), a _____ (state of county) corporation, on behalf of said corporation.

_____
Notary Public

My commission expires:

APPLICATION NO. 10,843 ORIGINAL LEASE NO. 70- 0151

GENERAL MINING LEASE

THIS AGREEMENT, dated this 15th day of April 19 65 made and entered into between the STATE OF NEW MEXICO, acting by and through the undersigned, its COMMISSIONER OF PUBLIC LANDS, hereinafter called the "lessor", and

M. & M. Enterprises, 204 W. Fourth Street, Roswell, New Mexico
hereinafter called the "lessee"

WITNESSETH:

THAT WHEREAS, the said lessee has filed in the State Land Office an application for a lease for the purpose of prospecting, mining, developement, and production of all minerals except potassium, sodium, phosphorus, and other minerals of similar occurrence, and their salts and compounds, oil and gas, salt, coal, shale, clay, gravel, building stone and building materials upon the lands hereinafter described, and has tendered the sum of $ 32.00 which sum includes first annual rental thereof, together with the sum of $ 5.00 application fee, and the sum of $ NIL representing bid bonus, evidenced by official receipt No. H-16502

NOW, THEREFORE, in consideration of the above tender, receipt of which is acknowledged, and the covenants herein, the lessor does hereby grant, demise, lease and let to the lessee, exclusively, for the sole and only purpose of prospecting for, exploration, mining, development, production, and removal of the aforesaid minerals, in, upon, from and under the following described lands situated in the State of New Mexico:

INSTITUTION	SECTION	TOWNSHIP	RANGE	SUBDIVISION	ACRES
PORTALES NORMAL	25	17S	20W	All	640.00

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together with the right to use so much of the surface as may be reasonably necessary to prospect for, mine and remove the minerals therefrom.

TO HAVE AND TO HOLD the said lands and privileges granted hereunder for a term of three (3) years and so long thereafter as the said minerals or any of them in paying quantities shall be produced or mined from the leased lands, subject to all the terms and conditions as hereinafter set forth.

IN CONSIDERATION OF THE PREMISES, THE PARTIES COVENANT AND AGREE AS FOLLOWS:

1. Lessee shall pay to the lessor as royalty two per cent (2%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all ores and materials mined and extracted from the land and two per cent (2%) of any and all premiums and bonuses received by lessee in connection with the discovery, production or marketing of such ores or materials. Provided, that on deposits of rare earths, precious stones or semi-precious stones, and all uranium, thorium, plutonium, or any other material which may have been or may hereafter be determined by the Atomic Energy Commission of the United States to be peculiarly essential to the production of fissionable materials, lessee shall pay a royalty of five per cent (5%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all such ores or materials mined and extracted from the land, and five per cent (5%) of any and all premiums and bonuses received by the lessee in connection with the discovery, production or marketing of such ores or materials.

2. Lessee agrees to make full settlement for all royalties on the twentieth (20th) day of the month following the month of sale or receipt of premiums or bonus.

3. The consideration hereinbefore specified is a good and valid consideration, subject in all respects to support each and every covenant herein, including specifically the option granted the lessee to prevent the termination of this lease from year to year by payment or tender of further rentals as hereinafter provided.

4. An annual rental at the rate of five cents (5¢) per acre shall become due and payable to the lessor by the lessee, or by any transferee or assignee of the same or any part hereof where such transferee or assignee has been recognized, and such transfer or assignment approved by the lessor as hereinafter provided, upon each acre of the land described and then claimed by such lessee, transferee or assignee hereunder, and the same shall be due and payable in advance to the lessor on the successive anniversary dates of this lease, but the annual rental on any lease or assignment shall in no event be less than ten dollars ($ 10.00).

5. If lessee shall fail to discover and produce minerals in paying quantities during the primary term of this lease, the lessee may continue this lease in full force and effect for an additional or secondary term of two (2) years, and as long thereafter as any mineral or minerals in paying quantities be produced from the land, by paying each year in advance ten times the rental provided in the primary term.

6. With the consent of the lessor and upon payment of all rentals due and a fee of ten dollars ($ 10.00), the lessee may surrender or relinquish this lease, in whole or in part, to the lessor; provided, however, that no relinquishment of any undivided interest herein nor less than a legal subdivision shall be approved or recognized by the lessor; provided, further, that this surrender clause shall become absolutely inoperative immediately and concurrently with the filing of any suit in any court of law or equity by the lessee, lessor, or any assignee, to enforce this lease or any of its terms, express or implied.

7. The lessee, with the consent of the lessor, may assign this lease, in whole or in part; provided, however, that no assignment or any undivided interest in the lease, or any part thereof, nor any assignment of less than a legal subdivision, shall be recognized or approved by the lessor Upon approval of an assignment in writing by the lessor, the assignor shall stand relieved from all obligations to the lessor with respect to the lands embraced in the assignment, and the lessor shall likewise be relieved from all obligations to the assignor as to such tracts, and the assignee shall succeed to all of the rights and privileges of the assignor with respect to such tracts and shall be held to have assumed all of the duties and obligations of the assignor to the lessor as to such tracts.

8. After production is once had, lessee shall use reasonable diligence in prospecting for and developing all commercial deposits of mineral or minerals upon the land, and lessee shall market all mineral or minerals so produced within a reasonable time after production is had.

9. The lessor may cancel this lease for nonpayment of rentals, nonpayment of royalties, or violation of any of the terms, covenants or conditions thereof: provided, however, that before any such cancellation shall be made, the lessor must mail to the lessee or assignee, by registered mail, addressed to the post office address of such lessee or assignee, shown by the records, a thirty-day notice of intention to cancel said lease, specifying the default for which the lease is subject to cancellation. No proof of receipt of notice shall be necessary and thirty days after such mailing, the lessor may enter cancellation unless the lessee shall have sooner remedied the default.

10. The lessor shall have the right to inspect all records, books or accounts pertaining to the mining, extraction, transportation and returns of ores taken from the lands, and, at the request of the lessor, lessee shall furnish such reports, samples, logs, assays or cores within reasonable bounds, as the lessor may deem to be necessary to the proper administration of the lands.

11. Lessee may make or place such improvements and equipment upon the land as may reasonably necessary to explore for, mine and remove the minerals, and upon termination of this lease for any reason, lessee may remove such improvements and equipment as can be removed without material injury to the premises; provided, however, that all rentals and royalties have been paid and that such removal is accomplished within two years of the termination date or before such earlier date as the lessor may set upon thirty days' written notice to the lessee. All improvements and equipment remaining upon the premises after the removal date, as set in accordance with this paragraph, shall be forfeited to the lessor without compensation.

12. Before lessee shall commence developement or operations upon the lands embraced herein, he shall execute and file with the lessor a good and sufficient bond in an amount of five thousand dollars ($ 5,000.00) in favor of the State of New Mexico, for the benefit of the lessor, its surface lessee, patentee or contract purchaser, to secure the payment of such damage to the livestock, water, crops, or other tangible improvements on the lands as may be suffered by reason or development, use and occupation of the lands by the said lessee, and the lessee shall be liable and agree to pay for all such damages to the livestock, growing crops, or other improvements upon the land. In addition, lessor may, upon notice given to lessee, require lessee to furnish a bond in a reasonable amount to guarantee payment of royalties to become due under the lease.

13. This lease is made subject to all the provisions and requirements applicable thereto which are to be found in various acts of the legislature of New Mexico, the same as though they were fully set forth herein, and said laws, so far as applicable to this lease, are to be taken as a part hereof

14. All the obligations, covenants, agreements, rights and privileges of this lease shall extend to and be binding and inure to the benefit of the lawful and recognized assigns or successors in interest of the parties hereto.

15. Nothing herein contained shall be held or construed to prevent the lessor from leasing or letting the said lands or any portion thereof for grazing or agricultural purposes, or for leasing them for the exploration, development and production of products from deposits other than the item, including oil and gas, potash, coal, salt, or for leasing them for the operation of a business, or for selling them under a deferred purchase contract with minerals reserved, or for patenting them with minerals reserved, or for the issuance of rights of way, and easements over, upon or across them for public highways, railroads, tramways, telegraph, telephone and power lines, irrigation works, mining, logging and for any of the purposes mentioned hereinabove in this paragraph, and for other purposes.

16. The lease herein is issued subject to all valid existing rights and with special but not exclusive reference to the present existence of the matters mentioned in the paragraph next above.

17. All mining operations hereunder shall conform with good mining practices, shall be carried on in a workmanlike manner, and shall conform with all of the laws of the State of New Mexico and all rules and regulations of the State Land Office as may be issued from time to time under authority of law for the protection of valuable deposits of other minerals in or upon the lands but not covered by this lease.

18. Payment of all sums due the lessor by the lessee under the terms of this lease, including but not limited to payment for rentals, royalties, bonuses, and fees shall be made at the office of the Commissioner of Public Lands, State Capitol, Santa Fe, New Mexico, and, after notice given, lessor may require such payments to be made in cash or certified exchange.

IN WITNESS WHEREOF, the State of New Mexico has hereunto signed and caused its name to be signed by its Commissioner of Public Lands thereunto duly authorized, with the seal of his office affixed, and the lessee has signed this agreement to be effective the day and year above written.

STATE OF NEW MEXICO

By Guy Shepherd
COMMISSIONER OF PUBLIC LANDS
LESSOR

Emmet J. Thorpe

Emmet E. Thorpe (SEAL)
LESSEE

Distributed this the 4 day of MAY 1965.

(PERSONAL ACKNOWLEDGMENT)

STATE OF N. Mex)
COUNTY OF Chaves) ss:

The foregoing instrument was acknowledged before me on this 1 day of May 1965 by _____.

Dorothea A. Bell
Notary Public

My commission expires: July 26, 1968

(ACKNOWLEDGMENT BY ATTORNEY)

STATE OF _____)
COUNTY OF _____) ss:

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ___ by _____ as attorney-in-fact on behalf of _____.

_____
Notary Public

My commission expires:

(ACKNOWLEDGMENT BY CORPORATION)

STATE OF _____)
COUNTY OF _____) ss:

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ___ by _____ (name), _____ (title) of _____ (corporation), a _____ (state of county) corporation, on behalf of said corporation.

_____
Notary Public

My commission expires:

APPLICATION NO. 10,851 ORIGINAL LEASE NO. 70- 0159

GENERAL MINING LEASE

THIS AGREEMENT, dated this 22nd day of April 19 65 made and entered into between the STATE OF NEW MEXICO, acting by and through the undersigned, its COMMISSIONER OF PUBLIC LANDS, hereinafter called the "lessor", and

M. & N. Enterprises, 204 W. Fourth Street, Roswell, New Mexico
hereinafter called the "lessee"

WITNESSETH:

THAT WHEREAS, the said lessee has filed in the State Land Office an application for a lease for the purpose of prospecting, mining, developement, and production of all minerals except potassium, sodium, phosphorus, and other minerals of similar occurrence, and their salts and compounds, oil and gas, salt, coal, shale, clay, gravel, building stone and building materials upon the lands hereinafter described, and has tendered the sum of $ 10.00 which sum includes first annual rental thereof, together with the sum of $ 5.00 application fee, and the sum of $ N/A representing bid bonus, evidenced by official receipt No. H-16973

NOW, THEREFORE, in consideration of the above tender, receipt of which is acknowledged, and the covenants herein, the lessor does hereby grant, demise, lease and let to the lessee, exclusively, for the sole and only purpose of prospecting for, exploration, mining, development, production, and removal of the aforesaid minerals, in, upon, from and under the following described lands situated in the State of New Mexico:

INSTITUTION	SECTION	TOWNSHIP	RANGE	SUBDIVISION	ACRES
Common Schools	26	17S	20W	SW¼SW¼,	40.00

RECEIVED APR 4 8 23 AM '65 STATE LAND OFFICE SANTA FE, N.M.

together with the right to use so much of the surface as may be reasonably necessary to prospect for, mine and remove the minerals therefrom.

TO HAVE AND TO HOLD the said lands and privileges granted hereunder for a term of three (3) years and so long thereafter as the said minerals or any of them in paying quantities shall be produced or mined from the leased lands, subject to all the terms and conditions as hereinafter set forth.

IN CONSIDERATION OF THE PREMISES, THE PARTIES COVENANT AND AGREE AS FOLLOWS:

1. Lessee shall pay to the lessor as royalty two per cent (2%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all ores and materials mined and extracted from the land and two per cent (2%) of any and all premiums and bonuses received by lessee in connection with the discovery, production or marketing of such ores or materials. Provided, that on deposits of rate earths, precious stones or semi-precious stones, and all uranium, thorium, plutonium, or any other material which may have been or may hereafter be determined by the Atomic Energy Commission of the United States to be peculiarly essential to the production of fissionable materials, lessee shall pay a royalty of five per cent (5%) of the gross returns from the smelter, mill, reduction process or other sale, less reasonable transportation and smelting or reduction charges, if any, of all such ores or materials mined and extracted from the land, and five per cent (5%) of any and all premiums and bonuses received by the lessee in connection with the discovery, production or marketing of such ores or materials.

2. Lessee agrees to make full settlement for all royalties on the twentieth (20th) day of the month following the month of sale or receipt of premiums or bonus.

3. The consideration hereinbefore specified is a good and valid consideration, subject in all respects to support each and every covenant herein, including specifically the option granted the lessee to prevent the termination of this lease from year to year by payment or tender of further rentals as hereinafter provided.

4. An annual rental at the rate of five cents (5¢) per acre shall become due and payable to the lessor by the lessee, or by any transferee or assignee of the same or any part hereof where such transferee or assignee has been recognized, and such transfer or assignment approved by the lessor as hereinafter provided, upon each acre of the land described and then claimed by such lessee, transferee or assignee hereunder, and the same shall be due and payable in advance to the lessor on the successive anniversary dates of this lease, but the annual rental on any lease or assignment shall in no event be less than ten dollars ($ 10.00).

5. If lessee shall fail to discover and produce minerals in paying quantities during the primary term of this lease, the lessee may continue this lease in full force and effect for an additional or secondary term of two (2) years, and as long thereafter as any mineral or minerals in paying quantities be produced from the land, by paying each year in advance ten times the rental provided in the primary term.

6. With the consent of the lessor and upon payment of all rentals due and a fee of ten dollars ($ 10.00), the lessee may surrender or relinquish this lease, in whole or in part, to the lessor; provided, however, that no relinquishment of any undivided interest herein nor less than a legal subdivision shall be approved or recognized by the lessor; provided, further, that this surrender clause shall become absolutely inoperative immediately and concurrently with the filing of any suit in any court of law or equity by the lessee, lessor, or any assignee, to enforce this lease or any of its terms, express or implied.

7. The lessee, with the consent of the lessor, may assign this lease, in whole or in part; provided, however, that no assignment or any undivided interest in the lease, or any part thereof, nor any assignment of less than a legal subdivision, shall be recognized or approved by the lessor Upon approval of an assignment in writing by the lessor, the assignor shall stand relieved from all obligations to the lessor with respect to the lands embraced in the assignment, and the lessor shall likewise be relieved from all obligations to the assignor as to such tracts, and the assignee shall succeed to all of the rights and privileges of the assignor with respect to such tracts and shall be held to have assumed all of the duties and obligations of the assignor to the lessor as to such tracts.

8. After production is once had, lessee shall use reasonable diligence in prospecting for and developing all commercial deposits of mineral or minerals upon the land, and lessee shall market all mineral or minerals so produced within a reasonable time after production is had.

9. The lessor may cancel this lease for nonpayment of rentals, nonpayment of royalties, or violation of any of the terms, covenants or conditions thereof: provided, however, that before any such concellation shall be made, the lessor must mail to the lessee or assignee, by registered mail, addressed to the post office address of such lessee or assignee, shown by the records, a thirty-day notice of intention to cancel said lease, specifying the default for which the lease is subject to cancellation. No proof of receipt of notice shall be necessary and thirty days after such mailing, the lessor may enter cancellation unless the lessee shall have sooner remedied the default.

10. The lessor shall have the right to inspect all records, books or accounts pertaining to the mining, extraction, transportation and returns of ores taken from the lands, and, at the request of the lessor, lessee shall furnish such reports, samples, logs, assays or cores within reasonable bounds, as the lessor may deem to be necessary to the proper administration of the lands.

11. Lessee may make or place such improvements and equipment upon the land as may reasonably necessary to explore for, mine and remove the minerals, and upon termination of this lease for any reason, lessee may remove such improvements and equipment as can be removed without material injury to the premises; provided, however, that all rentals and royalties have been paid and that such removal is accomplished within two years of the termination date or before such earlier date as the lessor may set upon thirty days' written notice to the lessee. All improvements and equipment remaining upon the premises after the removal date, as set in accordance with this paragraph, shall be forfeited to the lessor without compensation.

12. Before lessee shall commence developement or operations upon the lands embraced herein, he shall execute and file with the lessor a good and sufficient bond in an amount of five thousand dollars ($ 5,000.00) in favor of the State of New Mexico, for the benefit of the lessor, its surface lessee, patentee or contract purchaser, to secure the payment of such damage to the livestock, water, crops, or other tangible improvements on the lands as may be suffered by reason or development, use and occupation of the lands by the said lessee, and the lessee shall be liable and agree to pay for all such damages to the livestock, growing crops, or other improvements upon the land. In addition, lessor may, upon notice given to lessee, require lessee to furnish a bond in a reasonable amount to guarantee payment of royalties to become due under the lease.

13. This lease is made subject to all the provisions and requirements applicable thereto which are to be found in various acts of the legislature of New Mexico, the same as though they were fully set forth herein, and said laws, so far as applicable to this lease, are to be taken as a part hereof

14. All the obligations, covenants, agreements, rights and privileges of this lease shall extend to and be binding and inure to the benefit of the lawful and recognized assigns or successors in interest of the parties hereto.

15. Nothing herein contained shall be held or construed to prevent the lessor from leasing or letting the said lands or any portion thereof for grazing or agricultural purposes, or for leasing them for the exploration, development and production of products from deposits other than the item, including oil and gas, potash, coal, salt, or for leasing them for the operation of a business, or for selling them under a deferred purchase contract with minerals reserved, or for patenting them with minerals reserved, or for the issuance of rights of way, and easements over, upon or across them for public highways, railroads, tramways, telegraph, telephone and power lines, irrigation works, mining, logging and for any of the purposes mentioned hereinabove in this paragraph, and for other purposes.

16. The lease herein is issued subject to all valid existing rights and with special but not exclusive reference to the present existence of the matters mentioned in the paragraph next above.

17. All mining operations hereunder shall conform with good mining practices, shall be carried on in a workmanlike manner, and shall conform with all of the laws of the State of New Mexico and all rules and regulations of the State Land Office as may be issued from time to time under authority of law for the protection of valuable deposits of other minerals in or upon the lands but not covered by this lease.

18. Payment of all sums due the lessor by the lessee under the terms of this lease, including but not limited to payment for rentals, royalties, bonuses, and fees shall be made at the office of the Commissioner of Public Lands, State Capitol, Santa Fe, New Mexico, and, after notice given, lessor may require such payments to be made in cash or certified exchange.

IN WITNESS WHEREOF, the State of New Mexico has hereunto signed and caused its name to be signed by its Commissioner of Public Lands thereunto duly authorized, with the seal of his office affixed, and the lessee has signed this agreement to be effective the day and year above written.

STATE OF NEW MEXICO

By Guy Shipley

COMMISSIONER OF PUBLIC LANDS
LESSOR

Ernest E. Murphy

Ernest E. Murphy (SEAL)
LESSEE

Distributed this the 20 day of MAY 1965

(PERSONAL ACKNOWLEDGMENT)

STATE OF N. Mex.)
COUNTY OF Chaves) ss:

The foregoing instrument was acknowledged before me on this 5 day of May 1965 by _____.

Dorothea A. Bill
Notary Public

My commission expires: MY COMMISSION EXPIRES 7-26-68

(ACKNOWLEDGMENT BY ATTORNEY)

STATE OF _____)
COUNTY OF _____) ss:

The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ____ by _____ as attorney-in-fact on behalf of _____

_____
Notary Public

My commission expires:

(ACKNOWLEDGMENT BY CORPORATION)

STATE OF _____)
COUNTY OF _____) ss:

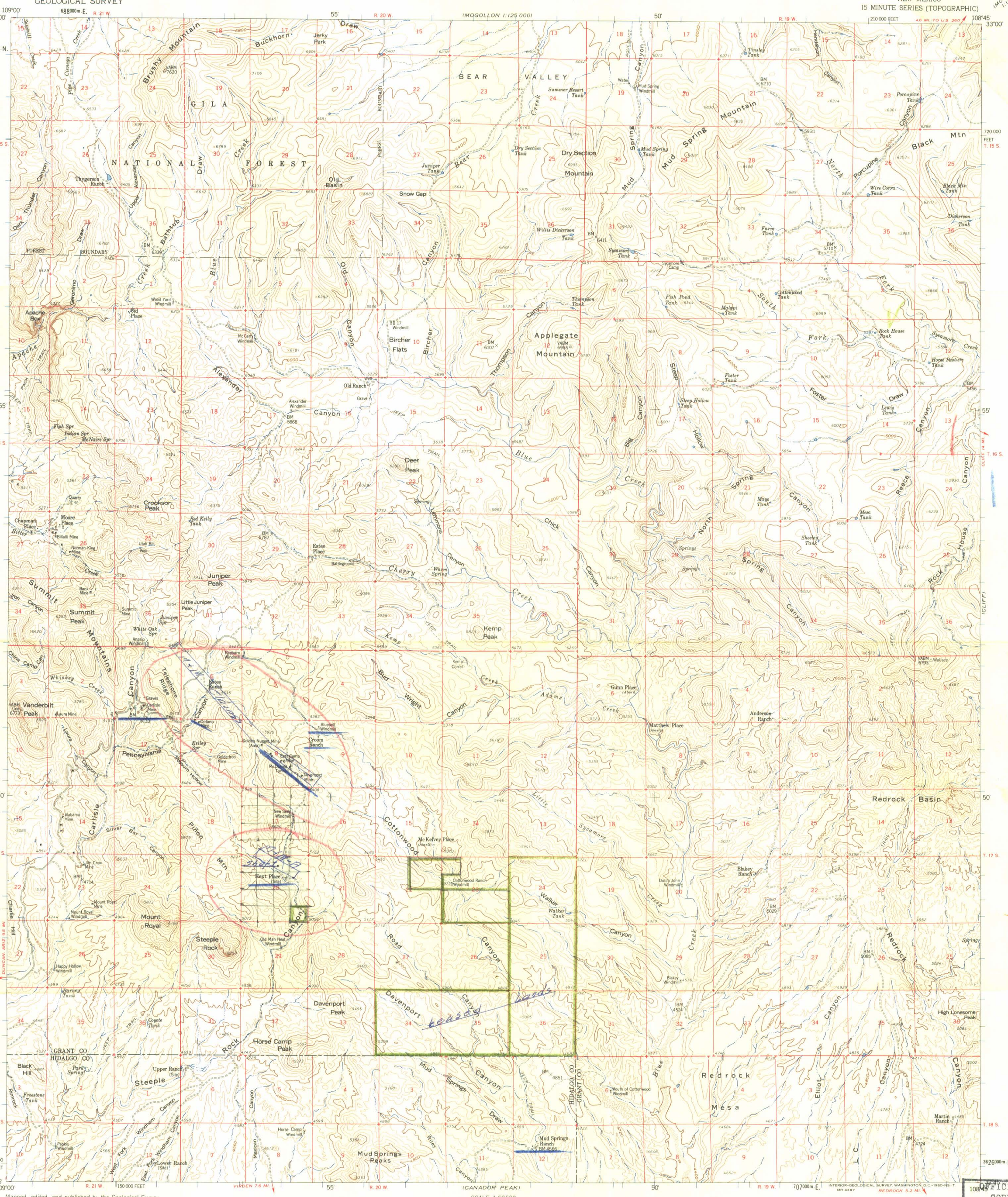
The foregoing instrument was acknowledged before me on this _____ day of _____ 19 ____ by _____ (name), _____ (title) of _____ (corporation), a _____ (state of county) corporation, on behalf of said corporation.

_____
Notary Public

My commission expires:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STEEPLE ROCK QUADRANGLE
NEW MEXICO
15 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1957. Field check 1959

Polyconic projection. 1927 North American datum
10,000-foot grid based on New Mexico coordinate system, west zone
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

Dashed land lines indicate approximate locations

13°
TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1959

SCALE 1:62500

1 ½ 0 1 2 3 4 MILES

3000 0 3000 6000 9000 12000 15000 18000 21000 FEET

1 .5 0 1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 80 FEET
DATUM IS MEAN SEA LEVEL

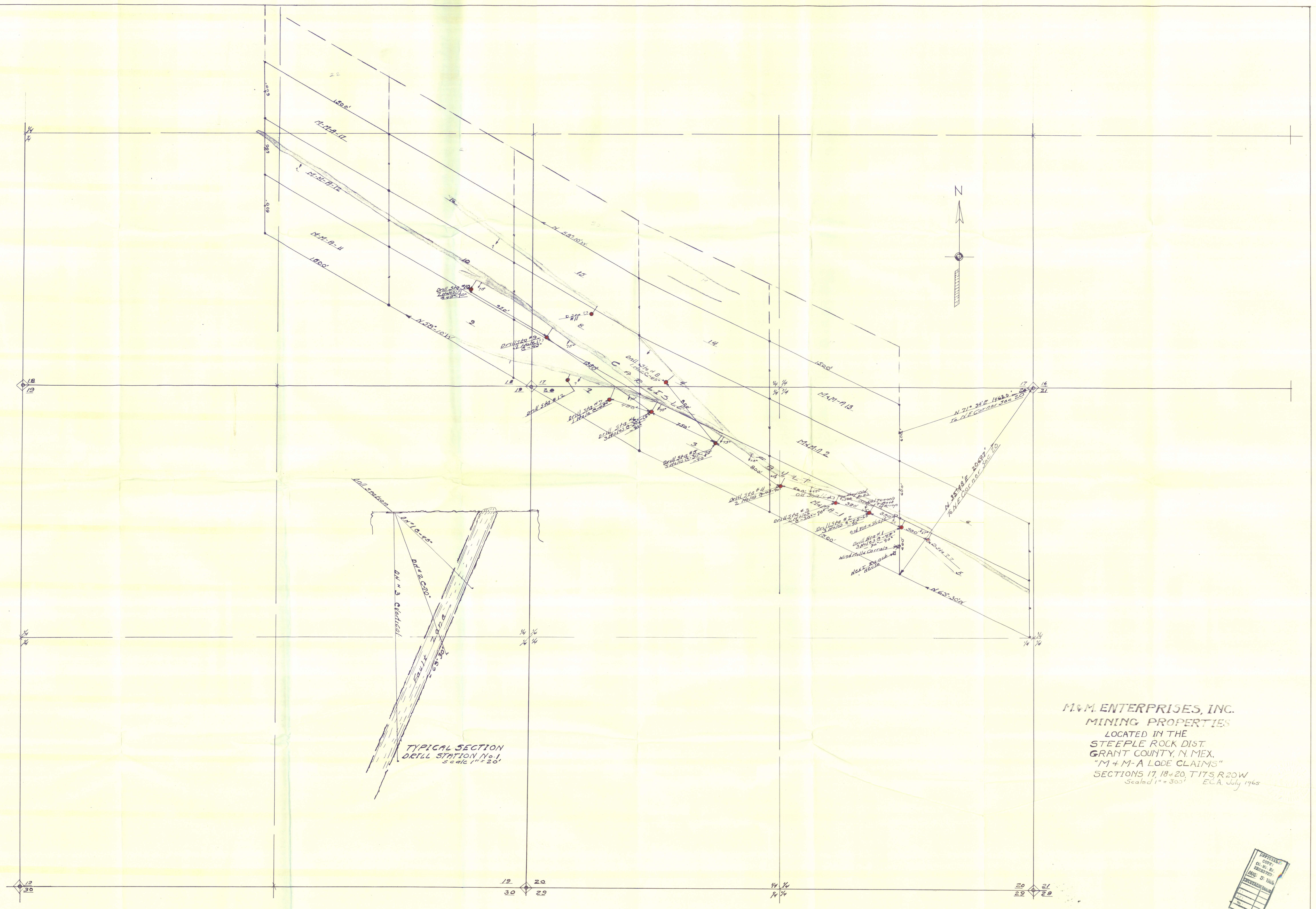
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D.C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

NEW MEXICO
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Light-duty ——— Unimproved dirt - - -

STEEPLE ROCK, N. MEX.
N3245—W10845/15
1959

OFFICIAL COPY
O. M. & E.
RECEIVED
AUG 5 1965
INITIALS CODE



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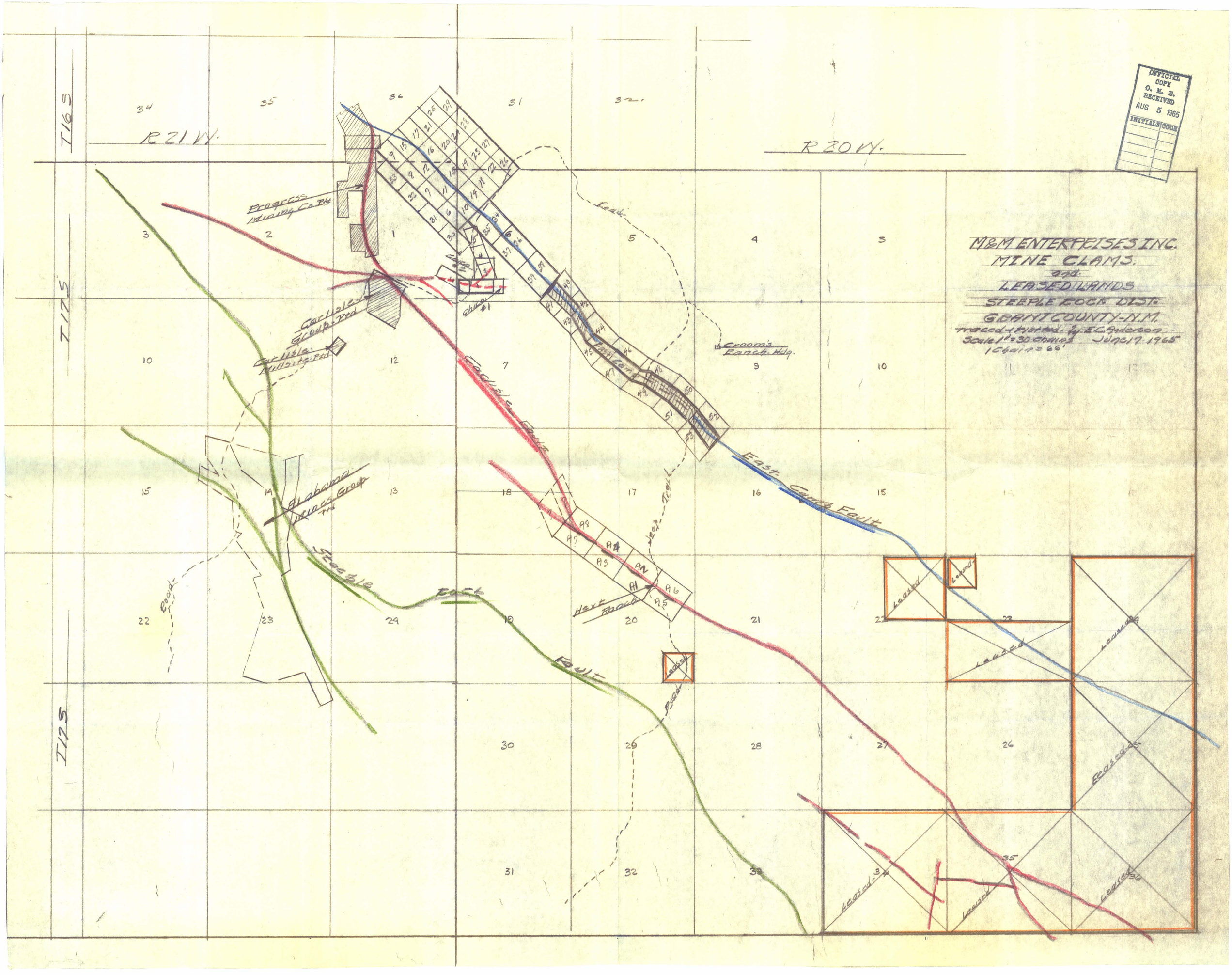
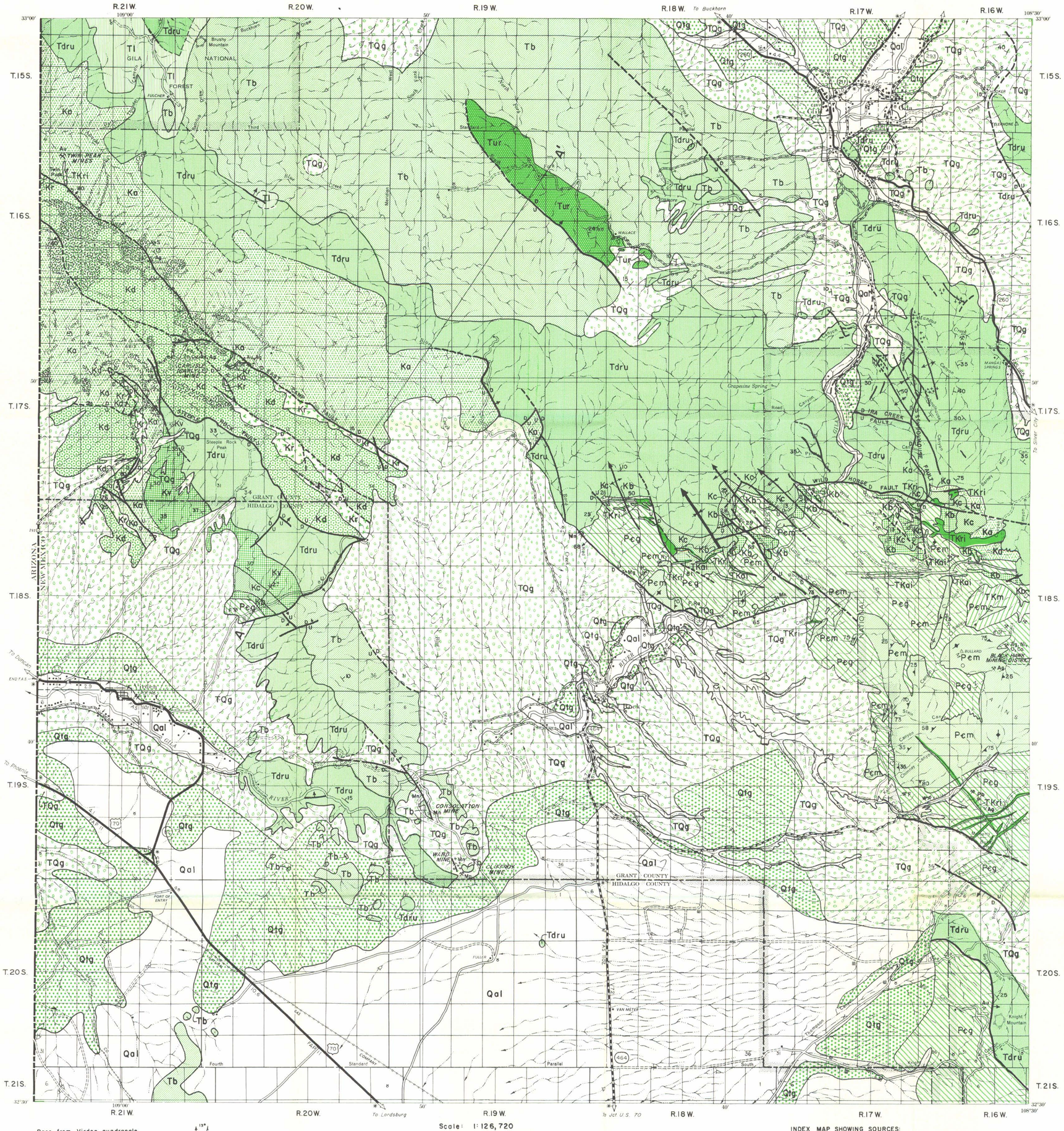
DATE
DOCUMENT CONTROL


M&M ENTERPRISES INC.
MINE CLAIMS.
and
LEASED LANDS
STEEPLE ROCK DIST.
GRANT COUNTY-N.M.
traced + plotted by E.C. Anderson
Scale 1" = 30 chains June 17 1965
1 Chain = 66'
OFFICIAL COPY
O. M. B.
RECEIVED
AUG 5 1965
INITIALS CODE
T16S
T17S
T18S
R21W.
R20W.
Progress Mining Co. Pd
Carlisle Group Pd
Carlisle Mills site Pd
Alabama Queen Group Pd
Groom's Ranch Hdq.
Steeple Rock Fault
East Camp Fault
Hext Road
Leased

STATE BUREAU OF MINES
AND MINERAL RESOURCES
A. J. THOMPSON, DIRECTOR

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY
E. J. WORKMAN, PRESIDENT

GEOLOGY
VIRDEN QUADRANGLE
NEW MEXICO



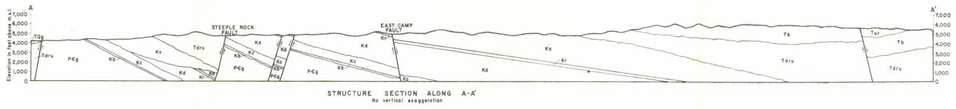
Base from Virden quadrangle of New Mexico State Highway Department.

Approximate Mean Declination, 1959

Scale: 1:126,720

Statute Miles

1960



RECONNAISSANCE GEOLOGIC MAP OF VIRDEN THIRTY-MINUTE QUADRANGLE

By Wolfgang E. Elston

INDEX MAP SHOWING SOURCES:

1. Ballmann, D.L., 1960, Geology of the Knight Peak area, Grant County, New Mexico: N. Mex. Inst. Min. and Technology, State Bur. Mines and Mineral Res. Bull. 70, 39 p.

2. Elston, W.E., this map.

3. Gillerman, Elliot, and Whitebread, D.H., 1956, Uranium-bearing nickel-cobalt-silver deposits, Black Hawk district, Grant County New Mexico: U.S. Geol. Survey Bull. 1009K, p. 283-313.

4. Hewitt, C. H., 1959; Geology and mineral deposits of the northern Big Burro Mountains-Redrock area, Grant County, New Mexico: N. Mex. Inst. Min. and Technology, State Bur. Mines and Mineral Res. Bull. 60, 151p.

5. Pradhan, B.M., and Singh, Y.L., 1960, Geology of the area between Virden and Red Rock, Hidalgo and Grant Counties, New Mexico: Univ. New Mexico, M.S. thesis, in preparation. Also, Elston, W.E., this map.

6. Wargo, J.G., 1959, Geology of the Schoolhouse Mountain quadrangle, Grant County, New Mexico: Univ. Arizona, Ph.D. thesis, unpublished.

Geologic cartography by E.S. Holman.

EXPLANATION

QUATERNARY

Qal — Alluvium and bolson deposits
Silt, sand, and gravel in modern streams and in surficial deposits on undissected plains. Max. thickness 100 feet.

Qtg — Terrace gravels
Unconsolidated gravels in stream terraces and older bolson deposits that are exposed on dissected edges of bolson plains. Attitude nearly horizontal. Max. thickness 30+ feet.

UNCONFORMITY

LATE TERTIARY (MIOCENE? - PLIOCENE?)

TQg — Gila conglomerate
Semiconsolidated or consolidated conglomerate, fanglomerate, sandstone, diatomite, and clay. Faulted and tilted. Mineralized by epithermal (hot spring-type) manganese vein deposits in Red Rock area. Includes several members locally separated by angular unconformities. Older units interbedded with basalt (Tb) are mapped as Gila cg. where sediments exceed volcanic rocks in outcrop area. Max. thickness 1,000+ feet.

Tur — Upper rhyolite
Rhyolite flows and plugs with crystalline and perlitic facies; rhyolite tuffs. Interbedded with Gila cg. Younger than Tertiary basalts (Tb). Much of this unit consists of perlite. Max. thickness 200+ feet.

LOCAL UNCONFORMITY

Tb — Basalt and basaltic andesite
Basalt, olivine basalt, and basaltic andesite chocolate brown to black. Plagioclase phenocrysts common. Locally interbedded with Gila conglomerate. Mapped as Tb where volcanic rocks exceed sediments in outcrop area. Probably includes some post-Gila Quaternary basalt in the SW. part of the quadrangle. Max. thickness 500+ feet.

Tl — Latite
Purple, gray, or reddish porphyritic rock characterized by andesine phenocrysts up to one inch long. Grades upward into basaltic andesite (Tb). May be a large differentiated sill. Max. thickness 300 feet.

UNCONFORMITY

TERTIARY

Tdru — Datil formation, undifferentiated
Rhyolite flows, tuffs, welded tuffs, interbedded with fined-grained brown or gray andesite and latite porphyry. Host to manganese mineralization in Cliff-Gila area. Includes small intrusive bodies. Max. thickness 9,000 feet.

UNCONFORMITY

LATE CRETACEOUS OR EARLY TERTIARY

TKri — Intrusive rhyolite
Rhyolite porphyry plugs and dikes. Age uncertain.

TKm — Monzonite porphyry
Intrusive stock in Burro Mtns. Age uncertain.

TKai — Intrusive andesite
Andesite porphyry plugs and dikes in Burro Mtns. Age uncertain.

UPPER CRETACEOUS

Kv — Virden formation
New formation name. Type locality in sec. 16, T. 18 S., R. 20 W. Fanglomerate, fluvial conglomerate, tuffaceous sandstone, and gray shale. Contains plant fossils tentatively dated as late Cretaceous. Contains boulders of Cretaceous volcanic rocks altered by Stage 1 hydrothermal alteration. Max. thickness 4,000 feet.

UNCONFORMITY

Kb — Andesite
Flows, tuffs, and flow breccias. Commonly vesicular, amygdaloidal, porphyritic, with small phenocrysts of altered plagioclase and ferromagnesian minerals; chocolate brown, purple, or gray. Partly altered to epidote, sericite, quartz, calcite. Interbedded with rhyolite tuffs and aphanitic latite flows with small biotite phenocrysts. Mineralized in Steeple Rock district. Max. thickness 3,000 feet.

Kr — Rhyolite
Porphyritic rhyolite flows or welded tuffs, locally underlain by conglomerate or fanglomerate. Max. thickness 200 feet.

Kd — Dacite
Flows, tuffs, flow breccias. Upper part grayish green, coarsely porphyritic, with conspicuous phenocrysts of andesine, hornblende, biotite. Lower part is darker, has smaller phenocrysts, and is intruded by diabase dikes. Dacite is host to most of the mineralization and Stage 1 hydrothermal alteration in Steeple Rock district.

UNCONFORMITY

Kc — Colorado shale
Marine gray shale and sandstone; contains marine fossils of Coloradoan age. Max. thickness 800 feet.

Kb — Beartooth quartzite
Orthoquartzite, white or pink, unfossiliferous, well-rounded and sorted. Max. thickness 60 feet.

UNCONFORMITY

PRECAMBRIAN

Pcg — Granite
Coarse microcline granite; includes undifferentiated Precambrian in SE. corner of quadrangle.

Pcm — Metamorphic rocks
Schist, gneiss, hornfels, and migmatite. Includes Bullard Peak and Ash Creek series of Hewitt (1959).

Mine or prospect

Ag Silver
Au Gold
Co Cobalt
Cu Copper
F Fluorspar
Mg Magnesite
Mn Manganese
Ni Nickel
Pb Lead
Ra Radioactive minerals
R Ricolite (serpentine ornamental stone)
S Stone
U Uranium
Zn Zinc

Note: Diatomite occurs in Gila cg NW. of Cliff, clay in Gila cg on S. side of Gila River opposite Virden, perlite in upper rhyolite (Tur) W. of Cliff.

Normal fault, dashed where inferred. Each unconformity is believed related to a period of normal faulting.

Reverse fault

Axial trace of anticline

Axial trace of syncline

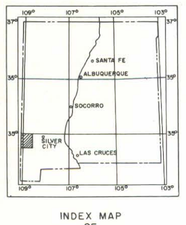
Dip and strike of sedimentary and volcanic rocks

Dip and strike of foliated rocks

Strike of vertical foliated rocks

Stage 2 hydrothermal alteration (Late Tertiary or Quaternary). Associated with manganese mineralization. Bleaching, iron staining, silicification, clayey alteration of Tertiary rhyolite (Tr) southeast of Cliff; opalization of Gila conglomerate (Tg) west of Red Rock. Alteration of Tr and Tg may have occurred at different times. Alteration not associated with intrusive rocks, but occurs with hot-spring travertine in Tg.

Stage I hydrothermal alteration (Late Cretaceous). Associated with Cu, Zn, Pb, Au, Ag mineralization in Steeple Rock mining district. Affects dacite (Kd) and andesite (Ka). Silicification and brecciation near veins; widespread sericitization. Intimately associated with small plugs and dikes of banded intrusive rhyolite, not separately mapped.



INDEX MAP OF NEW MEXICO