

003769

1 C.O 30.0 1 #  
2 AIR AND OVERBURDEN  
3 999  
4 30.0 43.0 2 5A19  
5 MINOR  
6 HARD - VERY, BLACK, SILICEOUS PHYLLITE. "DOLOMITE FLASH" BUT  
7 NONCALCAREOUS. 9 FOR MINOR PYRITE ASSOCIATED WITH SMALL QUARTZ  
8 EYES/AUGEN ALONG S1 AND S2. HOMOGENEOUS. MINOR LITHON OF QUARTZ-  
9 DOLOMITE WEATHERING TAN - WHITE FRESH. MODERATELY BROKEN, 8'  
10 CORE MISSING AT 43' - DON'T KNOW WHICH UNIT.  
11 999  
12 43.0 69.0 3 5B20  
13 \$?  
14 MEDIUM TO DARK MEDIUM GREENISH GREY TO GREY, MODERATELY HARD TO  
15 MODERATELY SOFT, WELL-LITHONED, HIGHLY CALCAREOUS PHYLLITE.  
16 CALCITE-QUARTZ-TAN WEATHERING DOLOMITE IN LITHONS. NO CALC-  
17 SILICATES. EXTENSIVELY FRACTURES - FILLED WITH CALCITE. MODERATELY  
18 BROKEN/RECOVERY ABOUT 80% ( NOTE TOP OF UNIT PROBLEM.)  
19 999  
20 69.0 117.5 4 3G0  
21 9 MINOR (5C4 FUCHSITE) ( 5D4 FUCHSITE)  
22 DARK MEDIUM GREY, PS2 FOLIATED, MODERATELY SOFT, HOMOGENEOUS,  
23 NONCALCAREOUS PHYLLITE. FEW QUARTZ LITHONS HAVE MINOR ACTINOLITE.  
24 5C0 FROM 82' - 85' AS COUPLE OF 6" BANDS. TOP OF UNIT UNCERTAIN  
25 BECAUSE OF POOR RECOVERY. 68'-75':1 1/2 FOOT RECOVERY/75'-83':  
26 3 FOOT RECOVERY/83'-92.5':2 1/2 FOOT RECOVERY/ IN THIS INTERVAL  
27 CORE MODERATELY BROKEN WITH LOCAL RUBBLE AND REDRILLED CORE.  
28 NO GOUGE. NO STRONG INDICATION OF FAULT. SUGGEST SIGNIFICANT  
29 FAULT ZONE AT INTERVAL 56'-92.5' WITH MAJOR STRAND NEAR TOP AND  
30 WASHED AWAY - PARTLY BECAUSE OF MAJOR LITHON CHANGE. /95'-107'  
31 MODERATELY BROKEN WITH GOOD RECOVERY/107'-117' VERY BROKEN -  
32 LOCAL RUBBLE AND INCIPENT GOUGE. RECOVERY 80%. S2 DOWN CORE  
33 AXIS AT 110' - POSSIBLE FAULT AT SULPHIDE CONTACT. S2 CHANGES  
34 DRAMATICALLY BETWEEN UNITS 3 AND 4.  
35 999  
36 117.5 126.7 5 4E48  
37 &1 &S (4L6 WEAK) BXA  
38 MODERATELY WELL BANDED AND FOLIATED NEARLY MASSIVE PYRITIC SULPHIDES  
39 ALTERNATING WITH SHORT SECTIONS OF LIGHT GREENISH CREAM MUSCOVITE  
40 CHLORITE MINOR PYRITIC PHYLLITE AND SHORT SECTIONS RICH IN  
41 BRECCIATED QUARTZ-DOLOMITE-PYRITE VEIN MATERIAL - COARSE, FLESH  
42 TAN-WEATHERING DOLOMITE. INTERLEAVED 4E AND 4E OR CLASTS OF 4E  
43 IN 4E MATRIX. LOCALLY 4E APPROACHES 4K. CORE SPLIT AND TRASHED -  
44 NO IDEA OF ORIGINAL STATUS - RECOVERY OK - CONTACT WITH PHYLLITE  
45 AT TOP GROUND AWAY.  
46 999  
47 126.7 136.5 6 4E0  
48 & 4 -> 4E1 (4E4 PORCUS) 80:20  
49 MASSIVE, HOMOGENEOUS, LOCALLY FOLIATED, FINE GRAINED PYRITE WITH  
50 PATCHILY DISTRIBUTED BASE METALS IN SHORT ZONES OF BANDED, POROUS  
51 MASSIVE SULPHIDES. FLOATING, AMEBOID QUARTZ 1MM - 5M ACROSS -  
52 LOCALLY APPROACHING 4E1. SPLIT - INTACT, EXCEPT LAST 1' WHICH  
53 IS RUBBLY.  
54 136.5 151.0 7 4A0  
55 &3 84  
56 N.B. - LOWER CONTACT GRADATIONAL. MINOR INTERBANDED 4C AFTER  
57 4A. SULPHIDES 25% WITH PYRITE >>> SPHALERITE. MINOR DOLOMITE IN  
58 PYRITIC BANDS. CORE SPLIT - ORIGINALLY RELATIVELY INTACT WITH  
59

60 GOOD RECOVERY. EXCELLENT SULPHIDE - BLACK CHERT BANDING.  
61 DOLOMITE WEATHERS TAN - 10% OF BANDS HAVE DOLOMITE. DOLOMITE IS  
62 10% IN THE BANDS IT RESIDES IN ALSO.  
63 999  
64 151.0 176.5 8 4C0  
65 &3 &5 &\$ -> (4AC) 8C:20  
66 \$ DISSEMINATED IN SOME BANDS AND OCCUPIES FRACTURES. SHORT MASSIVE  
67 SULPHID BANDS SIMILAR TO ABOVE 4E1. LARGELY DERIVED FROM 4A BY  
68 BLEACHING. 20% OF UNIT IS 4A AS 1' UNITS. TOTAL SULPHIDES  
69 30-35% - PYRITE >>>> SPHALERITE. SPLIT/INTACT/GOOD RECOVERY.  
70 999  
71 176.5 180.8 9 4E10  
72 & 4  
73 WEAKLY BANDED, FINE-GRAINED, MASSIVE, HOMOGENEOUS PYRITE.  
74 DISSEMINATED QUARTZ BLEBS. PATCHY SPHALERITE AT BOTTOM OF UNIT.  
75 SPLIT/INTACT/RECOVERY OK.  
76 999  
77 180.8 185.5 10 5A19  
78  
79 9 FOR PYRITE AND MINOR SPHALERITE. BLACK, HARD, PS2 FOLIATED  
80 PHYLLITE WITH 5% WHITE GRANULAR QUARTZ-SULPHIDE BANDS. VERY  
81 BORDERLINE FOR 4A/5A. CORE MODERATELY BROKEN/RECOVERY OK/  
82 RUBBLE AT ECI.  
83 999  
84 185.5 201.2 11 4E\$  
85 &1 &8 (4L6 WEAK)  
86 THIS IS A ROUND BRACKETS UNIT. INTERBANDED 4E1, 4E48\$, 4E0\$ ->  
87 4K\$ GRADING IN AND OUT OF EACH OTHER. SHORT 4L INTERVALS  
88 INTERSPERSED. 4L CONTACTS ARE BROKEN BY SPLITTING/4L ALSO AS THIN  
89 FOLIAFORM SEAMS. TCO BROKEN FOR SIGNIFICANT, RELEVANT, MEANINGFUL  
90 GEOLOGY. RECOVERY OK - MINOR RUBBLE AT TOI. MAGNETITE WITH  
91 MINOR CHALCOPYRITE, CARBONATE OCCURS AS 2" BAND OF 80% MAGNETITE  
92 AT 192'. ELSEWHERE MAGNETITE 1MM - 1CM IRREGULAR PATCHES AND  
93 LENSES ELONGATE IN S2. 30% MAGNETITE BEARING, 30% QUARTZ BLEB  
94 BEARING, 40% MASSIVE PYRITE AND 4L RUBBLE. LOWER CONTACT  
95 DRILLED AWAY. LIKELY THAT THE TOTAL SULPHIDE INTERSECTION  
96 IS SYMMETRIC. UPPER AND LOWER MASSIVE SECTIONS LOOK SIMILAR  
97 CAUSE SO HETEROGENEOUS AND MESSY.  
98 999  
99 201.2 274.0 12 3G0  
100 (5D4\*) MINOR  
101 MEDIUM GREY, HOMOGENEOUS, PS2 FOLIATED, MODERATELY SOFT, NON-  
102 CALCAREOUS PHYLLITE WITH BRICK RED WEATHERING S2 FOLIA (LAMINAE)  
103 MINOR QUARTZOSE BANDING ON MM TO CM SCALE - NO LITHCONS. GETS  
104 LIGHTER DOWN HOLE. LOWER CONTACT GRADATIONAL CARBONATE CHANGE.  
105 MINOR FOLIAFORM 10Q\* FROM 1 CM - 20 CM WITH LOCAL PYRITE. 5D4\*  
106 AT 261' - 1' THICK - MORE QUARTZ CARBONATE VEINED THAN ENCLOSING  
107 ROCKS.  
108 201.2'-213.5' MODERATELY TO VERY BROKEN, RUBBLY, 80% RECOVERY  
109 213.5'-223.0' INTACT TO MODERATELY BROKEN  
110 223.0'-230.0' MODERATELY BROKEN TO RUBBLY - VEIN BROKEN - MORE  
111 CRACKLE BRECCIA - RECOVERY OK  
112 230.0'-233.0' INTACT  
113 233.0'-239.0' MODERATELY BROKEN, 80% RECOVERY  
114 239.0'-258.0' INTACT, LOCALLY POKER CHIPPY - RECOVERY OK  
115 258.0'-259.0' RUBBLE  
116 259.0'-264.5' INTACT TO MODERATELY BROKEN, VERTICAL CRENUULATE  
117 CLUGE IN FIRST 3'.  
118 999  
119 274.0 296.0 13 3G0\$

120 MINOR [5B6\$ MINOR] (5A6\$ MINOR SILTSTONE BANDS) 90:10  
121 MEDIUM GREY TO LOCALLY DARK GREY, NONCALCAREOUS PHYLLITE WITH  
122 SPARSELY DEVELOPED ORANGE-TAN WEATHERING, GRANULAR QUARTZ-WHITE  
123 MINERAL ( FIZZES SLOWLY IN 20% HCL) BANDS AND LITHONS. EXHIBITS  
124 "DOLOMITE FLASH". TENDS TO BE LIGHTER COLOURED THAN LAST UNIT,  
125 #12. 5A OCCURS AS 1" OR 2" THICK BANDS NEAR 285".  
126 274.0'-275.0' INTACT  
127 275.0'-281.0' MODERATELY BROKEN, RUBBLY - 1' RECOVERY  
128 281.0'-296.0' INTACT TO MODERATELY BROKEN.  
129 MINOR GOUGE AT 274'. NO FAULTS. HAS "DOLOMITE FLASH". MINOR  
130 PYRRHOTITE PORPHS.  
131 999  
132 296.0 306.0 14 3E0\$  
133 MINOR? [5A6\$ MINOR?]  
134 DARK GREY TO BLACK, PS2 FOLIATED, NONCALCAREOUS, CARBONACEOUS,  
135 MODERATELY SOFT TO SOFT PHYLLITE. MINOR ORANGE-BROWN WEATHERING  
136 QUARTZ-CARBONATE(?) BANDS FORMING S2 PARALLEL BANDS AND LOCALLY  
137 LITHONS. MODERATELY BROKEN TO LOCALLY RUBBLY, RELATED TO MINOR  
138 FRACTURES NEAR CENTRE. RECOVERY OK, NO FAULTS. NOT SURE IF  
139 ADDITIONAL MINERAL IN QUARTZOSE BANDS IS DOLOMITE, ANKERITE,  
140 SIDERITE, WEATHERED FELDSPAR.  
141 999  
142 306.0 321.0 15 5A1  
143 9 V MINOR [3E19 V MINOR]  
144 HARD TO MODERATELY HARD, BLACK, PS2 FOLIATED, SILICEOUS, CARBON-  
145 ACEOUS PHYLLITE. SPARSE PS2 PARALLEL BANDS, QUARTZ-ORANGE-  
146 WEATHERING CARBONATE (?) - MINOR PYRITE. RELATIVELY HOMOGENEOUS.  
147 MODERATELY BROKEN, RECOVERY OK. NO FAULTS. HAS "DOLOMITE FLASH"  
148 999  
149 321.0 347.5 16 3G0  
150 -> (3G9) -> (3E0\$ MINOR)  
151 MEDIUM GREY TO DARK GREY TO BLACK, MODERATELY SOFT, PS2 FOLIATED  
152 PHYLLITE WITH MINOR GRANULAR QUARTZOSE BANDS PARALLEL TO S2.  
153 NO LITHONS. THIN INTERBANDS (3"-1 1/2") BLACK PHYLLITE WITH  
154 GRANULAR QUARTZOSE BANDS - SIMILAR TO UNIT #14. WEAK  
155 "DOLOMITE FLASH". MODERATELY BROKEN - RECOVERY OK. HAS  
156 WEATHERING WITH BLOOD/BRICK RED S2 PARALLEL FOLIA - RED  
157 LAMINAE. MINOR PYRITE PORPHS.  
158 999  
159 347.5 368.5 17 3G0  
160 GOUGE AND RUBBLE  
161 SAME AS ABOVE UNIT #16. 50% RECOVERY - REMINDS ME OF DOAL LAKE  
162 FAULT?? HAS DISTORTED S2 WITH ACUTE ANGLE TO CORE.  
163 999  
164 EOH  
165 999  
166 N.B. NONCALCAREOUS PHYLLITES SEEM TO BE BEST PLACE IN MT  
167 MYE FORMATION AS OPPOSED TO VANGORDA FORMATION. COULD BE  
168 IN VANGORDA IF NECESSARY. CHECK DDH ON SECTION 64W AND 68W FOR  
169 5B6 TYPES WITH POSSIBLE:  
170 1. LACK OF LITHONS  
171 2. PS2 FOLIATED  
172 3. BRICK RED FOLIA WEATHERING AS OPPOSED TO ORANGE-  
173 WEATHERING FOLIA.  
174 999

:JOB SYTELLI,MANAGER.SYS,PUB  
PRIORITY = DS; HIPRI; TIME = UNLIMITED SECONDS  
JOB NUMBER = #J297  
TUE, SEP 25, 1984, 4:00 PM  
HP3000 / MPE IV C.B1.02  
:TELL @ &DB TAKE NOTE: IT'S 4 O'CLOCK &DB

TELL TO A JOB NOT ALLOWED. NO MESSAGE SENT TO QUALIFYING JOB(S). (CIWARN 1627)

:EOJ  
CPU SEC. = 3. ELAPSED MIN. = 1. TUE, SEP 25, 1984, 4:00 PM