PERCUSSION DRILLING PROJECT
ROSEDALE MINING DISTRICT
Socorro County, New Mexico
Perry, Knox & Kaufman
June 2, 1976

NM Mine File No.5673

PERCUSSION DRILLING PROJECT

ROSEDALE MINING DISTRICT

Socorro Co., N.M.

Project Geologist

Sample Descriptions and
Illustrations -
Geologist - .

June 2, 1976

N.M. Bureau of Mines
& Mineral Resources
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PERCUSSION DRILLING PROJECT, ROSEDALE MINING DISTRICT, SOCORRO COUNTY, NEW MEXICO

SUMMARY

A drilling program designed to test indicated gold-silver mineralization occurring in two veins in the Rosedale Mining District was initiated on April 24, and terminated May 10, 1976. Eight percussion holes were drilled - total 1472 feet. This drilling has indicated a weakening vein structure at the north end of the Rosedale vein. Results of drilling at the north end of the Bell vein are inconclusive. Five holes, totalling 570 feet, were drilled at the south end of the Bell vein. Three of these holes tested vein material characteristic of the ores extracted from the Rosedale mine. Difficulties in obtaining good samples were often encountered due to hole caving. Assays of drill cuttings received to date indicate minor to trace amounts of gold. No ore was revealed by the drilling, but the presence of a strong mineralized vein structure has been established at the south end of the Bell vein.

LOCATION

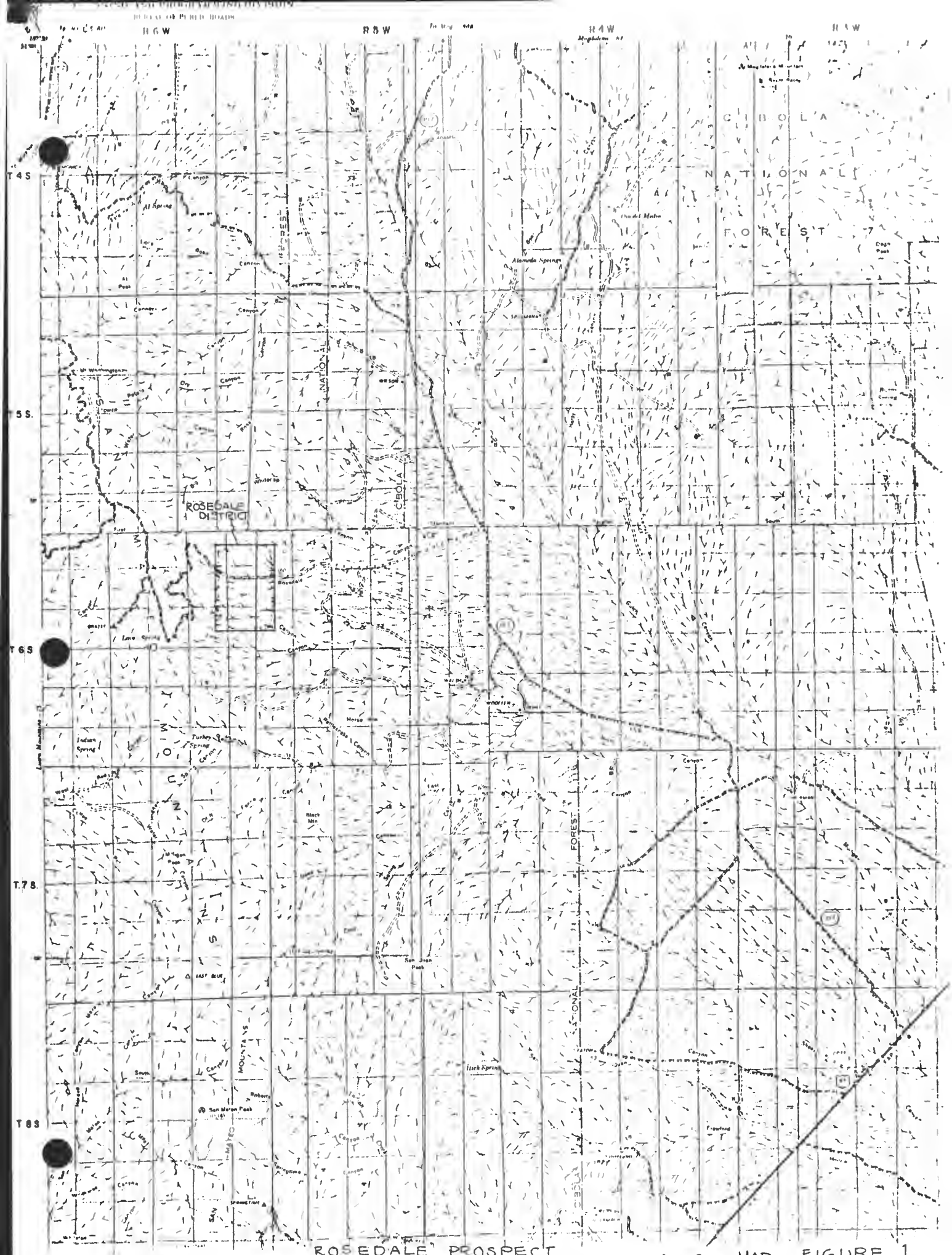
The Rosedale Mining District is located in Secs. 6 and 7, T6S, R5W, and Secs. 1 and 12, T6S, R6W, N.M.P.M.; in Rosedale Canyon of the San Mateo Mountains. The District is situated about 25 road miles SSW of Magdalena, N.M. (See Fig.1).

BACKGROUND

Gold was mined from the Rosedale vein during several periods between 1886 and 1937. Incomplete data indicate that approximately 70,000 tons ore grading 0.30 - 0.35 oz/ton Au, with some silver, was produced. The mine was worked continuously from 1886-1911 and from 1913 until fire destroyed the surface structures and shaft timbers in 1916. Rosedale Gold Mines, Ltd. of Vancouver, Canada, obtained the property in 1935. This company produced approximately 50,000 tons of ore of undetermined grade until the mine closed in 1937.

PKK first examined the Rosedale area in May, 1975, as part of a state wide exploration program we are conducting, on a consulting basis.

Geochemical sampling and geologic mapping indicated the presence of areas along the veins that could contain $\pm 1\frac{1}{2}$-2 million tons of gold-silver ore. Property acquisition followed the initial studies and the ground now held consists of the 50 unpatented claims (ROS group) of Superior-General Crude, and two patented claim groups under lease or option. The reader is referred to PKK reports dated June 13, 1975, September 16, 1975, December 29, 1975 and February 3, 1976, for more detailed background information.



ROSEDALE PROSPECT
SOCORRO COUNTY, NEW MEXICO — LOCATION MAP FIGURE 1

PROPERTY

PKK staked and validated 50 lode mining claims in the District during September, 1975. Agreements were concluded with the owners of two critical patented parcels. An additional agreement with the owner of patented land around Oak Springs provided access to the SW side of our unpatented claims block (S. end Bell vein). The properties and payment schedules under the various agreements are summarized below. The reader is referred to our attorney's letter opinion dated March 12, 1976 (Lacy to Perry), and to Figure 10 for a better understanding of the property situation.

SUMMARY OF AGREEMENTS

Area: Rosedale Mine (Harry R. Ralston)
Property: Two patented lode claims, one patented millsite - total 44.03 A.
Option Agreement: dated February 7, 1976 - TPP $175,000.
Payment Schedule: $2000 initial payment, $3000 due Aug. 7, 1976 -- escalates to $10,000/yr. in 3 yrs. -- or 5% NSR all toward TPP.

Area: Bell Mine (Chas. F. Headen)
Property: Three patented lode claims - total 52.42 A.
Lease Agreement: dated February 13, 1976
Payment Schedule: Initial payment $1500, $2000 due Aug. 13, 1976 -- escalates to $10,000/yr. in 10 yrs. or 3.5% NSR no end payment.

Area: Oak Springs (Tigner Cattle Co.)
Property: Patented ranchlands
Agreement: Trespass rights, road building rights and right of first refusal to purchase portion of patented lands in area of interest - for 10 years.
Payment Schedule: $750 outright - paid 5/19/76, $150/yr. for 10 years (subject to cancellation by PKK or assigns).

OBLIGATIONS ON US FOREST LANDS

We are obligated under the existing USFS regulations to reasonably rehabilitate and revegetate with grasses any roads or other surface disturbance created on Forest land. The regulations also require that we submit, in advance of any work, an operating plan describing the proposed work and detailing our methods of restoration. The Forest Service was unable to expeditiously process our original operating plan. Work performed to date was under a special use permit.

GENERAL GEOLOGY

The Rosedale and Bell structures are strong epithermal veins occurring in rhyolitic ash flow tuffs, along the southeast side of the Mt. Withington cauldron. The veins are separated by about one mile. Each vein occupies a N10-15W fault zone of through-going nature.

The Rosedale vein is traceable for a distance of about 7500 feet (Figure 2). At the Rosedale Mine the vein forms a prominent outcrop that is characteristically a zone of shattered, brecciated and sheared rhyolite tuff laced by porcellaneous quartz veins and chalcedony stringers up to six inches thick that form a zone as much as 50 feet wide. Weaker quartz veining and silicification may occur locally out from the indistinct vein footwall for an additional 75 feet. Rock of this nature forms a body approximately 1200 feet long in the vicinity of the Rosedale shaft. The southern extension of the Rosedale vein is exposed only locally. It is generally marked by zones of shattered, silicified and pyritized rhyolite or by shear zones with scattered fluorite and MnOx.

The Bell vein outcrops boldly only near the Bell adit (Figure 2) where it forms a bluff of sheared, silicified rhyolite and vein quartz. The vein generally follows a post-mineral fault and is largely covered by colluvium along its southern trace. Where uncovered by our drill road construction at its southern end, the Bell vein consists of a zone of strong porcellaneous quartz, with locally heavy MnOx staining. It is approximately 15 feet wide, bordered on the east by a zone of silicified rhyolite with interlacing quartz stringers. This zone gradually grades into less well silicified wallrock. A wide zone of intramineral breccia occurs adjacent to the southern end of the Bell vein (Figure 2). This breccia is characterized by slightly silicified kaolinitic rhyolite fragments containing minor amounts of disseminated pyrite in a matrix of extremely iron-stained rock flour and microbreccia. Fairly large areas of fractured and silicified rhyolite are associated with these breccias in the Oak Spring area.

Alteration of the rhyolitic country rock consists of bleaching which increases in intensity and is accompanied by variable amounts of oxidized pyrite as the veins are approached. No intrusive rocks are known in or near the District.

NATURE OF GOLD MINERALIZATION

In those portions of the Rosedale Mine where ore was extracted, the gold occurred generally in an ill-defined quartz vein comprised of massive to anastomozing waxy-lustered horn quartz and rhyolite-quartz breccia. Gold was reportedly found to occur both in the greenish horn quartz and the breccia, but not always in both, when both were present (Metzger, 1938). The bulk of the gold was spotty and occurred in high-grade streaks on either side of the vein. At the Rosedale, ore-grade material was stoped from about 75-100 feet below the surface to a depth of 725 feet. The better-grade gold appears to have occurred in a more-or-less shoots characterized by the presence of greenish and reddish horn quartz, some disseminated pyrite (oxidized), manganese oxides and, occasionally, fluorite and silicified relicts of barite and calcite. The ore formed two shoots arranged along strike, with a narrow zone of low-grade material intervening. The shoots coalesced at depth to form a single body approximately 200 feet long that extended below the 725 foot level, the lowest workings in the mine.

In detail, the gold is seen to occur as minute flecks and films generally associated with a distinctive reddish hematite-limonite along fractures, in small vugs, in banding in the horn quartz, and in two cases, as tiny grains in a cube of limonite after pyrite(?). No gold coarser than 0.1-0.2mm has been observed. Little is known of the mode of occurrence of silver at Rosedale, but it is always present -- in our sampling in amounts generally exceeding that of gold.

Metzger, O. H.; Gold Mining in New Mexico, USBM IC-6987 (1938)

OBJECTIVE OF DRILLING PROGRAM

The objective of the drilling program in the Rosedale District was to test areas along the Rosedale and Bell veins where previous geochemical sampling had indicated the possible presence of mineralization similar to that developed in the Rosedale Mine (i.e. 0.30-0.35 oz/ton Au with some silver). Drill holes were laid out to test possible extensions of mineralized shoots in the old Rosedale workings, to probe the possible mineralization beneath the Bell adit and to explore the areas of favorable-looking vein quartz south of the Bell workings. Geochemical surveys had established that rocks over each of these areas contained gold and silver in amounts similar to those found over the old Rosedale workings (±0.1-1.0+ppm Au, +1.0ppm Ag).

LIMITS OF EXPLORATION

The program was limited to a test of three of the five areas of interest because of a possible property conflict covering an area south of the Rosedale Mine. One of the zones of interest not tested is an area of silicified, pyritized rhyolite located at the junction to two structures. The other is a wide shear zone containing considerable fluorite, manganese and vein quartz.

Figure 2 shows the anomalous areas and drill hole locations.

DRILLING AND SAMPLING PROCEDURE

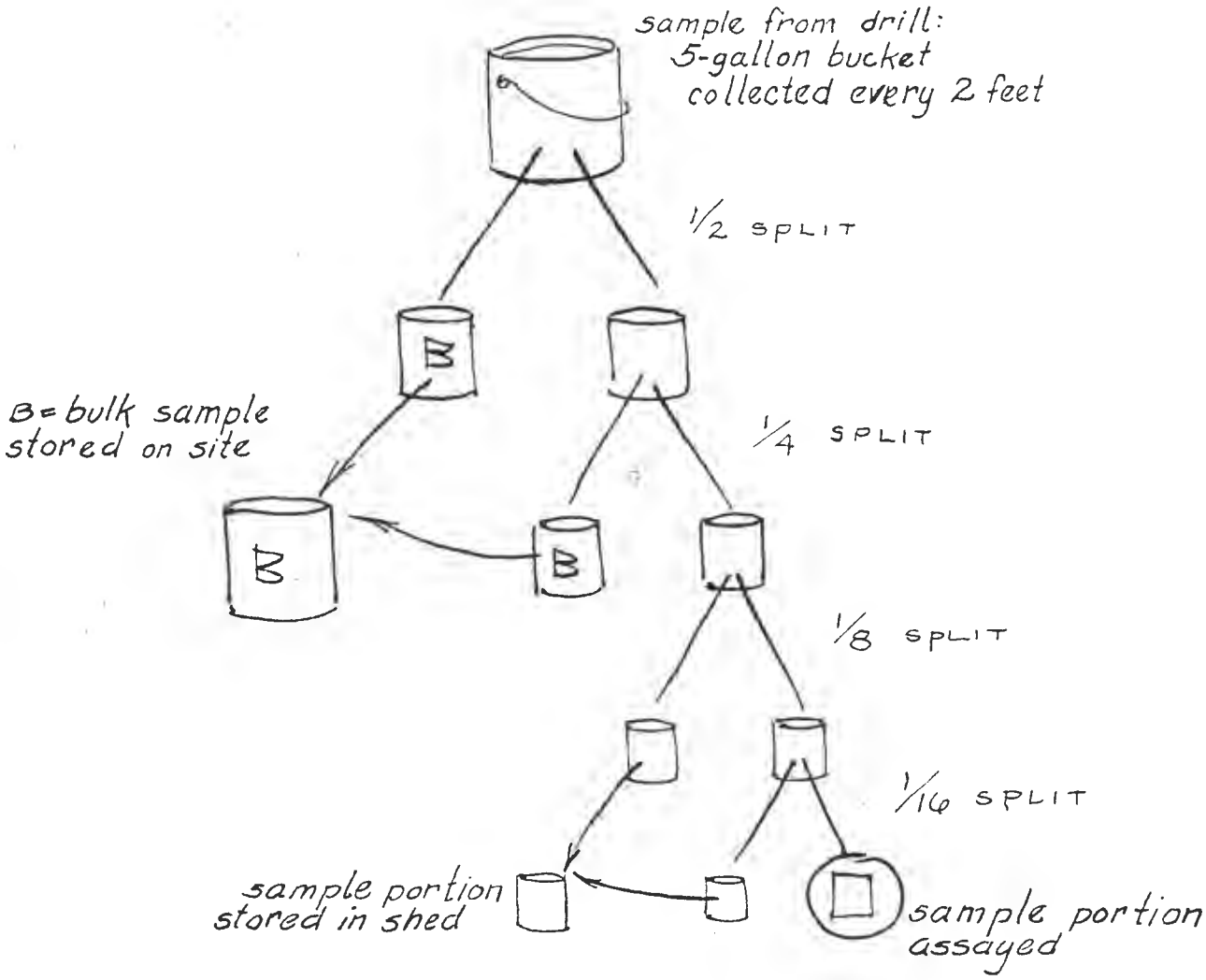
At each drill site a relatively flat pad was constructed. The contractor, Hank Avery Drilling Co., of Midland, Texas, provided a track-mounted diesel hydraulic percussion drill equipped with a five-inch, down-the-hole hammer and a truck-mounted compressor. The drill boom can be rotated about two axes to achieve the desired hole attitude from almost any set-up. The contractor supplied a driller and two helpers. PKK provided a supervisor, a geologist to log the samples and two men to handle on site sample splitting. At least two persons were required to work the samples because of the extreme rapidity at which the drill occasionally advanced (+2 ft/min.).

An 8 inch diameter hole was drilled approximately $6\frac{1}{2}$ feet deep to accomodate a $6\frac{1}{2}$ inch collar pipe and tee. The hole was blown as clean as possible. A 4" diameter flexible hose was attached to the tee to transport air-blown cuttings to a cyclone from which samples were collected in 5-gallon metal buckets. The samples were reduced in size through Jones splitters and a sample weighing about 10 pounds was saved for analysis. Figure 3 illustrates the sample splitting procedure.

In some cases oversized samples were collected, such as where there was caving from the upper part of the hole or collapse of the hole around the bit. The oversized samples were split and bagged separately and the anomalous amounts noted by the logging geologist.

DIAGRAM :

SAMPLE SPLITTING PROCEDURE



Note: Procedure repeated from bulk sample stored on site. The resultant extra ±10# sample is marked with an X suffix and stored in our shed at Magdalena.

FIGURE 3.

LOGGING PROCEDURE

A small handful of the drill cuttings was collected from each sample interval. These cuttings were examined in a small glass dish, on site, by PKK geologist, N.I. Colburn, using a 10 power hand lens. The purpose of this logging was to provide information concerning rock type, alteration, quartz mineralization typical of the exposed veins and metallic and oxide mineralization. The summary of this data was used to determine which intervals should be assayed. The accuracy of this type of logging is necessarily limited by such factors as: the limited time available to inspect each sample, size of the sample, experience of the logging geologist and our inexact knowledge of the geometry and appearance of the vein at depth. Ms. Colburn's field logs are attached as appendices to this report. They contain some data not critical to drill hole evaluation.

Cuttings from the vein zones were seen to contain substantial amounts of waxy-lustered horn quartz, vari-colored porcellaneous quartz and chalcedony stained with Mn and Fe oxide. Samples from the central parts of the veins contain as much as 75% vein quartz and silicified microbreccia broken into fragments less than one centimeter in maximum dimension. Cuttings from the walls of the central vein generally are a mixture of rhyolitic rock fragments less than 0.5 cm in any one dimension, containing less than 15-20% varicolored porcellaneous quartz or chalcedony. The quartz veinlets can sometimes be seen to cut the larger rock fragments; but quartz was generally present in discrete chips. Iron oxides were present in all mineralized areas as coatings and in cube-shaped psuedomorphs after pyrite.

The maximum fragment size decreased rapidly with depth or intensity of silicification; often consisting primarily of rock powder and fragments less than 5-10mm in diameter. Fragment size generally greatly diminished from depths greater than 100 feet.

DESCRIPTION OF DRILLING PROGRAM

Road Building: The construction of access roads and drill pads commenced on April 13, 1976, using an all-hydraulic TD-25B dozer with ripper. Due to the extremely rugged terrain and lack of soil cover at the south end of the Bell vein, a two-man blasting crew was required to supplement the bulldozer. All road work was completed on May 5, 1976, after a delay of several days due to dozer breakdown.

Drilling: Drilling commenced on April 24, at a location at the north end of the Rosedale vein (see Fig. 2, 4 and 5). The hole (RP#1) was oriented so as to intersect the vein at a depth greater than 400 feet. The eastern edge of the vein, which is a complex zone of anastomotic porcellaneous quartz veins and rhyolite fragments at the surface, was encountered at a drill depth of approximately 350 feet and extended irregularly to about 494 feet, giving a total true width to the zone of approximately 50 feet. Some caving occurred from the top of the hole especially around the 445 foot interval.

The drill was then moved to a position on the northern end of the Bell vein (see Figures 2 and 6). It was directed to intersect the vein about 300' down dip. The hole was oriented S35W at -35°. This hole (RP-2A) caved badly from the outset and was abandoned after drilling 28 feet. A second set-up was made approximately 10 feet southeast of 2A. This hole (RP-2) oriented at S41W -35°. RP-2 was drilled with only minor difficulty to a depth of 92 feet. A small sample was returned for the intervals 94-96, 98-100 and a very large one from 100-102. The drilling was stopped and the hole cleaned thoroughly using a slight water mist. A piece of aluminum casing approximately 6 feet long was added to the collar pipe and drilling resumed. There was possibly some caving from around the collar, from 104-116 and the drilling was stopped.

In view of the fact that this area of the Bell vein appeared to have some considerable potential as an ore zone, a third attempt (RP-3) was made to penetrate the zone (Figure 6). The drill was moved approximately 11 feet to the SE and collared in bedrock. The hole was oriented at S41W, -35°, parallel to RP-2. Little trouble was encountered to a drill depth of 206 feet, at which point a larger than normal sized sample was obtained, and after which several of the samples were smaller than normal. The cuttings at this time were very fine and it was felt that the dust was not clearing the hole properly. A small amount of water was injected to aid in cleaning and some better return was achieved. Caving again occurred at a depth of about 275 feet, about 75 feet short of the anticipated vein zone. Because so much time and money had been expended on the three efforts at the site and because orienting the hole at a significantly steeper

angle (greater than 45°) would have caused the vein to be intersected at the practical limits of the drill (±500 feet), it was decided to abandon the site.

The drill was moved to a site approximately 550 feet south of the old Rosedale shaft and several attempts were made to explore the southward continuation of the Rosedale orebody. All attempts to collar holes at this site failed. It was finally realized that the drill and crew were severely limited when any unusual drilling conditions were encountered. They were unable to cope with any thickness of alluvium, were not trained to drive casing and did not have the capability to deal with adverse hole conditions.

We felt that, knowing the limitation of the contractor, we could probably still get some valid test of the vein at the south end of the Bell vein system if we collared in bedrock and inclined -60° or greater from the horizontal.

The drill was moved to a position north of Oak Spring (Figures 1, 2 and 8). RP-4 was a test of a heavily iron-stained and brecciated rhyolite. The hole was oriented N71W at -55° to test the character of the breccia at depth. Minor porcellaneous quartz and abundant iron oxide were found in the cuttings. Some pyrite was seen at 126-128, although the majority of the rock is extremely oxidized. The hole was successfully completed at a depth of 148 feet. Assays indicate that only trace amounts of gold and silver were encountered between 86 and 110 feet. The remainder of the rock penetrated was barren.

Hole RP-5 was positioned about 1500 feet NNW of RP-4 (see Figure 7). It was oriented N34E at -70° to cut the southern Bell vein, a wide, heavily silicified structure with abundant horn quartz, at a depth of approximately 165 feet. The hole was collared in several feet of moderately compacted gully fill and was drilled to a depth of 86 feet, after which some contamination from surface material was noted. Good vein material was noted at 96 feet. The hole was abandoned at 114' because of extreme caving around the collar. Assays of somewhat contaminated vein material indicate minor amounts of gold and silver from 98-102 feet and traces of gold and silver on either side of that interval.

Hole RP-6 was positioned approximately 180' SE of RP-5 (Fig. 7 and 9). It was oriented E at -70° to test the Bell vein approximately 100 feet down-dip. Good vein material was encountered at depths of 72-82 and 98-120 with lesser amounts on either side of these intervals. Heavy caving from a faulted zone on the hanging wall of the vein at 72 feet resulted in some unusually large samples in the interval 72-78. Drilling was stopped at 76 feet to clear the hole and some

water injected in an attempt to pack the walls. Drilling was resumed the following day and little additional caving was apparent. The hole was terminated at a depth of 154 feet after passing thru a split vein of approximately 25-30 feet true thickness and perhaps 10-15 feet of less favorably mineralized footwall. Assay results indicate minor amounts of gold and silver were present in the sample 74-78 and trace amounts of the metals were found in the other areas of good quartz mineralization.

Hole RP-7 was collared to the NW of RP-6, and approximately 95 feet SE of RP-5, in another attempt to test the vein to the north (see Fig. 9). The hole was oriented N86E at -75°. It was collared just west of the hanging wall of the vein and was drilled to a depth of 58 feet (see Fig. 7 and 9). Vein was encountered from a depth of 22-58 feet, but very severe caving in that same interval resulted in some very large samples. The hole was abandoned because of severe caving of the vein walls. Assays of these samples indicate that minor amounts (average 0.051 oz/ton Au) of gold and silver were present over the interval 28-50 (see attached assays) a true thickness of approximately 10 feet. Trace amounts are present on either side.

Hole RP-8 was collared in the hanging wall boundary of the Bell vein and oriented N86E at -75°, from a location approximately 50 feet SE of RP-7 (see Fig. 1 and 9). Abundant vein material was encountered from the surface to a depth of about 50 feet. Visible gold was observed in hand sample at a depth of 24'. The hole was terminated at a depth of 98 after passing from vein-type material into bleached rhyolite containing limonite after pyrite at a depth of 78 feet. The drilling project was terminated the afternoon of May 10, 1976, after drilling 8 holes totalling 1472 feet.

ANALYSIS OF THE DRILLING PROGRAM

Although a first review of the assays of the vein intervals would indicate that the results of this drilling project were negative, it is my opinion that the results should be considered inconclusive for the following several reasons:
1) Several of the drill holes collared did not reach their objectives. Only holes RP-1, 6, 7, and 8 tested the vein zone to any extent.
2) Holes RP-2, 3 and possibly 5 were unsatisfactory tests of the veins because of problems involving caving. The contractor did not live up to expectations and was unable to handle hole stabilization problems. The very nature of the percussion drill - a down-hole hammer with extreme vibration characteristics - only added to the problem.
3) Some of the samples from critical vein zones may have been diluted to some degree because of caving.
4) A comparison of the assays from the drill cuttings (results attached) and those gold and silver values obtained in geochemical sampling in vein zones at surface reveals that essentially the same values were obtained by both methods (0.1-3.0 ppm Au and 1-30 ppm Ag).

Larger chip (channel) samples taken across the faulted vein at surface at the southern end of the Bell indicated gold values of the order 0.1-0.2 oz/ton (see report dated Feb. 3, 1976). Assays from drill samples in this area (RP 5-8) generally indicated gold values of 1 ppm or less. The highest grade interval measured in drilling was encountered in RP-7 where the zone 26-50 averaged 1.8 ppm (0.051 oz/ton)Au. The highest values obtained from a single interval were those from 30-32 (3.7 ppm (0.107 oz)). These facts indicate at least two possibilities:

a) There is not a substantial amount of gold in those parts of the Bell vein tested by this drilling program.

b) Most any substantial amounts of gold present was lost from the sample obtained.

Both possibilities may have contributed to the low analyses because of the nature of the gold occurrence in these veins. The fact that the gold in the oxidized portions of the veins in the Rosedale District occurs as tiny grains generally in limonite along fracture surfacesin horn quartz is a factor that may not lend itself to evaluation by percussion drilling. The hammer drill breaks the rock into small fragments which are then transported by forced air to the top of the hole and thence to the cyclone for sample collection. In general, the rock will tend to break along pre-existing fractures or planes of weakness. The broken fragments are then generally abraded against themselves, the drill pipe, hole wall and collar tee in their trip to the sample bucket. Any gold present on the outer surfaces of the rock chips could easily be dislodged

during this abrasion and the natural winnowing effect of the moving air column might result in its removal from the sample. I believe that this phenomenon may have occurred during the Rosedale drilling and might explain at least in part, the very low tenor of many of the vein samples.

5) The gold in the Rosedale vein has been described (Metzger, 1938) as occurring as small free particles in narrow zones that would in some places favor the hanging wall of the vein and in others would be found along the "footwall" side. This is typical of gold veins of this type and, therefore, it is apparent that the bulk of the gold at any one place would occur over perhaps two or three feet of a zone of horn quartz ten or more feet in width. While the bulk of the quartz might contain small amounts of gold, the mining was supported by the higher gold content in the thinner zone. Obviously, the gold does not occur in a true disseminated fashion that would be suitable for evaluation by one or two drill holes in the most favorable areas.

We can now say, ideally, the first round of exploratory drilling of this type deposit should involve several drill holes (preferably DDH) in each suspected ore shoot to test the vein at different positions along strike and at various levels down-dip.

One would be very fortunate to intersect high grade gold mineralization in one or two shallow holes drilled on each suspected ore shoot.

CONCLUSIONS AND RECOMMENDATIONS

For the several reasons discussed at length in this report, I believe that our recent drilling program at Rosedale has yielded largely inconclusive results. We have indicated that there is no strong vein zone typical of the ore mined in the past, existing at the 450 foot level at the northern end of the Rosedale vein. We were not able to test the vein in north end of the Bell structure because of drilling difficulties, but analyses of samples obtained indicate that the rock bordering the zone of interest contains trace amounts of gold (many time background). This may be evidence that the central zone contains significant gold. The test of the zone at the south end of the Bell indicates that a strong vein exists there, with all of the characteristics of the ore shoots mined in the Rosedale. Samples gathered from this zone during the drilling were low in grade, possibly because of dilution or other reasons outlined above.

Our test of the iron stained breccia zone adjacent to the Bell vein (RP-4) indicates that this rock contains no gold or silver in the interval drilled and deeper or more extensive tests are not warranted at this time.

The percussion drill is apparently an inadequate tool for this type of program and may have been a significant factor in the inconclusive results obtained.

A compilation of all assay and geologic data now indicates that the potential remains to develop approximately 1.5 million tons or ore grading 0.25-0.35 oz/ton Au from at least four possible ore shoots in the District (see Figure 2). These shoots would probably have a maximum width between 10 and 15 feet, be of variable length and would extend below the water table, which appears to be about 750 feet below the surface in this area. Additional potential exists for ore below the water table and there is a good possibility that some silver enrichment may have occurred at that level, as the upper part of the veins are thoroughly leached.

Should a target of the size described above continue to be of interest to Superior and General Crude, I would recommend that the area at the south end of the Bell be further tested utilizing a skid mounted diamond drill. Set-ups should be planned at at least two locations along the strike of the zone and fanned to test the vein at various levels. To drill two holes at each location to test the vein at levels 150 feet and 300 feet below the surface would require a minimum of 1200 feet of drilling at a direct drilling cost of approximately $18,000. This program should provide an adequate test of the vein at this location.

RP - 1

VEIN INTERVAL	FeOx INTERVAL
354', 366', 378'	356 — 376'
384'	
390 — 418'	394 — 406'
	416 — 420'
424 — 432'	424 — 446'
436 — 488'	478 - 492'

TOTAL DEPTH: 508'

HOLE #: RP
BEARING: S58W
INCLINATION: -65°
T.D. 508'
GEOLOGIST: N. COLBURN
DATE: 4/29/76
PROJECT: ROSEDALE, N. MEX.

RP-1

INTERVAL (FEET)	MAIN ROCK TYPES: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	"QUARTZ" VEIN TYPES: HD INFERRED/DEFINITE	CLEAR CRYSTALLINE	W/C WHITE/CREAM "OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	"PINK"	ALTERATION: BLEACHING SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	CLEAR FELDSPAR WHITE FELDSPAR	OTHER	FeOx: FeOx	BRIGHT RED OR RED	ORANGE OR SALMON	DARK RED	CHROME-YELLOW	LIMONITE-OCHRE	AFTER PYRITE	CLUSTER	R/M/V RIM/MATRIX/VEI.	MnOx	VEINLETS FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITES (PS PSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	POMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	Au
19-20	X	-									?		√			-																		unaltered, brown-red color		
20-22	X												√			√																		red-brown color		
22-24	X									tr			√			√			√√			R							?					red-brown color		
24-26	X√									√-						√√			√√															H. red brown color		
26-28	X?									√-	?					√ multi color								√-								√		red brown color		
28-30	X									√	√		√			√√-√			√															pale red-brown color		
30-32	X√									√-	√-	√	√											√-										red-brown color		
32-34	X									√-	√-					√																		red brown color		
34-36	X									√	√					√								√												
36-38	X	tr								√						√+			√√															well altered		
38-40	X										√+					√+																√		red-brown color well-altered		
40-42	X√									√-	√-					√																		mix color - H+dk reds.		
42-44	X√									tr	√-					√			√										√			√		red-brown color		
44-46	X√-	I								√+	√+					√																		mix color well-bleached"		
46-48	X √	I								√	√+					√																				
48-50	X√									√+	√+					√																				
50-52	X??									√	√+					√																				
52-54	X√√	I								√	√+					√			√√					√-										medium gray color		
54-56	X√√	I								√	√+					√√			√√																	
56-58	X									√	√+					√√			√	√												√				
58-60	X									√-	√+					√																		gray color		
60-62	X									√-	√					√√			√√																	
62-64	X									√-	√+					√																				
64-66	X ?															√ mix colors								?												

HOLE #: RP-1
BEARING: S58W
INCLINATION: -65°
T.D. 508'
GEOLOGIST: N. I. COLBURN
DATE: 4/24/76
PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	ROCK TYPES: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	"VEIN QUARTZ": RD INFERRED/DEFINITE	CLEAR CRYSTALLINE	W/C WHITE/CREAM "OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY BEIGE	"PINK"	ALTERATION: BLEACHING SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ 'EYES'	DARK OR BLACK QTZ 'EYES'	CLEAR FELDSPAR	WHITE FELDSPAR	OTHER	FeOx: FeOx	BRIGHT RED OR RED	ORANGE OR SALMON	DARK RED	CHROME YELLOW	LIMONITE-OCHRE AFTER PYRITE	CLUSTER R/M/V	RIM/MATRIX/VEIN	MnOx	VEINLETS, FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITE (PSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	POMICE-GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICROBRECCIA	NOTES	ASSAYS (ppm) Ag	Au
66-68	X	✓	✓	I						✓	✓+							✓							?												
68-70	X									✓+	✓		✓					✓							✓-												
70-72	X									✓+	✓+		✓					✓	✓	✓		✓		R							✓						
72-74	X		✓	I						✓+	✓+							✓	✓			✓		R							✓			✓			
74-76	X									✓+	✓+		✓					✓			✓	✓															
76-78	X	✓									✓							✓+																		m/x dk red & gray-white		
78-80	X		✓	I							✓+	✓						✓+		✓																dk. red color		
80-82	X									✓	✓+							✓		✓		?	✓														
82-84	X										✓+							✓+																				
84-86	X									✓	✓+							✓																				
86-88	X									✓	✓+							✓+							✓												
88-90	X									✓	✓+	✓						✓	✓		✓	✓														dust: salmon-gray		
90-92	X									✓	✓							✓																		very well-altered		
92-94	X									✓-	✓+							✓																		red-brown color		
94-96	X										✓+							✓-																		dust, lilac red-brown color		
96-98	X									✓-	✓+							✓-							?											red-brown color		
98-100	X									✓	✓±							✓							✓-											dust: slightly yellower red-brown-gray color		
100-102	X									✓✓	✓+	✓		✓				✓													✓					alt. fragments		
102-104	X									✓-	✓+							✓																		red-brown color		
104-108	X	✓	✓	I						✓+	✓+							✓✓			✓	✓														m/x color 4-ft sample		
108-110	X	✓	?	I						✓	✓+							✓✓			✓	✓														m/x color		
110-112	X	✓			✓					✓	✓+							✓							✓														
112-114	X	✓								✓	✓+							✓													✓					red-brown-gray color		
114-116	X									✓	✓							✓-							✓						✓	✓				red-purple color		

HOLE #: RP-1

BEARING: S 58 W T.D. 508'
INCLINATION: -65°

GEOLOGIST: N. COLBURN

DATE: 4/24-25/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	TYPE: RHYOLITE	TYPE: MICROVEINLETS	TYPE: VEIN QUARTZ	"VEIN QUARTZ": I/D INFERRED/DEFINITE	"VEIN QUARTZ": CLEAR CRYSTALLINE	"VEIN QUARTZ": W/C WHITE/CREAM	"VEIN QUARTZ": "OPAL" CHALCEDONY	"VEIN QUARTZ": G/Y GREEN/YELLOW	"VEIN QUARTZ": A/E GRAY/BEIGE	ALTERATION: BLEACHING SPOTS OR ZONES	ALTERATION: SILICIFICATION	ALTERATION: CLEAR QTZ EYES DARK OR BLACK QTZ EYES	ALTERATION: CLEAR FELDSPAR WHITE FELDSPAR	ALTERATION: OTHER	FeOx: FeOx	FeOx: BRIGHT RED OR RED	FeOx: ORANGE OR SALMON	FeOx: DARK RED	FeOx: CHROME YELLOW	FeOx: LIMONITE - OCHRE	FeOx: AFTER PYRITE	FeOx: CLUSTER R/M/V	FeOx: RIM/MATRIX/VEINLETS	MnOx	OTHER: VEINLETS, FRACTURES	OTHER: FLUORITE (GREEN/PURPLE)	OTHER: CALCITE/BARITE (PSEUDO)	OTHER: OTHER	FURTHER CHARACT.: VUGGY	FURTHER CHARACT.: PUMICE - GLASS SHARDS	FURTHER CHARACT.: LITHIC FRAGMENTS	FURTHER CHARACT.: EUTAXITIC TEXTURE	FURTHER CHARACT.: MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	ASSAYS (ppm) Au
116-118	X	√								√	√	√				√								√						√		√	dust: tan		
																																	red-purple-gray color		
118-120	X	√								√-	√-	√				√														√		√	red-brown color		
120-122	X	√								√	√					√																	April 25, 1976 —		
122-124	X									√+	√					√																	rock soft		
																																	mix - ½ gray color		
124-126	X									√	√+					√	√		√	√															
126-128	X									√	√+					√					√										√		brown-gray color		
																																	dust: gray		
128-130	X									√	√+					√																	red-brown-gray color		
130-132	X	√								√	√+	√				√																	dust: gray		
132-134	X	√+									√+	√				√								√								√	red & gray color		
134-136	X									√-	√+	√				√																	mottled color		
136-138	X	√-								√+	√					√	√		√	√										√		√	dust: tan		
138-140	X									√-	√					√														√		√	red-brown color		
140-142	X	√								√	√+					√-				√		R								√					
142-144	X	√								√	√				BIO?	√																			
144-146	X									√	√			√		√						R		√-								√	dust: tannish		
146-148	X									√+	√+					√	√		√	√				√									dust: med-dk tan		
																																	mix color		
148-150	X	√	D							√+ √	√+					√			√					√									dust: yellow-tan		
150-152	X									√+ √	√+					4																	dust: orange-tan		
																																	mix color		
152-154	X									√+ √	√+					4			√	√				√									mix color		
154-156	X									√+	√+					√			√	√	√												dust: yellow tan		
																																	mix color: yellow predom.		
156-158	X									√	√+			√		4 √			√	√	√			√-									mix color		
158-160	X	√								√+	√					√ √			√	√	√												dust: tan		
																																	brown color		
160-162	X									√+	√	√				4																	brown color		
162-164	X									√-	√					√														√		√	brown-gray color		

HOLE #: RP
BEARING: S58W
INCLINATION: −65°
T.D. 508'
GEOLOGIST: N. COLBURN
DATE: 4/25/76
PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN ROCK TYPE: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	ID INFERRED/DEFINITE	CLEAR CRYSTALLINE	W/C WHITE/CREAM	"OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	"STAIN"	ALTERATION: BLEACHING SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	CLEAR FELDSPAR WHITE FELDSPAR	OTHER	FeOx: BRIGHT RED OR RED	ORANGE OR SALMON	DARK RED	CHROME YELLOW	LIMONITE - OCHRE	AFTER PYRITE	CLUSTER	R/M/V RIM/MATRIX/VEINLET	MnOx: VEINLETS, FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITE (PE PSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	POMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	AU
164-166	X										√-	√	√			√								√-						√		√	dust: lt. tan		
166-168	X	√									√+	√				√	√		√	√				√-									dust: med. tan mix yellow-brown color		
168-170	X										√+	√				√			√	√				√	√								dust: med-dk. tan (moist) yellow color		
170-172	X										√+	√+				√	√		√	√				√						√		√	dust: yellow tan aft. intense yellow; some red-brown color		
172-174	X	√	D					Y			√+	√+				√								√-							W		mix color. first good vein qtz		
174-176	X										√+	√+				√			√	√	√			√									mix color: yellow gray-brown		
176-178	X										√+	√+				√	√			√				√-									dust: orange gray orange color		
178-180	X	?	D	?							√+	√				√	√	√	√	√	?			√				?					mix orange & red-brown color seeds of FeOx in qtz		
180-182	X										√	√				√-			√	√				√							?		dust: tan mix yellow & red-brown color		
182-184	X										√	√+				√-								√							√		dust: gray-tan red-brown color		
184-186	X										√-	√+				√-								√									dust: gray mix red-brown color		
186-188	X	√	√	I							√	√+				√+	√		√	√				√-									dust: tan mix color		
188-190	X										√-	√				√	√																dust: gray red-brown color		
190-192	X	?	√	I							√	√+				√								√									dust: yellow-tan mix color		
192-194	X										√+	√+				√+	√	√	√	√				√									dust: orange highly altered		
194-196	X	√	√	I							√+	√				√+	√		√	√				√-									dust: orange dark-orange color		
196-198	X										√+	√+				√+	√							√-									dust: orange tan orange color		
198-200	X	√	√	D		W			A		√+	√+				√+	√							√-							√		dust: dk. orange (moist?) dark-orange color		
200-202	X										√+	√+				√+	√	√	√					√-									dust: dk orange red color		
202-204	X	√	√	D							√+	√+				√+	√	√	√									?	?				dust: dk orange red color. brece' con clas		
204-206	X	√		D		W					√+	√+				√+	√	√				R									√		mix red & white color		
206-208	√	√	MY	D	√	W		Y			√	√+				√+	√	√				R		√-							√		dust: orange tan mix red & white color		
208-210	X										√+	√+				√+	√	√				R		√-							√		dust: dk. orange mix red & white color		
210-212	X	√	√	D	√	W					√+	√+				√+	√	√				R									√		mix red + white color.		

HOLE #: RP

BEARING: S58W T.D. 508'
INCLINATION: -65°
GEOLOGIST: N.I. COLBURN, R.B. BLAKESTAD
DATE: 4/25/76
PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN ROCK TYPE: RHYOLITE	MICROVEINLETS	VEIN QUARTZ: 1D INFERRED/DEFINITE	CLEAR CRYSTALLINE	W/C WHITE/CREAM	"OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	"PINK"	ALTERATION: BLEACHING SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	CLEAR FELDSPAR	WHITE FELDSPAR	OTHER	FeOx: BRIGHT RED OR RED	ORANGE OR SALMON	DARK RED	CHROME YELLOW	LIMONITE - OCHRE	after PYRITE	CLUSTER R/M/V	RIM/MATRIX/VEIN	MnOx: VEINLETS, FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITE (PE PSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	POMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	AU
212-214	X	V	V	I		W		E		#	#					#	V	V		V		R							?					dust: orange-tan white & red color		
214-216	X	V	-	I		W				#	#					#	V			V	V												dust: yellow tan white & red color		
216-218	V	-V	>	D		W				#	#					V	V			V	V			V-									dust: tan		
218-220	V	-V	>	D		W				#	#					V	V			V	V												white, gray and red color gray color VEIN		
220-222	V	V	<	I		W				#	#					#	V			V	V			V-									dust: yellow tan pink-gray color		
222-224	X	V	?	I		W				#	#					#	V			V	V			V-									pink And white color		
224-226	X	V	?	I	?	W		A		#	#					#	V			V	V			V-											
226-228	V	-V	V	I	V	W				#	#					V																	dust: tan white pink & tan color		
228-230	V	-V	>	D	V	W			V	"	"					#	V	V	V	V	V			V-									VEIN COMPLEX		
230-232	V	+V	>	D	V	W			V	"	"					#	V	V	V	V	V															
232-234	V	-V	>	D	V	W	Y G		V	"	"					#	V	V	V	V													dust: tan		
234-236	V	-V		D	V	W			V	"	"				yellow unknown	V	V		V	V	V			V-									dust: tan		
236-238	V	-V	>	D	V	W	Y	A		"	"					V	V	V			V	V		V-									gray color, some red. VEIN		
238-240	V	mix				W				#	#					V																	dust: gray tan COMPLEX		
240-242	V	mix				W				#	#					V								V									(RBB. begins)		
242-244	V	mix								V	V+					V								V-									red-gray color		
244-246	V	mix				W				V	V+					V								V-									Less quartz red-gray color		
246-248	V	mix				W				V	V+					V								V-											
248-250	V+	V				W				V	V+					V								V-											
250-252	V+	-								V	V+					V								V-									Less quartz		
252-254	V+	-								V	V+					V								V-									red-gray color		
254-256	V+	-								V	V+					V								V-									(RBB ends) red-gray color		
256-258	X	V								V	V+					V	V	V		V				V-									dust tan gray-red color		
258-260	X	V				W				V	V+					V	V	V		V				V-									gray-red color		

HOLE #: RP

BEARING: S58W

INCLINATION: -65°

T.D. 508'

GEOLOGIST: N.I. COLBURN

DATE: 4/25/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN ROCK TYPE: RHYOLITE	MICROVEINLETS	VEIN QUARTZ: ID INFERRED/DEFINITE	CLEAR CRYSTALLINE	W/C WHITE/CREAM	"OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	"PINK"	ALTERATION: BLEACHING SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	CLEAR FELDSPAR WHITE FELDSPAR	OTHER	FeOx: FeOx	BRIGHT RED OR RED	ORANGE OR SALMON	DARK RED	CHROME YELLOW	LIMONITE - OCHRE	GITHER PYRITE	CLUSTER R/M/V RIM/MATRIX/VEI	MnOx: VEINLETS, FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITE (PE PSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	POMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) AS	AU
260-262	X									√	√+				√	√		√					√									dust: TAN gray-red color		
262-264	X√				W				√	√	√+				√+	√	√	√	√				√								√	red-gray color		
264-266	X√+?		I	√				Y		√	√+				√+	√		√	√				√-									dust: tan red-gray color		
266-268	X									√	√+	√			√	√-		√	-√				√-				√					dust: gray, tan gray color		
268-270	X									√	√+				√	√	√		√								√			√		dust: gray gray-red color		
270-272	X									√+	√+					√							√				√			√		gray-pink color		
272-274	X									√-	√+					√							√	√								dust: lilac? tan-pink color		
274-276	X√									√	√+	√				√+											√			√		dust: gray gray-red-tan color		
276-278	X√									√+	√+					√	√	√		√			√	√-								dust: tan gray-pink color		
278-280	X√-		I		W					√+	√+					√+	√		√			√ w. fine grain	√									pink-tan color		
280-282	X									√	√+					√							√									dust: tan pink-tan color		
282-284	X√tr		D	√				Y		√+	√+					√√		√		√	?	√R	√-								√	pink-tan color		
284-286	X√tr			√	W					√+	√+					√							√-	√								gray-pink color near? quartz in		
286-288	X√trD			√				Y		√	√+					√							√-				√			√		increase minerals gray-pink color		
288-290	X√-				W					√+	√+					√+							√+									dust: gray gray-pink color		
290-292	X√-			√	W					√+	√++					√+	√	√	√				√									pink-gray color		
292-294	X√		I		W				√	√+	√+					√+	√		√	√			√√ fee									increase in mnlt		
294-296	X√		I		W			Y		√+	√+					√+							√											
296-298	X√		I		W			Y		√+	√+					√+							√									gray-pink color near? vein		
298-300	X√			√						√+	√+					√+							√-				√			√		dust: orange BEGIN ½ SPLIT red & white color		
300-302	X√			√	W					√+	√+					√	√	√	√		?	√	√				√					red-white-tan color		
302-304	X√				C					√	√+					√+							√√ fere									dust: orange-tan red and white color		
304-306	X√				W					√+	√+					√+	√	√	√				√+									red and gray color		
306-308	X									√+	√+					√+							√+									red and tan color		

HOLE #: RP
BEARING: S 58 W T.D. 508'
INCLINATION: -65°
GEOLOGIST: N.I. COLBURN
DATE: 4/25, 4/27/76
PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN ROCK TYPE: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	"VEIN QUARTZ": F/D INFERRED/DEFINITE	CLEAR CRYSTALLINE	W/C WHITE/CREAM	"OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	"STONE"	ALTERATION: BLEACHING SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	CLEAR FELDSPAR WHITE FELDSPAR	OTHER	FeOx: FeOx	BRIGHT RED OR RED	ORANGE OR SALMON	DARK RED	"CHROME" YELLOW	LIMONITE - OCHRE	AFTER PYRITE	CLUSTER	R/M/V RIM/MATRIX/VEINLETS	MnOx: MnOx	VEINLETS FRACTURES	FLUORITE GREEN/PURPLE	CALCITE/BARITES (PE PSEUDO)	OTHER	OTHER CHARACT.: VUGGY	POMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	Au
308-310	X	V									V	V+				V+	V		V						V	V					V		V		red color		
310-312	X										V+	V+				V+									V+										red-gray color		
312-314	X										V	V+				V									V										red-yellow-gray color		
314-316	X	V-	I	V		W					V+	V+				V+									V+					V		V			pink-gray color		
316-318	X	V-	I			C					V+	V+				V									V										dust: tan		
318-320	X	mix?	I								V+	V+				V									V+										tan color begin vein complex?		
																																			tan color		
320-322	X	V	I	V		W					V	V+				V	V		V						V+										" "		
322-324	V	V?	I			W					V+	V+				V	V	V	V	V					V										dust: lt. tan		
																																			tan-pink color		
324-326	X	V	I			W					V+	V+				V+				V	V				V+										dust tan rock 'real soft'		
						C																															
326-328	X	V	I	V		W					V	V+				V									V+										red, tan and black color		
~~328-330~~											NO		SAMPLE																DAMP						4/27/76 →		
																																			SMALL SAMPLE		
330-332	X	V				W					V	V+				V+									V										red and white color		
332-334	X	V-	I			W					V+	V+				V+	V		V	V					V-												
334-336	X	V	V	I		W	Y		V		V+	V+				V+	V		V			M?			V								?		mix color		
336-338	X	V	V?	I		W			V		V+	V+				V+	V		V			M?											?		mix color, FeOx lysengang		
338-340	X	V	V?	I	V	W			V		V+	V+				V+	V		V			M?			V								?		mix color		
340-342	X	V	V?	I	V	W			V		V+	V+				V+	V		V			M?			V-								?		red + white color FeOx lysengang		
342-344	X	V	V?	I	V	W					V+	V+				V+	V		V						V-								?		red + white color		
344-346	X	V	V?			W			V		V+	V+				V+	?		?						V										pink color		
346-348	X	V	V?			W			V		V+	V+				V+	?		?						V frag										probable breccia zone		
348-350	X	V			V	W					V+	V+				V+	V		V						V								?		red & white color		
350-352	2/3	1/3	I	V		W			V		V	V+				V									V-										pink-gray-white color		
352-354	2/3	1/3	I			W			V		V+	V+				V+	V		V						V+										pink-red-white color VEIN QTZ		
354-356	3/4	1/4	D	V			Y				"	V+				V+									V										dust: red (moist) pink-white color		

HOLE #: RP

BEARING: S 58W

INCLINATION: −65°

GEOLOGIST: N.I. COLBURN

DATE: 4/27/76

PROJECT: ROSEDALE, N. MEX.

T.D. 508'

INTERVAL (FEET)	MAIN ROCK TYPE: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	ID INFERRED/DEFINITE	CLEAR CRYSTALLINE	W/C WHITE/CREAM "OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	"PINK"	ALTERATION: BLEACHING SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	CLEAR FELDSPAR WHITE FELDSPAR	OTHER	FeOx	FeOx BRIGHT RED OR RED	ORANGE OR SALMON	DARK RED	CHROME YELLOW LIMONITE-OCHRE	AFTER PYRITE	CLUSTER	R/M/V RIM/MATRIX/VEIN	MnOx	MnOx VEINLETS FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITE (PE PSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	POMICE-GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICROBRECCIA	NOTES	ASSAYS (ppm) Ag	Au
356-358	X	V		V		W			V	V+	V+				V+	V		V	V				V-									?	red & white color		
358-360		1/4	I	V		W		A		V+	V+				V+								V-	(?)		?		?				?	red & white color		
360-362	X	?				W				extreme	extreme				V+								V-									?	" " "		
362-364	X	?				W				ext	ext	?			V+	V	V	V		V	V		V									?	" " "		
364-366	1/2	1/2	I			W				ext	ext	V			V+	V		V		V	V	V	V-										red, purple & white color		
366-368	3/4	1/4	I			W				"	"				V+	V			V			R	V+									?	dust: orange tan VEIN ZONE ?		
																																	elm FeOx lysingang		
368-370	3/4	1/4	I			W				"	"				V+		V		V	V	V		V									?	red and white color		
370-372	V	V				W				"	"				V+	V		V		V		R V	V-									?	white + red color		
372-374	X	?				W				"	"				V+	V		V				R?	V-									?	red + white color		
374-376	3/4	1/4	D			W				"	"	V			V	V		V															dust: orange, enlarged qtz eyes		
376-378	1/2	1/2	I	V		W				"	"				V	V	V	V		V	V	V R V										?	white + red color		
378-380	X	V		V						"	"				V			V +		V	V												dust: tan		
																																	white, some red color		
380-382	X	V				W			V	"	"	V	V		V+							R	V-						V				dust: orange-pink enlarged qtz		
382-384	1/2	1/2	I			W				"	"	V			V+								V	(?)	(?)								red + white color		
						C																											dust: orange		
384-386	X	V				W				"	"				V+	V	V	V		V	V		V-	(some green above)									white-red color		
																																	dust: orange		
386-388	1/2	1/2	I			W				"	"				V+			V		V	V	V	V										white-red color		
																																	possible flakes metal?(py) or alt. bio ??		
388-390	3/4	V	1/4	I	V					"	"				V+	V	V	V		V	V	V											FeOx specks in white rhyolite		
390-392	1/2	1/2	I			W				"	"				V+	V	V	V		V	V	V											purple tinge from FeOx specks		
392-394	1/2	1/2	I			W			A	"	"				V+		V			+ V	+ V		V-										white + orange-tan color		
																																	dust: dk orange		
394-396	1/3	2/3	I	V		W			V	"	"				V+		V			+ V	+ V		V										white & red color		
																																	" " "		
396-398	1/4	3/4	D	V		W				"	"				V+	V	V	V		V	V	V	V-									V	white, tan + red color		
398-400	1/4	3/4	I			W				"	"				V+	V	V	V		+ V	+ V	V	V+										pink, tan & white color		
400-402	1/2	1/2	I			W				"	"				V+		V			V	V	V	V-										dust: orange-tan		
402-404	1/2	1/2	I						A	"	"				V+		V			+ V	+ V		V-			(?)							pink-white color		
																											green specks in qtz								

HOLE #: RP-
BEARING: S 58W
INCLINATION: -65°
T.D. 508'
GEOLOGIST: N.I. COLBURN
DATE: 4/27/76
PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN ROCK TYPE: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	ALTERATION: ID INFERRED/DEFINITE	CLEAR CRYSTALLINE	W/C WHITE/CREAM "OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	BLEACHING SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	CLEAR FELDSPAR WHITE FELDSPAR	OTHER	FeOx: FeOx	BRIGHT RED OR RED	ORANGE OR SALMON	DARK RED	CHROME YELLOW	LIMONITE-OCHRE AFTER PYRITE	CLUSTER R/M/V	RIM/MATRIX/VE.	MnOx	VEIN LETS, FRACTURES: FLUORITE (GREEN/PURPLE)	CALCITE/BARITES (PE PSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	PUMICE-GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICROBRECCIA	NOTES	ASSAYS (ppm) Ag	Au
404-406	1/2	1/2	I	V		W			extreme	extreme				V+	V		V		V+	V		V+									dust: orange		
406-408	1/3	2/3	I			W		A	V	ext.	ext				V		V		V+	V	V	V				?		-	?		pink-gray color		
408-410	1/4	3/4	D				Y G			"	"				V+		V		V+	V	V	V+				?		-	?		dust: tan VEIN QTZ		
410-412	1/4	3/4	D			W	G			"	"				V+		V		V	V	V	V+ frag				?		-	?		dust: orange-tan pink-white color		
412-414	1/2	1/2	I			W				"	"				V	V	V	V+	V	V+	V+	V				?		-	?		dust: orange-tan white, tan, red color		
414-416	1/4	3/4	I			W				"	"				V						V	V- fers						-	?		dust: tan white qtz white + red color microbands		
416-418	1/2	1/2	D	V		W	Y			"	"				V		V				V R	V-							?		white + red color VEIN QTZ		
418-420	3/4	1/4								"	"				V		V					V-							?		WHITE RHYOLITE white + red color		
420-422	3/4	1/4	I			W			V	"	"				V+		V		V+	V+	V	V									dust: tan pink, white, red color		
422-424	1/2	1/2	I	V		W C				"	"				V+		V		V+	V+	V	V-									pink, mix color less FeOx specks		
424-426	3/4	1/4	D			W C		G		"	"				V		V					V-									pink color. VEIN QTZ		
426-428	1/2	1/2	I	V		W				"	"				V		V				R	V-							?		white + red color		
428-430	1/2	1/2	D			V	V			"	"				V		V		V	V	R	V							?		" " " VEIN QTZ		
430-432	1/2	1/2	I			W				"	"				V	V	V		V	V	R	V							?		" " "		
432-434	3/4	1/4	I	V		V				"	"				V	V	V		V	V	R	V-									pink, red + white color		
434-436	1/2	1/2	D			W		G	A	"	"				V		V		V	V		V-							V		gray-pink 435' 'SOFT ROCK' dust: orange-tan VEIN QTZ		
436-438	1/3	2/3	D	V		C	V	G	A	V	"	"			V		V		V	V		V									gray-pink color. ZONE		
438-440	1/4	3/4	D	V	V	W		G		V	"	"			V		V	V			R	V-							V		" " "		
440-442	1/4	3/4	D	V	V	W				V	"	"			V+	V						V-				?		?	?		white + red color		
442-444	2/3	1/3	I			W				V	"	"			V+						V	V-	V			?		?	?		pink color		
444-446	1/4	3/4	I	V		W		A	V	"	"				V+	V					R V	V+				?		?	?		pink + red color CAVING from top of hole ARSENIC	<0.2	<.02
446-448	1/2	1/2	D			W		G	A	"	"		V		V						V	V							V		pink color		
448-450	3/4	1/4	I			W			V	"	"				V+	V					V	V							V		pink + red color microbands, lysangang	<0.2	<.02
450-452	1/2	1/2	I			W C			V	"	"				V+							V+	V						V		" " pink color		

HOLE # : RP

BEARING : S 58W

INCLINATION : -65°

T.D 508'

GEOLOGIST : N.I. COLBURN

DATE : 4/21/76

PROJECT : ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN ROCK TYPE: RHYOLITE	MICROVEINLETS	"VEIN QUARTZ" I/D INFERRED/DEFINITE	CLEAR CRYSTALLINE	W/C WHITE / CREAM	"OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	"PINK"	ALTERATION: BLEACHING ZONES	SILICIFICATION	CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	GLEAR FELDSPAR WHITE FELDSPAR	OTHER	FeOx: FeOx	BRIGHT RED OR RED	ORANGE OR SALMON	DARK RED	CHROME YELLOW	LIMONITE - OCHRE	AFTER PYRITE	CLUSTER R/M/V	RIM/MATRIX/VEI.	MnOx: MnOx	VEINLETS FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITE (PE PSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	POMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	Au
452-454	1/4	3/4	D	V				V		extreme	extreme				V	V		V				R		V											dust: orange tan	good Vn. Qtz	0.2	<.02
454-456	almost none	»	D		C		GE	V		ext	ext					V								4V											pink-beige color	lysengang		
																																			" " "			
456-458	"	»	D		C		GE	V		"	"					V								V+											pink-gray color		0.2	<.02
458-460	1/2	1/2	I				E	V		"	"					V		V			V	V		V-											dust: tan			
																																			pink-beige-gray			
460-462	1/4	3/4	D		W		YA			"	"					V		V				V		V+					V V						dust: tan	FeOx-Qtz micro-bands	0.2	<.02
																																			mix color			
462-464	almost none	»	I		W			V		"	"					V		V				V		V					V V						gray-pink color			
464-466	"	>	I	V			E			"	"					V		V				V		V V											dust: yellow tan	blk. red FeOx Qtz micro bands specks fn. gn.	0.2	<.02
466-468	"	>	I	V			EA	V		"	"					V V V V						R		V											pink-gray color	blk. mineral (Mn?)		
																																			pink-gray color			
468-470	1/3	2/3	I				A	V		"	"					V-		V		V		V		V											dust: green-gray		0.2	<.02
																																			gray-pink color			
470-472	almost none		D		W		GA			"	"					V-								V+											dust: green-gray			
																																			gray color			
472-474	"		D		W		YA			"	"					V		V V		V				V+					V V						SAME:	Hem-Qtz microbands	1.4	<.02
474-476	"		I				A	V		V+	V+					V V		V		V		R		V+											dust: green gray			
																																			gray, white, pink color			
476-478	~		I		W		A			~	~					V								V											dust: tan		1.2	<.02
																																			gray-pink color			
478-480	1/4	3/4	I	V	W			V		ext.	ext					V V V V				V		R		V										V	dust: tan			
																																			pink-white color			
480-482	1/4	3/4	I	V	W			V		"	"					4		V V				R													dust: orange-tan		0.8	<.02
482-484	1/4	3/4	I	V	W			V		"	"					4		V		V	V	V R													pink-white color			
																																			" " "			
484-486	1/4	3/4	I	V	W					"	"					4		V		V	V	V													white-pink color		1.2	<.02
486-488	1/2	1/2	D	V	W		GA Y			"	"					4		V V			V	V R													" " "	VEIN QTZ		
488-490	3/4	1/4	I	V	W					"	"					4		V V																	pink (white) color			
490-492	3/4	1/4	I	V	W					"	"					4		V V				R													pink (gray) color			
492-494	1/4	3/4	I		W			V		V+	V+					V		V			V	V													pink color			
494-496	X	V ?	I		W					V+	V+			V		V																			pink gray color			
496-498	X	V	V	D	V	W		Y		V+	V+					V		V			V	V		V											" " "	VEIN QTZ		

HOLE #: RP-

BEARING: S 58W T.D. 508'

INCLINATION: -65°

GEOLOGIST: N.I. COLBURN

DATE: 4/27/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN ROCK TYPE: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	"VEIN QUARTZ": AD INFERRED/DEFINITE	CLEAR CRYSTALLINE	W/C WHITE/CREAM	"OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	"PINK"	ALTERATION: BLEACHING SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ 'EYES'	DARK OR BLACK QTZ 'EYES'	CLEAR FELDSPAR	WHITE FELDSPAR	OTHER	FeOx: BRIGHT RED OR RED	ORANGE OR SALMON	DARK RED	CHROME YELLOW	LIMONITE - OCHRE	after PYRITE	CLUSTER	R/M/V RIM/MATRIX/VEI	MnOx	VEINLETS FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITE (PE PSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	PUMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	Au
498-500	X	√	-	H	√	W					#	#	√			√		√	√	√			√	√													pink color		
500-502	X	√	-	D		W		Y		√	#	#						√		√	√		√		√	√-											salmon pink dust		
502-504	X	√	-			W					#	#	√					#							R												red and white color dust: orange		
504-506	X	√	-			W					#	#						#	√		√		√		R												red & white color white & red color		
506-508	X										#	#						√		√		√	√		R												" " "		
																																					BOTTOM OF HOLE	508'	

RP - 2

VEIN INTERVAL	FeOx INTERVAL
92-94 to 100-102 (marginal)	78-80 to 114-116'
112-114 to 114-116'	

TOTAL DEPTH: 116'

HOLE # : RP-6
BEARING : S 41 W T.D. 116'
INCLINATION : -35°
GEOLOGIST : N.I. COLBURN
DATE : 4/28/76
PROJECT : ROSEDALE, N. MEX

RP-2

INTERVAL (FEET)	MAIN ROCK TYPE: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	F/O INFERRED/DEFINITE	CLEAR	CRYSTALLINE	W/C WHITE/CREAM	"OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	"PINK"	ALTERATION: BLEACHING	SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ "EYES"	DARK OR BLACK QTZ "EYES"	CLEAR FELDSPAR	WHITE FELDSPAR	OTHER	FeOx	BRIGHT RED	ORANGE OR SALMON	DARK RED	CHROME YELLOW	"MONTE" - OCHRE	OTHER PYRITE	CLUSTER	R/M/V RIM/MATRIX	MnOx	VEINLETS OR FRACTURES	FERROUS RITE (GREEN/PURPLE)	CALCITE/BARITE (P=PSEUDO)	OTHER	VUGGY	PUMICE FRAGMENT-GLASS SHARD	LITHIC FRAGMENT	FOLIATION/EUTAXITIC	MICRO BRECCIA	NOTES	ASSAYS Ag (ppm)	ASSAYS Au (ppm)
20-22	XX			✓						E	✓	-		+	✓					+			✓						✓											dk. orange-brun clust (drm) m. tan-brun-beige color		
22-24	½	½		I ✓					G	E		✓		+						+	✓		✓				R		✓						X				yellow tan dust pink-beige color		
24-26	XX			✓		W						✓		✓	✓					+			✓						–						X		X			brun color		
26-28	X?			I ✓		W						✓+		✓						+			✓	✓	✓				✓											tan dust beige-mix pink color		
28-30	XX					W						–		✓	✓					✓				✓			✓		–											yellow-dark dust mix-beige color		
30-32	XX					W			A			+		+						+			✓	✓					✓									X		mix pink-beige color		
32-34	X											–		+						+				✓			R		–											pink alt. along FeOx? mat		
34-36	XX			✓		W						✓		+						+							X	R	✓											brown-yellow color		
36-38	X											–		+	✓					+ ? ?			✓				M ?		✓						X		✓		mix brown color		
38-40	X?			✓							✓	+		+						+ ✓ ✓			✓						–										vivid FeOx colors mix yellow-pink-brun color		
40-42	XX			✓								+		+						✓									✓											H. orange dark dust mix yellow-brun color		
42-44	XX			✓							✓	✓+		+						✓									O											pink-brun color		
44-46	X											–		+						✓									✓											orange-tan dust pink-beige color		
46-48	XX								A				✓	+						✓									✓											tan dust mix brun color		
48-50	X?			✓							✓	–		+						✓									O							?				yellow-tan dust beige color		
50-52	XX			✓								–		✓						+									–											pink-brun color		
52-54	XX			✓		W							✓	+	✓					+									–											dark tan dust pink-beige color		
54-56	XX			✓							✓	✓		+						+ R									+											tan dust pink-red-brun color		
56-58	XX									?	✓			+						✓			–			✓			–											pink-brun color		
58-60	X												✓	+	✓					+									✓											pink-beige color		
60-62	X												+	+						+				✓					+								X			tan dust pink-beige-yellow color		
62-64	XX			✓		W							+	+	✓					+				✓					✓											yellow-tan dust yellow-pink-brun color		
64-66	XX			✓		W							+	+	✓ SPOT					+				✓					+											yellow (beige) color		

"THE CHAMPION LINE" NO. 808
CROSS SECTION - 8 SQUARES TO INCH

HOLE # : RP-6
BEARING : S 41 W T.D. 116'
INCLINATION : -35°
GEOLOGIST : N.I. COLBURN
DATE : 4/28-29, 76
PROJECT : ROSEDALE, N.MEX

RP-2

INTERVAL (FEET)	MAIN "K" EX	"VEIN QUARTZ" RHYOLITE MICROVEINLETS	VEIN QUARTZ I/O INFILLED/DEFINITE	CLEAR CRYSTALLINE	W/C WHITE/CREAM "OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	"PINK" BLEACHING	SPOTS OR ZONES	ALTERATION SILICIFICATION	CLEAR GTZ "EYES" DARK OR BLACK GTZ "EYES"	CLEAR FELDSPAR WHITE FELDSPAR	OTHER	FeOx FeOx BRIGHT RED	ORANGE OR SALMON	DARK RED	CHROME YELLOW	LIMONITE-OCHRE	AGE PYRITE	CLUSTER R/M/N	MnOx MnOx VEINLETS, FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITE (PSEUDO)	OTHER	OTHER VUGGY	PUMICE-GLASS SHARDS	LITHIC FRAGMENTS	COMPACTION FEATURES	MICROBRECCIA	FURTHER CHARACT.	NOTES	ASSAYS (ppm) Hg	AU
66-68		XX		✓	C			✓✓		+				+				✓			+											yellow, beige color		
68-70		X						++		+				✓		✓✓					✓											yellow tan dust		
70-72		XX		✓	W			✓		+				+		✓			✓		+											multi-red-yellow-beige color		
72-74		XX			W			✓		+				+					✓✓		✓											tan dust yellow-brown color		
74-76		XX		?				✓		+				✓					?	✓	✓											mix yellow-beige color		
76-78		X						–		+				+				✓?		✓	✓											gray-tan dust dark beige color		
78-80		XX		✓	W			+		+		✓		✓					✓		+											yellow tan dust gray brown color		
80-82		XX		✓				✓		+	✓			+				✓✓			+											gray brown color		
82-84		XX		✓				✓		+				+				✓✓			✓											mix pink-brown color		
84-86		XX		✓	W			–		+				+		✓			✓	✓	✓											tan dust mix color		
86-88		XX✓		✓			E	✓		+				+							✓											tan-brown color		
88-90		XX		✓				✓		+				+							✓											gray-brown color		
90-92		XX			W			✓		+				+							✓									X		brown color		
92-94		X✓		✓	W			✓-		++				++							✓											red-gray-beige color mix beige color		
94-96		X✓		✓			G	✓	✓	++			✓	✓✓			✓✓	✓	✓		✓									✓		mix beige-brown color SMALL SAMPLE		
96-98		X✓-		✓	C			✓	✓-	++				++✓✓			✓	✓	✓	✓	✓									W		mix orange-brown color		
98-100		X✓¼		○✓✓	W		A	✓	✓	++				++✓✓						R	✓									✓		orange-beige color VERY SMALL SAMPLE	1.0	.10
100-102		X✓¼		○✓✓	C W		A			++				++✓✓✓					✓		✓									W		VERY LARGE SAMPLE		
102-104		—		—	—		—	—		—				—							—									—		NO SAMPLE - clean out hole with water		
104-106		X✓		✓			E	✓	✓	++	✓			++✓✓					✓		✓-									W		red, beige, gray color 4/29/76 T. UPPER PART CAVING 2mm	0.6	.11
106-108		X✓½		○✓✓	C W		E	✓	✓	++	✓✓			++✓✓			✓				✓-									✓✓		dust. orange tan POSS. CONTAM.		
108-110		X✓¼		✓	W			✓		++				++✓		✓✓✓✓					✓									✓		beige pink color dust. orange tan	0.6	.10
110-112		X✓		✓	W		A	✓		++				++✓✓			✓			R	✓									✓		mix brown, white, beige color dust. orange tan		
112-114		X✓-		D✓	W✓		GEY	✓	nr. wh	++				++✓			✓				✓ PINK				✓		✓		✓✓		mix orange-tan-white color mix pink, brown gray color WATER POSS. CONTAM.	0.8	.13

THE CHAMPION LINE NO 808
CROSS SECTION - 4 SQUARES TO INCH

HOLE #: RP - 2

BEARING: S 41 W T.D. 116'
INCLINATION: - 35°

GEOLOGIST: N.I. COLBURN

DATE: 4/29/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	ALTERATION: BLEACHING SPOTS OR ZONES	SILICIFICATION	FeOx	MnOx	OTHER	FURTHER CHARACT.	NOTES	ASSAYS (ppm) Ag	AU
114-116	X	√ ¼	D √√ / G / Y A	√+	√+ / sl	+√ / √ / √√	√		√ √	mix beige, white, pink-brown color speck? metallic?. ZONE CLUSTER CONTAMINATED VNLTS. SAMPLE SOME UNALT. RHY. BOTTOM OF HOLE 116'	0.8	.06

MAIN: RHYOLITE; MICROVEINLETS; VEIN QUARTZ: D INFERRED/DEFINITE; CLEAR; CRYSTALLINE; W/C WHITE/CREAM; "OPAL" CHALCEDONY; G/Y GREEN/YELLOW; A/E GRAY/BEIGE; "PINK"

ALTERATION: BLEACHING SPOTS OR ZONES; SILICIFICATION: CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'; CLEAR FELDSPAR; WHITE FELDSPAR (sl=silky); OTHER

FeOx: BRIGHT RED OR RED; ORANGE OR SALMON; DARK RED; CHROME YELLOW; LIMONITE - OCHRE; after PYRITE; CLUSTER; R/M/V RIM/MATRIX/VE

MnOx: VEINLETS; FRACTURES; FLUORITE (GREEN/PURPLE); CALCITE/BARITES (PE PSEUDO); OTHER

FURTHER CHARACT.: VUGGY; PUMICE - GLASS SHARDS; LITHIC FRAGMENTS; EUTAXITIC TEXTURE; MICRO BRECCIA

RP - 3

VEIN INTERVAL	FEOX INTERVAL
22-24', 32-34'	22-24 to 40-42' — poss. surface contamination
98 - 100'	
106-108, 126-128 to 130-132'	104-106 to 132-134'
152-154 to 210-212'	156-158 to 194-196'
with centers at 160-162 to 192-194'	
and 204-206 to 208-210'	204-206 to 206-208'
218-220 to 244-246'	222-224 to 228-230'
	240-242 to 244-246
252-254 to 262-264'	252-254 to 278-280'
270-272, 274-276'	
	284 - 288' COMPOSITE SAMPLE
290-292'	288-290 to 290-292'

TOTAL DEPTH: 292'

HOLE #: RP-3

BEARING: S41W T.D. 292'
INCLINATION: -35°

GEOLOGIST: N. COLBURN

DATE: 4/30/76

PROJECT: ROSEDALE, N. MEX.

11 ft CASING AT TOP

INTERVAL (FEET)	MAT. IN	RHYOLITE	MICROVEINLETS	VEIN QUARTZ	"VEIN QUARTZ" ID INFERRED/DEFINITE	CLEAR	CRYSTALLINE	W/C WHITE/CREAM	"OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	"BLACK"	ALTERATION BLEACHING SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ 'EYES'	DARK OR BLACK QTZ 'EYES'	CLEAR FELDSPAR	WHITE FELDSPAR (SI=silky)	OTHER	FeOx	FeOx BRIGHT RED OR RED	ORANGE OR SALMON	DARK RED	CHROME YELLOW	LIMONITE - OCHRE	after PYRITE	CLUSTER	R/M/V RIM/MATRIX/VE	MnO	MnOx VEINLETS, FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITES (PE PSEUDO)	OTHER	FURTHER CHARACT. VUGGY	POMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	Au
10-12		X	V						Y				V	V	V	V				V	V			V	V					V									dust yellow tan brown color	SMALL SAMPLE. LOSS AT COLLAR	
12-14		X	V					W					V-	V						V	V	V		V	V	V	V-		V-						V		V	V	dust: tan mix brown color		
14-16		X	V			V							V	V+		V				V	V			V	V			V	V-										dust: tan mix brown-beige color.		
16-18		X	V		V		W						V-	V+						V	V			V	V				V						V				dust: H. tan mix pink, brown, beige color		
18-20		X	V		I	V		W					V	V+						V	V	V		V	V				V-				V and green spots		V				dust H. tan mix beige color		
20-22		X	V	-	I	V							V	V+		V				V+		V	V		V	V	V-		V										dust: pink tan mix pink-beige, red color		
22-24		X	V	-	I	V		W		Y			V	V						V		V	V		V											V			mix beige color		
24-26		X	V	-	I	V		C W					V	V+						V			V	V	V										V		V		mix beige, red-brown color		
26-28		X											V	V+						V+	V	V		V	V				V-										dust: orange tan mix red gray color		
28-30		X	V	-	I	V		W				V	V	V+						V+		V	V	V	V				V							V			dust: tan pink, brown color	ALT. NEAR VNLTS.	
30-32		X	V	-	I	V							V-	V+						V+	V	V			V Lysengang			R											tan, pink color.		
32-34		X	V	-	I	V		W		Y			V-	V+						V+	V			V	V	V	V-		V										mix brown white color		
34-36		X	V			V							V-	V+						V+	V			V	V														mix yellow tan color		
36-38		X	V			V							V	V+						V+	V			V	V				V										mix pink tan color		
38-40		X	V			V		W					V-	V+						V		V	V		V				V										mix brown yellow color		
40-42		X	V			V							V+	V+						V+	V			V	V	V	V-	R	V										mix pink, beige, yellow color		
42-44		X	V			V							V+	V+						V	V			V	V			R	V+										mix red-brown yellow		
44-46		X	V			V							V	V+						V+	V				V				V+						V		V		mix red, pink, gray, brown color		
46-48		X	V			V							V	V						V		V		V	V	V	V		V-										mix pink-beige-brown color		
48-50		X												V						V-	V			V	V										V	V	V		brown tan color		
50-52		X	V			V								V-						V	V			V	V				V						V		V		brown color		
52-54		X	V			V							V-	V-						V+	V			V	V				V-						V	V	V		pink, beige color		
54-56		X											V	V	V					V-									V-						V		V		beige tan color		
56-58		X	V			V							V	V+						V	V			V	V				V-							V			pink-beige-gray color		

HOLE #: RP-3

BEARING: S 41 W T.D. 292'
INCLINATION: -35°

GEOLOGIST: N.I COLBURN

DATE: 4/30/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN: RHYOLITE MICROVEINLETS	"VEIN QUARTZ": 2D INFERRED/PLEHNITE VEIN QUARTZ	CLEAR CRYSTALLINE	W/C WHITE/CREAM	"OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	"PINK"	ALTERATION: BLEACHING SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ 'EYES'	DARK OR BLACK QTZ 'EYES'	CLEAR FELDSPAR	WHITE FELDSPAR (SI=silky)	OTHER	FeOx: FeOx	BRIGHT RED OR RED	ORANGE OR SALMON	DARK RED	CHROME YELLOW	LIMONITE - OCHRE after PYRITE	CLUSTER	R/M/V RIM/MATRIX/VE	MnOx: MnOx	VEINLETS, FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITE (PE PSEUDO)	OTHER	OTHER FURTHER CHARACT.: VUGGY	PUMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) AS	AU
58-60	X	✓		✓					✓	✓						✓		✓		✓	✓			✓-											pink beige color		
60-62	X	✓		✓					✓							✓	✓			✓	✓	✓	✓-	✓-						✓				same		
62-64	X	✓		✓					✓	✓+				✓		✓+	✓			✓	✓			✓-										mix pink beige color		
64-66	X	✓		✓			A		✓	✓+						✓+	✓			✓	✓			✓-					✓		✓			dust: yellow tan		
66-68	X	✓-	I	✓		Y		✓	✓+	✓					VHE latin BIO?	✓+				✓	✓			✓										pink-beige-mix color dust: tan		
68-70	X	✓-	D	✓	✓	C			✓+	✓+						✓+																		mix brown color dust. lt tan		
70-72	X	✓		✓	W				✓	✓+						✓	✓			✓	✓	✓												mix beige color pink beige color		
72-74	X	✓		✓					✓-	✓+						✓+	✓			✓	✓			✓						✓				pink beige. brown color		
74-76	X	✓-		✓					✓	✓+						✓	✓	✓		✓	✓	✓	✓	✓-						✓				dust: gray tan		
76-78	X	✓		✓					✓	✓+						✓	✓	✓		✓	✓			✓-										red-beige-white color same		
78-80	X	✓		✓			A		✓	✓+				sl		✓								✓										mix beige-pink color		
80-82	X	✓		✓	W				✓	✓+		✓		sl		✓+	✓			✓	✓	✓	✓							✓		✓		dust: tan		
82-84	X	✓		✓					✓	✓+						✓+		✓		✓	✓			✓-						✓		✓		mix yellow pink, beige color dust: lt. tan		
84-86	X								✓+	✓+						✓	✓			✓	✓			✓	✓									beige (pink-yellow color dust: yellow tan		
86-88	X	✓-							✓	✓+				sl		✓+	✓			✓	✓	✓	✓	✓						✓				mix beige color pink beige color		
88-90	X	✓-	I	✓	✓				✓	✓+						✓	✓			✓	✓			✓										dust: tan		
90-92	X	✓		✓	W			✓	✓+	✓+						✓	✓			✓	✓	✓	✓	✓-										mix yellow pink, brown color dust: yellow tan		
92-94	X	✓		✓				✓	✓+	ext	✓					✓+				✓				✓										pink, yellow beige, white color same		
94-96	X	✓-	I	✓	C				✓+	"						✓			✓	✓	✓			✓										dust: lt. tan (11.50 AM)		
96-98	X	✓-	I	✓	W C				✓+	"		✓		sl		✓	✓						R									✓		mix yellow gray, beige color dust: tan		
98-100	X	✓-	D	✓	W		G		✓+	"				sl.		✓	✓			✓	✓		R	✓+										same color RHY. BRECCIA dust. lt. tan "		
100-102	X	✓		✓	W				✓+	"		✓				✓	✓			✓	✓			✓+										tan + red color same "		
102-104	X	✓		✓					✓	"						✓+								✓										red + beige color		
104-106	X	✓		✓					✓+	✓+						✓+	✓			✓	✓			✓-								✓		dust: tan pink-beige color		

HOLE #: RP-3

BEARING: S41W T.D. 292'
INCLINATION: -35°

GEOLOGIST: NI COLBURN

DATE: 4/30/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAT. RHYOLITE	MAT. MICROVEINLETS	MAT. VEIN QUARTZ	"VEIN QUARTZ" I/D INTERMIXED/PLATINITE	"VEIN QUARTZ" CLEAR CRYSTALLINE	"VEIN QUARTZ" W/C WHITE/CREAM	"VEIN QUARTZ" "OPAL" CHALCEDONY	"VEIN QUARTZ" G/Y GREEN/YELLOW	"VEIN QUARTZ" A/E GRAY/BEIGE	"VEIN QUARTZ" ½ "LUC"	ALTERATION BLEACHING SPOTS OR ZONES	ALTERATION SILICIFICATION	ALTERATION CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	ALTERATION CLEAR FELDSPAR WHITE FELDSPAR (sl=silky)	ALTERATION OTHER	FeOx FeOx	FeOx BRIGHT RED OR RED ORANGE OR SALMON	FeOx DARK RED 'CHROME' YELLOW LIMONITE-OCHRE	FeOx AFTER PYRITE CLUSTER	FeOx R/M/V RIM/MATRIX/VE	MnOx MnOx	MnOx VEINLETS FRACTURES FLUORITE (GREEN/PURPLE) CALCITE/BARITE (PE PSEUDO) OTHER	OTHER FURTHER CHARACT. VUGGY	OTHER FURTHER CHARACT. POMICE-GLASS SHARDS	OTHER FURTHER CHARACT. LITHIC FRAGMENTS	OTHER FURTHER CHARACT. EUTAXITIC TEXTURE	OTHER FURTHER CHARACT. MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	ASSAYS (ppm) Au
106-108	X	√	-	I	√	W		Y			√+	√+			sl		4	√		√	√		√					W	tan yellow color (1200 pm)	
108-110	X	√	-	I	√	√	W				√+	ext			sl		4		√	√	√	√	√						dust: gray tan, mix pink, beige, tan color	
110-112	X	√	½	I	√	W			E		√	"			sl		√	√	√	√	√	tetre	√						dust: tan, beige mix color	
112-114	X	√	·	I	√	√			A		√	"	√				4		√	√	√		√-					W	dust: yellow tan, same color	
114-116	X	√		I	√	√	W		E		√	"					4	√		√	√								same	
116-118	X	√		I	√	√	W				√	"	√		sl		4	√		√	√		√					W	dust: tan, beige mix color	
118-120	X	√			√						√-	"			√		4	√	√	√	√				?			√	pink-beige color, cerise spots,	
120-122	X	√			√						√	√+					4	√		√	√		√	√				√	red-beige color	
122-124	X	√			√	C					√	√+					4	√	√		√	R						√	dust: orange tan, pink-beige color (cerise spots)	
124-126	X	√	½	I	√	C			E		√	ext					4	√		√	√							W	same color	
126-128	X	√	½	I	√	W		Y			√+	"						√		√	√		√						same color	
128-130	X	√			√	C C W					√+	√+					4	√	√		√		√						dust: tan, beige color	
130-132	X	√	-	I	√	√					√	√+					√				√	√-	√						beige-gray mix color	
132-134	X	√	½	I		W			A		√	√+					√		√	√	√	√-	√					√	mix gray-beige color	
134-136	X	√	·	I	√	W			A		√+	√+					√	√			√								same	
136-138	X	√			√	W					√	√+					√				√	√-						W	mix beige color (1240 pm) CHECK CUTTING M. VAUTS	
138-140	X	√			√					√	√	√+					√						√-						mix beige-yellow color	
140-142	X				√					√	√	√+					√			√	√								yellow beige color	
142-144	X	√			√						√+	√+					√		√		√		√-						dust: lt. tan, yellow-lt. gray color	
144-146	X	√			√	C					√+	√+					√	√	√		√	√	√						same	
146-148	X	√	½	I	√	C W					√+	√+					√	√		√	√	√-							same	
148-150	X		½	I	√	C W			A		√	√+					√	√			√	√-	√-						same	
150-152	X										√	√+					√				√	√	√						dust: lt. yellow-tan, same color.	
152-154	X	√	½	I	√				A		√	√+					√			√	√	√							dust: tan, same color	

HOLE #: RP-3

BEARING: S 41W T.D. 292'
INCLINATION: -35°

GEOLOGIST: N.I. COLBURN
R.B. BLAKESTAD

DATE:

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAT. RHYOLITE	MAT. MICROVEINLETS	MAT. VEIN QUARTZ	"VEIN QUARTZ" I/D INFILLED/PLANITE	"VEIN QUARTZ" CLEAR CRYSTALLINE	"VEIN QUARTZ" W/C WHITE/CREAM	"VEIN QUARTZ" "OPAL" CHALCEDONY G/Y GREEN/YELLOW	"VEIN QUARTZ" A/E GRAY/BEIGE	"VEIN QUARTZ" PINK	ALTERATION BLEACHING SPOTS OR ZONES	ALTERATION SILICIFICATION	ALTERATION CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	ALTERATION GLEAM FELDSPAR WHITE FELDSPAR (SI=silky)	ALTERATION OTHER	FeOx BRIGHT RED OR RED	FeOx ORANGE OR SALMON	FeOx DARK RED	FeOx CHROME YELLOW	FeOx LIMONITE - OCHRE	FeOx AFTER PYRITE	FeOx CLUSTER R/M/V RIM/MATRIX/VE	MnOx VEINLETS FRACTURES	MnOx FLUORITE (GREEN/PURPLE)	MnOx CALCITE/BARITE (PE PSEUDO)	MnOx OTHER	FURTHER CHARACT. VUGGY	FURTHER CHARACT. PUMICE - GLASS SHARDS	FURTHER CHARACT. LITHIC FRAGMENTS	FURTHER CHARACT. EUTAXITIC TEXTURE	FURTHER CHARACT. MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	ASSAYS (ppm) Au
154-156	X	√	¼	I	√	C		A		√	‡				√	√		√	√													yellow-gray color		
156-158	X		¼	I	√	W				√	‡				√					√	√	√=										dust: yellow tan		
158-160	X	√	¼	I	√	W				√+	‡				‡							√										mix tan color dust: med. tan (BRECCIA		
160-162	X		½	I	√	W			√	√+	‡				√+	√	√		√			√-										orange-gray color RHY) FeOx white, gray color		
162-164	X	√	½	I	√	W			√	√+	‡				‡	√	√		√		M	√=										dust: ochre (RBB begin's) red porcellanite qtz.		
164-166	X		½	I		W		E	√	√+	‡				‡	√	√		√	√ (±½%)		√=										FeOx white, gray color dust: buff		
166-168	X		⅔	I	√				√	√+	‡				√	√			√	√ (±½%)	V	√=								√		red, gray color		
168-170	X		½	I	√		√		√	√+	‡				√	√			√	√		√=								√		gray-red color		
170-172	X	√	½	D	√	W	√	Y		√+	‡				√+	√	√		√			√=										same color. mass ±¼" QTZ VNLTS		
172-174	X	√	½	D	√	W	√	Y		√+	‡				√	√			√			√=					√					gray color		
174-176	X	√	⅓	D		W+	√	Y		√+	‡				√+	√			√	√		√=								W		gray-red color (RBB ends)		
176-178	X	√	⅓	D	√	W	√			√+	‡				√	√			√	√	√	√=								√		mix red gray, brown color		
178-180	X	√	¼	D	√	C W	√		√	√+	‡				√	√			√	√		√=								√		pink-brown color		
180-182	X	√	⅓	D	√	C	√			√	‡				√	√			√	√		√=								√		mix brown color		
182-184	X		⅓	D	√	C		A		√+	‡				√+					√		√-										pink-brown color QTZ BANDS		
184-186	X		⅓	I	√	W		E		√+	‡				√+	√			√	√		√-										same color		
186-188	X	√	¼	D	√	W		Y		√	‡				√+		√	√	√	√+										√		brown (mix) color		
188-190	X		⅕	I	√	W				√	‡				√+		√	√	√	√		√										dust: yellow tan. brown gray color		
190-192	X	√	⅓	D	√	√ W C		E	√	√	‡				√+		√	√	√			√-								√		dust. tan CLEAR QTZ BANDS pink, beige color		
192-194	X		⅖	D	√	C	√	Y		√+	‡				√+	√		√	√	√	√	√=										beige-gray color (2.14 pm)		
194-196	X	√	¼	I	√	W		E	√	√	‡				√+	√	√		√	√	√	√								√		dust: gray tan (2.20 pm)		
196-198	X		⅕	I	√	W C	√			√+	‡				√	√		√	√	√	√	√				√		√	√			red, beige, white color dust. lilac		
198-200	X	√	⅓	I	√	W	√			√+	‡				√	√			√	√		√										mix. pink-gray-brown color dust: tan (3.02 pm)		
200-202	X		⅓	I	√	W C		E		√	‡				√				√	√	√	√=										mix pink-brown, white color dust.. gray tan		
																																pink-brown color		

HOLE #: RP-3

BEARING: S 41W T.D. 292'
INCLINATION: -35°

GEOLOGIST: N.I. COLBURN

DATE: 4/30/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN TEXT: RHYOLITE	MAIN TEXT: MICROVEINLETS	MAIN TEXT: VEIN QUARTZ	"VEIN QUARTZ": H/D INFERRED/DEFINITE	"VEIN QUARTZ": CLEAR CRYSTALLINE	"VEIN QUARTZ": W/C WHITE/CREAM	"VEIN QUARTZ": "OPAL" CHALCEDONY	"VEIN QUARTZ": G/Y GREEN/YELLOW	"VEIN QUARTZ": A/E GRAY/BEIGE	"VEIN QUARTZ": "PINK"	ALTERATION: BLEACHING SPOTS OR ZONES	ALTERATION: SILICIFICATION	ALTERATION: CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	ALTERATION: CLEAR FELDSPAR WHITE FELDSPAR (SI=silky)	ALTERATION: OTHER	FeOx: FeOx	FeOx: BRIGHT RED OR RED ORANGE OR SALMON	FeOx: DARK RED "CHROME" YELLOW	FeOx: LIMONITE - OCHRE after PYRITE	FeOx: CLUSTER R/M/V RIM/MATRIX/VE	MnOx	OTHER: VEINLETS, FRACTURES FLUORITE (GREEN/PURPLE) CALCITE/BARITE (PE PSEUDO) OTHER	FURTHER CHARACT.: VUGGY	FURTHER CHARACT.: PUMICE - GLASS SHARDS LITHIC FRAGMENTS EUTAXITIC TEXTURE MICRO BRECCIA	NOTES	ASSAYS (ppm) AG	ASSAYS (ppm) AU
202-204	X	1/2	I			C W		E			√	ext				√ √			√ √						√	dust: TAN gray-brown-white color		
204-206	X	1/2	I			W						"				√+ √		√ √			√-				√	mix yellow-beige color SMALL SAMPLE	1.0	.11
206-208	X	1/3	D	√		W	Y				√+	"				√+		√ √ √							√	mix brown-gray color		
208-210	X	1/5	D	√		W	Y				√	"				√									√	pink-brown color	1.2	.22
210-212	X	1/3	I	√		W C					√	"				√ √			√ √		√-				√	brown mix color		
212-214	X	1/4	I	√		W					√+	"				√		√							√	beige color		
214-216	X	1/4	I	√		W C	√				√+	"	√ (OPAL)			√ √			√		√-				√	beige-gray color		
216-218	X	1/4	I	√		W		A			√+	"				√					√-					dust: med. tan gray-brown mix color		
218-220	X	2/5	D			W	√ Y	E	√		√+	"				√			√ √		√ √				√	gray-beige color		
220-222	X	3/4	D			W	Y	E			√+	"				√ √			√ √		√-			√		dust: yellow tan gray beige white color		
222-224	X	1/4		√		W			√		√	"				√+ √ √			√	√		? pale green			√	pink-gray-brown color		
224-226	X	1/2	D			C W	√ Y				√+	"				√+ √			√ √		√-				√	dust. med tan gray-brown-white color		
226-228	X	1/2	I			W C					√+	"				√+ √			√ √ "powdery"		√=				√	gray-brown color		
228-230	X	1/3	D			W C	√				√+	"				√+ √			√ √						√	same color (4⁰⁰ pm)		
230-232	X	1/2	I			W	√	E			√+	"				√+ √			√ √						√	dust: yellow tan gray, brown, white color		
232-234	X	1/2	D			W C	Y	E			√+	"				√ √			√ √ √ √							dust: yellow tan beige color		
234-236	X	1/3							√		√+	"				√+					√-				√	gray-brown color		
236-238	X	1/4	D			W C	√				√+	"				√									√	dust: TAN beige-white color		
238-240	X	1/3	D			C bands	√				√+	"				√		√	√		√-					gray-beige-white color (4²² pm)		
240-242	X	1/4				W	√				√+	"				√			√ √ √		√=				√	dust. med. tan gray color (4²⁷ pm)	0.4	.04
242-244	X	1/3				W C	√				√+	"				√+ √			√ √ √		√-			√	√	dust: gray brown white color		
244-246	X	1/4	D	√		W	Y				√	"				√ √			√ √ √						√	mix brown color	0.2	.06
246-248	X	1/5	I			C W					√-	√+				√					√=				√	brown colored RHYOLITE		

HOLE #: RP-3

BEARING: S 41 W T.D. 292
INCLINATION: -35°

GEOLOGIST: N. I. COLBURN

DATE: 5/1-2, 1976

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN: RHYOLITE	MAIN: MICROVEINLETS	MAIN: VEIN QUARTZ	"VEIN QUARTZ": 1/D INFILLING/WHITE	"VEIN QUARTZ": CLEAR CRYSTALLINE	"VEIN QUARTZ": W/C	"VEIN QUARTZ": "OPAL"	"VEIN QUARTZ": CHALCEDONY	"VEIN QUARTZ": G/Y	"VEIN QUARTZ": WHITE/CREAM	"VEIN QUARTZ": GREEN/YELLOW	"VEIN QUARTZ": A/E	"VEIN QUARTZ": GRAY/BEIGE	ALTERATION: BLEACHING SPOTS OR ZONES	ALTERATION: SILICIFICATION	ALTERATION: CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	ALTERATION: CLEAR FELDSPAR WHITE FELDSPAR (SI=silky)	ALTERATION: OTHER	FeOx: FeOx	FeOx: BRIGHT RED OR RED	FeOx: ORANGE OR SALMON	FeOx: DARK RED	FeOx: "CHROME" YELLOW	FeOx: LIMONITE - OCHRE	FeOx: AFTER PYRITE	FeOx: CLUSTER	FeOx: R/M/V RIM/MATRIX/VE	MnOx	OTHER: VEINLETS FRACTURES	OTHER: FLUORITE (GREEN/PURPLE)	OTHER: CALCITE/BARITE (PE PSEUDO)	OTHER: OTHER	FURTHER CHARACT.: VUGGY	FURTHER CHARACT.: POMICE - GLASS SHARDS	FURTHER CHARACT.: LITHIC FRAGMENTS	FURTHER CHARACT.: EUTAXITIC TEXTURE	FURTHER CHARACT.: MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	ASSAYS (ppm) Au
248-250	X	✓	1/5		✓	W				C				✓-	✓+		SI		✓	✓		✓	✓	✓			✓-						✓	✓	✓	✓		red brown color 5/1/76 (10.45 AM) SAMPLE SMALL DETERGENT USED DOWN HOLE		
250-252	X	✓	1/4	D	✓	W		E		C				✓	✓+		SI		✓	✓		✓	✓	✓			✓=						✓					red-brown gray color VEIN QTZ		
252-254	X		1/5	D		W	✓	Y	E	C	✓			✓+	✓+		SI		✓+	✓	✓		✓	✓	✓									✓		✓		same	0.2	<.02
254-256	X		1/4	D	✓	C		Y			✓			✓4	✓+		SI		✓+	✓			✓				✓							many ✓	✓	✓	✓		yellow, brown, gray color		
256-258	X	✓			✓	W			E					✓+	✓+				✓	✓		✓	✓	✓	✓		✓									✓		brown, gray mix color		
258-260	X		-	D		C		Y	A		✓			✓+	✓+				✓					✓	✓		✓-✓							✓				dust. dk gray pink-brown gray color		
260-262	X	✓	-	D	✓	C		Y			✓			✓	✓+				✓		✓			✓	✓		✓							✓				brown (gray) color		
262-264	X	✓	1/4			W W C		Y						✓	✓+				✓4	✓	✓		✓	✓	✓	✓	✓										✓		mix brown color	<0.2	<.02
264-266	X	✓	3/5	D	✓	C			E					✓	✓+	✓	✓		✓+	✓			✓	✓	✓	✓	✓-		? gum								✓		red, brown gray color QTZ BANDING		
266-268	X	✓	1/5		✓	W		Y	E					✓	✓+				✓4	✓	✓		✓	✓			✓-										✓		dust. red tan mix brown, beige color		
268-270	X	✓			✓	W C								✓-	✓+				✓+	✓		✓	✓	✓	✓		✓												mix brown-white color		
270-272	X		1/5	D	✓	W	✓		E A					✓-	✓+	✓	✓		✓+	✓	✓	✓	✓	✓	✓		✓-								✓		✓		dust. red tan	0.4	.11
272-274	X	✓	1/5	1	✓	W			E		✓			✓	"	✓			✓4		✓	✓	✓	✓			✓=										✓		mix, beige, white color dust. red tan		
274-276	X	✓	1/5	1		W			E A		✓			✓	"				✓+	✓	✓	✓	✓	✓			✓-										✓		mix brown, white color (1.02 ppm) beige, red, white color SMALL SAMPLE (1.10 ppm)	0.8	.03
276-278	X	✓				C W								✓	✓+				✓		✓		✓4																dust: brown (dk-wet?)		
278-280	X	✓	1/5		✓	W			E		✓			✓+	✓+				✓	✓	✓	✓															✓		pink-beige color. SOME LARGE FRAG. SHARDS mix pink-beige color. SMALL SAMPLE (1.30 ppm) NO BROWN BIC	0.4	<.02
280-282						PROBABLY										COMPOSITE																						SEVERAL LARGE FRAG. SHARDS WITH HOLE DETERGENT WET (COMPOSITE SAMPLE) 2.46 ppm		
282-284								LOST								SAMPLE																									
284-288	X	✓	1/4	D	✓	W			E		✓			✓	✓+	✓	✓		✓+	✓	✓		✓	✓			✓										✓		CLEAN OUT HOLE SLIM RECOVERY 5/2/76 dust. gray tan (4-FT. SAMPLE)	0.6	.03
288-290	X	✓	1/5	D	✓	W			E					✓	✓+	✓			✓+	✓	✓	✓	✓	✓	M		✓										✓		pink-brown-gray color. VEIN QTZ 10% brown-gray color. SHORT SAMPLE, BY 25% SOME OBSIDIAN	0.8	.07
290-292	X		1/2	D	✓	W		Y						✓+	✓+			✓ pale green feldspar	✓+		✓		✓	✓			✓-												HEM matrix m.ox. pink-brown, gray color VEIN QTZ 11.21 AM ONLY 30-35% RECOVERY	0.6	.09

BOTTOM HOLE 292'

after BUTTON to DRAG BIT: LOST HOLE

RP - 4

VEIN INTERVAL	FeOx INTERVAL
40-42'	36-38 to 42-44'
52-54'	54-56 to 66-68'
68-70 to 74-76'	
with center at 72-74'	86-88 to 108-110'
78-80 to 138-140'	with centers at 86-88', 90-92',
with centers at 90-92 to 116-118',	and 94-96' to 108-110'
	112-114 to 116-118'
136-138 to 146-148'	124-126 to 146-148'

TOTAL DEPTH: 148'

HOLE #: RP-

BEARING: N71° W T.D. 148'
INCLINATION: -55°

GEOLOGIST: N.I. COLBURN

DATE: 5/6/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN ROCK: RHYOLITE	MAIN ROCK: MICROVEINLETS	MAIN ROCK: VEIN QUARTZ	"VEIN QUARTZ": I/D INFERRED/DEFINITE	"VEIN QUARTZ": CLEAR CRYSTALLINE	"VEIN QUARTZ": W/C WHITE/CREAM	"VEIN QUARTZ": "OPAL" CHALCEDONY	"VEIN QUARTZ": G/Y GREEN/YELLOW	"VEIN QUARTZ": A/E GRAY/BEIGE	"VEIN QUARTZ": "INK"	ALTERATION: BLEACHING SPOTS OR ZONES	ALTERATION: SILICIFICATION	ALTERATION: CLEAR QTZ 'EYES'	ALTERATION: DARK OR BLACK QTZ 'EYES'	ALTERATION: CLEAR FELDSPAR	ALTERATION: WHITE FELDSPAR (sl=silky)	ALTERATION: OTHER	FeOx: FeOx	FeOx: BRIGHT RED OR RED	FeOx: ORANGE OR SALMON	FeOx: DARK RED	FeOx: CHROME YELLOW	FeOx: LIMONITE - OCHRE	FeOx: AFTER PYRITE	FeOx: CLUSTER	FeOx: R/M/V RIM/MATRIX/VE	MnOx	MnOx: VEINLETS	MnOx: FRACTURES	MnOx: FLUORITE (GREEN/PURPLE)	MnOx: CALCITE/BARITES (PE PSEUDO)	MnOx: OTHER	OTHER FURTHER CHARACT.: VUGGY	OTHER FURTHER CHARACT.: POMICE - GLASS SHARDS	OTHER FURTHER CHARACT.: LITHIC FRAGMENTS	OTHER FURTHER CHARACT.: EUTAXITIC TEXTURE	OTHER FURTHER CHARACT.: MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	ASSAYS (ppm) Au
6-8																																							NO SAMPLE		
8-10	X	√						E	√		√		√	√																							√		dust: yellow tan yellow color EFFECT? SURFACE WEATHERING		
10-12	X								√-				√					4+		√		√					4+							√				dust: same pink-yellow color		
12-14	X								√-			√-	√		sl			4+	√-	√		√+					4										√	FRAG, HEM microbx yellow color		
14-16	X								√			√-	√		sl			4		√		√+					4											dust: lt. yellow tan yellow pink color		
16-18	X								√			√	√					4+	√	√		√					4+							√		√		same color		
18-20	X											√			sl			4		√		√					4											yellow-pink-beige color		
20-22	X			√	W							√	√		sl			4+	√			√					4+	√										same color		
22-24	X								√			√			sl			4	√			√					√										√	lt. yellow tan color		
24-26	X	√		√					√			4+	√		sl			4		√		√	√				√-											dust med yellow tan yellow-beige-pink color		
26-28	X								√-			4+			sl			4+	√	√		√	√	√			√								??				dust same yellow-beige color		
28-30																																							NO IDENTIFICATION SAMPLE RECEIVED		
30-32	X	√		√					√			4+	√	√				√	√	√				√	√		√										√		pale yellow-beige color		
32-34	X	√						E	4+			4+	√					√	√	√	√	√					4+	√											cream-orange color		
34-36	X								√	4+		4+	√	√	sl			√		√							√											close packed phenocrysts		
36-38	X								√			4+		√	sl			4+		√	√	√		√			√										√		pale yellow-beige color		
38-40	X	√		√				E	4+			4+	√	√				4+		√	√	√		√			√							√			√		dust: lt. orange tan mix yellow beige color		
40-42	X	√		√		W		Y	4+			4+	√		sl			4+			√	√	√	√			√												dust: lt. tan mix yellow, tan, beige, white color		
42-44	X	√		I	√	W			√	√		4+	√	√	sl			4+			√	√	√	√			√												yellow-beige-white color		
44-46	X	√	1/4	I	√			E	√			4+			sl			4+	√		√	√					√												mix yellow-red color		
46-48	X	√	1/5		√							4+						√		√		√					4+										√		dust: med tan yellow beige color		
48-50	X	√	1/4		√		W		E	√		√-	ex	√	√	sl		4+		√							√										√	?	yellow-beige-pink color		
50-52	X		1/4	I	√		W					√	ex	√	√	sl		4+		√		√				R	√												yellow-beige-white color		
52-54	X	√	1/3	I	√		W		6E	√				√		sl		4+	√	√		√	tr				4+	√											dust: gray tan		

HOLE #: RP-4

BEARING: N71W T.D. 148'
INCLINATION: -55°

GEOLOGIST: N.I. COLBURN

DATE: 6/6/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN: RHYOLITE	MAIN: MICROVEINLETS	MAIN: VEIN QUARTZ	"VEIN QUARTZ": I/D INFERRED/DEFINITE	"VEIN QUARTZ": CLEAR CRYSTALLINE	"VEIN QUARTZ": W/C WHITE/CREAM	"VEIN QUARTZ": "OPAL" CHALCEDONY	"VEIN QUARTZ": G/Y GREEN/YELLOW	"VEIN QUARTZ": A/E GRAY/BEIGE	"VEIN QUARTZ": "PINK"	ALTERATION: BLEACHING SPOTS OR ZONES	ALTERATION: SILICIFICATION	ALTERATION: CLEAR QTZ 'EYES'	ALTERATION: DARK OR BLACK QTZ 'EYES'	ALTERATION: CLEAR FELDSPAR	ALTERATION: WHITE FELDSPAR (sl=silky)	ALTERATION: OTHER	FeOx: FeOx	FeOx: BRIGHT RED OR RED	FeOx: ORANGE OR SALMON	FeOx: DARK RED	FeOx: CHROME YELLOW	FeOx: LIMONITE - OCHRE	FeOx: after PYRITE	FeOx: CLUSTER	FeOx: R/M/V RIM/MATRIX/VEIN	MnOx	MnOx: VEINLETS, FRACTURES	MnOx: FLUORITE (GREEN/PURPLE)	MnOx: CALCITE/BARITES (PE PSEUDO)	MnOx: OTHER	FURTHER CHARACT.: VUGGY	FURTHER CHARACT.: POMICE - GLASS SHARDS	FURTHER CHARACT.: LITHIC FRAGMENTS	FURTHER CHARACT.: EUTAXITIC TEXTURE	FURTHER CHARACT.: MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	ASSAYS (ppm) Au
54-56	X	1/2			√	W C		E			√+	√-	+/+	√	√				+/+		√	√	√	√	R	√											dust: pink-tan red-beige mix color		
56-58	X	1/4			√	√ W C		E	√		√+		ext	√		sl			+/+		√		√		R	√+							√		√		dust: pink tan pink-beige-gray color		
58-60	X										+/+		ext			sl			+/+	√	√	√	√	√	√	R	√-										dust: same dk. red-white color		
60-62	X	√			√						√+		ext	√					+/+		√	√+					√-										dust: orange-dark yellow-pink-white color		
62-64	X			I		W					√+		+/+						+/+	√	√		√	√	√												mix beige-FeOx color		
64-66	X			I		W		E	√		√+		ext	√					+/+	√	√	√	√	powdery			√							√			dust: med dk orange beige-FeOx color		
66-68	X										+/+		ext			sl			+/+	√	√	√	√	powdery			√-							√			mix white-dk red color		
68-70	X	√	1/3	I	√	W		E			+/+		ext	√	?			√ kaolin 7tak	+/+		√	√		powdery									?				dust: med dk orange-pink mix white-red color POSS. FLT?		
70-72	X		1/4	I	√	W C		E			√+		ext	√		sl			+/+		√		√		√		√									√	dust tan "GOOD RHYOLITE		
72-74	X		1/2	I	√	W		E	√		√+		ext								√	√		√			√-										beige color		
74-76	X		1/2	I	√	W		YE					+/+		√	sl			√+								√							√			dust. yellowgray, tan yellow-beige (white) color		
76-78	X	√				W		E					+/+	√					+/+	√				√			√-										yellow-beige-pink color		
78-80	X			I		W		YE	√				+/+	√		sl			√+		√		√	√			√	√							√		dust. orange tan pink-beige (yellow) color		
80-82	X	√	1/4	D		W	√	E	√				ext	√				√ kaolin 7tak	√+		√		√				√-										dust. lt. orange-tan yellow-beige-white color		
82-84	X		1/4	I	√	W		E					+/+			sl			√+		√			√			√										same color		
84-86	X	√	1/3		√	√ W					√-		+/+	√					+/+	√	√						√-										yellow-pink-beige color		
86-88	X			I	√	W		YE			√-	√-	ext	√					+/+	√	√		√	√	√	R	√										mix yellow-red-beige color	<0.2	.02
88-90	X			I		W	√	E	√		√-		ext	√		sl			+/+	√	√		√				√-										yellow-beige color		
90-92	X		1/2	D	√	√ W		YE			√-		ext						√+	√	√		√	√	√												dust: lt. tan mix pink-beige-yellow color QTZ BANDS	<0.2	.03
92-94	X	√	1/2	D	√	√ W C		A	√				ext	√		sl			+/+	√	√		√				√+									W			
94-96	X		3/4	D	√	√ W		YE	√				ext	√					+/+		√		√	√	√		?						√				mix beige, pink white color VEIN QTZ	0.2	.08
96-98	-	√	2/3	D	√	√		YE A					ext	√	√	sl			+/+		√			√	√		√							?	?		dust: orange tan		
98-100	-	√	3/4	D	√	√		√G					ext		√	sl			+/+	√	√	√	√	√	√		√										dust. orange tan VEIN QTZ mix yellow-beige-pink color		
100-102	-		4/5	D	√	C		YE	√				ext	√					+/+	√	√	√	√	√			√										dust: lt. pink tan VEIN QTZ mix pink-yellow-beige color		

HOLE #: RP-4

BEARING: N71W T.D. 148'
INCLINATION: -55°

GEOLOGIST: N.I. COLBURN

DATE: 5/6/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	L/D INTERGRANULAR/PENINTE	CLEAR CRYSTALLINE	W/C WHITE / CREAM	"OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	"PINK"	BLEACHING SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	CLEAR FELDSPAR WHITE FELDSPAR (Sl=silky)	OTHER	FeOx	BRIGHT RED OR RED	ORANGE OR SALMON	DARK RED	CHROME YELLOW	LIMONITE - OCHRE	AFTER PYRITE	CLUSTER	R/M/V RIM/MATRIX/VEIN	MnOx	VEINLETS, FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITE (PE PSEUDO)	OTHER	VUGGY	POMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) AG	AU
102-104	X	√	1/3	D	√	W		G			√-	ext	√			4+	√	√	√		√	√												√	mix pink-red-gray color VEIN QTZ		
104-106	X	√	1/3	D	√	√	W	√		√		ext	√	√ OPAL		4+	√		√	√	√	√			√									√	mix beige-red-white color VEIN QTZ		
106-108	X		1/2	D	√	√	W		E	√	√	ext	√		sl	4+	√	√	√			√														dust: lt. orange " "		
108-110	-		2/3	D	√	√		(Y G)	E	√	√-	ext	√			4+	√		√	√	√	√									√				mix FeOx-white color mix yellow-beige-white color VEIN QTZ	<0.2	.06
110-112	X		1/2	D	√	W	C	Y	E			ext	√			4+	√		√	√	√														cream-beige-yellow color		
112-114	X		1/3	D	√	√				√	√-	ext	√	√		4+		√	√	√		√			√-					X mus? MICA					dust: pale orange-tan		
114-116	X	√	1/3	D	√	W		G Y	E	√		ext	√			4+			√	√		√													pink, beige, tan color mix yellow, red, pink, beige color		
116-118	X	√	1/4	D	√	√	W		E		√	ext	√		sl	4+		√	√	√		√	√		√-										mix red, yellow, beige color		
118-120	X	√	-	D	√	√	C W	Y	A			ext	√			4+	√	√		√					√-										dust: orange tan SURFACE? beige-white color CONTAM		
120-122	X	√	1/4	D	√		C		E		√-	ext	√		sl	4+	√	√				√	√	√	√-					X clay?				√	beige-pink color	<0.2	<.02
122-124	X	√	1/5	D	√	√	W		E A			4+	√	√	sl		√		√			√	√											√	deep yellow lith w/diffuse dk. red halo mix beige pink color		
124-126	X	√	-	D	√	√	W		E	√	√-	ext	√		sl	4+			√	√	√	√			√-					√ white MICA					mix FeOx-beige-pink color	<0.2	<.02
126-128	X	√	-	D	√		W	√				ext	√		sl	4+	√	√-		√	√	√	√-													mix pink, yellow, beige color SEVERAL GRAINS, METALLIC PYRITE	<0.2	<.02
128-130	X		-	D	√			Y	A	√		ext		√	sl	4+	√	4		√		√		?	√					√ BIO				√	red-gray color	<0.2	<.02
130-132	X		-	D	√	√	W		E			4+			sl	4+	√			√		√			√-					V white MICA					dust: lilac PYRITE		
132-134	X		1/5	D	√	√		√		√		4+		√	sl	4+				√	√	√			√-					√ BIO					dust: gray tan	<0.2	<.02
134-136	X	√	1/5	D	√		W		Y	E		4+	√	√	sl	4+		√	√	√	√	√			√-										dust: yellow tan pink, beige, FeOx color PYRITE	<0.2	<.02
136-138	X	√	1/2		√	√	W C	Y		√		ext	√	√	sl	4+		√	√		√	√	√															
138-140	X	√	1/2	D	√	√	W		E A			ext	√		sl	4+			√	√		√								√ BIO				√	pink beige color VEIN QTZ striated PYRITE CUBE	<0.2	<.02
140-142	-	√	3/4		√	C		G	E A			ext	√		sl	4+	√			√		√	√		√+										yellow, beige, pink, gray mix VEIN QTZ	<0.2	<.02
142-144	-		3/4	D	√		W	Y	E A			ext	√	√	sl	4+				√	√	√	√		?										QTZ BANDS " " beige, yellow, mix color		
144-146	-		3/4	D	√	√	W	Y	E	√		ext	√	√		√ BIO	4+				√	√	√			√-		?								same color VEIN QTZ	<0.2	<.02
146-148	-	√	3/4	D	√	√	W	√	Y	E		ext	√		√		4+	√		√	4	√	√	√												dust: lt. beige " " white, beige-FeOx color	<0.2	<.02

BOTTOM OF HOLE 148'

RP - 5

VEIN INTERVAL	FeOx INTERVAL
	28-30 to 38-40'
	74-76'
82-84 to 90-92' *marginal*	90-92'
94-96 to 100-102'	98-100 to 112-114'
112-114'	

TOTAL DEPTH: 114'

HOLE #: RP-5

BEARING: N 34 E T.D. 114'
INCLINATION: -70°

GEOLOGIST: N.I. COLBURN

DATE: 5/7/76

PROJECT: ROSEDALE, N. MEX.

RP5 INTERVAL (FEET)	MAT. RHYOLITE	MAT. MICROVEINLETS VEIN QUARTZ	"VEIN QUARTZ" L/D INFILLED/DEFINITE	"VEIN QUARTZ" CLEAR CRYSTALLINE	"VEIN QUARTZ" W/C WHITE/CREAM	"VEIN QUARTZ" "OPAL" CHALCEDONY	"VEIN QUARTZ" G/Y GREEN/YELLOW	"VEIN QUARTZ" A/E GRAY/BEIGE	ALTERATION BLEACHING SPOTS OR ZONES	ALTERATION SILICIFICATION	ALTERATION CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	ALTERATION CLEAR FELDSPAR WHITE FELDSPAR (SI=silky)	ALTERATION OTHER	FeOx FeOx	FeOx BRIGHT RED OR RED ORANGE OR SALMON	FeOx DARK RED	FeOx CHROME YELLOW LIMONITE - OCHRE AFTER PYRITE	FeOx CLUSTER R/M/V	FeOx RIM/MATRIX/VEIN	MnOx MnOx	OTHER VEINLETS FRACTURES FLUORITE (GREEN/PURPLE) CALCITE/BARITE (PEPSEUDO) OTHER	FURTHER CHARACT. VUGGY	FURTHER CHARACT. POMICE - GLASS SHARDS	FURTHER CHARACT. LITHIC FRAGMENTS	FURTHER CHARACT. EUTAXITIC TEXTURE	FURTHER CHARACT. MICRO BRECCIA	NOTES	ASSAYS (ppm) AG	ASSAYS (ppm) AU
10-14	X?			V	W		E		V	V+	V V	V	V dk tan bio?	V+	V	V	V	V	V frax	V=				V			dust: lt. pink, tan soft-white - kaolin/talc?		
14-16	X	-	I		W				V	V+	V	V SI	V SOFT WHITE	V	V-	V	V	V R V		V=							dust lt. pink tan kaolin/talc mix white-red color		
16-18	X			V					V	V	V	V V		V+		V	V			V-							dust: pink tan mix white-red color		
18-20	X				W		E		V	V	V V	SI		V+		V				V V				V			dust: red tan mix red-white-beige color		
20-22	X								V		V V	V	V WHITE MICA?	V+			V powdery			V				V			dust: tan		
22-24	X								V	?	V			V+			V			V				V			dust: dk. tan (damp?) POSS. SURFACE CONTAM " "		
24-26	X						E	V	V-	V	V	SI		V+		V	V powdery			V							beige-red mix color		
26-28	X V			V			E		V+		V V	SI		V+			V powdery			V							dust. dk. red brown (damp?) beige, red-brown mix color		
28-30	X						E		V		V V	SI		V+		V	V te powdery							V			dust: same SURFACE? cream-red brown color MATERIAL		
30-32	X				C				V		V	SI		V+	V	V	V powdery	R		V							red-cream-brown color		
32-34	X				C				V-		V V	SI		V+		V	V			V							same		
34-36	X								V V		V V	SI		V+	V-	V	V powdery			V-							mix cream, red, brown color SOME UNWELD FRAGMENTS		
36-38	X V			V			E		V		V	SI		V+		te	V			V-							dust: red red tan SURFACE? red, brown, beige color		
38-40	X							V	V	V	V	V V		V+	V-		V powdery			V=							cream, FeOx color		
40-42	X				C				V-	V-	V	SI		V+	V		V			V=				V			dust: dk. red tan cream, beige, FeOx color		
42-44	X								V-	V+		V SI		V+	V		V	R									same color		
44-46	X							V	V-	V+	V	SI		V+	V	V te	V V			V=							dust. red tan beige-red mix color		
46-48	X								V	V	V	SI	V bio?	V+	V	V	V powdery	V		V-				V			mix beige, red color		
48-50	X						E		V	V	V V	SI		V+	V	V	V			V-							mix beige, pink, FeOx color		
50-52	X V				W				V-	V	V V	SI		V+	V	V	V			V-							dust: dk. red red, brown, white, beige color		
52-54	X						E		V-	V	V	SI		V+	V		V	R		V				?			mix red, cream color		
54-56	X			V V			E		V V-	V	V V	SI		V+	V V		V			V							dust: red tan		
56-58	X V			V			E		V	V	V	SI		V+	V V		V powdery								V		dust: red BRECCIA ZONE		

HOLE #: RP-5

BEARING: N 34 E T.D. 114'
INCLINATION: -70°

GEOLOGIST: N.I. COLBURN

DATE: 5/7-8, 1976

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	RHYOLITE MICROVEINLETS	VEIN QUARTZ	"VEIN QUARTZ" D INFERRED/DEFINITE	CLEAR CRYSTALLINE	W/C WHITE/CREAM	"OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	"SILICIC"	ALTERATION BLEACHING SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	CLEAR FELDSPAR WHITE FELDSPAR (sl=silky)	OTHER	FeOx FeOx	BRIGHT RED OR RED	ORANGE OR SALMON	DARK RED	CHROME YELLOW	LIMONITE - OCHRE after PYRITE	CLUSTER	R/M/V RIM/MATRIX/VEIN	MnOx	VEIN LETS, FRACTURES FLUORITE (GREEN/PURPLE) CALCITE/BARITES (PE PSEUDO) OTHER	VUGGY	POMICE - GLASS SHARDS LITHIC FRAGMENTS EUTAXITIC TEXTURE MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	Au
58-60	X	√				√		E		√	√-	√		sl		¼	√	√		√		R				?	dust. red.		
60-62	X							E		√-	√+	√		sl		¼+	√	√		√-√	powdery		√				Lysengang pink-beige color		
62-64	X	√	√		W			E		√+	√+	¼+	√	sl		¼	√	√		√							SAME		
64-66	X	√	√	√		C		E		√		¼	√	sl		¼+	√	√	√	√		R M	√				SAME		
66-68	X	√		√		W					√+	¼+	√	sl		¼+		¼		√			√-				SAME		
68-70	X	¼				W		E		√+		¼+	√	sl		¼+	√	√+		te √							white, red color		
70-72	X	⅕	D	√	√	C		E	√	"	"		√	sl		¼+	√	√	√	√			√			√	red-cream color		
72-74	X	¼		√	√	W	G	E		√		¼+	√	sl		¼		¼	¼	√		V	√-				white-multi FeOx color		
74-76	X	√	I	√				E		√	√+		√	sl		¼+	√			√	te te		√-				dust. red 8 MAY 1976		
76-78	X	√	I	√				E		√	√	¼+	√	sl √	√ BIO?	¼+	√	√		√			√-			√	mix red white color (9.40 AM) mix red, beige, white color. CLOSED PACKED PHENOCRYSTS.		
78-80	X	√	¼	I	√	C		E	√	√		¼+	√	sl		¼	√	√+		√			√-				dust: med. red-brown beige, red, pink		
80-82	X	¼	I	√		C		E		√		ext	√	sl		¼		√		√			√-				dust: brown		
82-84	X	√-	⅓	D	√	C?		E		√-		ext		sl		√+	te	√	√	√			¼+				almost no dust	<0.2	<.02
84-86	X	√	⅕	D	√	W		E		√-		ext	√	sl	√ WHITE SOFT	√		√	√	te	√					√-	mix brown, beige, red color almost no dust		
86-88	X	√	⅓	D	√	C		E	√	√		¼+	√	sl	√ ALT. BIO?	√	√		√	√		R	√			√	beige-gray color. kaolin/talc? dust: med tan POSS SURFACE CONTAM.	0.2	.03
88-90	X	√	¼	D	√	W C		E	√			ext	√	sl		¼		√	√	√	√		¼ increase			√	mix white, dk. brown color CONTAM. dust. dk. brown POSS. SURFACE CONTAM.		
90-92	X	√	⅕	D	√			Y	E	√		ext		sl		¼+		√		√	√	R	¼	√			dust. dk. gray-black POSS SURFACE CONTAM.	0.2	.03
92-94	X	√		D	√	C	√	E	√	√		¼+	√	√ sl		¼		√		√	√	R	¼	√			Lysengang. m. breccia ROUNDED dust. red, dk. brown (10.15 AM FULL PIPE) mix brown, beige, pink, black color		
94-96	X	√	⅓		√	W		E	√			¼+	√	√ sl	√ WHITE SOFT	¼		√		" Lysengang"	√	R M	√-			√	dust. med. red, brown (5-10% SURFACE, kaolin/talc. GROUND VERY SOFT (4/5 SAMPLES)	1.6	.12
96-98	X	√	⅗	D	√	W C	Y G	A E				ext	√	sl	√ WHITE SOFT	√+				√	te √		¼			W	" " , DRILLING EXT. SOFT. VEIN QTZ. LARGER SAMPLE SIZE		
98-100	X	√+	½	D	√	C	√	Y G	E A	√	√	ext	?	sl,		¼		√		√	√	R M	¼	√		W	red, dirty green-gray, beige color VEIN! RIGHT SIZE SAMPLE	4.6	1.0
100-102	X	√	⅖	D	√	W	√	G Y	E A	√	√	ext	√	sl		¼		√		√	√	M	¼+	√		W	SINGLE SPECK py? Au? VEIN. SAMPLE LARGE BY 35%	5.0	.96
102-104	X	√	¼	D	√		√	Y G	E		√	ext	√	sl		¼		√	√	√	√		¼+			√	black coating SAMPLE LARGE BY 20%	.	.25

HOLE #: RP-5

BEARING: N 34 E T.D. 114'
INCLINATION: -70°

GEOLOGIST: N.I. COLBURN

DATE: 5/8/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAT. RHYOLITE	MICROVEINLETS	VEIN QUARTZ	L/D INFILLED/PLEMITE	CLEAR CRYSTALLINE	W/C WHITE/CREAM	"OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	ALTERATION BLEACHING SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	CLEAR FELDSPAR WHITE FELDSPAR (SI=silky)	OTHER	FeOx BRIGHT RED OR RED	ORANGE OR SALMON	DARK RED	CHROME YELLOW	LIMONITE - OCHRE	AFTER PYRITE	CLUSTER	R/M/V RIM/MATRIX/VE	MnOx VEINLETS FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITE (PE PSEUDO)	OTHER	FURTHER CHARACT. VUGGY	POMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) AG	AU
104-106	X	V	1/4	D	V		C	V	E	V	ext	V	V	sl		1/4		V	V	V			V				V				W	black coating SAMPLE LARGE BY 10%	2.2	.23
106-108	X	V	1/5	D	V			V	Y A E	V	ext	V	V	sl V		1/4	V		V				1/4 V ? pale violet								W	black coating SAMPLE LARGE BY mix pink-beige-gray-FeOx color 15%		
108-110	X	V	1/8	D	V			V	G E	V	V	ext	V	V		1/4	tr		V	V	V	V	V								V	SAMPLE NORMAL SIZE (UPHOLE) POSS. CONTAM.	0.6	.23
110-112	X	V	1/6	D	V			V	Y E A	V		1/4	V	V sl	V black BIO	1/4	V		1/4	V	V	V	R	1/4	V						W	mix. beige gray FeOx color		
112-114	X	V	1/3	D	V	V	W	V	O	V		ext	V	sl		1/4	V	V	V	V	V	V		1/4							W	SAME CAVING EXTREME	0.8	.12
(114-116)				(NO SAMPLE)																												3-FEET CUTTINGS AT BOTTOM HOLE		

RP - 6

VEIN INTERVAL	FeOx INTERVAL
44-46'	
56-58 to 60-62'	56-58 to 60-62'
68-70 to 80-82'	66-68 to 80-82'
	90-92 to 92-94'
94-96 to 132-134' with centers at 96-108' and 112-114', 118-120 to 120-122'	96-98 to 118-120'
	122-124 to 130-132'
	134-136 to 152-154'
142-144 to 152-154' with center at 150-152'	

TOTAL DEPTH: 154'

HOLE #: RP-6

BEARING: 0° E T.D. 154'
INCLINATION: -70°

GEOLOGIST: N.I. COLBURN

DATE: 5/8/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN "VEIN QUARTZ" ALTERATION: RHYOLITE MICROVEINLETS	VEIN QUARTZ	HD INFERRED DEFINITE	CLEAR CRYSTALLINE	W/C WHITE / CREAM "OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	BLEACHING SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	CLEAR FELDSPAR WHITE FELDSPAR	OTHER	FeOx: FeOx	BRIGHT RED OR RED ORANGE OR SALMON	DARK RED CHROME-YELLOW LIMONITE-OCHRE AFTER PYRITE	CLUSTER R/M/V	RIM/MATRIX/VE	MnOx: MnOx	VEINLETS, FRACTURES FLUORITE (GREEN/PURPLE) CALCITE/BARITE (PE PSEUDO) OTHER	FURTHER CHARACT.: VUGGY	POMICE - GLASS SHARDS LITHIC FRAGMENTS EUTAXITIC TEXTURE MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	Au
6-8	X						E	V	V+	V	V SI		V+	V	V	M R						mix red + white-tan color		
8-10	X							V	V+	V	SI		V+	V	V V V	V FRAG						dust. pink-tan red-tan-beige color NUMEROUS PHENOCRYSTS		
10-12	X	V ½	D	V				V V	ext	V	SI	? SOFT WHITE	V+	V	V V	M R	V=			?	V			
12-14	X							?	ext	V	SI	V SOFT WHITE	V+		V V	V M						dust. H. pink-tan 1/3 kaolin/talc		
14-16	X	V	D	V V			E	V	ext	V V	SI	V SOFT WHITE	V+	V	V V	R M						dust. pink-orange 1/2 kaolin/talc		
16-18	X	tr	D		W	G Y		ext	ext	V	SI	V "	V+	V V	V V	R M					V	1/2 kaolin/talc possible fault? zone		
18-20	X	½	D	V	C	V E		V+	V+	V	SI		V+	V	V V	M R					?	1/2 FeOx reds + 1/2 cream color. bleached breccia zone?		
20-22	X	tr		V			V	V+	V+	V	SI		V+		V V V	R	V=				V	dust. yellow		
22-24	X	V		V			E	"	ext	V	SI		V+		V V V						V	mix beige, yellow, red color		
24-26	X	V		V			A	V+	V+	V	SI		V+		V V		V=					dust. yellow tan beige-gray color		
26-28	X							V+	V+	V	V		V+	V	V	V FRAG					V	dust. pale tan		
28-30	X			V			E	V	V+		SI		V+	V V	V	M	V+					mix red-brown + white color.		
30-32	X	tr	I			G	E	V+	V+	V V	SI		V+	V	V V V	M R	V+				V V	dust. darker gray		
32-34	X	V	tr	I V	W	V	E	V	V+	V	V		V V				V V				V	FRESH APPEARING, NUMEROUS PHENOCRYSTS		
34-36	X	tr			W		E	V	V+		V		V V		V V		V+					red-brown color. FRESH, APPEARING NUMEROUS PHEN.		
36-38	X	tr			V	W	A	V+	V+	V	SI	V SOFT WHITE	V+	V	V V V	V	V		V BIO?		V V V	kaolin/talc material		
38-40	X	V		V	V		E		V+	V	V		V V		V V	V	V				V V	dust. pink-purple		
40-42	X				C			V V	V+	V	SI		V+		V V V	tr R	V=					pink-gray color		
42-44	X	V			V	W		V	V+	V			V+	V	V V	V R						same		
44-46	X	V	½	D	V	W	V Y	V	V+	V	SI		V+		V	R	V-					closed packed phenocrysts pink-brown color		
46-48	X							V	V+	V	V V		V		V V						V			
48-50	X							V	V+		SI		V+	V	V V V	R						pink-brown color		
50-52	X				C		E	V	V+	V	SI		V+	V	V V	R	V V FRAG					dust. pink-tan mix beige-red color		
52-54	X	V	⅛	D	V	W	E		V+	V	SI		V+		V V V	R	V=				V	NUMEROUS PHENOCRYSTS mix beige-red color	0.2	.04

HOLE #: RP-6

BEARING: 0°E T.D. 154'
INCLINATION: -70°

GEOLOGIST: N.I. COLBURN

DATE: 5/8-9/1976

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	ROCK TYPE: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	%	"VEIN QUARTZ": INFERRED/DEFINITE	CLEAR CRYSTALLINE	W/C "OPAL"	WHITE/CREAM CHALCEDONY	G/Y	GREEN/YELLOW	A/E	GRAY/BEIGE	"PINK"	ALTERATION: BLEACHING-SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ/EYES' DARK OR BLACK QTZ/EYES	CLEAR FELDSPAR WHITE FELDSPAR (SI=silky)	OTHER	FeOx: FeOx	BRIGHT RED OR RED ORANGE OR SALMON	DARK RED CHROME YELLOW	LIMONITE-OCHRE after PYRITE CLUSTER	R/M/V RIM/MATRIX/VEIN	MnOx	VEINLETS, FRACTURES FLUORITE (GREEN/PURPLE) CALCITE/BARITE (PE PSEUDO) OTHER	FURTHER CHARACT.: VUGGY	POMICE-GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	Au
54-56	X	√	tr		D			√						√	++	√		sl		√		√										mix pink-beige color		
56-58	X		1/5		D		W	√	G	E	A				++	√		sl		++	√	√	√	M		√-			√			red-tan mix color	<0.2	.04
58-60	X		1/5		I		C			E		√		√	++	√	√	sl	√ SOFT WHITE	++	√	√	√	tr	M							kaolin/talc CONTINUES.		
60-62	X	√	1/3		D	√	C			E		√			++	√		tr sl		++	√	√	√			√-			√			dust: dk orange tan	0.4	.33
62-64	X		1/4			√				E		√			ext	√				++		√		√		√+				√		pink beige color		
64-66	X	√	1/3		D	√				E					ext	√	√	sl		++		√	√			√						same		
66-68	X	√	1/4		I	√				E		√		√	ext	√		√		√		√		√	√	√				√		dust. dk orange		
68-70	X	√	1/4		D	√		√	Y	E	G				ext	√		√		++	√	√	√		M DX	√				√		mix gray-red-beige color red-beige-gray mix color	0.4	.08
70-72	X	√	1/4		D	√		√	Y	E	A			√+	ext	√		sl		++		√		√	√	M DX				√	√	micro breccia-HEM matrix tan-brown-white color		.09
72-74	X	√	3/4		D			√	Y	E	G A			√	ext			sl		++	√	√		√			√+		√		√	10% LARGE SAMPLE GOOD VEIN QTZ (med-dk green)		.57
74-76	X	√	1/2		D	√		√	Y	E	G A			√+	ext	√		sl		4	√	√		√		V R	√+					same 74-78 DOUBLE SIZE [4-ft] BECAUSE CAVING AROUND VEIN (74-78) 9 MAY 76	5.2	.92
78-80	X		2/5		D	√	√		√	G	E			√+	ext	√				4	√	√	tr	√	√		√+			√	√	dust. dk gray large frag. sample FeOx rim-bleached RHY	0.4	.38 .19
80-82	X	√	1/4		D	√	C	√	G	E	Y				++	√		√		√+		√	tr				√+			?	√	mix gray, beige, pink-brown color QTZ BANDS		
82-84	X											√		√+	++	√		√		4			tr	√		M DX	√			√	√	red-brown color, LARGE (3cm) SAMPLE FRAG. Lysengang FeOx-beige color matrix		
84-86	X	√	1/5		D	√	W	√		E				√+	++	√		√		4	√	√	√				√+	√			√				
86-88	X	√	1/5		D	√		√	G	E	A	√		√	ext	√	√	√ sl		++	√		√	√	√		√	√ Qtz			W	SOME LARGE SAMPLE FRAG.	0.6	.22
88-90	X	√	1/5		D				G	E	A	√		√	++	√		sl		√	√	√	tr	√		M	√+				√	same. (bleached-WHITE RHY) browns: red-beige color.		
90-92	X		1/5		D	√		√		A				√+	++	√		sl		++		√	√	√			√				√	SOME LARGE SAMPLE FRAG.	0.2	.10
92-94	X	√	1/6		D		W		Y			√		√+	ext	√		sl		++		√	√	√	√		√			√	√	dust. med. tan mix red-beige-white color	0.2	.11
94-96	X	√	1/4		D		W	√	G	E	A	√		√-	++	√		√		√	√	√	√	√			√		√	√	√	dust. med. tan, PHENOCRYSTS CLOSE PACKED, LYSENGANG, LARGE SAMPLE FROS. CAVING.		
96-98	X	√	2/3		D	√		√	G	E	Y A	√		√+	ext	√		sl		++	√	√	√		√	√	++	√			√	dust. tan mix color	1.8	.20
98-100	X	√	3/4		D	√	W	√	G	E	Y A	√		√+	ext		√	√		++	√	√	√	√			√-				√	dust. tan mix beige-red-yellowgreen		
100-102	X		1/2		D		W	√	G	E	Y A	√		√+	ext	√		√ sl		++	√	√	√	√		R					√	same	1.2	.18
102-104	X	√	1/2		D		W	√	Y	E	G	√			ext	√		sl		++	√	√	√	√	√	M	√				W	beige-pink-gray color		

FEATURES OF VEIN EDGE BANDS SAME

SILICIC BRECCIA

HOLE #: RP -

BEARING: 0°E T.D. 154'
INCLINATION: -70°

GEOLOGIST: N.I COLBURN

DATE: 5/9/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN ROCK: RHYOLITE	MAIN ROCK: MICROVEINLETS	MAIN ROCK: VEIN QUARTZ	"VEIN QUARTZ": I/D INFERRED/DEFINITE	"VEIN QUARTZ": CLEAR CRYSTALLINE	"VEIN QUARTZ": W/C WHITE/CREAM "OPAL" CHALCEDONY	"VEIN QUARTZ": G/Y GREEN/YELLOW	"VEIN QUARTZ": A/E GRAY/BEIGE	"VEIN QUARTZ": "FLINT"	ALTERATION: BLEACHING SPOTS OR ZONES	ALTERATION: SILICIFICATION	ALTERATION: CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	ALTERATION: CLEAR FELDSPAR WHITE FELDSPAR (SI=silky)	ALTERATION: OTHER	FeOx: FeOx	FeOx: BRIGHT RED OR RED	FeOx: ORANGE OR SALMON	FeOx: DARK RED	FeOx: CHROME YELLOW	FeOx: LIMONITE - OCHRE	FeOx: AFTER PYRITE	FeOx: CLUSTER	FeOx: R/M/V RIM/MATRIX/VEIN	MnOx	MnOx: VEINLETS, FRACTURES	MnOx: FLUORITE (GREEN/PURPLE)	MnOx: CALCITE/BARITE (PE PSEUDO)	MnOx: OTHER	FURTHER CHARACT.: VUGGY	FURTHER CHARACT.: PUMICE - GLASS SHARDS	FURTHER CHARACT.: LITHIC FRAGMENTS	FURTHER CHARACT.: EUTAXITIC TEXTURE	FURTHER CHARACT.: MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	ASSAYS (ppm) Au
104-106	X	√	4/5	D	√	W	√ Y G A	E	√		ext	√	sl			1/4	√	tr	√			1/4	√			√					√		√	dust. orange tan VEIN mix + FeOx, green color		
106-108	X	√	2/5	D	√	√ W	√ G Y	E A			ext	√	√			1/4	√		√			1/4	√	R		√							√	dust. med tan pink-beige color	0.6	.10
108-110	X	√	1/5	D	√	√	√ Y	E	√	1/4	ext	√	√ sl			1/4	√	tr		√	√	√	√	M R		√-					√		√	dust. yellow tan mix pink, beige, gray, yellow color		
110-112	X	√	1/2	D	√	W	√ Y G	E A	√		ext	√	√ sl			1/4	√	tr	√		√	√	√	R		√-					√		√	dust. tan one remnant mass FeOx after py	0.8	.15
112-114	X	√	4/5	D	√	√ W C	√ Y G	E A		1/4	ext	√	sl			1/4	√		√	√				R M		√				√		√	√	dust. tan (gray) mix color CRYPTO-STRUCTURES IN QTZ		
114-116	X	√	1/4	D		W	Y G	A	√	1/4	ext	√	√-	√		1/4			√	√	√	√	√			√ √				√			√	dust. yellow tan beige pink color	1.2	.14
116-118	X	√	1/4	D	√	√	√ Y	A E	√	√-	ext	√	√	sl		1/4	√		√		√	√-		R		√							√	dust. gray tan		
118-120	X	√	1/2	D	√	W	√ Y G	A E	√	√	ext	√	sl			1/4	√		√		√	tr	√			1/4							√	dust. gray tan mix beige-pink color	1.4	.11
120-122	X	√	2/5	D		W	√ Y	E A	√		ext	√	sl			1/4	√		√	√	√					1/4	√								dust. gray pink color		
122-124	X	√	1/4	D		W	Y G	E		√	ext	√	√ (ZONED?) sl			1/4	√			√	√	√		M R		√							√	dust. pink tan mix pink-beige-FeOx color	1.6	.09
124-126	X	√	1/4	D		W	√ Y G	E A		√-	ext	√	√			1/4	√		√	√		√-		M		√-					√		√	dust. pink tan pink-red, minor beige-white color		
126-128	X	√	1/3	D	√	√ C	√ Y G	E A	√	√-	ext	√	√ sl			1/4		√	√	√	√	√				√							√	dust. pink-gray tan BEIGE ALT. RIM pink-beige, gray color TO QTZ VNLT.	0.6	.13
128-130	X	√	1/4	D	√	W		E	√	√	ext	√ ?	√ sl			1/4	√		√	√	√	√-				√						√	W	dust. med tan mix pink-beige color		
130-132	X	√	1/5	D	√	W C	√	Y E	√	√	ext	√	sl √			1/4	√		√	tr	√	tr				√=								dust. tan mix red-brown, all color	0.4	.08
132-134	X		1/6	D			√	Y G	E A		ext	√	√ sl			1/4	√				√	tr		R		√								same		
134-136	X	√		D	√	√	√ G	E		√	ext	√	√			1/4			√	√	tr	1/4	√			√ √ VNLT							√	dust. tan MAINLY MICROVNLTS. red-tan beige-gray color	0.4	.09
136-138	X	√		D	√		√ G	E A		√	ext	√	√		√ SOFT WHITE	1/4		√	√		√	1/4	√ fg.		√ √ VNLT								√	dust. orange tan MAINLY M. VNLTS pink, beige, white color KAOL/TALC		
138-140	X	√	1/6	D	√			A E	√	1/4	ext	√	√	√	√ BIO?	1/4			√	√-	√	1/4	√		√-									dust. orange tan, lighter FeOx-beige-white color	0.4	.14
140-142	X	√	1/6	D	√			E		1/4	√	ext	√	√	√	1/4			√	√	√	tr		R							√				dust. orange tan red-brown-white mix		
142-144	X	√		D	√	W	√ Y	E A		√	√+	ext	√	sl		1/4	√	√			√	1/4	√	R		√							√	dust. orange tan MAINLY mix all colors MICROVEINLETS	0.4	.09
144-146	X	√		D	√	W	√ Y	E A		√		ext	√	√		1/4		√	√	tr	√	√	√			√ √ VNLT							√	dust. orange tan		
146-148	X	√	1/6	D	√	W	√ Y G	E A	√	1/4	1/4	√	√ sl		√ SOFT WHITE	√+	√	√		tr	√	√-				√					√		√	mix FeOx + white-beige color kaolin-talc QTZ BANDS	0.4	.09
148-150	X	√	1/5	D	√	W C	√	A E	√	√		ext	√	sl		1/4		√	√	√	√	√	√	R V		√-								dust. med-orange tan LYSENGANG brown, orange (FeOx) gray color		

HOLE #: RP-6

BEARING: 0° E   T.D. 154'
INCLINATION: -70°

GEOLOGIST: N.I. COLBURN

DATE: 5/9/76

PROJECT: ROSEDALE, N. MEX.

Column headings:

- **MAIN:** RHYOLITE; MICROVEINLETS; VEIN QUARTZ
- **"VEIN QUARTZ":** I/D INFERRED/DEFINITE; CLEAR CRYSTALLINE; W/C WHITE/CREAM; "OPAL" CHALCEDONY; G/Y GREEN/YELLOW; A/E GRAY/BEIGE; "PINK"
- **ALTERATION:** BLEACHING SPOTS OR ZONES; SILICIFICATION; CLEAR QTZ 'EYES'; DARK OR BLACK QTZ 'EYES'; CLEAR FELDSPAR; WHITE FELDSPAR (sl=silky); OTHER
- **FeOx:** FeOx; BRIGHT RED OR RED; ORANGE OR SALMON; DARK RED; 'CHROME' YELLOW; LIMONITE - OCHRE after PYRITE; CLUSTER; R/M/V RIM/MATRIX/VEIN
- **MnOx:** MnOx
- **OTHER:** VEINLETS, FRACTURES; FLUORITE (GREEN/PURPLE); CALCITE/BARITE (PE PSEUDO); OTHER
- **FURTHER CHARACT.:** VUGGY; PUMICE - GLASS SHARDS; LITHIC FRAGMENTS; EUTAXITIC TEXTURE; MICROBRECCIA

INTERVAL (FEET)	MAIN	"VEIN QUARTZ"	ALTERATION	FeOx	MnOx / OTHER	FURTHER CHARACT.	NOTES	ASSAYS (ppm) Ag	Au
150-152	X √ ¼	D √ √ √ G E A	ext √ √	√+ + ¼√√ ¼√√	√	√	dust: med tan (orange) mix yellow-pink-beige color	0.2	.05
152-154	X √ ⅕	D ¼ √ W √ Y A/A/E √	√ ext √√ sl	√+ + √ ¼ ¼ √ R/V		√√	dust: med-tan mix yellow-red-gray color	0.2	.05

BOTTOM OF HOLE 154'

RP - 7

VEIN INTERVAL	MnOx FeOx INTERVAL	
22-24 to 56-58'	24-26 to 44-46'	MnOx
	16-18 to 28-30'	FeOx
	48-50 to 56-58'	FeOx

TOTAL DEPTH: 58'

HOLE #: RP-7
BEARING: N84E T.D. 58'
INCLINATION: -75°
GEOLOGIST: M. COLBURN
DATE: 5/9/76
PROJECT: ROSEDALE, N. MEX.

RP-7 INTERVAL (FEET)	"VEIN QUARTZ" TYPE: RHYOLITE MICROVEINLETS	VEIN QUARTZ	D INFERRED/DEFINITE	CLEAR CRYSTALLINE	W/C WHITE/CREAM	"OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	"ZINC"	ALTERATION: BLEACHING SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	CLEAR FELDSPAR WHITE FELDSPAR	OTHER	FeOx: FeOx BRIGHT RED OR RED	ORANGE OR SALMON	DARK RED	CHROME YELLOW	LIMONITE - OCHRE	after PYRITE	CLUSTER	R/M/V RIM/MATRIX/VEIN	MnOx	VEINLETS FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITES (PE PSEUDO)	OTHER	OTHER CHARACTERISTICS: VUGGY	POMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) AG	AU
6-8	X	V		V		C	V			V		V	V (COAL)	V	V		V	V	V	V			V											dust: lt. pink tan pink-cream-white color		
8-10	X	V		V			V			V		V		V	V		V		V		R		V										dust: lt. pink-tan		
10-12	X	V		V						V		V		SI	V		V		V	V	V		V										dust: CREAM CLOSE-SPACED PHENOCRYSTS		
12-14	X	V		V						V		V		SI	V		V		V														dust: lt. pink-tan cream color		
14-16	X	V		V	V			A		V		V	V		V		V	V	V				V					? V			V		dust: lt. tan cream, orange color		
16-18	X	V				V		E		V		V		SI	V (SOFT WHITE)		V	V	V				V								V		dust lt. tan kaolin/talc mix pink-yellow color		
18-20	X	V		V	W	V				V		V	V	SI			V	V	V										V					0.2	.06
20-22	X	V		V	W	C film		E		V		V	V	SI			V		V				V									V	dust: red tan FRESH red-brown color AMPHIBOLE	0.6	.09
22-24	X	V	1/4	D V		C	V	GE YA		V		V		SI			V	V	V				V	V					V			V	red-brown, beige color JADE GREEN QTZ, contact	0.6	.16
24-26	X		1/4	D V		W	V	GE Y				ext	V	V			V	tr	V	V	M		V									V	FeOx microbx matrix LARGE SAMPLE FRAGMENTS	0.6	.13
26-28	X	V	5/6	D V			V	YE A				ext	V	V			V		V				V	V									dust black POSSIBLE CAVING FROM red brown & gray black color TOP		.99
28-30	X		4/5	D V			V	GE YA				ext	V				V	V	V				ext										dust black CAVING FROM VEIN same color HANGING-WALL	4.6	1.5
30-32	X	V	4/5	D V			V	GE YA	V			ext	V	V			V		V				V										same LARGE SAMPLE FRAG. Lusengang		3.7
32-34	X	V	7/8	D V		C	V	GE YA	V			ext	V	V			V		V				V										same VEIN COMPLEX	6.2	2.6
34-36	X	V	4/5	D V	V	C	V	GE YA	V			ext	V	V			V		V				V		? P				V				same Mn-submetallic		2.5
36-38	X		4/5	D V		W	V	GE YA				ext	V	V			V		V	V			V	V	? P				V		V	W	dust gray-tan 75% LARGE SAMPLE LARGE SAMPLE FRAG. DUE TO CAVING	3.8	2.4
38-40	-		7/8	D V				GE A	V			ext	V	SI			V	tr		V			V						V			W	dust: mod. gray-red HOLE CAVING SAMPLE 250% LARGE		.92
40-42	X		4/5	D V		W	V	GE YA	V			ext	V	V			V	V-		V			V										mix color	3.4	1.5
42-44	X	V	1/3	D		C W	V	GE YA	V			ext	V	V			V		V-	V			V									W				1.8
44-46	X	V	1/2	D V	V			GE YA				ext	V	V			V-	V	V-				V						V	V		V	VOLC. BRECCIA, CONTAM. GREEN QTZ LARGE SAMPLE FRAG. SOME SAMPLE LOSS FALLING IN HOLE.	2.0	1.4
46-48	X	V	3/5	D V		W		YE GA	V			ext	V	V			V	V	V	V			V						V			V	SOME GREEN QTZ. LARGE SAMPLE - FILL-IN FROM ABOVE		1.0
48-50	X	V	1/2	D V			V	GE YA	V	V		ext	V	V SI			V	V	V				V									V	ALTERATION ZONES NEAR VNLT.	2.4	1.1

HOLE #: RP - 7

BEARING: N 84E T.D. 58'

INCLINATION: -75°

GEOLOGIST: N.I. COLBURN

DATE: 6/9/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN "VEIN QUARTZ" RHYOLITE MICROVEINLETS	VEIN QUARTZ							ALTERATION BLEACHING SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	CLEAR FELDSPAR WHITE FELDSPAR	OTHER	FEOX BRIGHT RED OR RED ORANGE OR SALMON	DARK RED CHROME YELLOW LIMONITE - OCHRE after PYRITE	CLUSTER R/M/V RIM/MATRIX/VEINLETS	MnOx VEINLETS FRACTURES	OTHER FLUORITE (GREEN/PURPLE) CALCITE/BARITE (PE PSEUDO) OTHER	FURTHER CHARACT. VUGGY POMICE - GLASS SHARDS LITHIC FRAGMENTS EUTAXITIC TEXTURE MICRO BRECCIA	NOTES	ASSAYS (ppm) AG	AU
		INFERRED/DEFINITE	CLEAR CRYSTALLINE	W/C WHITE/CREAM	"OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	"PINK"														
50-52	X	✓	1/3	D ✓	W ✓		Y E G A		✓	ext	✓	✓		✓	✓ ✓		✓ ✓			pink-beige color	VEIN COMPLEX		
52-54	X	✓	3/4	D ✓ ✓	W ✓	✓	G E Y ✓		✓	ext	✓	✓ sl	? clay	✓	✓ ✓	✓	✓ ✓		✓ W			0.2	.36
54-56	X	✓	3/4	D ✓	W ✓		Y E G A ✓		✓	ext	✓			✓	✓ ✓ te	M	✓ ✓		W	SAMPLE OVERSIZE			
56-58	X	✓	1/3	D ✓	W ✓ C		Y E G		✓ ✓	✓	✓	sl		✓	✓ ✓ ✓ ✓	R	✓ ✓		✓ ✓	pink-beige color, alt. RHY - bleaching + FEOX, alt. rim selvages to qtz.		0.2	.18

BOTTOM OF HOLE 58'

RP - 8

VEIN INTERVAL

6-8 to 76-78'

with centers 6-8 to 34-36'

38-40 to 42-44'

FeOx INTERVAL

10-12 to 12-14', 16-18 to 20-22' *marginal*

22-24 to 58-60'

72-74 to 76-78'

78-80 to 96-98' *marginal*

TOTAL DEPTH: 98'

HOLE #: RP

BEARING: N86E T.D. 98'

INCLINATION: -75°

GEOLOGIST: N.L. COLBURN

DATE: 5/10/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN ROCK TYPE: RHYOLITE	MAIN ROCK TYPE: MICROVEINLETS	MAIN ROCK TYPE: VEIN QUARTZ	"VEIN QUARTZ": I/D INFERRED DEFINITE	"VEIN QUARTZ": CLEAR CRYSTALLINE	"VEIN QUARTZ": W/C WHITE/CREAM	"VEIN QUARTZ": "OPAL" CHALCEDONY	"VEIN QUARTZ": G/Y GREEN/YELLOW	"VEIN QUARTZ": A/E GRAY/BEIGE	ALTERATION: BLEACHING SPOTS OR ZONES	ALTERATION: SILICIFICATION	ALTERATION: CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	ALTERATION: CLEAR FELDSPAR WHITE FELDSPAR	ALTERATION: OTHER	FeOx: FeOx	FeOx: BRIGHT RED OR RED ORANGE OR SALMON	FeOx: DARK RED CHROME YELLOW	FeOx: LIMONITE - OCHRE AFTER PYRITE	FeOx: CLUSTER R/M/V	FeOx: RIM/MATRIX/VEINLETS	MnOx	OTHER: VEINLETS, FRACTURES FLUORITE (GREEN/PURPLE) CALCITE/BARITE (PE PSEUDO) OTHER	FURTHER CHARACT.: VUGGY	FURTHER CHARACT.: PUMICE - GLASS SHARDS LITHIC FRAGMENTS EUTAXITIC TEXTURE MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	ASSAYS (ppm) AU
52-54	X	√		D				Y G	E √	√-	ext	√	√	√		√+	√	√	√		√-				√	dust: orange tan FeOx very fine grain		
54-58	X	√	1/8	D	√	√	W		A		ext	√		√		√+	√	√	√	√	√-√				W	mix red-brown beige color 4-ft SAMPLE	0.2	<.02
58-60	X		1/4	D	√	W	√	G	A E	√-	++	√		√	close pack	√+	√	√	√ v.f.	√	√							
60-62	X	√	1/7	D	√	C	√		A	√- RIMS	++	√		√		√+	√	√	√ tr	√ M			√			dust: orange tan yellow tan and red beige RHYOLITE	<0.2	.03
62-64	X	√	1/6	D	√		√	Y	E	√- RIMS	++	√	sl			√+	√	√	√ tr				√			mix all colors		
64-66	X		1/4	D	√	W			E	√-	ext	√		√	√mica	√+	√	√	√		√-				W		0.2	.06
66-68	X	√		D	√					√	++	√	sl	√		√+	√	√	√ 1/4	R	√				√	dust: yellow orange tan		
68-70	X	√		D	√	W			E	√	++	√		√		√+		√	√ tr	R	√-√			?	√ W	dust: slightly grayer FeOx tint not black, yellow beige RHY		
70-72	X	√		D	√		√		E A	√	++	√		√		√+	√	√	√ tr		√				√ √	dust: tan (gray)		
72-74	X	√	1/6	D	√	W		G Y	E	√-	ext	√		√		√+	√	√	√	R	√				√	pink-red-beige color	0.2	<.02
74-76	X	√	1/5	D	√	W			E A	√+	++	√	sl	√		√+	√	√	√	√	√				√	dust: dk red orange & GRAY RHYOLITE		
76-78	X	√		D	√	W			A	√	++	√	sl	√	√ soft white	√+	√	√	√							dust: pink tan 1/2 sample kaolin/talc GRAY RHYOLITE	0.2	<.02
78-80	X			I	√				A	√+?	++	√		√	√ SOFT WHITE	√	√	√	√ vfg	√ R	√				√	dust: orange tan soft white kaolin/talc GRAY RHYOLITE		
80-82	X				√				A		++	√			√ "	√-			√		√-					dust: lt. orange tan GREATER kaolin/talc WELL ROUNDED FRAGS.		
82-84	X	√				W			A E	√+	++	√		√	√ "		√	√	√ vfg	√	√-					dust: orange GRAY RHYOLITE		
84-86	X					W		G	A	√+	++	√		√	√ "	√	√	√	√ vfg	√ R					√	SAME		
86-88	X					W			A	√+	√	√		√	√ "	√	√	√	√ vfg	√ R	√-					dust: dk-orange-red tan GRAY RHYOLITE		
88-90	X	√			√	W			A	√+	√	√		√		√	√	√	√ vfg	√ M	√-				√	same red 'mud' BALLS INSTEAD OF WHITE		
90-92	X	√			√	W			A	√+	√	√				√+	√	√	√ vfg	√ R			√	√	√ √	same. Red mud balls	<.2	<.02
92-94	X					W				√+	√	√		√	√ soft white	√		√	√ vfg				√		√	dust: mud yellow tan dipyramid QTZ GRAY RHYOLITE kaolin/talc		
94-96	X	√			√	W			A	√+	√-	√			√ "	√	√	√	√ vfg	√	√-				√	red mud balls, kaolin/talc. GRAY RHYOLITE dipyramid QTZ		
96-98	X	√			√	W			A √	√+	√-	√		√		√+	√		√ vfg	√			√	√		dust: pale pink	<.2	<.02

BOTTOM 98'

HOLE #: RP-
BEARING: N86E
INCLINATION: -75°
TD: 98'
GEOLOGIST: N.L. COLBURN
DATE: 5/10/76
PROJECT: ROSEDALE, N. MEX.

RP-8

INTERVAL (FEET)	MAIN ROCK TYPE: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	"VEIN QUARTZ": D INFERRED/DEFINITE	CLEAR CRYSTALLINE	W/C WHITE/CREAM	"OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/Y GRAY/BEIGE	"PINK"	ALTERATION: BLEACHING SPOTS OR ZONES	SILICIFICATION	CLEAR QTZ/EYES	DARK OR BLACK QTZ/EYES	CLEAR FELDSPAR	WHITE FELDSPAR	OTHER	FeOx: FeOx	BRIGHT RED OR RED	ORANGE OR SALMON	DARK RED	CHROME YELLOW	LIMONITE-OCHRE	AFTER PYRITE	CLUSTER	R/M/V RIM/MATRIX/VEINLETS	MnOx	VEINLETS, FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITES (PE PSEUDO)	OTHER	OTHER: VUGGY	POMICE-GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICROBRECCIA	NOTES	ASSAYS (ppm) Ag	Au
																																					HOLE BEGINS ON CONTACT		
6-8	X	7/8	D	V	V			V	GE YA			ext	V			V		V	V	V			V										V				VEIN QUARTZ SHORT SAMPLE 6½' to 8' 60% SAMPLE		
8-10		V 9/10	D	V		W	V		GE YA										V		V	V	V	V			4 V								W	dust: gray VEIN QUARTZ COMPLEX	7.6	.40
10-12	X	3/4	D	V		W	V		GE YA	V	V+	ext			V			V+		V	V	V	V	V	V		V V					?			W	dust: med. tan		
12-14	X	V 3/5	D				V		GE YA		V-	ext	V		V			V+	V	V			V	V			V							V		dust: lilac	0.4	.11
14-16	X	V 2/5	D	V			V		GE YA		V-	ext					V soft white	V	V				V				V+ V								W	dusk: black soft white: kaol in talc		
16-18	X	V 1/3	D	V			V		GE YA		V	ext	V		V			V+	V		V	V	V				V+ V								W good	OVERSIZE SAMPLE PROBABLE CAVING	1.2	.06
18-20	X	V 4/5	D	V		W	V		GA Y			ext	V		V			V+	V		tr	V			V M										W	dust: tan		
20-22	X	V 3/5	D	V	V	C	V		GE A		V-	ext	V		V			V+	V			V	V		R		V								W	micro-qtz bands	1.8	.10
22-24	X	V 3/5	D	V			V		A E			ext	V		V			V+	V	V	V	V	V		M		V-								W	dust: lt. tan	0.4	.06
24-26	X	V 3/4	D	V		W	V		A			ext			V			V+	V	V		V	V												W	one metallic speck (Au) in FeOx (HEM) cast PY. CUBE	1.4	.06
26-28	X	V 3/4	D	V			V		GE YA			ext	V		V			V+	V	V	V	V	V	V			V V								V	dust: lt. gray-tan med. red-brown + gray color		
28-30	X	V 1/3	D	V	V	W	V		GA YE			ext	V		V			V+		V		V	tr	tr	M		V+ V					V		V		dust: gray tan QTZ MICROBANDS		
30-32	X	V 2/5	D	V		C W	V		GE YA	V	V+	ext	?		V			V+	V	V	V		V	V	V		V V								V	dust: lt. gray-tan	1.0	.06
32-34	X	V 2/5	D	V		W	V		A E		V- RIMS	ext			V			V+	V	V	V+		V	V-	M		V-								W	dust, lt. tan GOOD MICROBRECCIA		
34-36	X	V 1/4	D	V		W	V		YA GE	V		ext	V		V		V? talc clay	V+		V	V		V	V	M		V								W	pink-beige-brown color	0.2	.08
36-38	X	V 1/5	D	V			V		E A	V	V+	ext	V		V			V+	V	V	V	V	V	V	V		4 V								V W			
38-40	X	V 1/4	D	V	V		V		YE	V		ext	V		V			V+	V	V	V		V	V	V M R		V-								V V	dust; pink-tan mix pink-beige color	0.2	.04
40-42	X	V 2/5	D	V			V		YA GE	V		ext	V		V			V+	V	V	V	V	V	V	V		V-								W		0.4	.04
42-44	X	V 1/3	D	V	V		V		YE GA		V RIM	ext	V		V			V+	V	V	V	V	V	V	V		V+								W	dust: orange tan VEIN QTZ	1.0	.04
44-46	X	V 1/5	D	V			V		GA Y		V-	ext	V		V			V+	V	V	V	V	V	V	R M		V					V		V		dust: yellow tan red-brown color		
46-48	X	V 1/4	D	V			V		GA Y		V-	ext	V		V			V+	V	V	V		V		M										V V	dust. pink-tan VEIN QTZ		
48-50	X	V 1/6	D	V	V	W			EE A	V	V-	ext	V		V			V+	V	V			V	V			V V								W	dust. med-dk tan mix yellow-pink-beige color	3.0	.14
50-52	X	V 1/6	D	V		C			E A		V-	ext	V		V			V+	V	V	V	V	V	V	R		V- V								V V	" " " "		

possible one sample missed

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
1700 W. Grant Rd., P.O. Box 50106, Tucson, Arizona 85703
(602) 622-4836

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION	Au ppm	Ag ppm
	RP-1 Series		
1	444-446	<0.02	<0.2
2	448-450	<0.02	<0.2
3	452-454	<0.02	0.2
4	456-458	<0.02	0.2
5	460-462	<0.02	0.2
6	464-466	<0.02	0.2
7	468-470	<0.02	0.2
8	472-474	<0.02	1.4
9	476-478	<0.02	1.2
10	480-482	<0.02	0.8
11	484-486	<0.02	1.2
	RP-3 Series		
12	252-254	<0.02	0.2
13	262-264	<0.02	<0.2
14	278-280	<0.02	0.4
15	284-288	0.03	0.6
16	288-290	0.07	0.8
17	290-292	0.09	0.6

TO:
PERRY,KNOX,KAUFMAN,INC.
P.O.Box 12754
Tucson, Arizona 85742

Attn.:AJ.Perry
cc:RB.Blakestad

REMARKS:
Trace analysis Rosedale RP DRLG

CERTIFIED BY:

DATE REC'D:	DATE COMPL.:	JOB NUMBER:
5/6/76	5/13/76	760942

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
1700 W. Grant Rd., P.O. Box 50106, Tucson, Arizona 85703
(602) 622-4836

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION	Au ppm	Ag ppm
	RP-4 Series		
1	120-122	<0.02	<0.2
2	124-126	<0.02	<0.2
3	126-128	<0.02	<0.2
4	128-130	<0.02	<0.2
5	132-134	<0.02	<0.2
6	136-138	<0.02	<0.2
7	138-140	<0.02	<0.2
8	140-142	<0.02	<0.2
9	144-146	<0.02	<0.2
10	146-148	<0.02	<0.2

TO:
PERRY,KNOX, KAUFMAN,INC.
P.O.Box 12754
Tucson, Arizona 85732

Attn.: A.J.Perry
cc: R.B.Blakestad

REMARKS:
Trace analysis

CERTIFIED BY:
NML
Roscdale RP DRLG

REGISTERED ASSAYER CERTIFICATE NO. 9425 WILLIAM L. LEHMBECK SIGNED Arizona U.S.A.

DATE REC'D:	DATE COMPL.:	JOB NUMBER:
5/10/76	5/13/76	760958

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
1700 W. Grant Rd., P.O. Box 50106, Tucson, Arizona 85703
(602) 622-4836

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm
1	RP-2	98-100	0.10	1.0
2		104-106	0.11	0.6
3		108-110	0.10	0.6
4		112-114	0.13	0.8
5	RP-2	114-116	0.06	0.8
6	RP-3	204-206	0.11	1.0
7		208-210	0.22	1.2
8		240-242	0.04	0.4
9		244-246	0.06	0.2
10		270-272	0.11	0.4
11	RP-3	274-276	0.03	0.8
12	RP-4	86-88	0.02	<0.2
13		90-92	0.03	<0.2
14		94-96	0.08	0.2
15	RP-4	108-110	0.06	<0.2
16	RP-5	82-84	<0.02	<0.2
17		86-88	0.03	0.2
18		90-92	0.03	0.2
19		94-96	0.12	1.6
20		98-100	1.0	4.6
21		100-102A	0.96	5.0
22		104-106	0.23	2.2
23		108-110	0.23	0.6
24	RP-5	112-114	0.12	0.8
25	RP-6	52-54	0.04	0.2
26		56-58	0.04	<0.2
27		60-62	0.33	0.4
28		68-70	0.08	0.4
29		74-76	0.92	5.2
30		78-80	0.19	0.4
31		86-88	0.22	0.6
32		90-92	0.10	0.2
33		92-94	0.11	0.2
34		96-98	0.20	1.8
35	RP-6	100-102	0.18	1.2

TO:

PERRY, KNOX, KAUFMAN, INC.
P.O.Box 12754
Tucson, Arizona 85732

Attn.: A.J. Perry
cc: R.B. Blakestad - New Mexico

REMARKS:
Mill
Rec Info
Trace analysis
R.P.Project

CERTIFIED BY:

(page 1 of 3 pages)

DATE REC'D:	DATE COMPL.:	JOB NUMBER:
5/17/76	5/21/76	761026

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
1700 W. Grant Rd., P.O. Box 50106, Tucson, Arizona 85703
(602) 622-4836

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm
36	RP-6	106-108	0.10	0.6
37		110-112	0.15	0.8
38		114-116	0.14	1.2
39		118-120	0.11	1.4
40		122-124	0.09	1.6
41		126-128	0.13	0.6
42		130-132	0.08	0.4
43		134-136	0.09	0.4
44		138-140	0.14	0.4
45		142-144	0.09	0.4
46		146-148	0.09	0.4
47		150-152	0.05	0.2
48	RP-6	152-154	0.05	0.2
49	RP-7	18-20	0.06	0.2
50		20-22	0.09	0.6
51		22-24	0.16	0.6
52		24-26	0.13	0.6
53		28-30	1.5	4.6
54		32-34	2.6	6.2
55		36-38A	2.4	3.8
56		40-42	1.5	3.4
57		44-46	1.4	2.0
58		48-50	1.1	2.4
59		52-54	0.36	0.2
60	RP-7	56-58	0.18	0.2
61	RP-8	8-10	0.40	7.6
62		12-14	0.11	0.4
63		16-18	0.06	1.2
64		20-22	0.10	1.8
65		22-24	0.06	0.4
66		24-26	0.06	1.4
67		30-32	0.06	1.0
68		34-36	0.08	0.2
69		38-40	0.04	0.2
70	RP-8	40-42	0.04	0.4

TO: PERRY, KNOX, KAUFMAN, INC.

REMARKS: Rosedale
Trace analysis
R.P.Project

CERTIFIED BY:

DATE REC'D:	DATE COMPL.:	JOB NUMBER:
5/17/76	5/21/76	761026

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
1700 W. Grant Rd., P.O. Box 50106, Tucson, Arizona 85703
(602) 622-4836

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm
71	RP-8	42-44	0.04	1.0
72		48-50	0.14	3.0
73		54-58	<0.02	0.2
74		60-62	0.03	<0.2
75		64-66	0.06	0.2
76		72-74	<0.02	0.2
77		76-78	<0.02	0.2
78		90-92	<0.02	<0.2
79	RP-8	96-98	<0.02	<0.2

TO: PERRY, KNOX, KAUFMAN, INC.

REMARKS: Rosedale NMG

Trace analysis
R.P.Project (page 3 of 3 pages)

CERTIFIED BY: William L. Lehmbeck

REGISTERED ASSAYER CERTIFICATE NO. 9425 WILLIAM L. LEHMBECK ORGANIZED Arizona U.S.A.

DATE REC'D	DATE COMPL.:	JOB NUMBER:
5/17/76	5/21/76	761026

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
1700 W. Grant Rd., P.O. Box 50106, Tucson, Arizona 85703
(602) 622-4836

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

CERTIFICATE OF ANALYSIS

ITEM ND.	SAMPLE IDENTIFICATION	Au ppm
1	RP-5 102-104A	0.25
2	RP-6 70-72	0.09
3	72-74	0.57
4	RP-6 76-78A	0.38
5	RP-7 26-28	0.99
6	30-32	3.7
7	34-36	2.5
8	38-40A	0.92
9	42-44	1.8
10	46-48	1.0
11	RP-7 50-52	0.56

TO:

PERRY, KNOX, KAUFMAN, INC.
P.O.Box 12754
Tucson, Arizona 85732

Attn.: A.J. Perry
cc: R.B. Blakestad - New Mexico

REMARKS:

R.P.Project
Trace Analysis

FILL INS - ROSEDALE DRLG

CERTIFIED BY:

REGISTERED ASSAYER CERTIFICATE NO. 9425 WILLIAM L. LEHMBECK ASSIGNED Arizona U.S.A.

DATE REC'D:	DATE COMPL.:	JOB NUMBER:
5/24/76	5/28/76	761076

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
1700 W. Grant Rd., P.O. Box 50106, Tucson, Arizona 85703
(602) 622-4836

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION	Au ppm	Au ** oz/ton	Ag ppm	Ag ** oz/ton	Cu ppm	Cu * %	Mo ppm		
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
	Rosedale									
16	Bell Bulk 0-6	0.20		0.8						
17	6-11	0.09		1.4						
18	11-16	0.07		0.4						
19	16-21	0.35		8.8						
20	Bell Bulk21-26	0.39		27.						
21	BVB-3-R	0.03		1.4						
22	BVB-4-R	0.09		13.						
23	BJI-DDH	<0.02		1.6		1650				
24	BJ-2(R)						0.62	10 20		

TO:
PERRY, KNOX, KAUFMAN, INC.
P.O.Box 12754
Tucson, Arizona 85732

Attn.: A.J. Perry
cc: R.B. Blakestad-New Mexico

REMARKS:
NAE

Trace analysis
*Single analysis **Fire Assay

CERTIFIED BY:

REGISTERED ASSAYER CERTIFICATE NO. 9425 WILLIAM L. LEHMBECK DATE SIGNED 5-24-76 Arizona U.S.A.

DATE REC'D:	DATE COMPL.:	JOB NUMBER:
5/17/76	5/21/76	761027