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

RP-1

INTERVAL (FEET)	MAIN ROCK TYPES: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	VEIN "QUARTZ" TYPES: I/D INFERRED/DEFINITE	CLEAR CRYSTALLINE	W/C WHITE/CREAM "OPAL" CHALCEDONY	G/Y GREEN/YELLOW	A/E GRAY/BEIGE	"PINK"	ALTERATION: BLEACHING ZONES	SPOTS OR	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	FLUORITE (GREEN/PURPLE)	CALCITE/BARITES (PSEUDO)	OTHER	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√									√-								√√			√√														Hi. 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)	MAIN ROCK TYPES: 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	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/BARITE (PE PSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	POMICE-GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) As	Au
66-68	X	√	√	I					√	√+						√									?												
68-70	X								√+	√		√				√									√-												
70-72	X								√+	√+		√				√	√	√		√			R								√						
72-74	X		√	I					√+	√+						√	√			√			R								√			√			
74-76	X								√+	√+		√				√				√	√																
76-78	X	√								√						√+																			mix 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					√+	√+						√	√			√	√														mix color 4-ft sample		
108-110	X	√	?	I					√	√+						√	√			√	√														mix color		
110-112	X	√			√				√	√+						√									√												
112-114	X	√							√	√+						√															√				red-brown-gray color		
114-116	X								√	√						√-									√						√		√		red-purple color		

THE CROSS PROTECTOR LINE 220 800 CROSS PROTECTOR, TO INCH

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)	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 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 (PSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	POMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	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 - 1/2 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							√+ √	√+				√+																			dust: orange-tan mix color		
152-154	X							√+ √	√+				√+				√+	√				√										mix color		
154-156	X							√+	√+				√			√	√	√														dust: yellow-tan mix color: yellow predom.		
156-158	X							√	√+		√		√+ √			√	√	√				√-										mix color		
158-160	X	√						√+	√				√ √			√	√	√														dust: tan brown color		
160-162	X							√+	√	√			√+																			brown color		
162-164	X							√-	√				√															√		√		brown-gray color		

HOLE #: RP - 1

BEARING: S58W T.D. 508'

INCLINATION: -65°

GEOLOGIST: N. COLBURN

DATE: 4/25/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN ROCK TYPE	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'	GLEAR 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	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 alt. 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 specks FeOx(?) in quartz		
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 pink-orange color		
196-198		X								√+	√+				√+	√						√-									dust: orange tan orange color		
198-200		X	√	√	D		W		A	√+	√+				√+	√						√-								√	dust: dk. orange (moist?) pink-orange color		
200-202		X								√+	√+				√+	√		√	√			√-									dust: dk orange red color		
202-204		X	√	√	D					√+	√+				√+	√		√	√							?	?				dust: dk orange red color base? vein edge		
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-1
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	"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	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/BARITE (PE PSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	POMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	AU
212-214	X	√	√	I		W			E		++	++						++	√	√	√				R											?	dust: orange-tan white & red color		
214-216	X	√	-	I		W					++	++						++	√		√	√															dust: yellow tan white & red color		
216-218	√-	√	>	D		W					++	++						√	√		√	√				√-											dust: tan white, gray and red color		
218-220	√-	√	>	D		W					++	++						√	√		√	√															gray color VEIN		
220-222	√	√	<	I		W					++	++						++	√		√	√				√-											dust: yellow tan pink-gray color		
222-224	X	√	?	I		W					++	++						++	√		√	√				√-											pink and white color		
224-226	X	√	?	I ?		W			A		++	++						++	√		√	√				√-													
226-228	√-	√	√	I	√	W					++	++						√																			dust: tan white-pink & tan color		
228-230	√-	√	>	D	√	W				√	"	"						++	√		++	√	√	√		√-													
230-232	√+	√	>	D	√	W				√	"	"						++	√		++	√	√	√													VEIN COMPLEX		
232-234	√-	√	>	D	√	W		Y G		√	"	"						++	√		++	√	√														dust: tan		
234-236	√-	√		D	√	W				√	"	"					yellow unknown	√	√		√	√	√			√-											dust: tan		
236-238	√-	√	>	D	√	W		Y	A		"	"						√	√		√		√	√		√-											gray color, some red. VEIN		
238-240	√	mix				W					++	++						√																			dust: gray tan COMPLEX		
240-242	√	mix				W					++	++						√								√											(RBB begins)		
242-244	√	mix									√	++						√								√-											red-gray color		
244-246	√	mix				W					√	++						√								√-											less quartz		
246-248	√	mix				W					√	++						√								√-											red-gray color		
248-250	√+	√				W					√	++						√								√-													
250-252	√+	-									√	++						√								√-											less quartz		
252-254	√+	-									√	++						√								√-											red-gray color		
254-256	√+	-									√	++						√								√-											(RBB ends) red-gray color		
256-258	X	√									√	++						√	√		√	√				√-											dust: tan gray-red color		
258-260	X	√				W					√	++						√	√		√	√				√-											gray-red color		

HOLE #: RP - 1
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	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	"VEIN QUARTZ": "PINK"	ALTERATION: BLEACHING SPOTS OR ZONES	ALTERATION: SILICIFICATION	ALTERATION: CLEAR QTZ 'EYES' DARK OR BLACK QTZ 'EYES'	ALTERATION: CLEAR FELDSPAR WHITE FELDSPAR	ALTERATION: OTHER	FeOx: BRIGHT RED OR RED	FeOx: ORANGE OR SALMON	FeOx: DARK RED	FeOx: CHROME YELLOW	FeOx: LIMONITE - OCHRE after PYRITE	FeOx: CLUSTER R/M/V RIM/MATRIX/VEINLETS	MnOx: VEINLETS FRACTURES	MnOx: FLUORITE (GREEN/PURPLE)	MnOx: CALCITE/BARITE (PSEUDO)	MnOx: OTHER	FURTHER CHARACT.: VUGGY	FURTHER CHARACT.: POMICE - GLASS SHARDS	FURTHER CHARACT.: LITHIC FRAGMENTS	FURTHER CHARACT.: EUTAXITIC TEXTURE	FURTHER CHARACT.: MICROBRECCIA	NOTES	ASSAYS (ppm) AG	ASSAYS (ppm) AU
260-262	X										V	V+				V	V	V				V										dust: TAN		
262-264	X	V				W				V	V	V+				V+	V	V	V	V		V								V	gray-red color red-gray color		
264-266	X	V+?		I	V				Y		V	V+				V+	V	V	V			V-									dust: tan red-gray color		
266-268	X										V	V+	V			V	V-	V	-V			V-					V				dust: gray tan gray color		
268-270	X										V	V+				V	V	V	V								V		V		dust: gray gray-red color		
270-272	X										V+	V+				V						V					V		V		gray-pink color		
272-274	X										V-	V+				V						V	V+								dust: lilac? tan-pink color		
274-276	X	V									V	V+	V			V+											V		V		dust: gray gray-red-tan color		
276-278	X	V									V+	V+				V	V	V	V			V	V-								dust: tan gray-pink color		
278-280	X	V-		I		W					V+	V+				V+	V	V			V	V									pink-tan color		
280-282	X										V	V+				V						V									dust: tan pink-tan color		
282-284	X	V	tr	D	V				Y		V+	V+				V	V	V	V	?	V R	V-								V	pink-tan color		
284-286	X	V	tr		V	W					V+	V+				V						V-	V-								gray-pink color near? quartz rn		
286-288	X	V	tr	D	V				Y		V	V+				V						V-					V		V		increase micromlts.		
288-290	X	V-				W					V+	V+				V+						V+									gray-pink color dust: gray		
290-292	X	V-			V	W					V+	V+				V+	V	V	V	V		V									gray-pink color pink-gray color		
292-294	X	V		I		W				V	V+	V+				V+	V	V	V	V		V	V fog								increase, m.vnlt		
294-296	X	V		I		W			Y		V+	V+				V+						V											
296-298	X	V		I		W			Y		V+	V+				V+						V									gray-pink color near? vein		
298-300	X	V			V						V+	V+				V+						V-					V		V		dust: orange BEGIN 1/2 SPLIT red & white color		
300-302	X	V			V	W					V+	V+				V	V	V	V	?	V	V					V				red-white-tan color		
302-304	X	V				C					V	V+				V+						V V feac									dust: orange-tan red and white color		
304-306	X	V				W					V+	V+				V+	V	V	V			V+									red and gray color		
306-308	X										V+	V+				V+						V+									red and tan color		

HOLE #: RP-1
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": I/D INFERRED/DEFINITE	CLEAR CRYSTALLINE	N/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/VEINLETS	MnOx	VEINLETS FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITES (PSEUDO)	OTHER	OTHER FURTHER CHARACT.: VUGGY	POMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICROBRECCIA	NOTES	ASSAYS (ppm) Ag	AU
308-310	X	√									√	++				++	√			√					√	√				√		√		red color		
310-312	X										++	++				++									++									red-gray color		
312-314	X										√	++				√									√									red-yellow-gray color		
314-316	X	√	-	I	√		W				++	++				++									++					√		√		pink-gray color		
316-318	X	√	-	I			C				++	++				√									√									dust: tan		
318-320	X	mix?		I							++	++				√									++									tan color begin vein complex? tan color		
320-322	X	√		I	√		W				√	++				√	√			√					++									" "		
322-324	√	√	>	I			W				++	++				++	√	√	√	√					√									dust: lt. tan tan-pink color		
324-326	X	√		I			W C				++	++				++				√	√				++									dust: tan rock 'real soft'		
326-328	X	√		I	√		W				√	++				√									++									red, tan and black color		
~~328-330~~											NO		SAMPLE																DAMP				4/27/76 → SMALL SAMPLE		
330-332	X	√					W				√	++				++									√									red and white color		
332-334	X	√	-	I			W				++	++				++	√			√	√				√-											
334-336	X	√	√	I			W	Y		√	++	++				++	√			√			M?		√								?	mix color		
336-338	X	√	√?	I			W			√	++	++				++	√			√			M?										?	mix color, FeOx lysengang		
338-340	X	√	√?	I	√		W			√	++	++				++	√			√			M?		√								?	mix color		
340-342	X	√	√?	I	√		W			√	++	++				++	√			√			M?		√-								?	red + white color FeOx lysengang		
342-344	X	√	√?	I	√		W				++	++				++	√			√					√-								?	red + white color		
344-346	X	√	√?				W			√	++	++				++	?			?					√ frag									pink color probable breccia zone		
346-348	X	√	√?				W			√	++	++				++	?			?					√											
348-350	X	√			√		W				++	++				++	√			√					√								?	red + white color		
350-352	⅔	⅓		I	√		W			√	√	++				√									√-									pink-gray-white color		
352-354	⅔	⅓		I			W			√	++	++				++	√			√					++									pink-red-white VEIN QTZ color		
354-356	¾	¼		D	√			Y			"	++				++									√									dust: red (moist) pink-white color		

HOLE #: RP-1

BEARING: S 58 W T.D. 508'

INCLINATION: -65°

GEOLOGIST: N.I. COLBURN

DATE: 4/27/76

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	"VEIN QUARTZ": "PINK"	ALTERATION: ZONES: BLEACHING SPOTS OR	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	FeOx: R/M/V RIM/MATRIX/VEINLETS	MnOx	MnOx: VEINLETS, FRACTURES	OTHER: FLUORITE (GREEN/PURPLE)	OTHER: CALCITE/BARITES (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
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?) rim FeOx lysingong		
368-370	3/4	1/4	I			W					"	"					V+		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	O			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 dust: yellow-tan 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 plume		
382-384	1/2	1/2	I			W					"	"	V				V+								V	(?)	(?) green (some is above)								red + white color dust: orange white-red color		
384-386	X	V				C W					"	"					V+	V	V	V		V	V	V	V-										dust: orange white-red color		
386-388	1/2	1/2	I			W					"	"					V+		V		V	V	V	V	V										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 white + orange-tan color		
392-394	1/2	1/2	I			W			A		"	"					V+		V		+	V	V		V-										dust: dk orange white + red color		
394-396	1/3	2/3	I	V		W				V	"	"					V+		V		+	V	V		V										" " "		
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-										dust: orange-tan		
402-404	1/2	1/2	I						A		"	"					V+		V		+	V	V		V-			(?) Fel green spot in qtz							pink-white color		

HOLE #: RP-1
BEARING: S 58 W 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: 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	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/BARITE (PEPSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	POMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICROBRECCIA	NOTES	ASSAYS (ppm) Ag	Au
404-406	½	½	I	✓	W					extreme	extreme				✓+	✓	✓			✓+	✓		✓+										dust: orange		
406-408	⅓	⅔	I		W			A	✓	ext.	ext				✓		✓	+		✓+	V		✓					?		-	?		pink-gray color		
408-410	¼	¾	D				Y G			"	"				✓+		✓			✓+	V		✓‡					?		-	?		dust: tan VEIN QTZ		
410-412	¼	¾	D		W		G			"	"				✓+		✓			✓	V		✓+ frag					?		-	?		dust: orange-tan pink-white color		
412-414	½	½	I		W					"	"				✓	✓	✓	✓	✓	✓	V		✓ frag					?		-	?		dust: orange-tan white, tan, red color		
414-416	¼	¾	I		W					"	"				✓			+		+	V		✓-							-	?		dust, tan white qtz white + red color, microbands		
416-418	½	½	D	✓	W		Y			"	"				✓		✓				V R		✓-								?		white + red color VEIN QTZ		
418-420	¾	¼								"	"				✓		✓				R		✓-								?		WHITE RHYOLITE white + red color		
420-422	¾	¼	I		W				✓	"	"				✓+		✓			✓+	✓		✓										dust: tan		
422-424	½	½	I	✓	W C					"	"				✓+		✓			✓	✓		✓-										pink, white, red color pink, mix color less FeOx specks		
424-426	¾	¼	D		W C		G			"	"				✓		✓						✓-										pink color. VEIN QTZ		
426-428	½	½	I	✓	W					"	"				✓		✓				R		✓-								?		white + red color		
428-430	½	½	D		✓	✓				"	"				✓		✓			✓	✓ R		✓								?		" " " VEIN QTZ		
430-432	½	½	I		W					"	"				✓	✓	✓			✓	✓ R		✓								?		" " "		
432-434	¾	¼	I	✓	✓					"	"				✓	✓	✓			✓	✓ R		✓-										pink, red + white color		
434-436	½	½	D		W C		G	A		"	"				✓		✓			✓	✓		✓-								✓		gray-pink 435' 'SOFT ROCK' dust: orange-tan VEIN QTZ		
436-438	⅓	⅔	D	✓		✓	G	A	✓	"	"				✓		✓			✓	✓		✓										gray-pink color ZONE		
438-440	¼	¾	D	✓	✓	W	G		✓	"	"				✓		✓	✓			R		✓-								✓		" " "		
440-442	¼	¾	D	✓	✓	W			✓	"	"				✓+	✓							✓-					?		?	?		white + red color		
442-444	⅔	⅓	I		W				✓	"	"				✓+						V		✓- ✓					?		?	?		pink color		
444-446	¼	¾	I	✓	W			A	✓	"	"				✓+	✓					R V		✓+					?		?	?		pink + red color caving from top of hole - organic	<0.2	<.02
446-448	½	½	D		W		G	A		"	"	✓			✓						V		✓								✓		pink color		
448-450	¾	¼	I		W C				✓	"	"				✓+	✓					V		✓								✓		pink + red color microbands, lysengang	<0.2	<.02
450-452	½	½	I		W				✓	"	"				✓+								✓+ ✓								✓		" " pink color		

HOLE #: RP-1
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"	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	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 (PSEUDO)	OTHER	OTHER	FURTHER CHARACT.: VUGGY	PUMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICROBRECCIA	NOTES	ASSAYS (ppm) Ag	Au
452-454	1/4	3/4		D	V			V	extreme	extreme					V	V		V				R	V-												dust: orange-tan pink-beige color	good vn. qtz lisengang	0.2	<.02
454-456	almost none	»		D		C		GE	V	ext	ext				V								V+	V											" " "			
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 mix color	FeOx QTz micro-bands	0.2	<.02
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											dk. red FeOx QTz microbands dust: yellow tan 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 gray-pink color		0.2	<.02
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: gray gray gray, white, pink color			
476-478	~			I		W		A		~	~				V								V												dust. tan gray-pink color		1.2	<.02
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	"	"				V+		V	V				R													dust: orange-tan pink-white color		0.8	<.02
482-484	1/4	3/4		I	V	W			V	"	"				V+			V		V	V	V	R												" " "			
484-486	1/4	3/4		I	V	W				"	"				V+			V		V	V	V													white-pink color		1.2	<.02
486-488	1/2	1/2		D	V	W		GA Y		"	"				V+		V	V			V	V	R												" " "	VEIN QTZ		
488-490	3/4	1/4		I	V	W				"	"				V+		V	V																	pink (white) color			
490-492	3/4	1/4		I	V	W				"	"				V+		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 - 1

BEARING: S 58 W T.D. 508'

INCLINATION: -65°

GEOLOGIST: N.I. COLBURN

DATE: 4/27/76

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	"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	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/VEINLETS	MnOx	OTHER: VEINLETS, FRACTURES	OTHER: FLUORITE (GREEN/PURPLE)	OTHER: CALCITE/BARITE (PE 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
498-500	X	√	-	I	√	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 - 2
BEARING : 64 W T.D. 1160'
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: FeOx	BRIGHT RED	ORANGE OR SALMON	DARK RED	"CHROME" YELLOW	"LIMONITE" - OCHRE	OTHER PYRITE	CLUSTER	R/M/V RIM/MATRIX/VNLTS	MnOx: MnOx	VEINLETS OR FRACTURES	FELDSPATE (GREEN/PURPLE)	CALCITE/BARITE (P=PSEUDO)	OTHER	OTHER: VUGGY	PUMICE FRAGMENT	GLASS SHARD	LITHIC FRAGMENT	FOLIATION EUTAXITIC	MICRO BRECCIA	FURTHER CHARACT.	NOTES	ASSAYS Ag	ASSAYS Au (ppm)
20-22	XX									E	✓	-	+	✓					+				✓					✓													dk. orange-brun clust (damp)		
22-24	½	½		I	✓					E		✓	+						+		✓		✓				R	✓						X						m. tan-brun-beige color yellowtan dust		
24-26	XX				✓		W					✓	✓	✓					+				✓					–								X		X		pink-beige color		
26-28	X?			I	✓		W					✓+	✓						+				✓	✓				✓												brun color tan dust		
28-30	XX						W					–	✓	✓					✓				✓				✓	–												beige-mix pink color yellow-tan dust		
30-32	XX						W			A		+	+						+				✓	✓				✓										X		mix-beige color mix pink-beige color		
32-34	X											–	+						+				✓				R	–												pink alt. along FeOx? mt.		
34-36	XX				✓		W					✓	+						+								XR	✓												brown-yellow color		
36-38	X											–	+	✓					+	?	?		✓				M?	✓						X			✓			mix brun color		
38-40	X?				✓						✓	+	+						+	✓	✓		✓					–												vivid FeOx colors mix yellow-pink-brun color		
40-42	XX				✓							+	+						✓									✓												H. orange dan. 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					+	+	✓					+				✓					+												yellow (beige) color		

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

HOLE # : RP-2
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 ROCK TYPE: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	I/D INFERRED/DEFINITE	"VEIN QUARTZ": CLEAR	CRYSTALLINE	W/C WHITE/CREAM "OPAL" CHALCEDONY	G/Y GREENY/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	ORANGE OR SALMON	DARK RED	CHROME YELLOW	LIMONITE-OCHRE after PYRITE	CLUSTER	R/M/N RIM/MATRIX/VEINLETS	MnOx: MnOx	VEINLETS, FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITE (P=PSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	PUMICE-GLASS SHARDS	LITHIC FRAGMENTS	COMPACTION FEATURES	MICROBRECCIA	NOTES	ASSAYS (ppm) Ag	AU
66-68	XX			✓		C					✓✓	+						+				✓				+											yellow, beige color		
68-70	X										++	+						✓			✓✓					✓											yellow tan dust		
																																					multi-red-yellow-beige color		
70-72	XX			✓		W					✓	+						+			✓		✓			+											tan dust		
72-74	XX					W					✓	+						+					✓	✓		✓											yellow-brown color		
																																					mix yellow-beige color		
74-76	XX			?							✓	+						✓					?	✓		✓											gray-tan dust		
																																					dark beige color		
76-78	X										-	+						+					✓?	✓		✓											yellow tan dust		
																																					gray brown color		
78-80	XX			✓		W					+	+		✓				✓					✓			+													
																																					gray brown color		
80-82	XX			✓							✓	+	✓					+				✓	✓			+											mix pink-brown color		
82-84	XX			✓							✓	+						+				✓	✓			✓											tan dust		
																																					mix color		
84-86	XX			✓		W					-	++						+			✓		✓	✓		✓											tan-brown color		
86-88	XX	✓		✓					E	✓	✓	++						+								✓											gray-brown color		
88-90	XX			✓							✓	++						+								✓											brown color		
90-92	XX					W					✓	++						+								✓									X		red-gray-beige color		
92-94	X✓			✓		W					✓-	✓++						✓+								✓											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		D	✓✓		W			A	✓	✓	✓++						✓++	✓✓						R	✓									✓		orange-beige color VERY SMALL SAMPLE	1.0	.10
100-102	X✓¼		D	✓✓		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 2:00 pm	0.6	.11
106-108	X✓½		D	✓✓		C W			E	✓	✓	✓++	✓✓					✓+	✓✓		✓					✓-									W		dust: orange tan beige pink color		
108-110	X✓¼			✓		W					✓	✓++						✓+	✓		✓✓	✓✓				✓									✓		dust. orange tan mix brown, white, beige color	0.6	.10
110-112	X✓			✓		W			A		✓	✓++						✓++	✓✓			✓			R	✓									✓		dust. orange tan mix orange-tan-white color		
112-114	X✓-		D	✓		W✓			G Y	E✓	✓++ DR. VIOL	✓++						✓+	✓			✓				✓ PINK					✓		✓	✓✓			mix pink, brown, gray color WATER. POSS. CONTAM.	0.8	.13

THE CHAMPION LINE NO. 808 CROSS SECTION - 8 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 ROCK TYPE: RHYOLITE	MAIN ROCK TYPE: MICROVEINLETS	MAIN ROCK TYPE: VEIN QUARTZ	"VEIN QUARTZ": L/D INFERRED/DEFINITE	"VEIN QUARTZ": CLEAR	"VEIN QUARTZ": 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 (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/VEINLETS	MnOx: MnOx	MnOx: VEINLETS	MnOx: FRACTURES	MnOx: FLUORITE (GREEN/PURPLE)	MnOx: CALCITE/BARITES (PE PSEUDO)	MnOx: OTHER	OTHER FURTHER CHARACT.: VUGGY	OTHER FURTHER CHARACT.: PUMICE - GLASS SHARDS	OTHER FURTHER CHARACT.: LITHIC FRAGMENTS	OTHER FURTHER CHARACT.: EUTAXITIC TEXTURE	OTHER FURTHER CHARACT.: MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	ASSAYS (ppm) Au
114-116	X	√	¼	D	√	√			Y	A		√+	√+				SI		√+	√		√		√	√		√								√		√			mix Dacite, white, pink-brown color speck? metallic? ZONE CLUSTER CONTAMINATED VNLTS. SAMPLE SOME UNALT. RHY. BOTTOM OF HOLE	0.8	.06
									G																															116'	

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)	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 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/VEINLETS	MnOx	VEINLETS, FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITE (P=PSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	POMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICROBRECCIA	NOTES	ASSAYS (ppm) Ag	Au
10-12	X	√						Y			√	√	√	√					√			√	√				√											dust yellow tan brown color	SMALL SAMPLE. LOSS AT COLLAR	
12-14	X	√				W					√-	√							√	√	√	√	√	√	√		√-							√		√		dust: tan mix brown color		
14-16	X	√			√						√	√+		√					√	√		√	√			▽	√-											dust: tan mix brown-beige color		
16-18	X	√			√	W					√-	√+							√	√		√	√				√							√				dust: lt. tan mix pink, brown, beige color		
18-20	X	√		I	√	W					√	√+							√	√	√	√	√				√-				√ med green rocks			√				dust: lt. tan mix beige color		
20-22	X	√	-	I	√							√	√+		√				√+		√	√	√	√	√		√											dust: pink tan mix pink-beige, red color		
22-24	X	√	-	I	√	W		Y			√	√							√		√	√	√											√				mix beige color		
24-26	X	√	-	I	√	C W					√	√+							√			√	√	√									√		√			mix beige, red-brown color		
26-28	X										√	√+							√+	√	√	√	√				√-											dust: orange tan mix red gray color		
28-30	X	√	-	I	√	W				√	√	√+							√+		√	√	√	√			√							√				dust: tan pink, brown color	ALT. NEAR VNLTS.	
30-32	X	√	-	I	√						√-	√+							√+	√	√		√			R												tan, pink color		
32-34	X	√	-	I	√	W		Y			√-	√+							√+	√			√	√	√	√-	√											mix brown white color		
34-36	X	√			√						√-	√+							√+	√			√	√														mix yellow tan color		
36-38	X	√			√							√							√+	√			√	√			√											mix pink tan color		
38-40	X	√			√	W					√-	√+							√		√	√	√				√											mix brown yellow color		
40-42	X	√			√						√+	√+							√+	√			√	√	√	√-	R	√										mix pink, beige, yellow color		
42-44	X	√			√						√+	√+							√	√			√	√			R	√+										mix red-brown yellow		
44-46	X	√			√						√	√+							√+	√				√				√+					√		√			mix red, pink, gray, brown color		
46-48	X	√			√						√	√							√		√	√	√	√	√			√-										mix pink-beige-brown color		
48-50	X											√							√-	√			√	√										√	√	√		brown tan color		
50-52	X	√			√							√-							√	√			√	√				√						√		√		brown color		
52-54	X	√			√						√-	√-							√+	√			√	√				√-						√	√	√		pink, beige color		
54-56	X										√	√	√						√-									√-						√		√		beige tan color		
56-58	X	√			√						√	√+							√	√			√	√				√-							√			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 ROCK TYPE: 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	OTHER PYRITE	CLUSTER	R/M/V RIM/MATRIX/VEINLETS	MnOx: MnOx	VEINLETS	FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITE (P=PSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	PUMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) AG	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		✓	✓+	✓					V bit tan 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 mix yellow pink, brown color		
90-92	X	✓			✓		W			✓	✓+	✓+						✓	✓			✓	✓	✓	✓		✓-												dust: yellow tan		
92-94	X	✓			✓					✓	✓+	ext	✓					✓+				✓					✓												pink, yellow beige, white color same		
94-96	X	✓	-	I	✓		C W				✓+	"						✓		✓	✓	✓					✓												dust: lt. tan (11.50 AM)		
96-98	X	✓	-	I	✓		C W				✓+	"		✓		sl		✓	✓						R												✓		mix yellow gray, beige color dust: tan same color RHY. BRECCIA		
98-100	X	✓	-	D	✓				G		✓+	✓+				sl		✓	✓			✓	✓		R		✓+												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: N. COLBURN

DATE: 4/30/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAJ. 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 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/VEINLETS	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
106-108	X	√	-	I	√		W		Y		√+	√+				sl		4	√			√	√				√									W	tan-yellow color (12.00 ppm)		
108-110	X	√	-	I	√	√	W				√+	ext				sl		4			√	√	√	√			√										dust: gray tan, mix pink, beige, tan color		
110-112	X	√	1/5	I	√		W		E		√	"				sl		√	√	√		√	√	tr	tr		√										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. coarse spots,		
120-122	X	√			√						√	√+						4	√			√	√				√	√								√	red-beige color		
122-124	X	√			√		C				√	√+						4	√	√			√			R										√	dust: orange tan, pink-beige color (coarse spots)		
124-126	X	√	1/5	I	√		C		E		√	ext						4	√			√	√													W	same color		
126-128	X	√	1/5	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	√	1/5	I			W		A		√	√+						√		√	√		√	√	√-		√									√	mix gray-beige color		
134-136	X	√	-	I	√		W		A		√+	√+						√	√				√														same		
136-138	X	√			√		W				√	√+						√						√	√-											W	mix beige color (12.40 ppm) CRUSH CUTTING M. VNLTS.		
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	√	1/5	I	√		C W				√	√+						√	√			√	√	√	√-												same		
148-150	X		1/5	I	√		C W		A		√	√+						√	√				√	√	√-		√-										same		
150-152	X										√	√+						√						√	√-		√										dust: lt. yellow-tan same color.		
152-154	X	√	1/4	I	√				A		√	√+						√				√	√	√	√												dust: tan same color		

HOLE #: RP-3

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

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

DATE:

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN ROCK TYPE: RHYOLITE	MAIN ROCK TYPE: MICROVEINLETS TO VEIN QUARTZ	"VEIN QUARTZ": 1/D INFERRED/PEHNITE	"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	FeOx: ORANGE OR SALMON	FeOx: DARK RED	FeOx: CHROME YELLOW	FeOx: LIMONITE - OCHRE	FeOx: after PYRITE	FeOx: CLUSTER R/M/V RIM/MATRIX/VEINLETS	MnOx: MnOx	MnOx: VEINLETS FRACTURES	MnOx: FLUORITE (GREEN/PURPLE)	MnOx: CALCITE/BARITE (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) AS	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				√+	ext				++									√								mix tan color dust: red. tan (BRECCIA		
160-162	X		½	I	√	W			√	√+	"				++	√	√			√				√-									orange-gray color RHY) FeOx, white, gray color		
162-164	X	√	½	I	√	W			√	++	"				++	√	√			√		M		√=									dust. orange (RBB begin's) red porcellanite qtz.		
164-166	X		½	I		W		E	√	√+	"				++	√	√			√ √ (±½%)				√=									FeOx white, gray color dust: buff		
166-168	X		⅜	I	√				√	√+	"				√	√				√ √ (±½%)		V		√=							√		red, gray color		
168-170	X		½	I	√		√		√	++	"				√	√				√ √				√=							√		gray-red color		
170-172	X	√	½	D	√	W	√	Y		√+	"				√+	√	√			√				√=									some color. mass ±¼" QTZ VNLTS		
172-174	X	√	½	D	√	W	√	Y		√+	"				√	√				√				√=					√ VNLT				gray color		
174-176	X	√	⅓	D		W+	√	Y		++	"				√+	√				√ √				√=								W	gray-red color (RBB ends)		
176-178	X	√	⅓	D	√	W C	√			√+	"				√	√				√ √ √				√=								√	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		√+	"				√+	√				√ √				√-									some color		
186-188	X	√	¼	D	√	W		Y		√	"				√+				√	√ √ √												√	brown (mix) color		
188-190	X		⅕	I	√	W C				√	"				√+				√	√ √ √				√									dust: yellow tan brown gray color		
190-192	X	√	⅓	D	√	√ W		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) red, beige, white color		
196-198	X		⅕	I	√	W C	√			√+	"				√	√			√	√ √ √				√					√		√	√	dust. lilac mix. pink-gray-brown color		
198-200	X	√	⅓	I	√	W	√			√+	"				√	√				√ √				√									dust. tan (3.02 pm) mix. pink-brown, white color		
200-202	X		⅓	I	√	W C		E		√	"				√					√ √ √				√=									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 ROCK TYPE: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	"VEIN QUARTZ": I/D 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 (Gl=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/VEINLETS	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
202-204	X		1/2	I			C					E		√	ext						√√				√√															√	dust: tan		
204-206	X		1/2	I			W								"						√+√				√√				√-											√	gray-brown-white color 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							√	"						√√				√√				√-											√	brown mix color		
212-214	X		1/4	I	√		W							√+	"						√			√																√	beige color		
214-216	X		1/4	I	√		W		√					√+	"		√ (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 (4:00 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 (4:22 pm)		
240-242	X		1/4				W	√						√+	"						√				√√√				√=											√	dust. med. tan gray color (4:27 pm)	0.4	.04
242-244	X		1/3				W	√						√+	"						√+√				√√√				√-								√			√	dust: gray brown white color		
244-246	X		1/4	D	√		W C		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 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	"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	FeOx: ORANGE OR SALMON	FeOx: DARK RED	FeOx: CHROME YELLOW	FeOx: LIMONITE - OCHRE after PYRITE	FeOx: CLUSTER	FeOx: R/M/V RIM/MATRIX/VEINLETS	MnOx	OTHER: VEINLETS, FRACTURES	OTHER: FLUORITE (GREEN/PURPLE)	OTHER: CALCITE/BARITES (PE 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
248-250	X	✓	1/5		✓	W C					✓-	✓+		sl		✓	✓		✓	✓✓			✓-						✓	✓	✓	✓		red brown color 5/1/76 (10:45 am) SAMPLE SMALL DETERGENT USED DOWN HOLE		
250-252	X	✓	1/4	D	✓	W C		E			✓	✓++		sl		✓	✓		✓	✓✓			✓=							✓				red-brown gray color VEIN QTZ		
252-254	X		1/3	D		W	✓	Y	E	✓	✓+	✓++		sl		✓+	✓	✓		✓✓										✓		✓		same	0.2	<.02
254-256	X		1/4	D	✓	C		Y		✓	✓+	✓++		sl		✓+	✓			✓			✓							many ✓	✓	✓	✓	yellow, brown, gray color		
256-258	X	✓			✓	W		E			✓+	✓++				✓	✓		✓	✓✓	✓	✓	✓										✓	brown, gray mix color		
258-260	X		-	D		C		Y	A	✓	✓+	ext				✓					✓✓		✓-✓							✓				dust: dk gray		
260-262	X	✓	-	D	✓	C		Y		✓	✓	✓++				✓			✓		✓✓		✓							✓				pink-brown gray color brown (gray) color		
262-264	X	✓	1/4			W W C		Y			✓	✓++				✓+	✓	✓		✓✓	✓✓		✓-										✓	mix brown color	<0.2	<.02
264-266	X	✓	2/5	D	✓	C			E		✓	✓++	✓✓			✓+	✓			✓✓	✓✓		✓-		? green								✓	red, brown gray color QTZ BANDING		
266-268	X	✓	1/5		✓	W		Y	E		✓	✓++				✓+	✓	✓		✓✓			✓-										✓	dust. med. tan.		
268-270	X	✓			✓	W C					✓-	✓++				✓+	✓		✓	✓	✓✓		✓											mix brown, beige color mix brown-white color		
270-272	X		1/5	D	✓	W	✓	E A			✓-	ext	✓✓			✓+		✓	✓✓		✓✓		✓-								✓		✓	dust: med tan mix, beige, white color	0.4	.11
272-274	X	✓	1/5	I	✓	W		E		✓	✓	"	✓			✓+		✓	✓		✓✓		✓=										✓	dust: med tan (1oz pm)		
274-276	X	✓	1/5	I		W		E A		✓	✓	"				✓+		✓	✓	✓	✓✓		✓-										✓	mix brown, white color beige, red, white color (1¹⁰ pm) SMALL SAMPLE	0.8	.03
276-278	X	✓				C W					✓	✓++				✓			✓		✓+													dust-brown (dk-wet?)		
278-280	X	✓	1/5		✓	W		E		✓	✓+	✓++				✓	✓	✓	✓	✓													✓	pink-beige color. SOME LARGE FRAG. SAMPLES. mix pink-beige color. SMALL SAMPLE (1⁸⁰ pm) NO BROWN BIG SEVERAL LARGE FRAG. SAMPLES WASH HOLE DETERGENT WET (COMPOSITE SAMPLE) 2⁴⁶ pm	0.4	<.02
280-282	PROBABLY COMPOSITE SAMPLE OF HOLE																																			
282-284	LOST SAMPLE (NOT RECOVERED)																																			
284-288	X	✓	1/4	D	✓	W		E		✓	✓	✓++	✓✓			✓+	✓	✓	✓	✓	✓✓		✓-										✓	CLEAN OUT HOLE SLOW RECOVERY 5/2/76 dust. gray tan (4-ft. SAMPLE)	0.6	.03
288-290	X	✓	1/5	D	✓	W		E		✓	✓	✓++	✓			✓+	✓	✓	✓	✓	✓✓	M	✓										✓	pink-brow-gray color. VEIN QTZ 10⁶⁰ brown-gray color. SHORT SAMPLE SOME ORGANIC HEM matrix m.ox. SAMPLE BY 25%	0.8	.07
290-292	X		1/2	D	✓	W		Y			✓+	ext			✓ pale green feldsp	✓+		✓			✓✓		✓-											pink-brown, gray color VEIN QTZ 11³¹ 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-4

BEARING: N71° W T.D. 148'

INCLINATION: -55°

GEOLOGIST: N. I. COLBURN

DATE: 5/6/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN ROCK TYPE: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	I/D INFERRED/DEFINITE	CLEAR CRYSTALLINE	W/C "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 (Gl=silky)	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	FLUORITE (GREEN/PURPLE)	CALCITE/BARITE (PE PSEUDO)	OTHER	OTHER: VUGGY	PUMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) AG	AU
6-8																																				NO SAMPLE		
8-10	X	√								E	√		√		√	√																		√		dust: yellow tan EFFECTS ?		
10-12	X												√-			√				√+	√		√				√+					√				yellow color SURFACE		
12-14	X												√-		√-	√		sl		√+	√-	√		√+			PINK 4							√		dust: same WEATHERING pink-yellow color FRAG, HEM microbx		
14-16	X												√		√-	√		sl		4		√		√+			4									yellow color dust: lt. yellow tan		
16-18	X												√		√	√				4	√	√		√			4				√		√			yellow pink color 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	√		√									√		√+	√		sl		4		√	√				√-									dust med yellow tan yellow-beige-pink color		
26-28	X												√-		√+			sl		√+	√	√		√	√		√					? ?				dust, same yellow-beige color		
28-30																																				NO IDENTIFICATION SAMPLE RECEIVED		
30-32	X	√		√									√	√	√+	√	√			√	√	√			√		√							√		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+	√		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		√	√-		ext	√	√	sl		4+		√					√							√	?	yellow-beige-pink color		
50-52	X		1/4	I	√		W						√		ext	√	√	sl		4		√		√		R	√									yellow-beige-white color		
52-54	X	√	1/3	I	√		W		G	E		√				√		sl		4+	√	√		√	tr		4+	√								dust: grey 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 ROCK TYPE: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	I/D INFERRED/DEFINITE	"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/VEINLETS	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
54-56	X		½		√		W C			E		√+ √-	++	√ √			++		√	√	√	√	√	R	√											dust: pink-tan red-beige mix color		
56-58	X		¼		√	√	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	√	⅓	I	√		W			E		√+	ext	√ ?			√ kaolin FeOx	++		√	√	powdery									?					dust: med. dk orange-pink mix white-red color poss. FLT?		
70-72	X		¼	I	√		W C			E		√+	ext	√		sl	++		√		√		√		√ √										√	dust: tan "GOOD RHYOLITE"		
72-74	X		½	I	√		W			E	√	√+	ext				√+		√	√		√			√-											beige color		
74-76	X		½	I	√		W		Y	E			√+		√	sl	√+								√							√				dust: yellowgray, tan yellow-beige (white) color		
76-78	X	√					W			E			√+	√			√+	√				√			√-											yellow-beige-pink color		
78-80	X			I			W		Y	E	√		√+	√		sl	√+		√			√	√		√ √									√		dust: orange tan pink-beige (yellow) color		
80-82	X	√	¼	D			W	√		E	√		ext	√			√ kaolin talc	√+	√			√			√-											dust: lt. orange-tan yellow-beige-white color		
82-84	X		¼	I	√		W			E			√+			sl		√+		√			√		√											same color		
84-86	X	√	⅓		√	√	W					√-	√+	√				√+	√	√					√-											yellow-pink-beige color		
86-88	X			I	√		W		Y	E		√- √-	ext	√				√+	√	√		√	√	R	√											mix yellow-red-beige color	<0.2	.02
88-90	X			I			W	√		E	√	√-	ext	√		sl		√+	√	√		√			√-											yellow-beige color		
90-92	X		½	D	√	√	W		Y	E		√-	ext					√+	√	√		√	√	√												dust: lt. tan mix pink-beige-yellow color	<0.2	.03
92-94	X	√	½	D	√	√	W C			A	√		ext	√		sl		√+	√	√		√			√+										W	QTZ BANDS		
94-96	X		¾	D	√	√	W		Y	E	√		ext	√				√+		√		√	√	√	?						√					mix beige, pink white color VEIN QTZ	0.2	.08
96-98	-	√	⅔	D	√	√			Y	E			ext	√	√	sl		√+		√			√	√	√								?		?	dust: orange tan		
98-100	-	√	¾	D	√	√		√	G	A			ext		√	sl		√+	√	√	√	√	√	√	√											dust: orange tan VEIN QTZ mix yellow-beige-pink color		
100-102	-		⅚	D	√		C		Y	E	√		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 ROCK TYPE: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	"VEIN QUARTZ": L/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/VEINLETS	MnOx	OTHER: 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
102-104	X	✓	1/3	D	✓	W		G			✓-	ext	✓						¼	✓	✓✓		✓✓													✓	mix pink-red-gray color VEIN QTZ		
104-106	X	✓	1/3	D	✓✓	W	✓			✓		ext	✓	✓ opal					¼	✓		✓✓	✓✓				✓									✓	mix beige-red-white color VEIN QTZ		
106-108	X		1/2	D	✓✓	W			E	✓	✓	ext	✓			sl			¼	✓	✓✓			✓													dust: lt. orange " "		
108-110	-		2/3	D	✓✓			Y G	E	✓	✓-	ext	✓						¼	✓		✓✓	✓✓										✓				mix FeOx-white color, mix yellow-beige-white color VEIN QTZ	<0.2	.06
110-112	X		1/2	D	✓	W		Y	E			ext	✓				X mus? MICA		¼	✓		✓✓	✓														cream-beige-yellow color		
112-114	X		1/3	D	✓✓	C				✓	✓-	ext	✓✓				X mus? MICA		¼		✓✓	✓		✓			✓-										dust: pale orange-tan		
114-116	X	✓	1/3	D	✓	W		G Y	E	✓		ext	✓						✓+		✓✓		✓														pink, beige, tan color mix yellow, red, pink, beige color		
116-118	X	✓	1/4	D	✓✓	W			E		✓	ext	✓			sl			¼		✓	✓✓	✓✓				✓-										mix red, yellow, beige color		
118-120	X	✓	-	D	✓✓	C		Y	A			ext	✓						✓+	✓	✓		✓				✓-										dust: orange tan SURFACE? beige-white color CONTAM		
120-122	X	✓	1/4	D	✓	W C			E		✓=	ext	✓			sl	X fidge clay?		✓+	✓	✓		✓✓		✓		✓-									✓	beige-pink color	<0.2	<.02
122-124	X	✓	1/5	D	✓✓	W			E A			ext	¼	✓✓		sl			✓		✓		✓✓													✓	deep yellow lith w/diffuse dk. red halo mix beige pink color		
124-126	X	✓	-	D	✓✓	W			E	✓	✓-	ext	✓			sl	✓ white MICA		¼			✓✓	✓✓				✓-										mix FeOx-beige-pink color	<0.2	<.02
126-128	X	✓	-	D	✓	W	✓					ext	✓			sl			¼	✓	✓-		✓✓	✓	✓-												mix pink, yellow, beige color SEVERAL GRAINS, METALLIC PYRITE	<0.2	<.02
128-130	X		-	D	✓			Y	A E	✓		ext		✓		sl	✓ BIO		¼	✓	✓+	✓+		✓			?	✓								✓	red-gray color	<0.2	<.02
130-132	X		-	D	✓✓	W			G E			ext	¼			sl	✓ white MICA		✓+	✓		✓		✓			✓-										dust: lilac PYRITE		
132-134	X		1/5	D	✓✓		✓			✓		ext	¼	✓		sl	✓ BIO		¼			✓✓		✓			✓-										dust: gray tan	<0.2	<.02
134-136	X	✓	1/5	D	✓	W		Y	E			ext	¼	✓✓		sl			¼		✓✓	✓✓	✓✓				✓-										dust: yellow tan pink, beige, FeOx color PYRITE	<0.2	<.02
136-138	X	✓	1/2		✓✓	W C		Y		✓		ext	✓✓			sl			¼		✓✓		✓✓	✓															<0.2	<.02
138-140	X	✓	1/2	D	✓✓	W			E A			ext	✓			sl	✓ BIO		¼			✓✓		✓✓												✓	pink beige color VEIN QTZ striated PYRITE CUBE	<0.2	<.02
140-142	-	✓	3/4		✓	C		G	E A			ext	✓			sl			¼	✓		✓		✓✓			✓+										yellow, beige, pink, gray mix VEIN QTZ	<0.2	<.02
142-144	-		3/4	D+	✓	W		Y	E A			ext	✓✓			sl			¼			✓	✓✓✓				?										QTZ BANDS " " beige, yellow, mix color		
144-146	-		3/4	D+	✓✓	W		Y	E	✓		ext	✓✓				✓ BIO		✓+			✓	✓✓				✓-										same color VEIN QTZ	<0.2	<.02
146-148	-	✓	3/4	D	✓✓	W	✓	Y	E			ext	✓			✓			¼	✓		✓	✓✓	✓														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.

RP-5

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 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/VEINLETS	MnOx: MnOx	VEINLETS, FRACTURES FLUORITE (GREEN/PURPLE) CALCITE/BARITES (PE PSEUDO) OTHER	FURTHER CHARACT.: VUGGY	PUMICE - GLASS SHARDS LITHIC FRAGMENTS EUTAXITIC TEXTURE MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	Au
10-14	X?			√	W		E	√	√+	√ √	√	√ dk tan? bio?	√+	√	√	√	√ frax	√=			√	dust: lt. pink tan soft-white - kaolin/talc?		
14-16	X	-	I		W			√	√+	√	√	√ SOFT WHITE	√	√-	√	√	R √	√=				dust lt. pink tan kaolin/talc mix white-red color		
16-18	X			√				√	√	√	√ √		√+		√	√		√-				dust: pink tan mix white-red color		
18-20	X				W		E	√	√	√ √	sl		√+		√		powdery	√ √			√	dust: med tan mix red-white-beige color		
20-22	X							√		√ √	√	√ WHITE MICA?	√+			√	powdery	√			√	dust: tan		
22-24	X							√	?	√			‡			√		√			√	dust: dk. tan (damp?) POSS. SURFACE CONTAM		
24-26	X						E √	√-	√	√	sl		√+		√	√	powdery	√				" " beige-red mix color		
26-28	X √			√			E	√+		√ √	sl		‡			√	powdery	√				dust. dk. red brown (damp?) beige, red-brown mix color		
28-30	X						E	√		√ √	sl		‡		√	√ tr	powdery				√	dust: same SURFACE? cream-red brown color MATERIAL		
30-32	X				C			√		√	sl		‡	√	√	√	R powdery	√				red-cream-brown color		
32-34	X				C			√-		√ √	sl		‡		√	√		√				same		
34-36	X							√ √		√ √	sl		‡	√-	√	√	powdery	√-				mix cream, red, brown color SOME UNBLCH FRAGMENTS		
36-38	X √			√			E	√		√	sl		‡		tr	√		√-				dust: med. red tan SURFACE? red, brown, beige color		
38-40	X						√	√	√	√	√ √		‡	√-		√	powdery	√=				cream, FeOx color		
40-42	X				C			√-	√-	√	sl		‡		√	√		√=			√	dust: dk. red tan cream, beige, FeOx color		
42-44	X							√-	√+		√ sl		√+		√	√	R					same color		
44-46	X						√	√-	√+	√	sl		√+		√ √	tr √ √		√=				dust. med tan beige-red mix color		
46-48	X							√	√	√	sl	√ BIO?	‡		√ √	√	√ powdery	√-			√	mix beige, red color		
48-50	X						E	√	√	√ √	sl		‡		√ √	√		√-				mix beige, pink, FeOx color		
50-52	X √				W			√-	√	√ √	sl		√+		√ √	√		√-				dust: dk red, red, brown, white, beige color		
52-54	X						E	√-	√	√	sl		‡		√	√	R	√			?	mix red, cream color		
54-56	X			√ √			E	√ √-	√	√ √	sl		‡	√	√	√		√				dust: red tan		
56-58	X √			√			E	√	√	√	sl		‡	√	√	√	powdery				√	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)	MAIN ROCK TYPE: 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 (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/VEINLETS	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
58-60	X	√						√	E		√	√-		√		sl		¼	√	√			√ powdery		R									?			dust. red		
60-62	X								E		√-	¼+		√		sl		¼+	√		√		√-√				√										lysengang pink-beige color		
62-64	X		√		√		W		E		¼+	¼+		√		sl		¼+	√		√		√														SAME		
64-66	X	√	√		√		C		E		√	¼+		√		sl		¼+	√		√	√	√		R M		√										SAME		
66-68	X	√			√		W				¼+	¼+		√		sl		¼+		¼			√				√-										SAME		
68-70	X	¼					W		E		√+	¼+		√		sl		¼+	√	√+		tr	√														white, red color		
70-72	X	⅕		D	√	√	C		EV		"	"		√		sl		¼+	√	√	√		√				√								√		Red-cream color		
72-74	X	¼			√	√	W W	G	E		√	¼+		√	√	sl		¼+		¼	¼		√			▽	√-										white-multi FeOx color		
74-76	X	√		I	√				E		√	¼+		√	√	sl		¼+		√			√	tr	tr		√-										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 W		E		√	ext		√	√	sl		¼+		√			√				√-										dust: brown		
82-84	X	√-	⅓	D	√		C? W		E A		√-	ext				sl		¼+	tr	√	√		√				¼+										almost no dust mix brown, beige, red color	<0.2	<.02
84-86	X	√	⅕	D	√		W		E		√-	ext		√		sl	√ WHITE SOFT	√		√	√	tr	√	√			¼+								√-		almost no dust beige-gray color. kaolin/talc?		
86-88	X	√	⅓	D	√		C		E	√	√	¼+		√		sl	√ ALT. BIO?	√	√		√		√		R		√								√		dust: med tan POSS. SURFACE CONTAM. mix white, dk brown color	0.2	.03
88-90	X	√	¼	D	√		W C		E	√		ext	√			sl		¼+		√	√	√	√				¼+ increase								√		dust. dk. brown POSS. SURFACE CONTAM.		
90-92	X	√	⅕	D	√			Y	E	√		ext				sl		¼+		√		√	√	√	R		4 √								√		dust. dk. gray-black POSS SURFACE lysengang. m. breccia ROUNDED CONTAM.	0.2	.03
92-94	X	√		D	√		C W	√	E	√	√	¼+		√		√ sl		¼+		√		√	√	√	R		¼ √								√		dust. red, dk. brown (10.15 AM PULL PIPE) mix brown, beige, pink, black color "lysengang"		
94-96	X	√	⅓		√		W		E	√		¼+		√		√ sl	√ WHITE SOFT	¼+		√	√		√	√	R M		√-								√		dust. med. red, brown (5-10% SURFACE) kaolin/talc. GROUND VERY SOFT (45 SAMPLES)	1.6	.12
96-98	X	√	⅖	D	√		W C	Y G	A E			ext		√		sl	√ WHITE SOFT	¼+				√	tr	√			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		4 √								W		red, dirty green-gray, beige color VEIN. RIGHT SIZE SAMPLE	4.6	1.0
100-102	X	√	⅕	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 E G		√	ext		√		sl		¼+		√	√	√	√				¼+								√		black coating SAMPLE LARGE BY 20%		

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)	MAIN ROCK TYPE: RHYOLITE	MAIN ROCK TYPE: MICROVEINLETS	MAIN ROCK TYPE: VEIN QUARTZ	"VEIN QUARTZ": L/D INTERGRED/DENSE	"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=silica)	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/VEINLETS	MnOx: MnOx	MnOx: VEINLETS FRACTURES	MnOx: FLUORITE (GREEN/PURPLE)	MnOx: CALCITE/BARITES (Pb=PSEUDO)	MnOx: OTHER	FURTHER CHARACT.: VUGGY	FURTHER CHARACT.: POMICE - GLASS SHARDS	FURTHER CHARACT.: LITHIC FRAGMENTS	FURTHER CHARACT.: EUTAXITIC TEXTURE	FURTHER CHARACT.: MICROBRECCIA	NOTES	ASSAYS (ppm) Ag	ASSAYS (ppm) Au
104-106	X	✓	1/4	D ✓		C ✓			E		✓	ext	✓ ✓	sl		✓4		✓ ✓		✓ ✓				✓					✓			W	black coating SAMPLE LARGE BY 10%	2.2	.23
106-108	X	✓	1/5	D ✓		✓	Y	A E	✓			ext	✓ ✓	sl ✓		✓4		✓		✓				✓4 ✓ ? pale violet								W	black coating SAMPLE LARGE BY 15%		
108-110	X	✓	1/8	D ✓		✓	G	E	✓	✓		ext	✓	✓ sl		✓4	tr			✓ ✓ ✓ ✓				✓								✓	mix pink-beige-gray-FeOx color SAMPLE NORMAL SIZE (UPHOLE) POSS. CONTAM.	0.6	.23
110-112	X	✓	1/6	D ✓		✓	Y	E A	✓			✓4	✓	✓ sl	✓ black BIO	✓4		✓		✓4 ✓ ✓ ✓	R			✓4 ✓								W	mix. beige, gray, FeOx color		
112-114	X	✓	1/3	D ✓	✓	W	✓	E G		✓		ext	✓	sl		✓4		✓ ✓		✓ ✓ ✓ ✓				✓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'	96-98 to 118-120'
	122-124 to 130-132'
142-144 to 152-154' with center at 150-152'	134-136 to 152-154'

TOTAL DEPTH: 154'

HOLE #: RP-6
BEARING: 0°E
INCLINATION: -70°
T.D. 154'
GEOLOGIST: N.I. COLBURN
DATE: 5/8/76
PROJECT: ROSEDALE, N. MEX.

RP-6

INTERVAL (FEET)	MAIN ROCK TYPE: 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	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/BARITE (PE PSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	POMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICROBRECCIA	NOTES	ASSAYS (ppm) Ag	Au
6-8	X								E		√	++	√	√		++	√			√		M R											mix red + white - tan color		
8-10	X										√	++	√	sl		++	√		√√	√		V frax											dust. pink-tan red-tan-beige color NUMEROUS PHENOCRYSTS		
10-12	X	√	1/6	D	√						√√	ext	√	sl	? SOFT WHITE	++		√√		√		M. R	√=						?		√				
12-14	X										?	ext	√	sl	√ SOFT WHITE	++			√		√	√ M											dust. H. pink-tan 1/3 kaolin/talc		
14-16	X	√		D	√√				E		√	ext	√√	sl	√ SOFT WHITE	++		√		√√		R M											dust. pink-orange 1/2 kaolin/talc		
16-18	X	te		D		W		G Y			ext	ext	√	sl	√ "	++		√√		√√		R M									√		1/2 kaolin/talc possible fault? zone		
18-20	X	1/5		D	√		C	√	E		++	++	√	sl		++		√		√√		M M R									?		1/2 FeOx reds + 1/2 cream color bleached-breccia zone?		
20-22	X	te			√					√	++	++	√	sl		++			√-	√√		R	√=						√				dust. yellow		
22-24	X	√			√				E		"	ext	√	sl		++			√	√√												√	mix. beige, yellow, red color		
24-26	X	√			√				A		++	++	√	sl		++			√	√			√=										dust. yellow tan beige-gray color		
26-28	X										++ √+	++	√	√		++		√		√		V frax							√				dust. pale tan		
28-30	X				√				E	√		++		sl		++		√√		√		M	++										mix red-brown + white color		
30-32	X	te		I				G	E		++	++	√√	sl		++	√		√√√			M R	++						√√				dust. darker gray		
32-34	X	√	te	I	√		W	√	E		√	++	√	√		√	√						√√							√			FRESH APPEARING, NUMEROUS PHENOCRYSTS		
34-36	X	te					W		E		√	++		√		√	√		√√				++										red-brown color. FRESH, APPEARING NUMEROUS PHENO.		
36-38	X	te				√	W	√	A		++	++	√	sl	√ SOFT WHITE	++	√		√√	√	√		√				√ Bio?		√√√				kaolin/talc material		
38-40	X	√			√	√			E			++	√	√		√	√		√√		√		√						√√				dust. pink-purple		
40-42	X						C				√√	++	√	sl		++			√√	√ te		R	√=										pink-gray color		
42-44	X	√				√	W				√	++	√			++	√		√	√	√	R											same		
44-46	X	√	1/1	D		√	W	√	Y		√	++	√	sl		++			√			R	√-										closed packed phenocrysts pink-brown color		
46-48	X										√	++	√	√	√	++			√√												√				
48-50	X										√	++		sl		++	√		√√	√		R											pink-brown color		
50-52	X						C		E	√		++	√	sl		++	√		√	√		R	√√ frag										dust. pink-tan mix beige-red color		
52-54	X	√	1/8	D	√		W		E			++	√	sl		++			√√	√		R	√=								√		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)	MAIN ROCK TYPE: 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 (Gl=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/VEINLETS	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) AS	AU
54-56	X	√	tr	D			√				√	+/-	√			sl			√			√		√														mix pink-beige color		
56-58	X	1/5		D		W	√	G	E			+/-	√			sl			+/-	√		√	√	√		M		√-							√			red-tan mix color	<0.2	.04
									A																															
58-60	X	1/5		I		C			E	√	√	+/-	√	√		sl	√ soft white		+/-	√	√	√	tr	√		M												Kaolin/talc CONTINUES.		
						W																																		
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		
																																						mix gray-red-beige color		
68-70	X	√	1/4	D	√		√	Y	E			ext	√			√			+/-		√	√		√		M bx		√								√		red-beige-gray mix color	0.4	.08
									G																															
70-72	X	√	1/4	D	√		√	Y	E		√+	ext	√			sl			+/-		√			√	√	M bx									√		√	micro breccia - HEM matrix		
									A																													tan-brown-white color		
72-74	X	√	3/4	D			√	Y	E		√	ext				sl			+/-		√	√		√				√+						√			√	10% LARGE SAMPLE		
								G	A																													6000 VEIN QTZ (med-dk green)		
74-78	X	√	1/2	D	√		√	Y	E		√+	ext	√			sl			+/-	√	√			√		V R		√+											same 74-78 DOUBLE SIZE [4-ft]	5.2	.92
								G	A																													BECAUSE CAVING AROUND VEIN		
78-80	X		2/5	D	√	√		√	G	E		√+	ext	√					+/-		√	√	tr	√	√			√+								√		√	dust. dk gray 9 MAY. 76	0.4	.19
																																						large frag sample FeOx rim-bleached RHY		
80-82	X	√	1/4	D	√		C	√	G	E			√			√			+/-			√	tr		√			√+							?		√		mix gray, beige, pink-brown color		
									Y																													QTZ BANDS		
82-84	X									√		+/-	√			√			+/-				tr	√		M bx		√								√		√	red-brown color, LARGE (3cm) SAMPLE FRAG.		
																																						Lysengang FeOx-beige color matrix		
84-86	X	√	1/5	D	√		W	√	E		√+	+/-	√			√			+/-	√	√	√						√+	√								√			
86-88	X	√	1/5	D	√			√	G	E	√	ext	√	√		√ sl			+/-	√			√	√				√							√ qtz			W	SOME LARGE SAMPLE FRAG.	0.6	.22
									A							√ sl																									
88-90	X	√	1/5	D				G	E	√	√	+/-	√			sl			√	√	√		tr	√		M		+/-	√									√		same. (bleached-WHITE RHY)		
									A																													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	0.2	.11
								G																															mix red-beige-white color		
94-96	X	√	1/4	D		W	√	G	E	√	√-	+/-	√	√		√			√	√		√	√	√				√							√	√	√	√	dust. med. tan, PHENOCRYSTS CLOSE PACKED, LYSENGANG, LARGE SAMPLE FROM CAVING.		
									A																															
96-98	X	√	2/3	D	√			√	G	E	√	ext	√			sl			+/-	√	√	√		√	√			+/-	√									√		dust: tan	1.8	.20
									Y	A																													mix color		
98-100	X	√	3/4	D	√		W	√	G	E	√	ext		√		√			+/-	√		√	√-	√				√-										√		dust. tan FEATURES OF VEIN EDGE.		
									Y	A																													mix beige-red-yellowgreen BANDS		
100-102	X		1/2	D		W	√	G	E	√	√	ext	√			√ sl			+/-	√		√	√	√		R												√		SAME SAME	1.2	.18
									Y	A																															
102-104	X	√	1/2	D		W	√	Y	E	√		ext	√			sl			+/-	√		√	√	√	√	M		√										W		beige-pink-gray color SILICIC BRECCIA		
								G																																

HOLE #: RP-6

BEARING: 0°E T.D. 154'

INCLINATION: -70°

GEOLOGIST: N.I COLBURN

DATE: 5/9/76

PROJECT: ROSEDALE, N. MEX.

INTERVAL (FEET)	MAIN ROCK TYPE: 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 (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/VEINLETS	MnOx: MnOx	VEINLETS, FRACTURES	FLUORITE (GREEN/PURPLE)	CALCITE/BARITE (PE PSEUDO)	OTHER	OTHER: VUGGY	PUMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	Au
104-106	X	√	4/5	D	√		W	√	Y E G A	√		ext	√			sl			√+	√	tr	√		√+	√		√						√		√	dust. orange tan	VEIN		
106-108	X	√	2/5	D	√	√	W	√	G E Y A			ext	√			√			√+	√		√		√+	√	R	√								√	mix + FeOx, green color dust. med. tan		0.6	.10
108-110	X	√	1/5	D	√	√		√	Y E	√	√+	ext	√			√ sl			√+	√	tr	√	√	√	√	M R	√-						√		√	pink-beige color dust. yellow tan mix pink, beige, gray, yellow color			
110-112	X	√	1/2	D	√		W	√	Y E G A	√		ext	√	√		sl			√+	√	tr	√		√	√	R	√-						√		W	dust: tan		0.8	.15
112-114	X	√	4/5	D	√	√	W	√	Y E C G A		√+	ext	√			sl			√+	√		√	√			R M	√					√		√	√	one remnant moss FeOx after py dust: tan (gray) CRYPTO STRUCTURES IN QTZ mix color.			
114-116	X	√	1/4	D			W		Y A G	√	√+	ext	√	√-		√			√+			√	√	√	√		√ √ CROS.						√		W	dust. yellow tan beige-pink color		1.2	.14
116-118	X	√	1/4	D	√	√		√	Y A E	√	√-	ext	√	√		sl			√+	√		√		√	√-	R	√ √								W	dust. gray tan			
118-120	X	√	1/2	D	√		W	√	Y A G E	√	√	ext	√			sl			√+	√		√	tr		√		√+								√	dust. gray tan. mix beige-pink color		1.4	.11
120-122	X	√	2/5	D			W	√	Y E A	√		ext	√			sl			√+	√		√	√				√+ √									dust. gray pink color			
122-124	X	√	1/4	D			W		Y E G		√	ext	√			√ (ZONED?)			√+	√			√	√	√	M	√								W	dust. pink tan mix pink-beige-FeOx color		1.6	.09
124-126	X	√	1/4	D			W	√	Y E G A		√-	ext	√			sl √			√+	√		√		√-		R M	√-						√		W	dust: pink tan pink-red, minor beige-white color			
126-128	X	√	1/3	D	√	√	C	√	Y E G A	√	√-	ext	√			√ sl			√+		√	√	√	√			√								√	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			√+	√		√	√	√-			√							√	W	dust. med tan mix pink-beige color			
130-132	X	√	1/5	D	√		W C	√	Y E	√	√	ext	√			sl √			√+	√		te	√	te			√=									dust. tan mix red-brown, all color		0.4	.08
132-134	X		1/6	D				√	Y E G A			ext	√			√ sl			√+	√				tr		R	√									same			
134-136	X	√		D	√	√		√	G E		√	ext	√	√		√			√+			√	√	te	4	√	√ √ VNLT								√	dust. tan MAINLY MICROVNLTS. red-tan beige-gray color		0.4	.09
136-138	X	√		D	√			√	G E A		√	ext	√			√	√ SOFT WHITE		√+		√	√	√	4	tg	√ √ VNLT								√	dust. H. orange tan MAINLY M. VNLTS pink, beige, white color KAOL/TALC			
138-140	X	√	1/6	D	√				A E	√	√+	ext	√	√		√	√ BIO?		√+			√	√-	√	4	√	√-									dust. orange tan, lighter FeOx-beige-white color		0.4	.14
140-142	X	√	1/6	D	√				E		√+	√+	ext	√	√	√			√+		√	√	√	tr		R						√					dust: orange tan red-brown-white mix			
142-144	X	√		D	√		W	√	Y E A		√	√+	ext	√		sl			√+	√	√			√	4	√ R	√								√	dust: orange tan MAINLY mix all colors MICROVEINLETS		0.4	.09
144-146	X	√		D	√		W	√	Y E A		√		ext	√		√			√+		√	√	tr	√	√	√	√ √ VNLT								W	dust: orange tan			
146-148	X	√	1/6	D	√		W	√	Y E G A	√	√+	√+	ext	√		√ sl	√ SOFT WHITE		√+	√	√		te	√	√-		√						√		√	mix FeOx + white-beige color kaolin/talc QTZ BANDS		0.4	.09
148-150	X	√	1/5	D	√		W C	√	A E	√	√	ext	√			sl			√+		√	√	√	√	√	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.

INTERVAL (FEET)	MAIN ROCK TYPE: 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 (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/VEINLETS	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
150-152	X	✓	¼	D	✓	✓		✓	G	E			ext	✓			✓		✓+	tr	✓	✓		¼	✓	✓		✓					✓					dust: med tan (orange) mix yellow-pink-beige color	0.2	.05
152-154	X	✓	⅕	D	¼	✓	W	✓	Y	A E	✓	✓	ext	✓	✓		SI		✓+	✓	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: N.I. COLBURN
DATE: 5/9/76
PROJECT: ROSEDALE, N. MEX.

RP-7 INTERVAL (FEET)	MAIN QUARTZ 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 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/BARITE (PE PSEUDO)	OTHER	OTHER FURTHER CHARACTERISTICS: VUGGY	POMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	Au
6-8	X	√			√		C	√			¼	¼	√	√ OPAL		√		¼		¼	√	√	√	√		√											dust: lt. pink tan		
8-10	X	√			√			√			¼	¼	√			√		¼		√		√		R		√											pink-cream-white color dust: lt. pink-tan		
10-12	X	√			√						¼	¼	√			sl		√		√		√	√		▽	√											dust: cream CLOSE-SPACED PHENOCRYSTS		
12-14	X	√			√						¼	¼	√			sl		√		√		√															dust: lt. pink-tan cream color		
14-16	X	√			√	√				A	¼	√	√	√				√		√	√	√				√							?	√		√	dust: lt. tan cream orange color		
16-18	X	√						√		E	√	¼	√			sl	√ SOFT WHITE	¼		√	√	√				√										√	dust: lt. tan kaolin/talc mix pink-yellow color		
18-20	X	√			√		W C	√ Thin			√	¼	√			√	sl	¼	√	√		√	√											√					0.2	.06
20-22	X	√			√		W			E	√-	¼	√	√		sl		¼	√			√				¼										√	dust: red tan FRESH red-brown color APPEARING	0.6	.09
22-24	X	√	¼	D	√		C	√	(G	E) Y A	√-	¼	√			sl		¼	√	√		√				¼	√							√		√	red-brown, beige color JADE GREEN QTZ, contact	0.6	.16
24-26	X	¼	D	√		W	√	G	E Y			ext	√	√		√		¼	tr	√		√		M		¼										√	FeOx microbx matrix LARGE SAMPLE FRAGMENTS	0.6	.13
26-28	X	√	5/6	D	√			√	Y	E A		ext	√			√			¼	√			√				¼	√									dust: black POSSIBLE CAVING FROM TOP red-brown & gray black color		
28-30	X		4/5	D	√			√	G	E Y A		ext	√						¼	√	√		√				ext										dust. black CAVING FROM VEIN same color. HANGING-WALL	4.6	1.5
30-32	X	√	4/5	D	√			√	G	E Y A	√	ext	√			√			¼	√			√				¼										same. LARGE SAMPLE FRAG. lysengang		
32-34	X	√	7/8	D	√		C	√	G	E Y A	√	ext	√			√			√-				√				¼										same. VEIN COMPLEX	6.2	2.6
34-36	X	√	4/5	D	√	√	C	√	G	E Y A	√	ext	√	√		√			√-				√				¼			?P			√				same Mn-submetallic		
36-38	X		4/5	D	√		W	√	G	E Y A		ext	√			√			√			√	√				¼	√		?P			√		√	W	dust. gray-tan 75% LARGE SAMPLE LARGE SAMPLE FRAG. DUE TO CAVING	3.8	2.4
38-40	-		7/8	D	√				G	E A	√	ext	√	√		sl			√		tr			√			¼	√						√		W	dust: med. gray-red HOLE CAVING SAMPLE 250% LARGE		
40-42	X		4/5	D	√		W C	√	G	E Y A	√	ext	√			√			√		√-		√				¼										mix color	3.4	1.5
42-44	X	√	1/3	D			W	√	G	E Y A	√	ext	√			√			√-			√-	√				¼									W			
44-46	X	√	1/2	D	√	√			G	E Y A		ext	√			√			√-	√		√	√-				¼							√	√	√	VOLC. BRECCIA CONTAIN. GREEN QTZ LARGE SAMPLE FRAG. SHORT SAMPLE	2.0	1.4
46-48	X	√	3/5	D	√		W		Y G A	E	√	ext	√			√			√	√		√	√				¼							√		√	POOR PACKING IN HOLE. GOOD GREEN QTZ.		
48-50	X	√	1/2	D	√			√	G	E Y A	√	ext	√			√	sl		¼	√	√		√				¼									√	LARGE SAMPLE - FILL-IN FROM ABOVE 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 ROCK TYPE: RHYOLITE	MICROVEINLETS	VEIN QUARTZ	F/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	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/BARITE (PSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	POMICE - GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) AG	AU
50-52	X	√	1/3	D	√		W	√	Y E GA		√	ext	√			√		√			√	√					√	√											pink-beige color	VEIN COMPLEX		
52-54	X	√	2/5	D	√	√	W	√	G Y E	√	√	ext	√			√ sl	? clay	√		√	√					V	√	√					√	√		W			0.2	.36
54-56	X	√	3/4	D	√		W	√	Y E	√	√	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-8
BEARING: N86E
INCLINATION: -75°
T.D. 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" 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	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 (PSEUDO)	OTHER	OTHER CHARACT.: 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	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					?				W	dust: med. tan VEIN QUARTZ COMPLEX		
12-14	X	V 3/5	D			V	GE YA		V-	ext	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	dust: black soft-white: kaolin/talc		
16-18	X	V 1/3	D	V		V	GE YA		V	ext	V	V		V+		V	V	V				V+	V								W	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										GOOD 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		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												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	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		tr -	V	tr	M	V+	V				V		V			dust: gray tan QTZ MICROBANDS		
30-32	X	V 2/5	D	V	C	V	GE YA	V	V+	ext	?	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+	V								V W			
38-40	X	V 1/4	D	V	V	V	YE	V		ext	V	V		V+		V	V		V	V	M R	V-					V				W	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	VEIN QTZ	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	1.0	.04
44-46	X	V 1/5	D	V		V	GA Y		V-	ext	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	V		M						V					dust: pink-tan VEIN QTZ		
48-50	X	V 1/6	D	V	V	W	E A	V	V-	ext	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-	V++	V	V		V+	V	V	V	V	V		R V	V-	V				V		V			" " " " "		

(possible one sample interval MIX-UP 50-52' to "56"-58')

HOLE #: RP-8
BEARING: N 86 E T.D. 98'
INCLINATION: -75°
GEOLOGIST: N.I. COLBURN
DATE: 5/10/76
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	"LINK"	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/BARITE (PSEUDO)	OTHER	FURTHER CHARACT.: VUGGY	POMICE-GLASS SHARDS	LITHIC FRAGMENTS	EUTAXITIC TEXTURE	MICRO BRECCIA	NOTES	ASSAYS (ppm) Ag	Au
52-54	X	√		D				Y G	E	√	√-	ext	√√		√		√+	√√		√√			√-								√	dust: orange tan FeOx very fine grain		
54-58	X	√	1/8	D	√	√W			A E			ext	√		√		√+	√		√√	√		√-√							W	mix red-brown beige color 4-ft. SAMPLE	0.2	<.02
58-60	X		1/4	D	√	W	√	G Y	A		√-	√++	√	close pack	√		√+	√√√		√√ v+g	√	M	√=												
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	√		√+	√√√		√+		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	√	1/5	D	√	W		G Y	E		√-	ext	√		√		√+	√√√	√√	√		R	√							√		pink-red-beige color	0.2	<.02
74-76	X	√	1/5	D	√	√	W		E A		√+	√+	√	sl	√		√+	√√	√	√	√+	R	√=						√			dust: dk red-orange GRAY RHYOLITE		
76-78	X	√		D	√	W			A	√	√+	√+	√		√	√ 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 kaol/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					√√	W	√			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'