<table>
<thead>
<tr>
<th>Depth</th>
<th>Lithology</th>
<th>Magnesium</th>
<th>Foliation</th>
<th>Discontinuity</th>
<th>Graphic</th>
<th>Note and description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>End of run 1.3 ft drilled</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>First part = 0.7 ft recovered</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Estimated recovery = 0.7 ft</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>End of next sub-run 3.8 ft</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Recovered 1.5 ft (drilled 2.5 ft)</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Recovered 1.2 ft.</td>
</tr>
</tbody>
</table>

RUBL: Rubbly to depth, was taken with starter barrel and not core barrel. Open fracture with 0.5 mm aperture. All of the section is very friable. Filling is carbonate: fracture with filling shows offset at 90 degrees. Samples are massive with little visible bedding.

This section is massive but is now providing good core although drilled 2.5' and recovered 1.5' ft. Very fine.

3 mm drilled fracture. Ciliated with carbonate.
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</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>no infill (gap)</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>60°</td>
<td></td>
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<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>45°</td>
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<tr>
<td>1</td>
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<td></td>
<td></td>
<td></td>
<td>70°</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>folded</td>
<td></td>
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</tbody>
</table>

- Folded 65°
- Folded 60°
- Folded 55°
- Folded 65°
- Folded 60°

- Mass in all
- Rough in all (K63)
- Subvertical baiin w/field
- Baiin is permeable
- May -0.2
- Micro-scale foliation on one side of axial baiin

- White layers near carbonate frontesin matrix
- White layers near carbonate frontesin matrix

- No carbonate in matrix, more in 5-8A
- Less carbonate density
<table>
<thead>
<tr>
<th>Depth</th>
<th>Lithology</th>
<th>Magnetism</th>
<th>Strike</th>
<th>Dip</th>
<th>Shape</th>
<th>Foliation</th>
<th>Discontinuity</th>
<th>Graphic</th>
<th>Note and Description</th>
</tr>
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</tbody>
</table>

14.7 ft
5' mm

9.7 st +

- All white foliations carbonate
- All blue streaks carbonate
- Magnetite seems to have failed

Note: Magnetite break (not on purpose)
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<tbody>
<tr>
<td>Q all</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Whole core sensitive to HCl.</td>
</tr>
</tbody>
</table>

- Contact less carbonate
- V-type break
- Wood block
- Deposed rub
- Depressed ab (shb)
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<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>19.7</td>
<td>Verifying nucleus, no file, infill bybrace</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td>3.00</td>
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<td>4.00</td>
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<td>4.00</td>
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</tr>
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</table>

All reaches HCL.
24.7
massive veins truncation
vertical strataation interrupted by blocks

60°

26.1. Woodblock drill stem alignment problems to a fine
chiseling 2 sets subvertical lenses, one set thick with pyrite
60° but an opposite dips.

60° large set of 2 parallel, flat plane, 3mm each, carbomuch and pyrite

30° flat natural break follows infilled patterns, striations belongs to opposite set then
pyrite filled one above

20° Wood block
photos show Run 10 mistake

Deormer all

3417

60° bedding

70° bedding massive throughout

50° heavy jam

driller was gathy fines inside yet drill

all MCC native

3917 woodblock
- all NCL visible, all Poorer
  - no thin, unfilled vugs
- foliation - hot muck pyrite visible this run
  - no large infills
  - all breaks smooth, no loss

- foliation changes shallower

70°

6 - foliation back to subvertical

- tight wiggles, sub vertical foliation

- working starts

Note: In the Rain
Run 14  KISMET-001  P. Cook  6-24-16

Block 4

2a. Rough

Smooth.
Rock fabric fine-grained. Layers parallel to overall bedding.

Bedding contact

Bedding w/ big inclusions

More worked. Works

Block 3

Large inclusion, black segments, non-HCL reacted. Z con white, reactive, pyrite streaks.

Blocking inclusions, break in dark region

Non-HCL

Block 2

Proximal, worked, fine texture no veins, fractures

Block 1

30 rough shaped inclusions

Block 0

Note: Photos for KISMET-001

Pearson all

Foliation

No pebbles. More w/ hole name until now.
Run 15  Kismet-001  P. Cook  6-24-16

Poorman, dark areas not as readable

54.7 block

- black inclusion (reactive)
- gray (non-reactive) w/ white inclusions (reactive)

- bedding looks similar throughout

1

- we different plane
- 1mm view

2

- more bedding, worked w/ some pyrite

- flat, rough, matching break

3

- more bedding more pyrite than above

- similar break to above

4

- some loss of core mismatches

59.7 block
Poorman all

- 59.7
  - 40° bedding
  - 20°
  - Pyrite inclusions
  - 30° porous (stays wet)
- 2
  - Worked bedding
  - Steep break
- 3
  - Massive uniform bedding plane @ 60°
  - Bedding, some non-reactive darker layers
- 64.7
  - 5
64.7

- Flat break
- Most of material is reactive except when noted

- Worked rough bedded pyrite with

- Parallel bedding 70°

- Worked of pyrite

- Flat break

- Worked W/ pyrite

- 60° parallel veins

- Massive

- 40

- Darker reaction inclusion

- Massive

- Worked worked bedded rough cutting

- Flat rough break

- Rough angled break 20°
Poorman all

69.7

step-breat

worked

70

10°

worked pyrite

70

60°

massive

wetter longer (poums)

70°

massive

60°

massive

hard no inclusions, one filled vein in middle

94.7
24.7
- Rough text, pyrite
- 20° rough matching, stays wet
Folding, tight folds
- 20° rough matching
- Sub horizon, rough text, pyrite rich
- Sub horizontal banding
- Flat
- Not matching
Massive
- Flat, not matching
- Sub horizontal banding
- 10°
- Banding fairly parallel within bands, no folding
- Stays wet
Flat
79.7
79.7

- horizontal folding
- 70° infilled horizon, rough trace
- rough matching near horizon
- big inclusions around break
- coiling folds
- break makes nearly W6 folds
- semi rough matching 30°
- 2 cm infilled nearly thickness folded
- inclusion of dark center
- massive no folds
- dead straight hairline infilled from smooth trace 30°
- inclusion in folding
- worked folding of inclusions, bright heads, pyrite
- 30° hairline trace infilled
- curved 30° rough

84.7

which inclusions highly reactive
Poorman all
all breaks parallel
not much hairline trace, rich on fractures

84.7
marbled bedding

parallel bedding, pyro breccias

big 7 cm inclusion, whilleted

80°

& 70°

rough matching r

mostly parallel, also parallel to breaks
bedding

80°
mapped some curvature

89.7

parallel bedding

also parallel to breaks

parallel bedding

marbled
Everythy is gooom so fr (host phyte)

89.7

20° rough, matching
Bedding, parallel, not folded
porphyritic
20° || teakore
Smooth
Quartz, white, non-reactive
20° non-parallel
carbonate vein, negative, tablular
On quartz
60° host rock
Smooth, parallel to bedding
Bedding inside, graphite, slippery
30° parallel to bedding
graphite, slippery
massive, mild fabric, holdy
curved 20° parallel to bedding nearby
massive, mildly marked
rough flat break (con)
94.7

Rite in the Rain
Large folds, subvertical 2cm bouding; lighter areas pyrite containing lighter areas not as reactive as darker.

Mechanical break

1cm veins inclining smooth non-reactive in some places

Rough, matching, follows bedding, folding

60°

70° vein rough, inclined flat

Rough, follows folds

Parallel somewhat folded bedding

Flat, rough, follows folds

Lighter subhorizontal banding
Run 24 143.58m-001  P. Cook  6-24-2016

current gyro readings @ ~100' dip -86° Az 250.2

09.7

- horiz bedding, minimal folding

- fault w/ ~1 cm slip 50°

- more folding marbled

- subhorizontal bedding

- hairline indistinct lines w/ offset step overlapping (stress?)

- flat break S shaped matches bedding

- pyrite zone

- 60° infilled 1mm vein

- worked bedding marbled
darker rock less reactive than rest of core

- smoother body appearance

- break matches bedding

(04.7)
Single piece run

- Uniformly
- More worked, marked

- Solid band no carbonate apparent but still reactive
- 80° infilled smooth trace vein, non-reactive
- Big pyrite inclusion
- Some pyrite
  - Tight folding, marbles
  - Pyrite
Run 26  1-cismet-001  P. Cook  6-24-16

20° Crystal line interface

No veins in core
All bedding related features

Marbled lots of pyrite speck

Non reactive flat or bedding band

Elliptical well

Circular well some pyrite

Bedding less folded, more parallel

30° Mechanical fracture follows bedding smooth dark interface

30° Follows bedding smooth dark interface
40° vein in parallel to bedding
pyrite in bedding
bedding parallel to breccia
vein torn at deviated 60° with not parallel to bedding
flip in bedding direction (elliptical view)
Some non-reactive light-colored inclusions ~ 1 cm thick

not react
Snake-like inclusion maybe quartz or calcite islands (these react)
not marbled
Pyrite filled area

marked between these points

Set casing after this point
86 ft 2 foot Stainless joints
Run 28  Kismet-001  P. Cook  6-27-16

1:30
Drill out cement plug
From 8 feet
60° Wrench
2.9' drill (next + noble caught in tube)

- Easy hole
- Freaping
- 25 joints backside

Some patches
Dolphin core

1
- Match's break
- Combined/ open veinage
- Smooth trace after interruption by quartz inclusion
- Matched bedding
- 10° match's break (follows bedding)

2
- No match's break
- Carbonate 2m, smooth trace 10° looks like limited across
- Quartz Inclusion (5mm)
- Change to smoother bedding

3

4

5

6-21-382

I'm in the rain.
note: photos say "28" for this run
parallel
quartz inclusion (very small)
slight shift in angle (10°)
comes back
bit rougher than top one
Notes: Photos say "28" for this run

124.7

Rough interrupted by quartz inclusion & san chondrite

All bedding 40° all breaks parallel to each other
Bedding (40°) all smooth except top one
Not graphitic though

Carbonate, no veins or smooth traces

129.7

Some pyrite inclusions

Big pyrite inclusion
2o meters bedding

marbled 

thick carbonate induration in bedding

40° possibly, matches bedding, shiny

Carbonate indurated

Weld in bedding

10°

10° opposite possibly break

elbow in bedding

85°

near vertical bedding; massive, not much detail

30° possibly bent; some churniness

10° back to morphology again

matches bedding 30°
rough matrix foliation 40°

massive

marked foliation

low angle rough breccia, matrix folds
complex foliation (fossils often occur in these)

quartz filled vein 1 mm, smooth trace

low angle vein carbomite
vertical streak of carbomite
many situations not matching bouds

more complex wide joint folds

complex folding
all breaks so far are matching, unless otherwise noted.

complex folding

horizontal carbonate vein 1mm

steep carbonate vein smooth trace 80° 1mm

weakly folded complex

30° planar

big quartz inclusion 1.2 cm

subvertical folds

matches foliation

rhythmic

vertical folding
30° 2 mm carbonate inclusion zone, half diameter filled with half of what looks normal

vertical breccia

20° carbonate vein

10° carbonate vein

change to complex breccia all the way below

grape patches trapped in breccia, altered carbonate, ~1 cm mixed together

pyrite often in "complex" areas areas

0° not follow bedding, tracks it partially

some thin pyrite crystals

0° not follow bedding
Not much bedding, might match pre-existing view

Pyrite (presumably standard layer one before fold?)

Buddy clumps direction (round)

Pyrite

1 cm carbonate follows bedding

30° rough but shiny not follows bedding

Pyrite rich

Some sort of bands shiny crystals

Flat break (bit of stub left in hole?)
- Worked complex
- Plane at 1 cm. 60° matches bedding below 1 cm. paste
- Thin vein carbon filled
- Plane bedding matches 1 cm. fabric 60°
- Quartz + carbonate filled bedding structure not matches bedding but matches fabric below flat in 10° not follow bedding
- Long thin vertical vein cuts through bedding which matches above
- Uniform bedding
- Bedding becomes more complex
- Break not match bedding
Run 38 10:30et 6-27-16

Notes: Photos for 35-38
Red read "34-37" on photo cards should be 35-38

15 rough break not matching bedding "34r" is real one

Flat at 10" lip no large inclusions this far

Vertical bedding

Microcracks inclined white very horizontal

Smooth break not matching bedding, shiny 15°

Microcracks inclined horizontal

Thin near-vertical vein across bedding by 20° white, fill

Horizontal white vein...

Vertical bedding

Buddy turns near horizontal

Rough break not matching bedding flat