3440 0030

# 1984 PAIUTE DRILLING

## DRILL LOG EXPLANATION

### VEINING

- Qtz veining
- Clay veining
- Calcite veining
- Pyrite veining
- Weak stockwork veining
- Moderate stockwork veining
- Strong stockwork veining

### STRUCTURES

- Fractures
- Flow foliations
- Faults
- Shearing
- Contacts

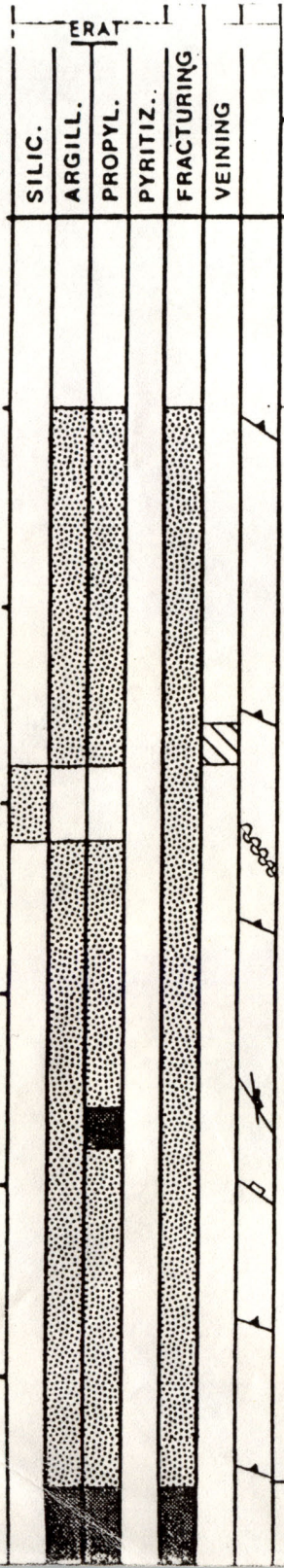
### ALTERATION

- Weak
- Moderate
- Strong

PROJECT: Paiute
CONTRACTOR: Coates
LOCATION: Washoe Co. Nv
CORE SIZE: NQ
HOLE NO: P-84-1
LOGGED BY: M. H. Payne
SHEET 1 OF 5
SCALE: 1" = 10'
ELEVATION: 5500'
BEARING: 225°
INCLINATION: -60°
TOTAL DEPTH: 335'
STARTED: 8-29-84
COMPLETED: 8-30-84
LAR COORDINATES: N E

COMMENTS:

AVE. CORE REC'Y/HOLE:




| DESCRIPTIVE GEOLOGY | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) | | Ag (op |
|---|---|---|---|---|---|---|---|---|---|
| Set casing with rock bit - no recovery | | 0 | | | | | | | |
| 10.0-66.0', purple, coarsely lithic, welded tuff; latitic. Propylitization on fracts and in lithic frags; weak but increasing slightly with depth. Limon on fracts | | 100 | | | | | | | |
| | | 95 | | | | | | | |
| 26-28', minor sugary qtz veinlets forming wk stkwrk | | | | 9 | | | BD | | 0.0 |
| 28 & 32', bleached pale gray, gougy material on borders | | | | 10 | | | BD | | 0.0 |
| | | | | 11 | | | BD | | 0.0 |
| | | 100 | | | | | | | |

PROJECT: Paiute
LOCATION: Washoe Co.
HOLE NO: P-84-1
SHEET 2 OF 5

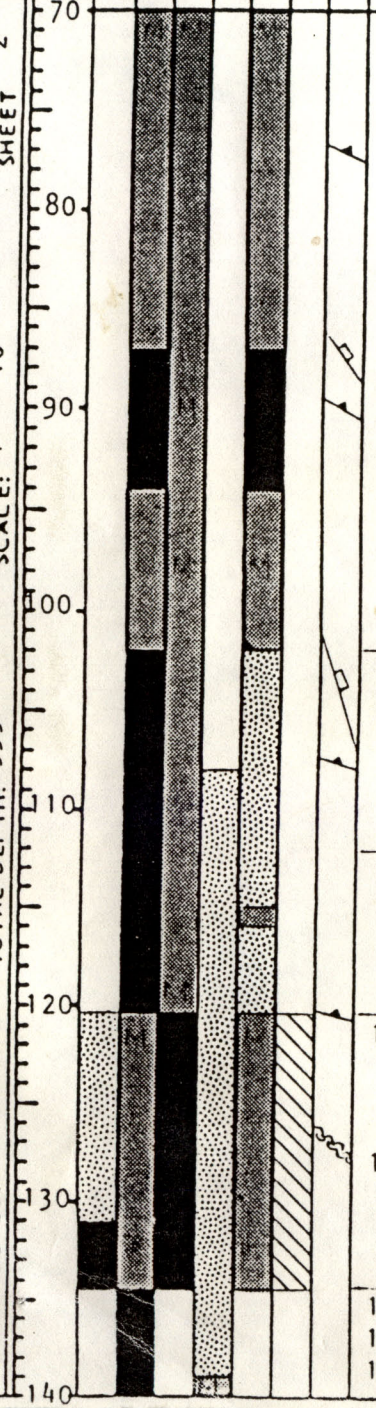
CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

ELEVATION: 5500'
BEARING: 225°
INCLINATION: -60°
TOTAL DEPTH: 335'

COORDINATES: N E
STARTED: 8-20-84
COMPLETED: 8-30-84

COMMENTS:

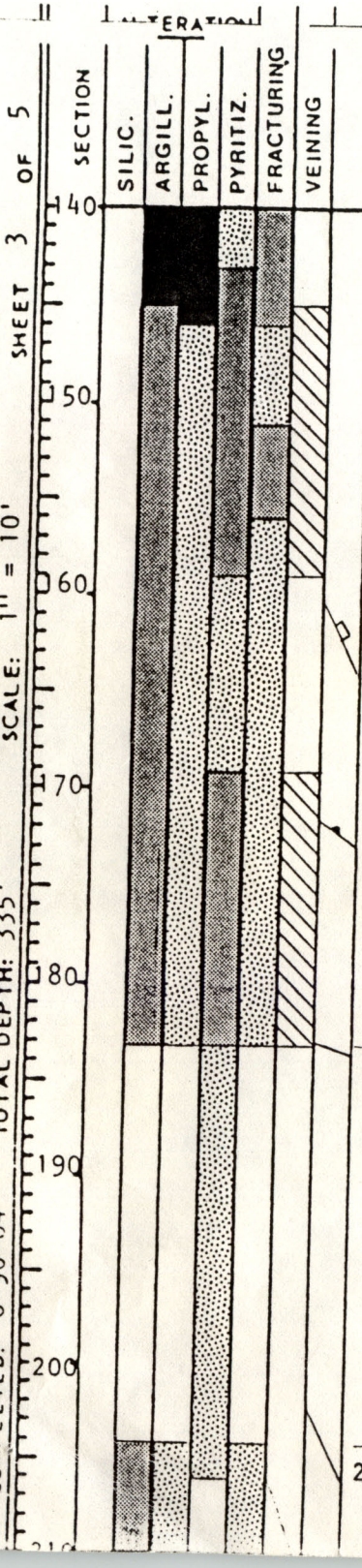
AVE. CORE REC'Y/HOLE:




| ALTERATION: SILIC. | ARGILL. | PROPYL. | PYRITIZ. | FRACTURING | VEINING |
|---|---|---|---|---|---|

| DESCRIPTIVE GEOLOGY | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | CORE SAMPLE INTE: Au (opt) | | Ag (op |
|---|---|---|---|---|---|---|---|---|---|
| 66-101.9', gray-grn, welded, coarsely lithic tuff. Pervasive propyl; mostly as chlorite and clay. Soapy grn clay filling fracts. | | | | | | | | | |
| 87.7 to 93.8, strongly fractured, sheared, gougy in appearance. Weak limon and goeth stain on fracts | | 100 | | | | | | | |
| 101.9-112.0', sharp gradational contact to soapy grn-gray massive clay; locally sheared and gougy | | | | 50 | | | BD | | 0.0 |
| | | | | 51 | | | 0.021 | | 0.0 |
| 112.0-120.4', sharp gradational contact to gray-grn, welded, coarsely lithic tuff. Pervasively propyl (chlorite + py). Trace hematite on fracts | | | | 52 | | | BD | | 0.1 |
| | | | | 53 | | | BD | | 0.0 |
| | | | | 54 | | | BD | | 0.0 |
| | | | | 55 | | | BD | | 0.0 |
| 120.4-134.5', same as 112-120' except for weak qtz stkwrk veining with minor $SiO_2$ flooding along vein margins. Vein qtz is gray, cryptocryst and glassy looking. Mod. goeth, limon, hematite | | | | 56 | | | BD | | 0.0 |
| | | | | 57 | | | BD | | 0.0 |
| | | | | 58 | | | BD | | BD |
| 124.0-131.0', silicified patches. | | | | 59 | | | 0.007 | | 0.2 |
| | | | | 60 | | | 0.038 | | 0.6 |
| | | 85 | | 61 | | | 0.022 | | 1.1 |
| | | | | 62 | | | 0.015 | | 1.0 |
| 134.5-140.3', massive gray py clay (fault fissure?) | | | | 63 | | 134-136 | 0.370 | | 1.3 |
| 134.5-138.8', up to 1% dissem py | | | | 64 | | | 0.009 | | 0.0 |
| 138.8-140.3', 1-3% dissem py Sharp contacts | | 100 | | 65 | | | 0.001 | | 0.0 |

PROJECT: Paiute
LOCATION: Washoe Co.
HOLE NO: P-84-1
SHEET 3 OF 5
CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'
ELEVATION: 5500'
BEARING: 225°
INCLINATION: -60°
TOTAL DEPTH: 335'
COLLAR COORDINATES:
N
E
STARTED: 8-29-84
COMPLETED: 8-30-84




COMMENTS

AVE. CORE REC'Y/HOLE:

| DESCRIPTIVE GEOLOGY | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) | | A (or |
|---|---|---|---|---|---|---|---|---|---|
| 140.3-146.0', gray-grn, welded, coarsely lithic tuff. Py increasing to 2-3% @ 143.0-145.7'. Wk qtz+hem+py veining of sugary qtz @ 145.7-146.0'. Minor hem filling fracts | | 100 | | 66 | | | BD | | 0.0 |
| | | | | 67 | | | BD | | 0.0 |
| | | | | 68 | | | BD | | 0.0 |
| 146.0-158.7', lt red-brn, welded, coarsely lithic tuff. Zone of wk qtz+hem+py veining, locally forming wk stkwrk. 1-3% dissem py in veins and wall rock. Veins just fill fracts with no brecc. Ladder-type vein @ 153.0' | | 95 | | 69 | | | 0.001 | | 0.0 |
| | | | | 70 | | | 0.002 | | 0.1 |
| | | | | 71 | | | 0.001 | | 0.1 |
| | | | | 72 | | | 0.001 | | 0.1 |
| | | | | 73 | | | 0.001 | | 0.1 |
| | | | | 74 | | | BD | | 0.1 |
| 158.7-168.7', gradation into darker red-brn coarsely lithic, welded tuff. Propyl restricted to lithic frags only. | | 93 | | 75 | | | BD | | 0.1 |
| | | | | 76 | | | BD | | 0.1 |
| | | | | 77 | | | BD | | 0.1 |
| | | | | 78 | | | 0.001 | | BD |
| | | | | 79 | | | 0.001 | | BD |
| 168.7-179.9', sharp gradation into lt gray-brn, bleached, coarsely lithic, welded tuff. Slight increase in propyl. Hem assoc with wk qtz veining. Wk $SiO_2$ flooding for 2mm bordering a vein @ 172.0'. 1-2% dissem py with a reddish oxidized cast. | | | | 80 | | | 0.002 | | 0.0 |
| | | | | 81 | | | 0.002 | | 0.0 |
| | | | | 82 | | | 0.001 | | 0.0 |
| | | | | 83 | | | BD | | BD |
| | | | | 84 | | | BD | | BD |
| | | | | 85 | | | 0.001 | | BD |
| | | | | 86 | | | 0.001 | | 0.0 |
| | | | | 87 | | | 0.001 | | BD |
| 182.8-203.9', unaltered, black, fine-grained basaltic dike cut by minor calcite veinlets. Contacts marked by thin chilled zones. Dike contains traces of fine dissem py, particularly in the chilled zones. | | 100 | | | | | | | |
| | | 98 | | | | | | | |
| 203.9-217.6', med gray-grn, coarsely lithic, welded tuff, wk sugary qtz+hem+py veining from 208.3' onward | | | | 98 | | | 0.002 | | BD |
| | | | | 99 | | | 0.001 | | BD |
| | | 100 | | 100 | | | BD | | BD |

PROJECT: Paiute
LOCATION: Washoe Co. N.
HOLE NO: P-84-1
SHEET 4 OF 5

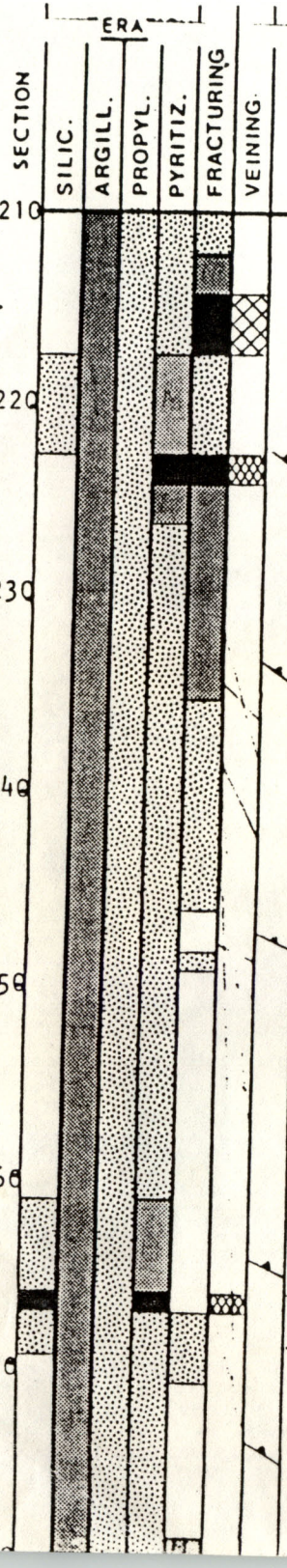
CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

ELEVATION: 5500'
BEARING: 225°
INCLINATION: -60°
TOTAL DEPTH: 335'

COORDINATES: N E
STARTED: 8-29-84
COMPLETED: 8-30-84

COMMENTS:

AVE. CORE REC'Y/HOLE:




## DESCRIPTIVE GEOLOGY

217.6- 222.5', lt tan-gray welded, coarsely lithic tuff. Minor silica-flooded pyritic patches. Wk qtz+barite veining

222.5-224.0', str qtz stkwrk (>25% of rock; 5-10% py

224.0-236.7', lt gray to tan welded, coarsely lithic tuff. Minor veinlets of clay+py to 234.5'. Wk qtz+adularia (?) veining, milky white, vuggy, slightly banded. Qtz veins occur from 234.5- 235.2'. Clay+py veins from 235.2-236.7'.

236.7-244.5', gray, welded, coarsely lithic tuff. Gradational contact.

240.0-244.5', wk qtz and qtz+hem+barite+py veining, up to ½" thick.

244.5-261.2', lt grn-gray, welded, coarsely lithic tuff.

250.5', 1" wide clay-filled fracture parallel to welding and narrow qtz+hem veinlet

261.2-266.0', gradational color change to med grn-gray; 262-264, 1" wide qtz+py vein with 1/8-1/4" wide silica-flooded zone on vein margins

266.0-266.8', dk gray silica-flooded, str vuggy, qtz+py+adularia veining

266.8-287.3', same as 261-166 except w/o patches of silic. 266.8-271.2' wk qtz+py and clay+py veining.

270', argentite in qtz?

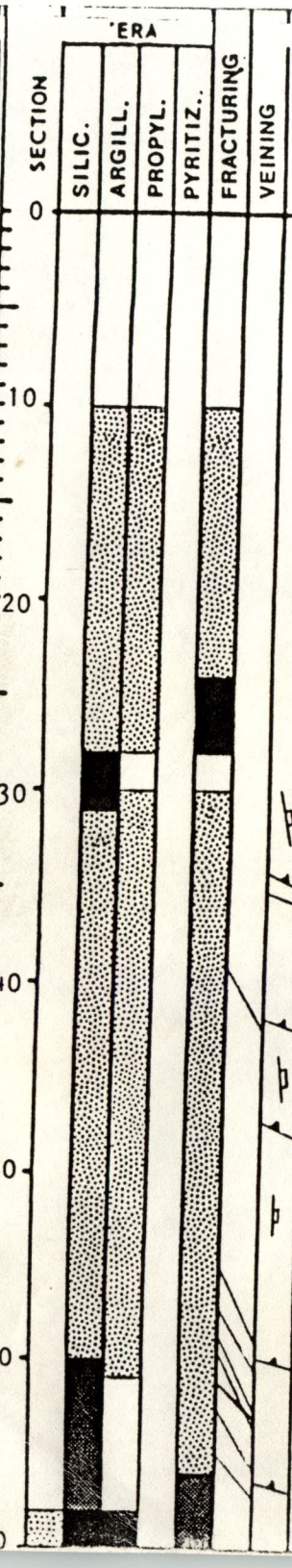
277.5', thin clay+py+goeth fract filling

279.3', 2" dk gray strongly silic patch w/ irreg boundaries

| DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | CORE SAMPLE INTE Au (opt) | | As (op |
|---|---|---|---|---|---|---|---|---|
| | | | 101 | | | 0.012 | | 0.12 |
| | 100 | | 102 | | | 0.001 | | 0.0 |
| | | | 103 | | | 0.002 | | 0.0 |
| | | | 104 | | | BD | | 0.1 |
| | | | 105 | | | BD | | 0.08 |
| | 97 | | 106 | | | BD | | 0.10 |
| | | | 107 | | | 0.008 | | 2.85 |
| | | | 108 | | | BD | | 0.10 |
| | | | 109 | | | BD | | BD |
| | | | 110 | | | BD | | 0.59 |
| | | | 111 | | | BD | | BD |
| | | | 112 | | | BD | | 0.06 |
| | | | 113 | | | 0.001 | | 0.12 |
| | | | 114 | | | BD | | 0.05 |
| | | | 115 | | | BD | | 0.06 |
| | | | 116 | | | 0.001 | | 0.10 |
| | | | 117 | | | BD | | 0.18 |
| | | | 118 | | | BD | | 0.06 |
| | | | 119 | | | 0.001 | | 0.07 |
| | | | 120 | | | 0.001 | | 0.08 |
| | 100 | | 121 | | | 0.001 | | 0.05 |
| | | | 122 | | | 0.001 | | 0.12 |
| | | | 123 | | | 0.001 | | 0.12 |
| | | | 124 | | | 0.006 | | 0.24 |
| | | | 125 | | | 0.001 | | 0.15 |
| | | | 126 | | | 0.001 | | 0.15 |
| | | | 127 | | | 0.111 | | 1.09 |
| | | | 128 | | | 0.002 | | 0.16 |
| | | | 129 | | | 0.181 | | 11.9 |
| | 85 | | 130 | | | 0.001 | | 0.16 |
| | | | 131 | | | BD | | 0.16 |
| | 100 | | | | | | | |
| | 81 | | | | | | | |

COLLAR COORDINATES: N ____ E ____ ELEVATION: 5500'
STARTED: 8-30-84 BEARING: 160°
COMPLETED: 8-31-84 INCLINATION: -60°
TOTAL DEPTH: 380'

CONTRACTOR: Coates PROJECT: Paiute
CORE SIZE: NQ LOCATION: Washoe Co., NV
LOGGED BY: M. H. Payne HOLE NO: P-84-2
SCALE: 1" = 10' SHEET 1 OF 6



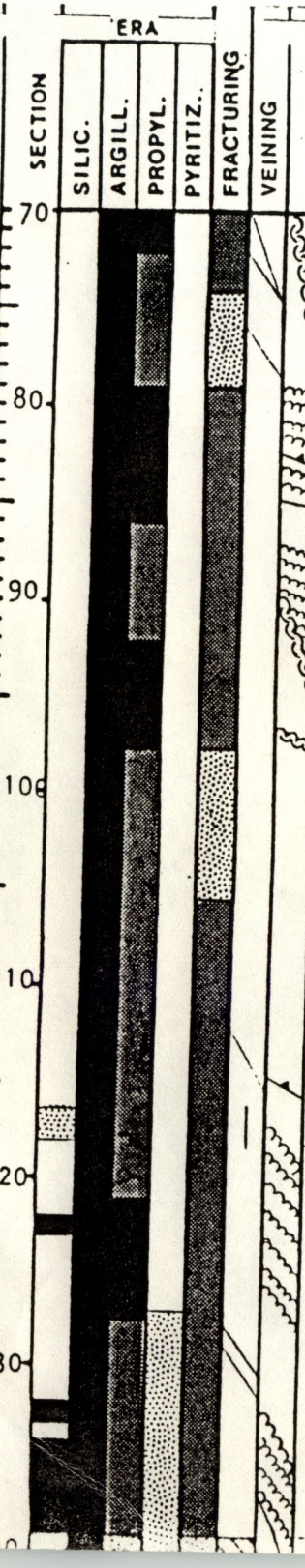

| ERA: SILIC. | ERA: ARGILL. | ERA: PROPYL. | ERA: PYRITIZ. | FRACTURING | VEINING |
|---|---|---|---|---|---|
| | | | | | |

| DESCRIPTIVE GEOLOGY | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) | | A (o |
|---|---|---|---|---|---|---|---|---|---|
| Set casing with rock bit - no recovery | | 0 | | | | | | | |
| 10.0-28.2', dark red-brn, welded, coarsely lithic latitic tuff. Propyl along fracts. Rock typically contains silic lithic frags. (reworked material?) | | 93 | | | | | | | |
| 18.7', 1" fracture filling, clay + chlorite | | 95 | | | | | | | |
| 24.1-28.2', fractures with limon and $MnO_2$ staining, clay + chlorite fillings | | | | | | | | | |
| 28.2-30.2', tan gouge material | | 70 | | | | | | | |
| 30.2-31.5', cream-color str bleach, faint tuff text. Mod limon stain on fracts | | | | | | | | | |
| 31.5-35.2', sharp gradation to red-brn, welded, coarsely lithic tuff, the same as 10.0-28.2' | | | | | | | | | |
| 35.2-60.2', sharp depositional contact into a similar tuff unit of lighter color. Wk to mod. limon on fracts, abundance of silicified and/or pyritized lithic frags. Calcite veinlets from 58.5-60.2'. | | 91 | | 178 | | | 0.001 | | Bl |
| | | | | 179 | | | BD | | Bl |
| | | | | 180 | | | BD | | 0. |
| | | | | 181 | | | 0.001 | | 0. |
| | | | | 182 | | | 0.001 | | 0. |
| | | 90 | | 183 | | | 0.001 | | Bl |
| | | | | 184 | | | BD | | 0. |
| | | 92 | | 185 | | | 0.001 | | 0. |
| | | | | 186 | | | 0.001 | | Bl |
| | | | | 187 | | | 0.001 | | 1. |
| | | | | 188 | | | 0.001 | | BD |
| | | | | 189 | | | BD | | BD |
| 60.2-97.5', sharp gradation to bleached, welded, coarsely-lithic tuff. Lt grn-gray where wkly propyl, med gray-grn where mod, bright blue-grn where strong Limon-stain on fracts. Minor colorless granular qtz vlets, 60.2-61.3'. | | 89 | | 190 | | | 0.001 | | 0. |
| | | | | 191 | | | BD | | 0. |
| | | | | 192 | | | 0.001 | | 0. |
| | | | | 193 | | | 0.001 | | BD |

CONTRACTOR: Coates PROJECT: Paiute
CORE SIZE: NQ LOCATION: Washoe Co. Nv
LOGGED BY: M. H. Payne HOLE NO: P-84-2
SCALE: 1" = 10' SHEET 2 OF 6

ELEVATION: 5500'
BEARING: 160°
INCLINATION: -60°
TOTAL DEPTH: 380'

COLLAR COORDINATES: N E
STARTED: 8-30-84
COMPLETED: 8-31-84




COMMENTS

TYPE CORE REC'Y/HOLE:

DESCRIPTIVE GEOLOGY

97.5-118.2', moderately bleached, welded, coarsely lithic tuff with faint texture. Variable propyl, color is lt grn-gray (wk) to med. gray-grn (mod). 2" thick olive-grn clay + (alunite?) seam parallel to foliation @ 100.5' and a pink (alunite?) patch at 101.1'

116.6-118.2', tiny glassy looking qtz veinlets

118.2-138.9', shear zone. Lt to med grn clay gouge containing brn & gray silicified frags of tuff. Patches of massive silica-flooding from 120.8-126.9'. Pink-tinted, sheeted, glassy qtz veins appear at 126.9-132.2 and 133.0-134.0'. Strong silica-flooding cut by str. qtz stockwork veining, and (>25% veins in rock) breccia filling 132.2-133.0' and 134.0-138.9'. Color of rock dk gray where strongly silic.

| DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) | | A (o |
|---|---|---|---|---|---|---|---|---|
| | 89 | | | | | | | |
| | 100 | | | | | | | |
| | 93 | | | | | | | |
| | 96 | | | | | | | |
| | 100 | | | | | | | |
| | 98 | | 209 | | | 0.001 | | B |
| | | | 217 | | | 0.001 | | B |
| | | | 222 | | | BD | | B |
| | | | 223 | | | 0.001 | | B |
| | | | 224 | | | 0.001 | | B |
| | | | 225 | | | 0.012 | | 0. |
| | | | 226 | | | 0.002 | | B |
| | | | 227 | | | 0.001 | | B |
| | 95 | | 228 | | | 0.002 | | 0. |

PROJECT: Paiute
LOCATION: Washoe Co., N
HOLE NO: P-84-2
SHEET 3 OF 6

CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

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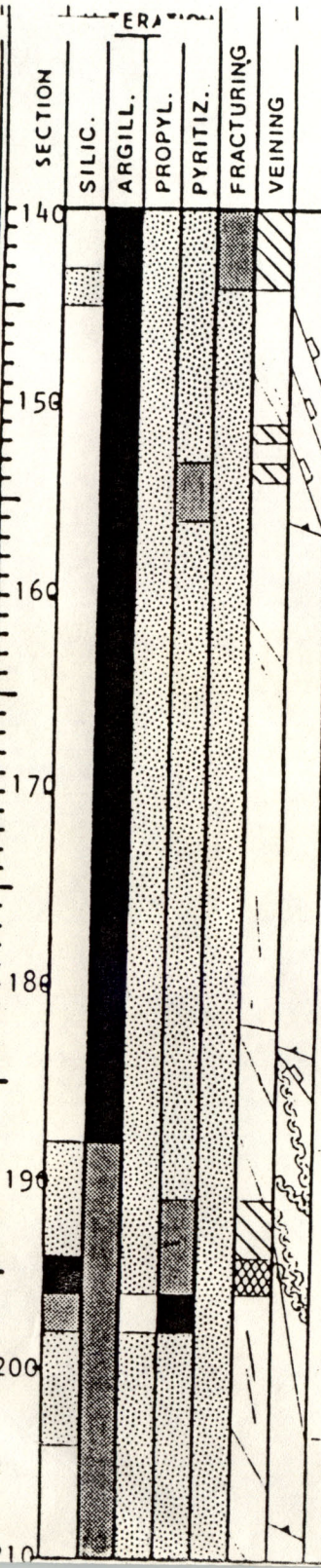


COMMENTS

TYE. CORE REC'Y/HOLE:

## DESCRIPTIVE GEOLOGY

138.9-157.4', sharp contact into lt brn-gray bleached, welded, coarsely lithic tuff with faint welded text. Wk qtz + py + hem veining throughout with wk stkwk veining at 138.9-143.4', 150.7-151.8' and 153.6-154.2'. Most py occurs dissem at outermost edge of veins. Veins are both granular and glassy types

157.4-158.8', shear zone, hvy lim + clay fract fillings

158.8-188.5', med gray, welded, coarsely lithic tuff, slightly bleached, with propyl lithic frags. Volc text slightly more pronounced. Wk qtz ± hem ± py veining, clay + py veining and qtz + clay + limon veining. Qtz veins predominantly granular textured with only minor glassy veins

188.5-203.7', same as 158-188' except lt gray with grn propyl lithic frags, and increased bleaching. Wk to strongly silicified, dk gray patches w/ 5% py locally. Rock contains ½-1% dissem. py. A shear zone with 1-2% py and sharp contacts @ 191.1-191.4'. Wk granular hairline qtz veins 189.5-191.1' and 198.1-203.7' and wk stkwk 191.4-194.1', incr with depth. 194.1-196.0', dk gray str silic bx zone w str qtz + hem + py + adul stkwk, silic clay-gouge, 2-3% py

CORE SAMPLE INT

| DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTI-MATED % | Au (opt) | | A (o |
|---|---|---|---|---|---|---|---|---|
| | | | 229 | | | 0.001 | | B |
| | 95 | | 230 | | | 0.001 | | B |
| | | | 231 | | | 0.002 | | B |
| | 94 | | 232 | | | 0.004 | | B |
| | | | 233 | | | 0.001 | | 0. |
| | | | 234 | | | 0.001 | | 0. |
| | 98 | | 235 | | | 0.001 | | 0. |
| | | | 236 | | | 0.001 | | 0. |
| | | | 237 | | | 0.001 | | B |
| | | | 240 | | | BD | | B |
| | | | 241 | | | BD | | B |
| | 100 | | | | | | | |
| | 99 | | | | | | | |
| | | | 246 | | | 0.001 | | 0. |
| | | | 247 | | | 0.001 | | B |
| | | | 249 | | | 0.004 | | 0. |
| | 100 | | 250 | | | 0.001 | | B |
| | | | 253 | | | BD | | 0. |
| | 87 | | 254 | | | 0.001 | | 0. |
| | | | 255 | | | 0.001 | | 0. |
| | | | 256 | | | 0.016 | | 0. |
| | | | 257 | | | 0.001 | | 0. |
| | | | 258 | | | 0.001 | | 0. |
| | | | 259 | | | BD | | B |
| | | | 260 | | | BD | | 0. |
| | 100 | | 261 | | | 0.001 | BD | B |
| | | | 262 | | | 0.010 | 0.001 | B |
| | | | 263 | | | BD | | 0. |

PROJECT: Paiute
LOCATION: Washoe Co., N
HOLE NO: P-84-2
SHEET 4 OF 6

CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

COLLAR COORDINATES: N E
ELEVATION: 5500'
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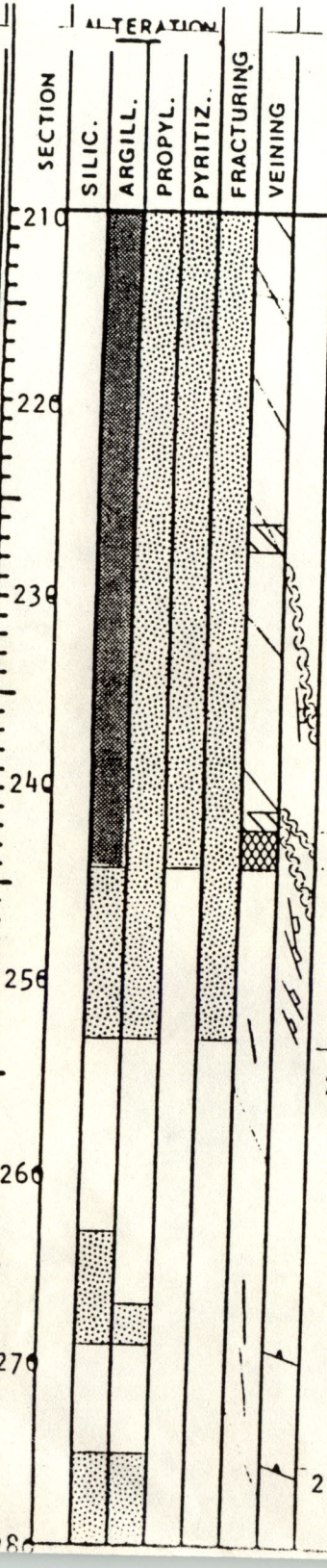



| DESCRIPTIVE GEOLOGY | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) | | |
|---|---|---|---|---|---|---|---|---|---|
| 203.7-242.0', lt gray, welded, coarsely lithic tuff with trace dissem py, bleaching and flow foliation. Zone of wk scattered qtz + clay ± hem ± py veins, qtz ± py veins, and clay ± py veins, filling fracts. Wk qtz + py stkwk veining and assoc propyl and silica-flooding @ 225.8-226.6' and 241.5-242.0'. Scattered dk patches of silicification @ 232.7-233.0' and 239.2-239.4'. Gradual color change to med gray 240-242'. | | | | 264 | | | 0.001 | | 0. |
| | | 100 | | 265 | | | 0.001 | | 0. |
| | | | | 266 | | | BD | | 0. |
| | | | | 267 | | | 0.001 | | 0. |
| | | | | 268 | | | 0.046 | | 1. |
| | | 99 | | 269 | | | 0.001 | | 0. |
| | | | | 270 | | | 0.001 | | 0. |
| | | | | 271 | | | 0.001 | | 0. |
| | | | | 272 | | | 0.001 | | 0. |
| | | | | 273 | | | 0.001 | | 0. |
| | | | | 274 | | | 0.003 | | 0. |
| | | | | 275 | | | 0.001 | | 0. |
| | | 100 | | 276 | | | 0.001 | | 0. |
| | | | | 277 | | | BD | | 0. |
| | | | | 278 | | | BD | | B |
| 242.0-243.5', fault zone, tr py, str clay stkwk veins | | | | 279 | | | BD | | 0. |
| | | | | 280 | | | BD | | 0. |
| 243.5-253.5', med gray, welded, coarsely-lithic tuff w/ tr dissem py. Wk dk gray qtz veining and silic. patches 243.5-244.0'. Wk clay veining @ 244.0-248.9' Clay + qtz + py veinlet @ 253.0'. Gradational contact | | 97 | | | | | | | |
| | | | | 285 | | | BD | | 0. |
| 253.5-275.7', unaltered, welded, coarsely-lithic tuff; dk gray, with fresh biotite, becoming bleached 263.4-266.9'. Wk py ± qtz veins and thin qtz + clay veins scattered @ 266.0-266.8' and 268.9-275.7'. Zone of med. grn-gray altered tuff from 266.9-268.9' | | 100 | | | | | | | |
| | | | | 293 | | | 0.001 | | 0. |
| | | | | 294 | | | 0.001 | | 0. |
| | | | | 295 | | | 0.001 | | 0. |
| | | | | 296 | | | 0.001 | | 0. |
| 275.7-284.0', med gray, altered, welded, coarsely lithic tuff with thin, wk qtz + py vlets. Gradat'nl upper contact | | | | | | | | | |

CORE SAMPLE INT

PROJECT: Paiute
LOCATION: Washoe Co., NV
HOLE NO: P-84-2
SHEET 5 OF 6

CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

COLLAR COORDINATES: N E
ELEVATION: 5500'
BEARING: 160°
INCLINATION: -60°
TOTAL DEPTH: 380'
STARTED: 8-30-84
COMPLETED: 8-31-84

| SECTION | SILIC. | ARGILL. | PROPYL. | PYRITIZ. | FRACTURING | VEINING | DESCRIPTIVE GEOLOGY | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) | | A (o |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | | | | | | | | | | | 299 | | | 0.001 | | 0. |
| | | | | | | | | | | | 300 | | | 0.001 | | 0. |
| | | | | | | | 284.0-289.2', fault, high clay content, volc texture obscured. Horse of unsheared med gray tuff at 287.0-288.3' | | | | | | | | | |
| 290 | | | | | | | 289.2-336.0', med gray, altered, welded, coarsely lithic tuff with <1% dissem py. Scattered qtz and qtz + clay veins @ 290.4 (granular qtz), @ 292.8-293.7' (glassy qtz), @ 303.5' (qtz + py), @ 313.7' (qtz + clay + py), @ 315.3" (½ glassy qtz, ¼ banded) @ 328.7' (qtz + hem + py); clay or clay + hem + py veins @ 302.6-336.0' | | | | 304 | | | 0.001 | | 0. |
| | | | | | | | | | 100 | | 305 | | | 0.001 | | 0. |
| 300 | | | | | | | | | | | | | | | | |
| | | | | | | | | | 83 | | | | | | | |
| 310 | | | | | | | | | | | | | | | | |
| | | | | | | | | | 100 | | | | | | | |
| | | | | | | | | | | | 317 | | | 0.001 | | 0. |
| 320 | | | | | | | | | | | | | | | | |
| | | | | | | | | | 67 | | | | | | | |
| 330 | | | | | | | | | | | 323 | | | 0.002 | | 0. |
| | | | | | | | | | 100 | | | | | | | |
| | | | | | | | 336.0-337.4', wk shear zone, wk clay vlets | | | | | | | | | |
| 340 | | | | | | | 337.4-368.8', same as 289-336' except for zones of dk gray strong silic up to 4" thick parallel to flow foliation of welding. Tr dissem py in rock. Wk yel to gray clay or clay + py vlets from 343.0-368.8' | | | | | | | | | |
| | | | | | | | | | 98 | | | | | | | |

PROJECT: Paiute
LOCATION: Washoe Co., NV
HOLE NO: P-84-2
SHEET 6 OF 6

CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

COLLAR COORDINATES: N E
ELEVATION: 5500'
BEARING: 160°
INCLINATION: -60°
TOTAL DEPTH: 380'
STARTED: 8-30-84
COMPLETED: 8-31-84

| SECTION | ALTERATION: SILIC. | ARGILL. | PROPYL. | PYRITIZ. | FRACTURING | VEINING | COMMENTS | DESCRIPTIVE GEOLOGY | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTI-MATED % | CORE SAMPLE Au (opt) | | A (o |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 350 | | | | | | | | | | 98 | | | | | | | |
| 360 | | | | | | | | | | 100 | | | | | | | |
| 370 | | | | | | | | 368.8-374.0', fault zone; sheared material, same as 289-336' | | 96 | | | | | | | |
| 380 | | | | | | | | 374.0-380.0', same as 289-336' | | 78 | | | | | | | |
| TD | | | | | | | | | | | | | | | | | |

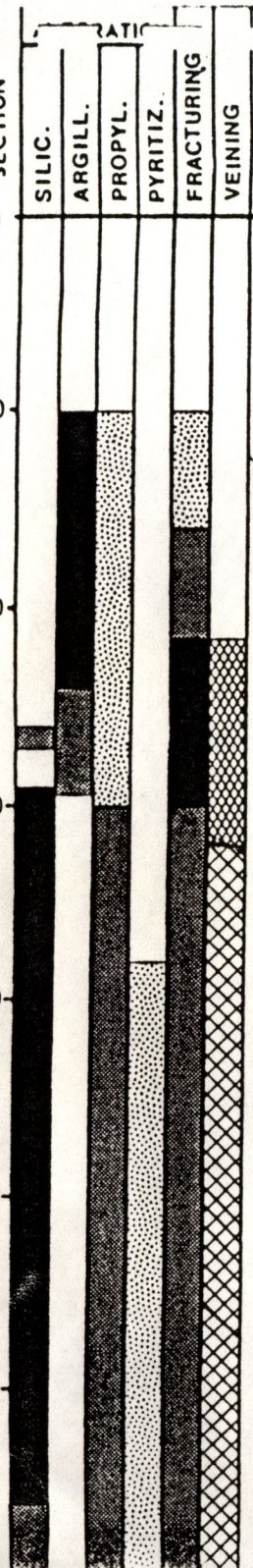
REC'Y/HOLE:

PROJECT: Paiute
LOCATION: Washoe Co.,
HOLE NO: P-84-3
SHEET 1 OF 4

CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

ELEVATION: 5370'
BEARING: 226°
INCLINATION: -25°
TOTAL DEPTH: 225'

COLLAR COORDINATES:
N
E
STARTED: 8-31-84
COMPLETED: 9-2-84




COMMENTS:

TOTAL CORE REC'Y/HOLE:

| DESCRIPTIVE GEOLOGY | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) | | A (o |
|---|---|---|---|---|---|---|---|---|---|
| Set casing with rock bit - no recovery | | | | | | | | | |
| 10.0-15.5', gray-grn, bleached, altered, welded, coarsely lithic tuff, wk limon on fracts | | 99 | | 349 | | | BD | | 0.( |
| | | | | 350 | | | 0.002 | | 0.( |
| | | | | 351 | | | BD | | BI |
| 15.5-23.6', sharp contact, gray-grn, massive clay, strong stkwk of massive qtz, 1/8-3" thick, veins slightly vuggy, show signs of brecciation and re-cementing w/ clay + qtz, limon & jaros on fracts | | 97 | | 352 | | | BD | | 0.1 |
| | | | | 353 | | | 0.001 | | 0.1 |
| | | | | 354 | | | 0.012 | | 0.1 |
| | | | | 355 | | | 0.006 | | 0.2 |
| 23.6-30.4', str qtz stkwk veining in gray-grn, bleached altered, welded, coarsely lithic tuff, sheared and mod silica-flooded @ 26.0-27.0', massive clay @ 29.0 29.6-30.4 silic assoc w/ str stkwk, | | | | 356 | | | 0.001 | | 0.1 |
| | | 80 | | 357 | | | 0.001 | | 0.( |
| | | | | 358 | | | 0.001 | | BI |
| 30.4-65.8', bright blue-grn, altered, welded, coarsely lithic tuff, volc text very faint, str silic assoc w/ qtz stkwk veining, some adularia in veins, ¼" bleached gray envelope on some vein margins, mod hem, goeth, limon, and jaros on fracts 63.2-65.8', grades to bleached, gray-grn color | | | | 359 | | | 0.001 | | 0.( |
| | | | | 360 | | | 0.001 | | 0.( |
| | | | | 361 | | | 0.001 | | 0.( |
| | | 83 | | 362 | | | 0.151 | | 6.9 |
| | | | | 363 | | | 0.021 | | 0.7 |
| | | | | 364 | | | 0.002 | | 0.2 |
| | | | | 365 | | | 0.001 | | BD |
| | | | | 366 | | | 0.003 | | 0.( |
| | | 100 | | 367 | | | 0.001 | | 0.( |
| | | | | 368 | | | 0.003 | | BD |
| | | | | 369 | | | 0.002 | | 0.( |
| | | | | 370 | | | 0.001 | | 0.( |
| | | 78 | | 371 | | | 0.001 | | 0.( |
| | | | | 372 | | | 0.114 | | 0.1 |
| | | | | 373 | | | 0.001 | | 0.0 |
| | | | | 374 | | | 0.001 | | 0.1 |
| | | 100 | | 375 | | | 0.001 | | 0.1 |
| | | | | 376 | | | 0.001 | | 0.2 |
| | | 37 | | 377 | | | BD | | BD |
| | | | | 378 | | | 0.001 | | BD |

PROJECT: Paiute
LOCATION: Washoe Co.,
HOLE NO: P-84-3
SHEET 2 OF 4

CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

ELEVATION: 5370
BEARING: 226°
INCLINATION: -25°
TOTAL DEPTH: 225'

COLLAR COORDINATES:
N
E
STARTED: 8-31-84
COMPLETED: 9-2-84

ALTERATION: SECTION, SILIC., ARGILL., PROPYL., PYRITIZ., FRACTURING, VEINING

COMMENTS:

TOTAL CORE REC'Y/HOLE:

| DESCRIPTIVE GEOLOGY | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) | | A (o |
|---|---|---|---|---|---|---|---|---|---|
| 65.8-84.0', qtz stkwk veining in blue-grn altered, welded, coarsely lithic tuff, volc text preserved; trace dissem py in veins and wall rock, wk hem + clay veining up to 3/8" | | 37 | | 379 | | | 0.001 | | 0.0 |
| | | | | 380 | | | 0.001 | | 0.1 |
| | | | | 381 | | | BD | | 0.0 |
| | | | | 382 | | | 0.001 | | BD |
| | | 80 | | 383 | | | 0.033 | | 0.2 |
| | | | | 384 | | | 0.002 | | 0.1 |
| | | | | 385 | | | 0.002 | | BD |
| 84.0-99.8', pale grn-gray, bleached, welded, coarsely lithic tuff. 84-89.3', heavy limon on fracts. 86.7-99.8', tr dissem py in veins & wall rocks. 89.3-99.8', wk to str stkwk, vuggy, granular qtz + adul + py veins up to 1/8" thick. Silicified 1" borders of larger veins and areas of str stkwk veining. Wk clay + limon veins | | 100 | | 386 | | | 0.001 | | 0.0 |
| | | | | 387 | | | 0.001 | | BD |
| | | | | 388 | | | 0.001 | | 0.0 |
| | | 84 | | 389 | | | 0.001 | | 0.0 |
| | | | | 390 | | | 0.001 | | 0.1 |
| | | | | 391 | | | 0.001 | | 0.0 |
| | | | | 392 | | | 0.003 | | 0.1 |
| 99.8-108.5, olive-gray becoming lt grn, bleached, altered, welded, coarsely lithic tuff. 99.8-100.4', minor soapy grn epidote + chlorite on fracts. 100.4-103.3', wk brecc'n of rock, filling by massive gray, tan, grn clay | | 100 | | 393 | | | 0.008 | | 0.4 |
| | | | | 394 | | | 0.001 | | 0.0 |
| | | | | 395 | | | 0.001 | | 0.0 |
| | | | | 396 | | | 0.002 | | 0.1 |
| | | 98 | | 397 | | | 0.012 | | 0.2 |
| 108.5-121.9', lt yell-grn becoming pale gray-grn, bleached, welded, coarsely lithic tuff, volc text oblitereated 108.5-110.0'. Cut by minor qtz veins to mod qtz stkwk. 108.5-110.0', mod clay veining. 110.0-112.4', wk clay veining. 110.0-113.0', str pervasive silica-flooding. 110.1-110.9' & 111.8-112.4', sheared | | | | 398 | | | 0.003 | | 0.2 |
| | | | | 399 | | | 0.001 | | 0.0 |
| | | | | 400 | | | 0.012 | | 0.0 |
| | | | | 401 | | | 0.002 | | 0.0 |
| | | 90 | | 402 | | | BD | | 0.0 |
| | | | | 403 | | | 0.001 | | 0.1 |
| | | 65 | | 404 | | | BD | | 0.3 |
| 121.9-127.6', fault. Silic fault bx with gray & red-brn rounded clasts of massive qtz and silic tuff. 124.6-127.6', bleached, lt gray sheared tuff. | | 78 | | 405 | | | 0.003 | | 0.1 |
| | | | | 406 | | | 0.008 | | 0.11 |
| | | | | 407 | | | 0.001 | | 0.02 |
| 127.6-134.9', sharp contacts, red-brn, altered, welded coarsely lithic tuff, wk propyl on fracts, wk grn and tan clay veining on fracts | | 67 | | 408 | | | 0.001 | | BD |
| | | | | 409 | | | 0.001 | | 0.07 |
| | | | | 410 | | | 0.001 | | 0.20 |
| 134.9-145.2', gradation to bleached, lt gray, altered, welded, coarsely lithic tuff, volc text more distinct, (cont'd) | | 73 | | 411 | | | BD | | BD |
| | | | | 412 | | | 0.001 | | 0.08 |
| | | 20 | | 413 | | | 0.001 | | 0.09 |

CORE SAMPLE INT

PROJECT: Paiute
LOCATION: Washoe Co., N
HOLE NO: P-84-3
SHEET 3 OF 4

CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

ELEVATION: 5370'
BEARING: 226°
INCLINATION: -25°
TOTAL DEPTH: 225'

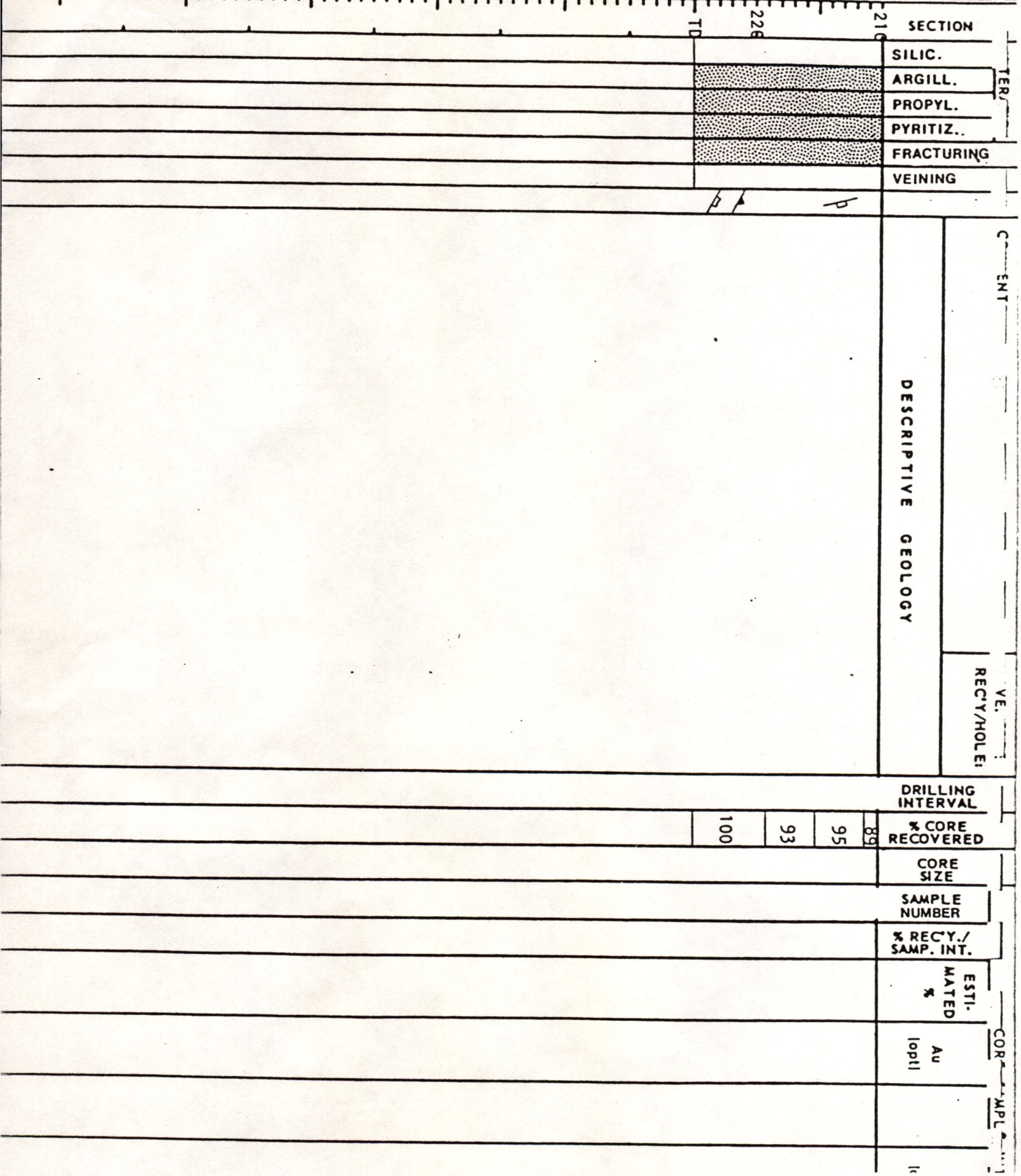
COLLAR COORDINATES:
N
E
STARTED: 8-31-84
COMPLETED: 9-2-84

COMMENTS:

AVE. CORE REC'Y/HOLE:

| SECTION | ALTERATION: SILIC. | ARGILL. | PROPYL. | PYRITIZ. | FRACTURING | VEINING | DESCRIPTIVE GEOLOGY | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) | Ag (op |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 140 | | | | | | | 134.9-135.7', minor qtz + clay veins w/ wk silic on margins, 142.0-145.2', wk clay veining | | 20 | | 414 | | | 0.008 | 0.0 |
| | | | | | | | | | | | 415 | | | 0.001 | 0.1 |
| | | | | | | | 145.2-158.3', med gray, altered, welded, coarsely lithic tuff. Mod tan clay + py veining. 148.8-149.3', dk gray patch of str silicif. 153.0-155.4', very vuggy, wk to mod qtz + py stkwk veins up to 3/4" thick, 1% py dissem. | | | | 416 | | | 0.001 | 0.0 |
| | | | | | | | | | | | 417 | | | 0.004 | 0.0 |
| 150 | | | | | | | | | | | 418 | | | BD | 0.0 |
| | | | | | | | | | 94 | | 419 | | | BD | 0.0 |
| | | | | | | | | | | | 420 | | | BD | 0.0 |
| | | | | | | | | | | | 421 | | | BD | 0.0 |
| | | | | | | | | | | | 422 | | | 0.001 | 0.3 |
| 160 | | | | | | | 158.3-162.5', red-brn, altered, welded, coarsely lithic tuff, minor clay veins and qtz veins | | | | 423 | | | 0.002 | 0.0 |
| | | | | | | | | | | | 424 | | | 0.01 | 0.1 |
| | | | | | | | 162.5-169.7', bleached, lt gray, altered, welded, coarsely lithic tuff; wk qtz + clay + py veining | | 80 | | | | | | |
| | | | | | | | | | | | 427 | | | BD | 0.0 |
| 170 | | | | | | | | | | | 428 | | | 0.001 | 0.0 |
| | | | | | | | 169.7-174.0', red-brn, altered, welded, coarsely lithic tuff; volc text quite distinct | | 59 | | | | | | |
| | | | | | | | 174.0-179.7', bleached, lt gray tuff same as 162-169' 175.7', clay and lesser qtz vein | | | | 431 | | | BD | BD |
| 180 | | | | | | | | | 98 | | | | | | |
| | | | | | | | 179.7-184.0', med gray, altered, welded, coarsely lithic tuff, color change due to incr in hem content | | | | | | | | |
| | | | | | | | 184.0-196.5', lt gray, altered, welded, coarsely lithic tuff, color change due to decrease in hem content, volc text well-preserved. 188.2-194.5', minor qtz + clay + py veins. 188.9-196.5', tr dissem py in veins and wall rock. 194.5-195.0, mod qtz stkwk veining. | | 99 | | | | | | |
| 190 | | | | | | | | | | | | | | | |
| | | | | | | | 196.5-225.0', lt grn-gray, altered, welded, coarsely lithic tuff. 196.5-207.0', tr dissem py. 199.7', clay seam, ¼" thick. 209.0-210.0', hem + clay vlets. 215.5-216.5', propyl on fracts only. 224.5', hair-line pyrite veinlets | | 100 | | | | | | |
| 200 | | | | | | | | | | | | | | | |
| 210 | | | | | | | | | 89 | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| COLLAR COORDINATES: | | ELEVATION: | 5370' | CONTRACTOR: | Coates | PROJECT: | Paiute |
| N | E | BEARING: | 226° | CORE SIZE: | NQ | LOCATION: | Washoe Co., NV |
| STARTED: | 8-31-84 | INCLINATION: | -25° | LOGGED BY: | M. H. Payne | HOLE NO: | P-84-3 |
| COMPLETED: | 9-2-84 | TOTAL DEPTH: | 225° | SCALE: | 1" = 10' | SHEET 4 | OF 4 |

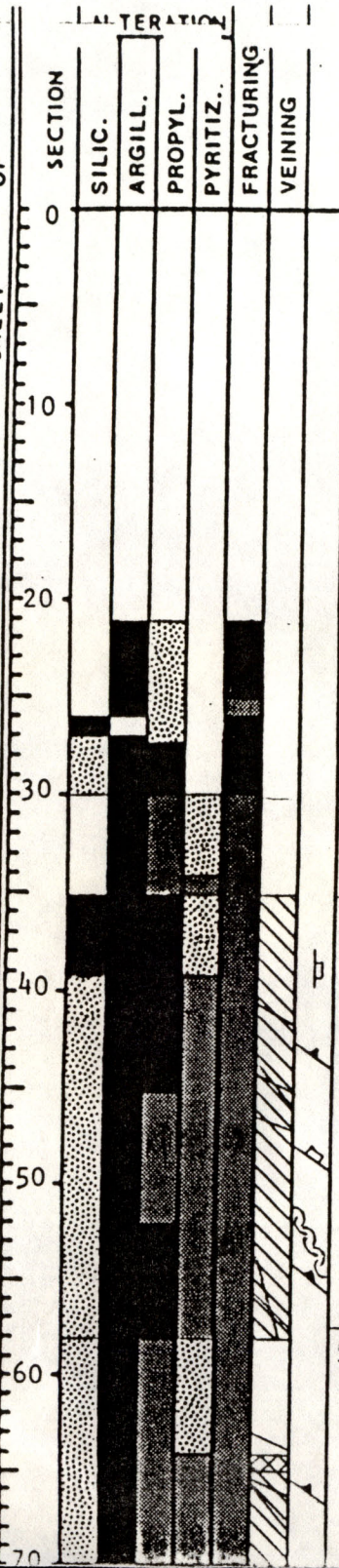


PROJECT: Paiute
LOCATION: Washoe Co. NV
HOLE NO: P-84-4
SHEET 1 OF 4

CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

ELEVATION: 5370'
BEARING: 226°
INCLINATION: -58°
TOTAL DEPTH: 272'

COLLAR COORDINATES:
N
E
STARTED: 9-2-84
COMPLETED: 9-3-84

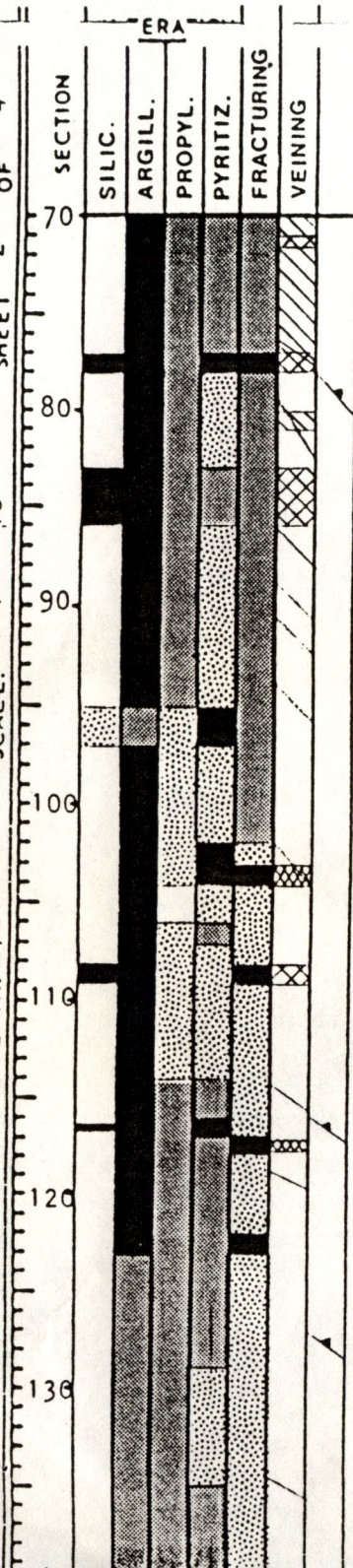



COMMENTS:

LVE. CORE REC'Y/HOLE:

| DESCRIPTIVE GEOLOGY | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) | |
|---|---|---|---|---|---|---|---|---|
| Set casing with rock bit in badly fractured ground - no recovery | | 0 | | | | | | |
| 21.0-27.0', strongly altered, bleached, welded, coarsely lithic tuff, lt grn-gray, becoming lt gray @ 25'. Mod qtz ± hem stkwk veining, wk clay veining | | 57 | | 457 | | | 0.009 | B |
| | | | | 458 | | | 0.001 | B |
| | | | | 459 | | | 0.002 | B |
| 27.0-30.0', sharp color change to bright blue-grn. Mod qtz stkwk veining, wk clay veining. | | 100 | | 460 | | | 0.001 | B |
| | | | | 461 | | | 0.001 | 0. |
| 30.0-35.0', color and alteration similar to 21-27' except wk incr to mod py; wk qtz veining @ 34-35', wk clay veining 30-34' | | | | 462 | | | 0.001 | 0. |
| | | | | 463 | | | 0.001 | 0. |
| | | | | 464 | | | 0.004 | 0. |
| 35.0-57.6', sharp change to variably propylitized, pyritized and silicified, welded, coarsely lithic tuff bright blue-grn (strong propyl) to med gray-grn (mod propyl) color; strong silic 35-39.4', wk patchy silic 39.4-57.6'. Wk qtz stkwk, veins are massive, glassy type to 48.3', then predominantly colorless, vuggy, granular types, with tan clay ± barite filling centers. Wk yellow clay veining. Py < 1% @ 35-39', 1-3% @ 39-57'. 35.5', large broken, gray, glassy, qtz vein 52.5-56.4', heavy limon + hem mud in fracts 57.6', 1/8" qtz + hem + py vein | | 43 | | 465 | | | 0.009 | B |
| | | | | 466 | | | 0.009 | 0. |
| | | 99 | | 467 | | | 0.001 | 0. |
| | | | | 468 | | | 0.003 | 0. |
| | | | | 469 | | | 0.001 | 0. |
| | | | | 470 | | | 0.001 | 0. |
| | | | | 471 | | | 0.001 | 0. |
| | | 91 | | 472 | | | 0.001 | 0. |
| | | | | 473 | | | 0.001 | 0. |
| | | | | 474 | | | BD | 0. |
| 57.6-95.0', altered, lt gray=grn, qtz veined, welded, coarsely lithic tuff. Wk patchy silic assoc with qtz stkwk at 76.7-78.1', and 83.0-86.4'. Wk to mod stkwk of banded, vuggy, granular qtz ± adularia ± hem ± py ± clay veins from 64.1-78.1', 80.0-81.0', 83.0-86.4'. Wk qtz ± clay, or clay veins filling parallel fracts throughout the remainder (cont'd) | | 100 | | 475 | | | 0.001 | 0. |
| | | | | 476 | | | 0.002 | 0. |
| | | | | 477 | | | 0.001 | 0. |
| | | | | 478 | | | 0.003 | 0.1 |
| | | | | 479 | | | 0.001 | 0. |
| | | | | 480 | | | 0.003 | 0. |
| | | | | 481 | | | 0.001 | 0. |

PROJECT: Paiute
LOCATION: Washoe Co., N
HOLE NO: P-84-4
SHEET 2 OF 4
CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'
ELEVATION: 5370'
BEARING: 226°
INCLINATION: -58°
TOTAL DEPTH: 272'
COLLAR COORDINATES: N E
STARTED: 9-2-84
COMPLETED: 9-3-84




COMMENTS

REC'Y/HOLE:

## DESCRIPTIVE GEOLOGY

Dissem py occurs both in veins and wall rock
63.5', parallel qtz veins
65.5', larger parallel qtz veins
67.0', qtz + adularia (?) vein
77.5', dk gray qtz vein
81.5', qtz + adularia vein
86.5-95.0', parallel qtz veining

95.0-102.3', altered, welded, coarsely lithic tuff. Mottled lt grn-gray and red-brn. Localized silic and minor granular, vuggy qtz veins 95-97' and 101.6-102.7'. Py variable and inc where veins occur

102.7-148.3', bleached, altered, welded, coarsely lithic tuff. Scattered, wk, qtz veins filling parallel fracts @ 105.8-106.9', 108.7-109.6', 114.1-128.8', 132-133, 139.2-144.0', and 146.5-148.3'. Narrow zones of wk to str qtz stkwk veining and localized silic on vein margins @ 102.7-103.3', 108.1-108.7', 117', 144.0-146.5'. Qtz veins are white to med gray, vuggy, broken. Dissem py incr with intensity of qtz stkwk.
120', vuggy qtz + py vein containing small amounts of a metallic, dk steel-gray, cubic sulfide, with poor cleavage, possibly digenite ($Cu_2S$) or stromeyerite (CuAgS)?. Zones of shearing @ 121.7-123.0' and 144.0-146.5'
143.5', fault
144.0', fault

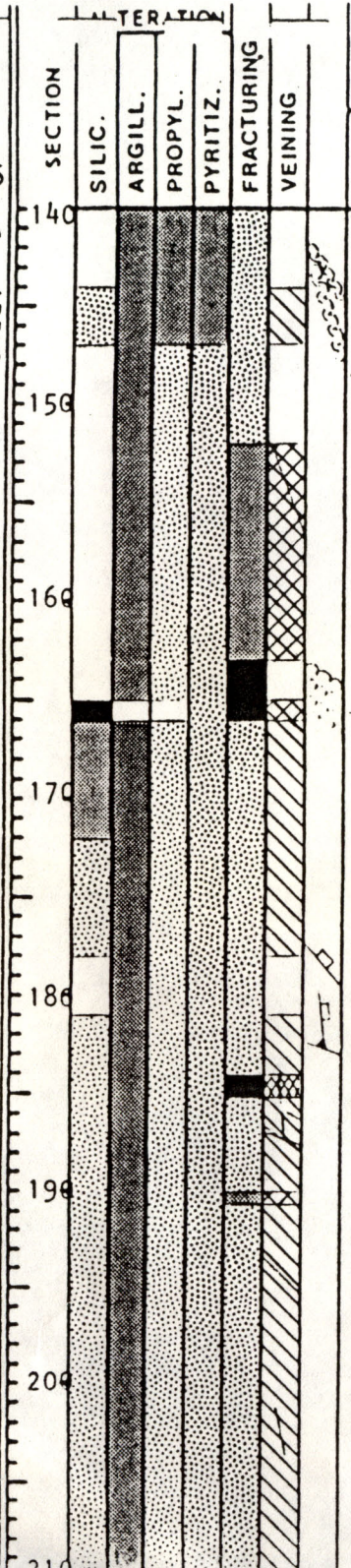
| DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) | | A (o |
|---|---|---|---|---|---|---|---|---|
| | | | 482 | | | 0.002 | | 0. |
| | | | 483 | | | 0.004 | | 0. |
| | | | 484 | | | 0.003 | | 0. |
| | | | 485 | | | 0.003 | | 0. |
| | 100 | | 486 | | | 0.001 | | 0. |
| | | | 487 | | | 0.003 | | BD |
| | | | 488 | | | 0.003 | | 0.1 |
| | | | 489 | | | 0.002 | | 0. |
| | | | 490 | | | 0.004 | | 0. |
| | | | 491 | | | 0.002 | | BD |
| | 61 | | 492 | | | 0.001 | | 0. |
| | | | 493 | | | 0.002 | | 0.1 |
| | | | 494 | | | 0.002 | | 0. |
| | | | 495 | | | 0.210 | | 1. |
| | 27 | | 496 | | | 0.007 | | 0.3 |
| | | | 497 | | | 0.002 | | 0.1 |
| | | | 498 | | | 0.001 | | 0.2 |
| | 100 | | 499 | | | 0.003 | | 0. |
| | | | 500 | | | 0.018 | | 4.8 |
| | | | 501 | | | 0.004 | | 0. |
| | 70 | | 502 | | | BD | | BD |
| | | | 503 | | | 0.001 | | BD |
| | | | 504 | | | 0.002 | | 0. |
| | | | 505 | | | 0.001 | | 0.1 |
| | 100 | | 506 | | | 0.004 | | 0.1 |
| | | | 507 | | | 0.001 | | 0. |
| | 93 | | 508 | | | 0.002 | | 0. |
| | | | 509 | | | BD | | 0. |
| | | | 510 | | | 0.017 | | 0. |
| | 100 | | 511 | | | 0.001 | | 0.1 |
| | | | 512 | | | 0.001 | | BD |
| | | | 513 | | | 0.001 | | 0.2 |
| | 90 | | 514 | | | 0.001 | | BD |
| | | | 515 | | | 0.022 | | BD |
| | 95 | | 516 | | | 0.001 | | 0.1 |

PROJECT: Paiute
LOCATION: Washoe Co., NV
HOLE NO: P-84-4
SHEET 3 OF 4

CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

ELEVATION: 5370'
BEARING: 226°
INCLINATION: -58°
TOTAL DEPTH: 272'

COLLAR COORDINATES:
N E
STARTED: 9-2-84
COMPLETED: 9-3-84




COMMENTS

AVE. CORE REC'Y/HOLE:

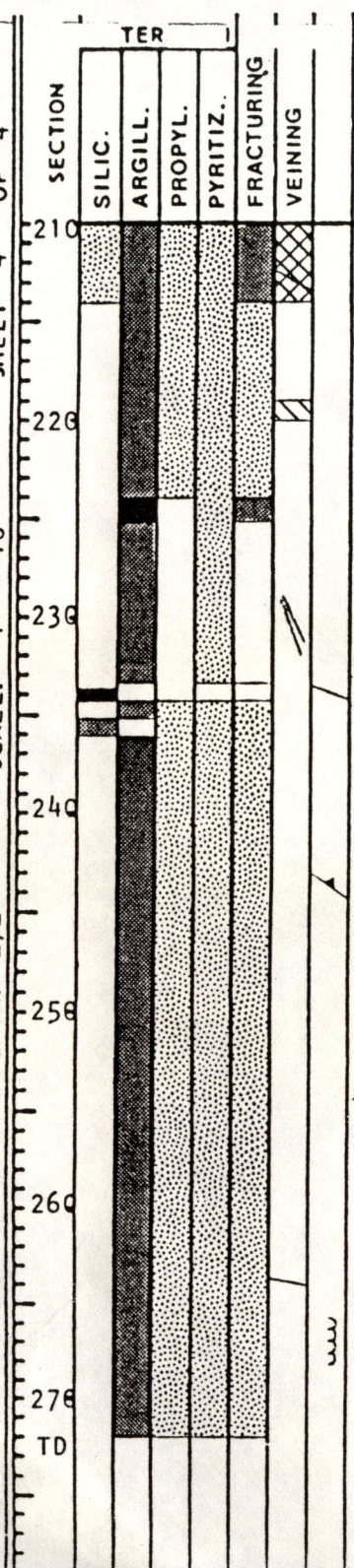
## DESCRIPTIVE GEOLOGY

148.3-165.4', med gray, altered, welded, coarsely lithic tuff. Less than 1% dissem py. 148.0-151.8', wk gray, waxy clay veining. 151.8-163.1', mod stkwk veining a) vuggy, white to lt gray, granular qtz + py ± barite, b) thin, qtz + hem + py veins, c) clay > qtz veins, up to 1", minor brecc'n. 163.1-165.4', shear zone, clay gouge with chunks of gray chalced qtz

165.4-214.2', med gray, altered, welded, coarsely lithic tuff, dk grn-gray where silic.
165.4-166.1', dk gray, str silic, brecciated w/ mod qtz stkwk, 1% dissem py
166.1-178.1', wk stkwk of granular, vuggy qtz + py + barite, minor brecc'n of wall rocks and silica-flooding. Locally stkwk becomes mod. Py decreases with depth.
178.1-181.1', wk yellow or tan clay vlets
181.1-214.2', zone of qtz stkwk veining, range from wk to strong, gray to white granular, qtz + adularia + py ± hem ± tan clay veins up to ½" thick with baring filling vugs

| DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) | | |
|---|---|---|---|---|---|---|---|---|
| | | | 517 | | | 0.002 | | 0. |
| | 95 | | 518 | | | 0.002 | | 0. |
| | | | 519 | | | 0.001 | | 0. |
| | | | 520 | | | 0.001 | | 0. |
| | | | 521 | | | 0.001 | | 0. |
| | 100 | | 522 | | | 0.001 | | B |
| | | | 523 | | | 0.001 | | 0. |
| | | | 524 | | | 0.001 | | 0. |
| | | | 525 | | | 0.001 | | 0. |
| | 71 | | 526 | | | 0.001 | | 0. |
| | | | 527 | | | 0.009 | | B |
| | | | 528 | | | 0.001 | | 0. |
| | 37 | | 529 | | | 0.006 | | B |
| | | | 530 | | | 0.002 | | B |
| | | | 531 | | | 0.001 | | 0. |
| | | | 532 | | | 0.001 | | 0. |
| | | | 533 | | | 0.002 | | B |
| | 100 | | 534 | | | 0.001 | | B |
| | | | 535 | | | 0.001 | | 0. |
| | | | 537 | | | 0.002 | | 0. |
| | | | 538 | | | BD | | 0. |
| | | | 539 | | | 0.001 | | 0. |
| | | | 540 | | | 0.001 | | 0. |
| | | | 541 | | | BD | | 0. |
| | 94 | | 542 | | | 0.002 | | 0. |
| | | | 543 | | | 0.002 | | 0. |
| | | | 544 | | | 0.001 | | 0. |
| | | | 545 | | | 0.001 | | BI |
| | | | 546 | | | 0.001 | | 0. |
| | 100 | | 547 | | | BD | | 0. |
| | | | 548 | | | 0.001 | | BI |
| | | | 549 | | | 0.001 | | 0. |
| | | | 550 | | | BD | | 0. |
| | 98 | | 551 | | | BD | | 0. |

PROJECT: Paiute
LOCATION: Washoe Co., NV
HOLE NO: P-84-4
SHEET 4 OF 4
CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'
ELEVATION: 5370'
BEARING: 226°
INCLINATION: -58°
TOTAL DEPTH: 272'
COLLAR COORDINATES:
N
E
STARTED: 9-2-84
COMPLETED: 9-3-84




| DESCRIPTIVE GEOLOGY | % CORE RECOVERED | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) |
|---|---|---|---|---|---|
| | | 552 | | | BD |
| | 98 | 553 | | | 0.001 |
| 214.2-232.9', altered, welded, coarsely lithic tuff. Med gray, to dk gray @ 229.5'. Gray gouge zone (fault) and sheared tuff 223.7-225.0'. Wk qtz + clay stkwk stringers @ 218.7-220.2'. 221.8-222.7', wk clay > qtz veins 225.0-225.7', wk clay > qtz veins 229.8', 3/8" clay > qtz + hem vein | | 556 | | | 0.001 |
| | | 557 | | | 0.001 |
| | 100 | 559 | | | 0.002 |
| 232.9-233.5', unaltered black basaltic dike | | | | | |
| 233.5-254.5', dk gray, welded, coarsely lithic tuff. Localized mod to strong patches of silic up to 4" in diam. Wk calcite stringers | | | | | |
| | 89 | | | | |
| | 100 | | | | |
| 254.5-272.0', sharp gradation to red-brn, welded, coarsely-lithic tuff. Tr dissem py 263.5', 1/16" red hem + clay veinlet 266.1-266.7', gouge zone | 92 | | | | |
| | 100 | | | | |

PROJECT: Paiute
LOCATION: Washoe Co. Nv
HOLE NO: P-84-5
SHEET 1 OF 4

CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

ELEVATION: 5370'
BEARING: 164°
INCLINATION: -58°
TOTAL DEPTH: 266'

COLLAR COORDINATES: N E
STARTED: 9-3-84
COMPLETED: 9-3-84

| SECTION | SILIC. | ARGILL. | PROPYL. | PYRITIZ. | FRACTURING | VEINING | DESCRIPTIVE GEOLOGY | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) | | A (o |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | Set casing with tri-cone bit - no recovery | | 0 | | | | | | | |
| 10 | | | | | | | 11.0-29.5', lt gray-grn, bleached, welded, coarsely lithic tuff with dk gray silic, angular frags and propyl lithic frags to 15.8'. Sheared tuff to 29.2'. Gray gouge zone to 29.5' | | 66 | | | | | | | |
| 20 | | | | | | | | | 99 | | | | | | | |
| | | | | | | | | | 100 | | | | | | | |
| 30 | | | | | | | 29.5-32.2', massive white qtz, broken w/ clay + limon + goeth on fracts, str silica-flooding on vein margins | | | | 592 | | | 0.001 | | 0.0 |
| | | | | | | | | | | | 593 | | | 0.003 | | 0.0 |
| | | | | | | | 32.2-37.5', lt blue-grn tuff. Sheared 32.2-35.6', gray, glassy qtz veins w/ wk patchy silic on borders. Wk, irreg qtz stkwk 35.6-37.5', wk limon on fracts | | 77 | | 594 | | | 0.001 | | BD |
| | | | | | | | | | | | 595 | | | 0.001 | | 0.0 |
| | | | | | | | | | | | 596 | | | 0.001 | | BD |
| 40 | | | | | | | 37.5-41.2', gray gouge zone. Wk pervasive limon + jaros stain | | 66 | | 597 | | | 0.001 | | 0.0 |
| | | | | | | | | | | | 598 | | | BD | | BD |
| | | | | | | | 41.2-47.1', olive-grn to med gray-grn tuff. Wk to mod stkwk of white, granular qtz veins to 43.6'. Sheared gouge zone 43.6-44.1' with 2-3% py. | | | | 599 | | | 0.001 | | 0.0 |
| | | | | | | | | | 93 | | 600 | | | 0.007 | | BD |
| | | | | | | | | | | | 601 | | | 0.002 | | BD |
| | | | | | | | 47.1-50.3', bright blue-grn, silic tuff; mod stkwk, 1-3% py, str limon + jaros on fracts | | 80 | | 602 | | | 0.001 | | 0.0 |
| 50 | | | | | | | | | | | 603 | | | 0.002 | | 0.1 |
| | | | | | | | 50.3-71.2', Med gray-grn, altered, welded, coarsely lithic tuff. Zone of qtz stkwk veining, wk to str; vuggy, granular, with vug-filling barite or gypsum, up to ½". 60.0-68.1', qtz + clay veins. 68.1-71.2', wk qtz ± barite ± clay veins. Wk limon + goeth on fracts. | | | | 604 | | | 0.025 | | BD |
| | | | | | | | | | | | 605 | | | 0.002 | | 0.0 |
| | | | | | | | | | 89 | | 606 | | | 0.009 | | BD |
| | | | | | | | | | | | 607 | | | 0.004 | | 0.0 |
| 60 | | | | | | | 58.3-60.0', 1-3% dissem py in veins and walls. <1% py to 71.2' | | | | 608 | | | 0.004 | | 0.0 |
| | | | | | | | | | | | 609 | | | 0.001 | | 0.0 |
| | | | | | | | 67.0', dk gray qtz vein cut by white qtz vein | | 86 | | 610 | | | BD | | 0.1 |
| | | | | | | | | | | | 611 | | | 0.007 | | 0.0 |
| | | | | | | | | | | | 612 | | | 0.001 | | 0.0 |

PROJECT: Paiute
LOCATION: Washoe Co. Nv
HOLE NO: P-84-5
SHEET 2 OF 4

CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

ELEVATION: 5370'
BEARING: 164°
INCLINATION: -58°
TOTAL DEPTH: 266'

COORDINATES: N E
STARTED: 9-3-84
COMPLETED: 9-3-84

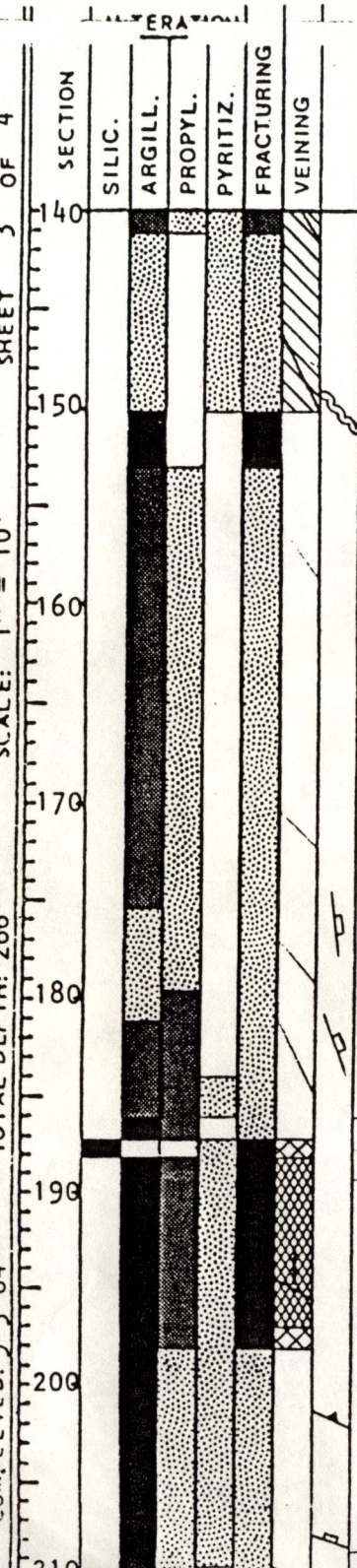
| SECTION | ERA: SILIC. | ARGILL. | PROPYL. | PYRITIZ. | FRACTURING | VEINING | COMMENTS / DESCRIPTIVE GEOLOGY | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70 | | | | | | | 71.2-72.7', sharp irreg contact to tan tuff w/ 2% py | 76 | | 613 | | | BD |
| | | | | | | | 72.7-76.2', bleached, lt grn-gray, altered tuff, wk granular qtz veining | | | 614 | | | BD |
| | | | | | | | | | | 615 | | | BD |
| | | | | | | | 76.2-79.3', purple-brn, altered tuff. Tr propyl of lithic frags. Minor white clay veins | 98 | | 616 | | | BD |
| | | | | | | | | | | 617 | | | 0.001 |
| 80 | | | | | | | 79.3-89.7', sharp gradational contact to lt grn-gray, bleached, altered, welded, lithic tuff. Mod fract'g. Wk clay veining | | | 618 | | | BD |
| | | | | | | | | 95 | | 619 | | | BD |
| | | | | | | | | | | 620 | | | 0.001 |
| | | | | | | | | | | 621 | | | BD |
| | | | | | | | | | | 622 | | | BD |
| 90 | | | | | | | 89.7-92.2', zone of massive, yellow-grn clay, locally shows shearing | 92 | | 623 | | | BD |
| | | | | | | | 92.2-106.0', sharp, gradation to dk purple, mod altered tuff. Wk propyl of lithic frags. Bleached remnants of biotite flakes | | | 624 | | | 0.001 |
| | | | | | | | | | | 625 | | | 0.001 |
| | | | | | | | 96.0-96.8', sharp irregular contacts to olive-grn str altered tuff with high clay content | | | 626 | | | BD |
| 100 | | | | | | | | | | 627 | | | BD |
| | | | | | | | | 91 | | 628 | | | BD |
| | | | | | | | | | | 629 | | | 0.001 |
| | | | | | | | | | | 630 | | | BD |
| | | | | | | | 106.0-119.5', lt gray, bleached, mod altered, welded, coarsely lithic tuff, with yellow-grn propyl lithic frags. Bleached remnants of biotite flakes in tuff matrix | | | 631 | | | BD |
| 110 | | | | | | | | | | 632 | | | BD |
| | | | | | | | | 81 | | 633 | | | BD |
| | | | | | | | 111.5', cream-colored clay veinlet | | | 634 | | | 0.001 |
| | | | | | | | | | | 635 | | | 0.001 |
| | | | | | | | | | | 636 | | | BD |
| 120 | | | | | | | 119.5-125.0', sharp contact, med gray, wkly altered tuff. Slightly bleached biotite flakes. Minor yellow clay veins, tr red, clay + hem veins | | | 637 | | | 0.001 |
| | | | | | | | | 99 | | 638 | | | 0.001 |
| | | | | | | | | | | 639 | | | 0.001 |
| | | | | | | | 125.0-126.3', sharp contacts, fault, hem clay gouge | | | 640 | | | 0.001 |
| | | | | | | | 126.3-149.8', med gray, mod alt'd, welded, coarsely lithic tuff. Wk propyl of lithic frags. Wk qtz stkwk veining to 141.5', granular, colorless qtz ± limon ± chlorite. 136-141.5', qtz + clay veins with granul text. 136-149.8', clay veining increases, massive soapy, gray veins. 141.5-149.8', decreasing alter'n and appearance of gray bleached remnants of biotite flakes | | | 641 | | | 0.001 |
| 130 | | | | | | | | | | 642 | | | 0.003 |
| | | | | | | | | | | 643 | | | 0.001 |
| | | | | | | | | 84 | | 644 | | | BD |
| | | | | | | | | | | 645 | | | BD |
| | | | | | | | | | | 646 | | | BD |
| | | | | | | | | 100 | | 647 | | | BD |

PROJECT: Paiute
LOCATION: Washoe Co. NV
HOLE NO: P-84-5
SHEET 3 OF 4

CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

ELEVATION: 5370'
BEARING: 164°
INCLINATION: -58°
TOTAL DEPTH: 266'

COLLAR COORDINATES:
N E
STARTED: 9-3-84
COMPLETED: 9-3-84




COMMENTS

% REC'Y/HOLE:

| DESCRIPTIVE GEOLOGY | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) | |
|---|---|---|---|---|---|---|---|---|
| | | | | 648 | | | BD | B |
| | | 100 | | | | | | |
| 149.8-151.6', sharp contacts, fault, gray gouge zone | | | | 653 | | | 0.001 | B |
| 151.6-152.8', med gray, altered tuff, minor qtz | | | | 654 | | | 0.001 | 0. |
| 152.8-174.6', lt gray, bleached, altered, welded, coarsely lithic tuff | | | | 655 | | | BD | 0. |
| 152.8-154.2', wk clay veining | | | | 656 | | | BD | 0. |
| 154.2-159.2', wk yellow and red, clay + qtz + py + FeOx veins | | 98 | | 657 | | | BD | B |
| 159.2-162.1', tr qtz + clay, chalcedonic veins | | | | 658 | | | BD | 0. |
| 165.9-174.6', wk, thin clay + FeOx veins | | 87 | | | | | | |
| | | 100 | | | | | | |
| 174.6-186.0', med gray, wkly altered, welded, coarsely lithic tuff. Becomes med gray-grn at 179.2-186.0'. Wk clay + hem/clay/calcite + adularia veinlets at 186.0'. 1/32" thick, granular qtz veins, 184.0-186.0 | | | | 665 | | | BD | B |
| | | 93 | | 666 | | | BD | 0. |
| | | | | 667 | | | BD | 0. |
| 178.0', calcite + adularia vein | | | | 668 | | | BD | 0. |
| 183.0', calcite + adularia vein | | 92 | | 669 | | | BD | 0. |
| | | | | 670 | | | 0.001 | 0. |
| 186.0-187.3', bleached to lt gray color; | | | | 671 | | | 0.005 | 0. |
| 187.3-188.3', sharp contact, fault, gray gouge | | | | 672 | | | 0.014 | 0. |
| 188.3-208.7', med gray, str altered, welded, coarsely lithic tuff. Str qtz stkwk and bx filling. Qtz + adularia + py, glassy, chalcedonic to 197.0'. Qtz stkwk decreases to mod at 197-198.3'. Fault with gray gouge 198.3-198.6'. Tiny calcite veinlets 198.6-208.7'. | | 53 | | 673 | | | BD | 0. |
| | | | | 674 | | | 0.001 | 0. |
| | | | | 675 | | | 0.001 | 0. |
| | | | | 676 | | | 0.003 | 0. |
| | | 88 | | 677 | | | 0.001 | 0. |
| | | 100 | | | | | | |
| 208.7-211.7', sharp gradational contact to (cont'd) | | | | | | | | |

PROJECT: Paiute
LOCATION: Washoe Co. NV
HOLE NO: P-84-5
SHEET 4 OF 4

CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

ELEVATION: 5370'
BEARING: 164°
INCLINATION: -58°
TOTAL DEPTH: 266'

COLLAR COORDINATES:
N E
STARTED: 9-3-84
COMPLETED: 9-3-84

| SECTION | TERA: SILIC. | ARGILL. | PROPYL. | PYRITIZ. | FRACTURING | VEINING | DESCRIPTIVE GEOLOGY | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 210 | | | | | | | dk red-brn, altered, welded, coarsely lithic tuff | | | | | | | | | |
| | | | | | | | 211.7-220.6', same as 188-208, except no veining. Wk local, dk gray patches of silic. | | 100 | | | | | | | |
| 220 | | | | | | | 220.6-228.2', dk red-brn, mod altered, welded, coarsely lithic tuff with wk propyl of lithic frags. At 225.1' a 1" wide yellow, white and red qtz + clay ± hem ± limon vein, vuggy, glassy, chalcedonic | | 92 | | 690 | | | BD | | 0. |
| | | | | | | | 228.2-246.4', mde gray, str altered, wkly bleached, same as 188-208', except no veining. Wk local, dk gray silic patches 2-3" wide. Wk clay veining | | 80 | | | | | | | |
| 230 | | | | | | | | | 97 | | | | | | | |
| 240 | | | | | | | | | 100 | | | | | | | |
| 250 | | | | | | | 246.4-266.0', dk red-brn, mod altered, welded lithic tuff same as 220-228'. Bleached remnants of biotite flakes. 262', minor calcite veinlet | | | | | | | | | |
| 260 | | | | | | | | | | | | | | | | |
| TD | | | | | | | | | | | | | | | | |

PROJECT: Paiute
LOCATION: Washoe Co., N.
HOLE NO: P-84-6
SHEET 3 OF 4

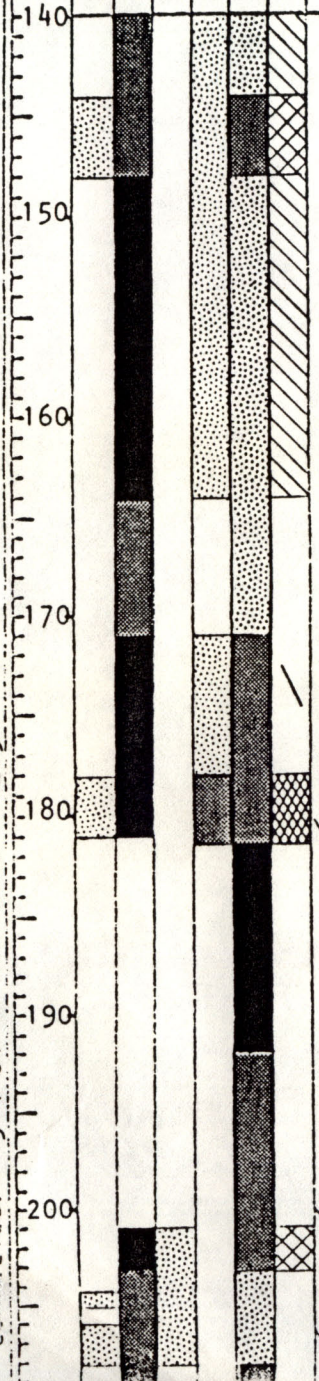
CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

ELEVATION: 5370'
BEARING: 164°
INCLINATION: -26°
TOTAL DEPTH: 215'

N E
STARTED: 9-4-84
COMPLETED: 9-4-84

COMMENTS:

E. C
REC'Y/HOLE:




| ALTERATION: SILIC. | ARGILL. | PROPYL. | PYRITIZ. | FRACTURING | VEINING |
|---|---|---|---|---|---|

## DESCRIPTIVE GEOLOGY

Wk brecc'n and silic assoc w/ mod qtz stkwk
140.5', veining becomes weaker
143.8-147.5', pervasive limon stain on fracts
145.8', 2" thick massive clay seam

147.5-173.0', same gray, bleached tuff. Wk limon on fracts. Qtz is vuggy, granular type to 160.4'. Qtz ± hem ± limon at 160.4-164.5'
164.5-173.0', bleached remnants of biotite flakes

173.0-181.3', Fault. Lt gray gouge zone to 178.1'. 1% dissem py. Sharp contact. 178.1-181.3', dk gray, variably silic, mod bx, str stkwk veined zone w/ 2% py.

181.3-201.3', unaltered dike, sharp contact, fine-grained, black basaltic dike, str fracts with mod limon stain. Limon becomes heavy on fracts and pervasive in rock at 184.1-192.5'.
184.0', white calcite amygdules and thin vlets
192.5-201.3', dike unstained, fresh

201.3-207.7', dk grn-gray, altered, welded, coarsely lithic tuff w/ propyl of lithic frags.
201.3-202.6, mod qtz + hem stkwk veins w/ wk bx textures

207.7-211.4', sharp gradation, med gray, alt'd (cont'd

| DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) | | Ag (op |
|---|---|---|---|---|---|---|---|---|
| | 100 | | 775 | | | BD | | 0.0 |
| | | | 776 | | | BD | | 0.0 |
| | | | 777 | | | 0.001 | | 0.0 |
| | | | 778 | | | 0.001 | | 0.0 |
| | | | 779 | | | 0.001 | | 0.0 |
| | | | 780 | | | 0.001 | | 0.1 |
| | 88 | | 781 | | | 0.006 | | 0.0 |
| | | | 782 | | | 0.003 | | 0.1 |
| | | | 783 | | | 0.002 | | 0.0 |
| | | | 784 | | | 0.001 | | BD |
| | | | 785 | | | 0.001 | | 0.0 |
| | | | 786 | | | BD | | 0.0 |
| | 55 | | 788 | | | 0.001 | | 0.0 |
| | 62 | | 791 | | | BD | | 0.0 |
| | | | 792 | | | 0.001 | | 0.0 |
| | | | 793 | | | 0.001 | | BD |
| | | | 794 | | | 0.004 | | 0.0 |
| | | | 795 | | | 0.001 | | 0.0 |
| | 40 | | | | | | | |
| | 75 | | | | | | | |
| | 80 | | | | | | | |
| | | | 805 | | | BD | | 0.0 |
| | 100 | | | | | | | |
| | 98 | | | | | | | |

PROJECT: Paiute
LOCATION: Washoe Co., NV
HOLE NO: P-84-6
SHEET 2 OF 4

COORDINATOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

ELEVATION: 5370'
BEARING: 164°
INCLINATION: -26°
TOTAL DEPTH: 215'

N E
STARTED: 9-4-84
COMPLETED: 9-4-84

ALTERATION: SECTION, SILIC., ARGILL., PROPYL., PYRITIZ.

FRACTURING

VEINING

COMMENTS:

AVE. CORE REC'Y/HOLE:

## DESCRIPTIVE GEOLOGY

70

72.2-82.1', gray-grn sheared tuff. Wk to mod limon on fracts. Bleached to lt gray at 78.0-80.2'. Strongly silica-flooded 79.4-80.2'. Fault w/ sheared gray gouge at 80.2-82.1'

80

82.1-93.7', sharp contact to med gray to med grn-gray, altered, welded, coarsely lithic tuff. Sheared tuff w/ sharp contacts 85.7-87.5'
87.5-91.5', qtz veins, 3/8", w/ silic assoc, tr py
91.5-93.7', mod goeth and limon on fracts

90

93.7-96.3', Fault. Lt grn-gray, bleached, weathered-massive clay, mod to hvy lim + goet + $MnO_2$ on fracts
96.3-99.0', med gray tuff, same as 82.1-93.7' sheared at 97.5-98.3' w/ mod lim + goet + $MnO_2$ stain

100

99.0-110.5', grades to bleached, lt grn-gray tuff. Wk limon on fracts. Wk clay veining. Wk stkwk w/ assoc. silic on vein borders at 103.0-104.5. Vuggy, white granular qtz. Single 3/8" gray qtz vein at 109.0'. Tr py to 110.0'.

110

110.5-118.0', grades to lavender, altered, welded, coarsely lithic tuff. Incr hem in matrix. Grades into bleached, lt gray tuff with wk silic assoc w/ clay > qtz stkwk veins at 112.3-118.0'

120

118.0-128.8', sharp contact to lavender, altered, welded, coarsely lithic tuff. At 119.1' becomes bleached gray tuff, w/ pervasive wk limon on fracts.
119.1-121.3', minor clay + qtz veins
121.3', pink alunite (?) patch
121.3-128.8', wk clay vein, 127.8', wk qtz veining

130

128.8-135.1', same bleached, gray tuff as 119-128', except silic and bx assoc w/ mod granular qtz stkwk to 131.3'. 1-2% dissem py in walls and veins

135.1-147.5', same bleached, gray tuff, abrupt appearance of glassy, chalced qtz veins rather than granu-

| DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % REC'Y./SAMP. INT. | ESTIMATED % | Au (opt) | | A (or |
|---|---|---|---|---|---|---|---|---|
| | 89 | | 740 | | | BD | | 0.( |
| | | | 741 | | | BD | | 0.( |
| | 100 | | 742 | | | BD | | 0.( |
| | | | 743 | | | BD | | 0.( |
| | | | 744 | | | BD | | 0.( |
| | 78 | | 745 | | | BD | | BD |
| | | | 746 | | | BD | | 0.( |
| | | | 747 | | | BD | | 0.( |
| | 83 | | 748 | | | BD | | 0.1 |
| | | | 749 | | | 0.001 | | 0.1 |
| | | | 750 | | | 0.001 | | 0.( |
| | 91 | | | | | | | |
| | 98 | | 756 | | | BD | | 0.1 |
| | | | 757 | | | 0.001 | | 0.( |
| | 97 | | 759 | | | 0.001 | | 0.( |
| | 89 | | 761 | | | BD | | 0.( |
| | | | 762 | | | BD | | 0.( |
| | | | 763 | | | BD | | 0.1 |
| | 98 | | 764 | | | 0.004 | | 0.( |
| | | | 765 | | | BD | | 0.( |
| | 73 | | | | | | | |
| | | | 768 | | | 0.001 | | 0.( |
| | | | 769 | | | 0.008 | | 0.( |
| | | | 770 | | | 0.003 | | 0.1 |
| | 94 | | 771 | | | 0.001 | | 0.1 |
| | | | 772 | | | 0.002 | | 0.( |
| | | | 773 | | | 0.003 | | 0.( |
| | 100 | | 774 | | | BD | | 0.1 |

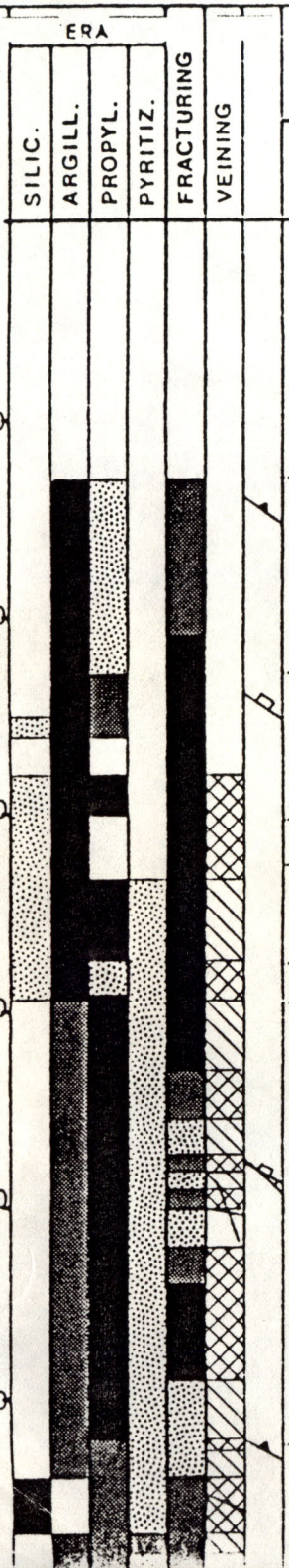
CORE SAMPLE INTE

PROJECT: Paiute
LOCATION: Washoe Co., Nv
HOLE NO: P-84-6
SHEET 1 OF 4

CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

ELEVATION: 5370'
BEARING: 164°
INCLINATION: -26°
TOTAL DEPTH: 215'

COLLAR COORDINATES: N E
STARTED: 9-4-84
COMPLETED: 9-4-84




| DESCRIPTIVE GEOLOGY | % CORE RECOVERED | SAMPLE NUMBER | % RECY./SAMP. INT. | ESTIMATED % | Au (opt) |
|---|---|---|---|---|---|
| Set casing with rock bit - no recovery | 0 | | | | |
| 13.0-22.8', lt gray, altered, welded, coarsely lithic tuff, with wk propyl of lithic frags. Wk $MnO_2$ and limon on fracts. Sheared from 21.3-22.8'. | 90 | | | | |
| | 93 | | | | |
| 22.8-30.2', grades to pale blue-grn, soapy-textured, altered tuff. Wk limon on fracts. Local silic and wk qtz veining at 25.8-26.1'. Fault, gray gouge at 26.1-28.0' | | 717 | | | 0.001 |
| | | 718 | | | 0.018 |
| | | 719 | | | 0.004 |
| 30.2-32.6', sheared, lt gray, bleached tuff, fract'd | 94 | 720 | | | 0.001 |
| | | 721 | | | 0.001 |
| 32.6-37.5', same as 28-30' except tr py, wk jarosite stain on fracts | | 722 | | | 0.001 |
| | | 723 | | | 0.007 |
| 37.5-38.6', lt grn-gray, sheared, alter'd tuff, tr py | | 724 | | | 0.006 |
| 38.6-62.5', bright blue-grn, altered, welded, coarsely lithic tuff, becomes lt blue-grn with depth, alternating wk to mod qtz stkwk veining, very vuggy, white, granular qtz. | 98 | 725 | | | 0.001 |
| | | 726 | | | 0.007 |
| | | 727 | | | 0.011 |
| 38.6-42.6', heavy clay + lim + hem on fracts | | 728 | | | 0.008 |
| 42.6-45.1', qtz veins up to 5/8" thick | | 729 | | | 0.001 |
| 51.1', white qtz vein w/ dk grn chlorite inclusions | 100 | 730 | | | 0.001 |
| 54.6-59.2', sheared tuff | | 731 | | | 0.005 |
| 59.2-61.9', minor qtz veins, up to 1" wide | | 732 | | | 0.002 |
| | | 733 | | | BD |
| | | 734 | | | 0.004 |
| | 94 | 735 | | | BD |
| | | 736 | | | BD |
| 62.5-72.2, med grn-gray, alt'd, welded, coarsely lithic tuff, becomes gray-grn at 70.9'. 64.4-66.7' and 69.1-70.9', str bx & silic assoc w/ stkwk. | 100 | 737 | | | BD |
| | | 738 | | | 0.001 |
| 70.9-72.2, wk clay & hariline qtz veins | 89 | 739 | | | BD |

PROJECT: Paiute
LOCATION: Washoe Co., NV
CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
HOLE NO: P-84-6
SHEET 4 OF 4
SCALE: 1" = 10'

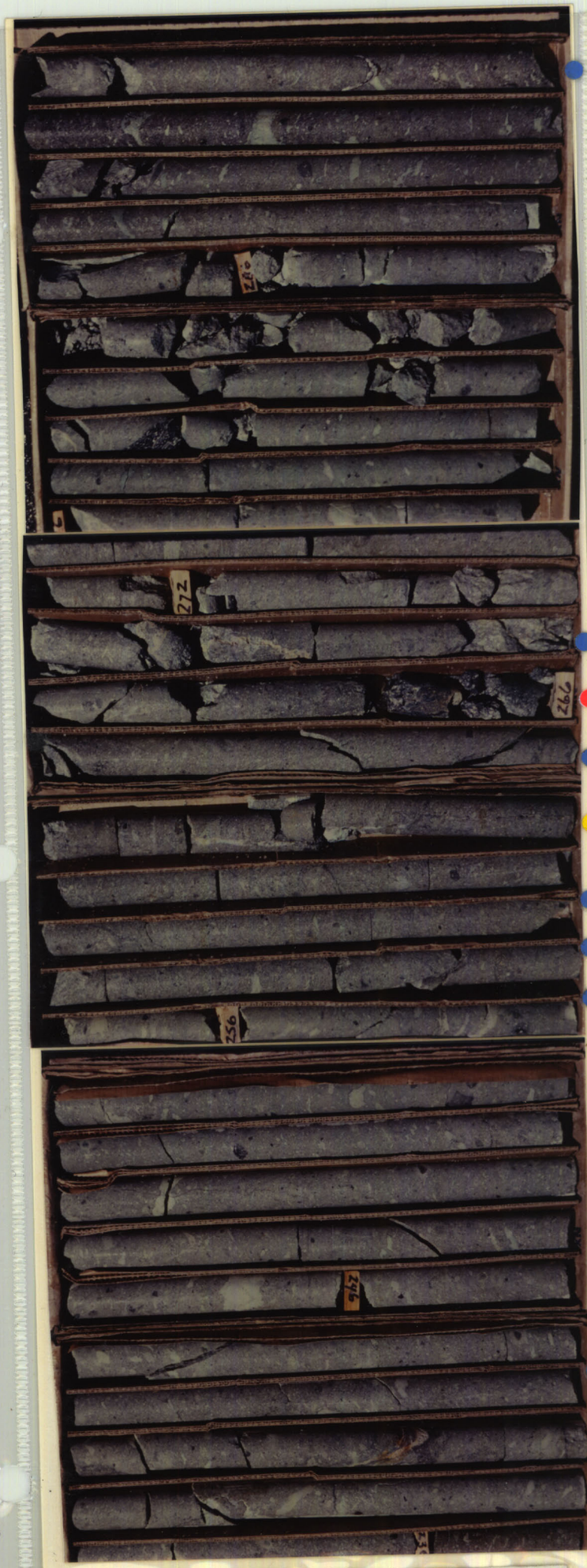
R COORDINATES:
E
ELEVATION: 5370'
BEARING: 164°
INCLINATION: -26°
TOTAL DEPTH: 215'
STARTED: 9-4-84
COMPLETED: 9-4-84

| SECTION | ERA | SILIC. | ARGILL. | PROPYL. | PYRITIZ. | FRACTURING | VEINING | COMMENTS | DESCRIPTIVE GEOLOGY | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE NUMBER | % RECY./SAMP. INT. | ESTIMATED % | Au (opt) | Ag (op |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 210 | | | | | | | | | welded, coarsely lithic tuff w/ wk limon on fracts | | | | | | | | |
| | | | | | | | | | 211.4-215.0', grades into red-brn, fresh, welded, coarsely lithic tuff w/ black unalt'd biotite flakes | | 98 | | | | | | |
| TD | | | | | | | | | | | | | | | | | |

CORE SAMPLE INTE

P-84-1 10-66.8′

P-84-1 66.8-121.6′




P-84-1 234-296'

P-84-1 296-335' TD

P-84-2 129-186′

P-84-2 186-242′

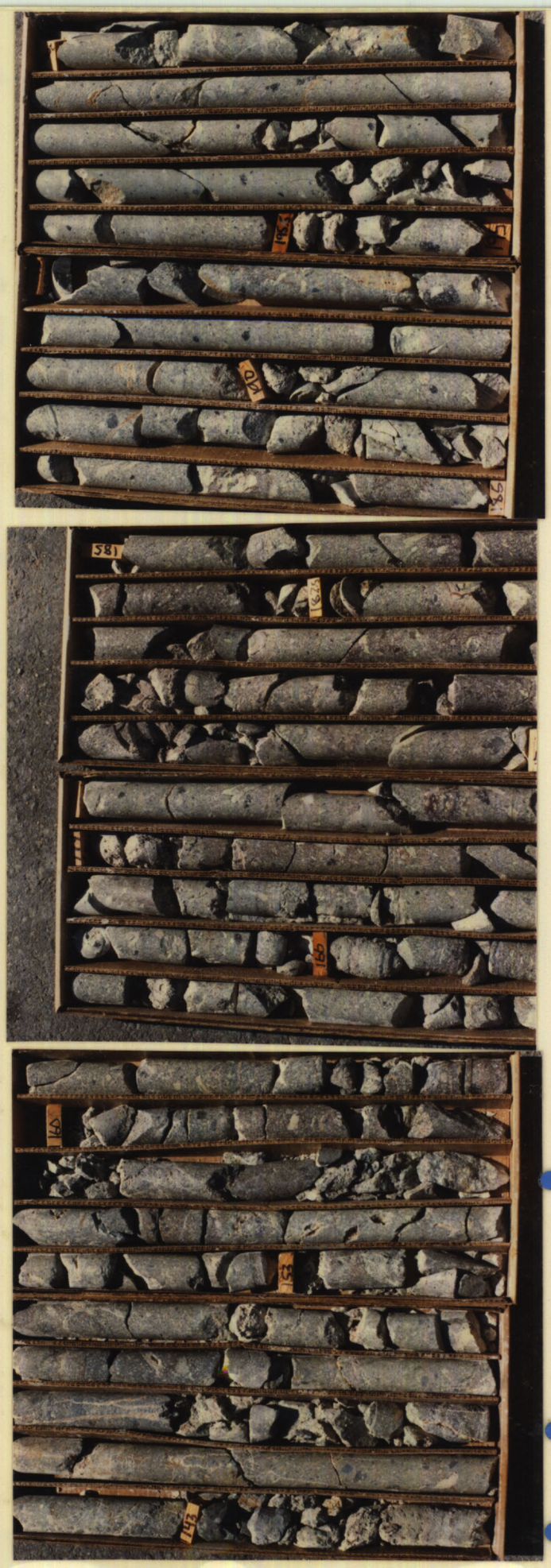
P-84-2 10-72′

P-84-2 72-129′

P-84-2 357-380' TD

P-84-2 242-298'

P-84-2 298-357'

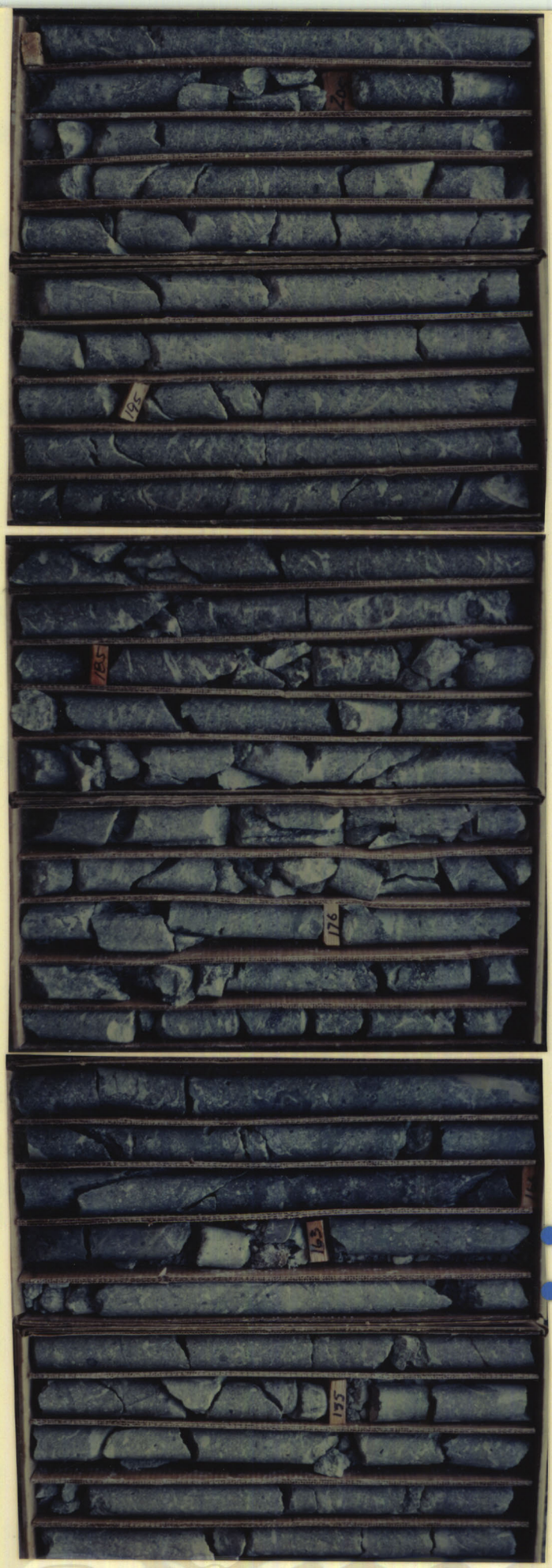



P-84-3 141-204'

P-84-3 204-225' TD

P-84-3 10-76′

P-84-3 76-141′

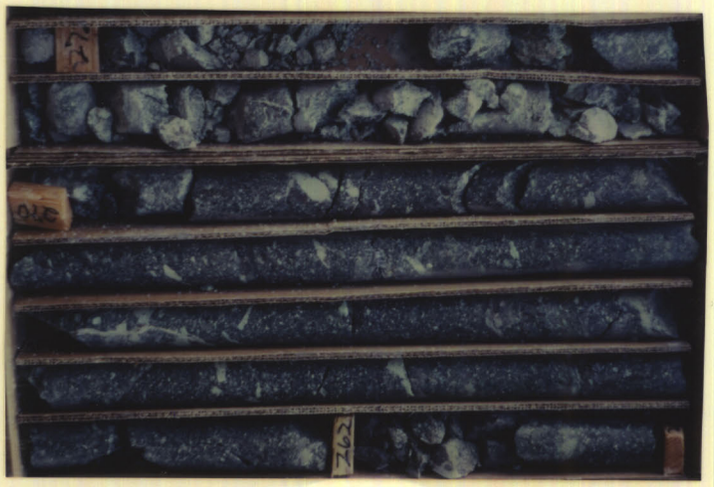



P-84-4 149.5-207'

P-84-4 207-261'

P-84-4 21-81′

P-84-4 81-149.5′



P-84-4 261-272' TD

P-84-5 130-184'

P-84-5 184-242'

P-84-5 11-71′

P-84-5 71-130′

P-84-5 242-266' TD

P-84-6 130-200.5′

P-84-6 200.5-215′ TD

P-84-6 13-69'

P-84-6 69-130'

R COORDINATES: E

STARTED: 9-4-84
COMPLETED: 9-4-84

ELEVATION: 5370'
BEARING: 164°
INCLINATION: -26°
TOTAL DEPTH: 215'

CONTRACTOR: Coates
CORE SIZE: NQ
LOGGED BY: M. H. Payne
SCALE: 1" = 10'

PROJECT: Patute
LOCATION: Washoe Co., NV
HOLE NO: P-84-6
SHEET 4 OF 4

TD 210

SECTION
SILIC.
ARGILL.
PROPYL.
PYRITIZ.
FRACTURING
VEINING

DESCRIPTIVE GEOLOGY

welded, coarsely lithic tuff w/ wk limon on fracts
211.4-215.0', grades into red-brn, fresh, welded,
coarsely lithic tuff w/ black unalt'd biotite flakes

DRILLING INTERVAL
% CORE RECOVERED: 98
CORE SIZE
SAMPLE NUMBER
% REC'Y./SAMP. INT.
ESTIMATED %
Au lopl
Ag lop

CORE SAMPLE INTL

CC NTS

REC'Y/HOLE:

ERA

3440 0030

# 1984 PAIUTE DRILLING

## DRILL LOG EXPLANATION

### VEINING

- Qtz veining
- Clay veining
- Calcite veining
- Pyrite veining
- Weak stockwork veining
- Moderate stockwork veining
- Strong stockwork veining

### STRUCTURES

- Fractures
- Flow foliations
- Faults
- Shearing
- Contacts

### ALTERATION

- Weak
- Moderate
- Strong