

EGS COLLAB PROJECT CORE LOG, SURF 4850' LEVEL

HOLE: E1-0T      DATE: 4 Oct 17      LOGGER: WMLP  
 RUN: Z [0-3']      SCRIBED (Y/N):      HEAD DRILLER:

DEPTH	CORE SKETCH	NOTES	
0.1		Rubble	
0.2		Carbonate graphitic Phyllite micaceous	
0.3			
0.4			
0.5			
0.6			
0.7			
0.8			
0.9			
1.0			
0.1		AS above	
0.2		very small heeled fracture set at 1.5"	
0.3			Breaks are parallel/ to layering
0.4			
0.5			
0.6			
0.7			
0.8			
0.9			
1.0			
0.1		as above	
0.2		Fracture dip 45°	
0.3			
0.4			
0.5			
0.6			
0.7			
0.8			
0.9			
1.0			
0.1		RAID = 0.95	
0.2			
0.3			
0.4			
0.5			
0.6			
0.7			
0.8			
0.9			
1.0			

Drilled  
3'

EGS COLLAB PROJECT CORE LOG, SURF 4850' LEVEL

HOLE: E1-0T      DATE: 4 Oct 2017      LOGGER: WMR  
 RUN: 2- 3-8'      SCRIBED (Y/N): Yes      HEAD DRILLER:

DEPTH	CORE SKETCH	NOTES	
3			Red ct'd from previous Run
0.1			
0.2			
0.3		thinly bedded carbonate	
0.4		graphitic phyllite	
0.5			
0.6			
0.7			
0.8		NO obvious healed	
0.9		fractures in core,	
4		Breaks probably mechanical	
0.1			
0.2			
0.3			
0.4			
0.5			
0.6			
0.7		- break at angle to layering!	
0.8			
0.9			
5			
0.1			
0.2			
0.3		AS above	
0.4			
0.5			
0.6			
0.7			
0.8			
0.9			
6			
0.1			
0.2		Break parallel to layering	
0.3			
0.4			
0.5			
0.6		as above.	
0.7			
0.8			
0.9			
7			
0.1		Small grains of sulfide	
0.2			
0.3			
0.4			
0.5			
0.6			
0.7			
0.8			
0.9			
8			
0.1			

EGS COLLAB PROJECT CORE LOG, SURF 4850' LEVEL

HOLE: #1-0T      DATE: 4 Oct 2017      LOGGER: WMR  
 RUN: 3 8-13      SCRIBED (Y/N):      HEAD DRILLER:

DEPTH	CORE SKETCH	NOTES
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		

Cont'd  
 Red  
 orientation  
 line  
 from  
 previous  
 Run

Carbonate graphitic phyllite  
 no obvious healed fractures

slightly more massive

very thin, contorted layering  
 slightly more massive layer  
 ~ 3 cm thick -  
 probably less  
 carbonate.

micaceous carbonate  
 graphitic phyllite

RQD = 1.0

8  
 9  
 10  
 11  
 12  
 13

EGS COLLAB PROJECT CORE LOG, SURF 4850' LEVEL

HOLE: E1-0T      DATE: 4 Oct 2017      LOGGER:  
 RUN: 4-13-18      SCRIBED (Y/N):      HEAD DRILLER:

DEPTH	CORE SKETCH	NOTES	Conf'd
13		0.1	Red line
		0.2	
		0.3	
		0.4	
		0.5	
		0.6	
		0.7	
		0.8	
		0.9	
		1.0	
14		0.1	healed fracture with Calc. sand Pyrite; aperture ~ 1-2 mm
		0.2	
		0.3	
		0.4	
		0.5	
		0.6	
		0.7	
		0.8	
		0.9	
		1.0	
15		0.1	healed fine fracture
		0.2	
		0.3	
		0.4	
		0.5	
		0.6	
		0.7	
		0.8	
		0.9	
		1.0	
16		0.1	fold nose
		0.2	
		0.3	
		0.4	
		0.5	
		0.6	
		0.7	
		0.8	
		0.9	
		1.0	
17		0.1	
		0.2	
		0.3	
		0.4	
		0.5	
		0.6	
		0.7	
		0.8	
		0.9	
		1.0	
18		0.1	
		0.2	
		0.3	
		0.4	
		0.5	
		0.6	
		0.7	
		0.8	
		0.9	
		1.0	

EGS COLLAB PROJECT CORE LOG, SURF 4850' LEVEL

HOLE: EL-0T      DATE: 5 Oct 17      LOGGER: D King  
 RUN: 5A-5B 18-23'      SCRIBED (Y/N):      HEAD DRILLER: Dave

18  
19  
20  
21  
22  
23

DEPTH	CORE SKETCH	NOTES
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		

→ Healed Fracture 4mm Aperture  
 Indistinct Bedding  
 Jumbled and wavy

→ Broken Healed Fracture - 2mm Openings  
 → Quartz and sulfide 3mm Aperture

→ New Red Line  
 Not continuation

Distinct Bedding  
 Deformed as shown

Carbonate Graphitic phyllite

Distinct Bedding  
 Thin bedding

EGS COLLAB PROJECT CORE LOG, SURF 4850' LEVEL

HOLE: E4-0T      DATE: 5 Oct 17      LOGGER: S Richard  
 RUN: 5: 23'-28'      SCRIBED (Y/N):      HEAD DRILLER: Dave

23  
24  
25  
26  
27  
28

DEPTH	CORE SKETCH	NOTES
0.1		
0.2		
0.3		
0.4		
0.5		→ Mechanical breakage
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		

→ Mechanical breakage

→ Quartz Stringer  
 → Sulfide

→ Healed Fracture  
 ↳ Carbonate

EGS COLLAB PROJECT CORE LOG, SURF 4850' LEVEL

HOLE: E1-0T      DATE: 5 Oct 17      LOGGER: J Richard  
 RUN: 7 28'-33'      SCRIBED (Y/N):      HEAD DRILLER: Dave

28

DEPTH	CORE SKETCH	NOTES
0.1		
0.2		
0.3		
0.4		Carbonate Graphitic Phyllite
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		

Red Lin  
Continuals

29

0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		→ Healed Fracture Fr Echom      ↘ 3mm Aperture
0.9		
1.0		Carbonate and Sulfide

31

0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		

31

0.1		
0.2		→ Healed Fracture
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		→ Healed Fracture 1-2mm Openess
1.0		

32

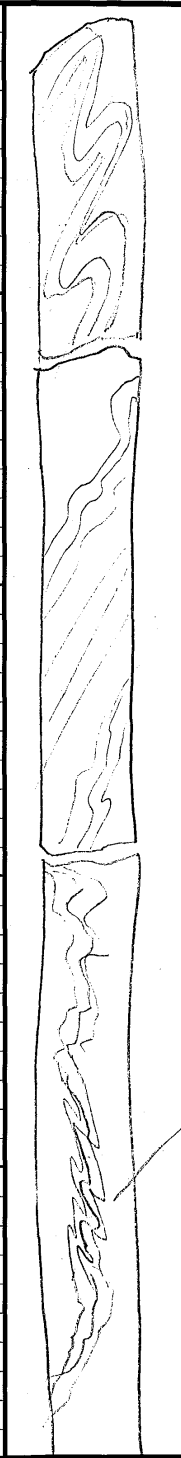
0.1		
0.2		
0.3		
0.4		
0.5		→ Small Sulfide pads
0.6		
0.7		
0.8		
0.9		
1.0		

33

EGS COLLAB PROJECT CORE LOG, SURF 4850' LEVEL

HOLE: E2-0T      DATE: 5 Oct 2017      LOGGER: S Richard  
 RUN: 33-38'      SCRIBED (Y/N):      HEAD DRILLER: Dave

33

DEPTH	CORE SKETCH	NOTES
0.1		Carbonate Graphitic Phyllite
0.2		
0.3		
0.4		
0.5		Deformed
0.6		Distinct Redding
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		Thin beds show evidence of Metamorphic Shear
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		

34

35

36

37

38



EGS COLLAB PROJECT CORE LOG, SURF 4850' LEVEL

HOLE: E1-0T DATE: 5 October 2017 LOGGER: S Richard  
 RUN: 9 38'-43' SCRIBED (Y/N): HEAD DRILLER: Dave

38

39

40

41

42

43

DEPTH	CORE SKETCH	NOTES
0.1		
0.2		
0.3		Deformed Bedding
0.4		↳ Distinct Bedding, thin
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		Start of Shear zone (?)
0.6		
0.7		
0.8		
0.9		↳ Opennesa-like Vugs
1.0		↳ Drusy Quartz
0.1		
0.2		
0.3		
0.4		Shear Breccia (?)
0.5		
0.6		
0.7		
0.8		
0.9		Shear Breccia (?)
1.0		
0.1		
0.2		
0.3		
0.4		↳ Healed Fracture
0.5		↳ Calcite
0.6		↳ 2 mm Aperture
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		↳ Very Large Jagged Fractures
0.7		↳ 5-10 mm Opennesa
0.8		↳ Fuhedral Calcite 4mm across
0.9		
1.0		

EGS COLLAB PROJECT CORE LOG, SURF 4850' LEVEL

HOLE: E2-07 DATE: LOGGER:  
 RUN: 10 42-48 SCRIBED (Y/N): HEAD DRILLER:

43  
44  
45  
46  
47  
48

DEPTH	CORE SKETCH	NOTES
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		

→ 3-6 mm Openness  
 Shear Breccia  
 → Angular Clast

→ Healed Fractures  
 ↳ Carbonate

→ Healed Fracture  
 Aperture 2mm  
 Openness 2mm in places

→ Natural Fracture  
 Aperture 10-15 mm  
 Openness 10-15 mm  
 10mm Euhedral Calcite Crystals

→ Fracture 3mm Openness

→ Natural Fracture 4mm Openness

(Red Line  
 Continued)

EGS COLLAB PROJECT CORE LOG, SURF 4850' LEVEL

HOLE: C-E1-0T      DATE: 10 Oct 17      LOGGER: Dennis King  
 RUN: 11      SCRIBED (Y/N): Y      HEAD DRILLER: Dave Zaccardi

DEPTH	CORE SKETCH	NOTES
0.1		Zone was rubbelized during drilling may be due to highly fractured zone Scribed marks may have changed due to the rubbelized <del>zone</del> preventing a good alignment match
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		Broke during drilling
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		Multiple pockets some contain calcite deposits
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		Natural fracture with calcite deposits layering
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		Pyrite deposit  Calcite vein Natural fracture/calcite crystals internal
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		





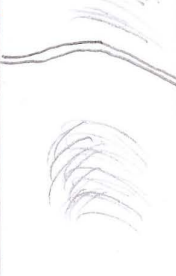
EGS COLLAB PROJECT CORE LOG, SURF 4850' LEVEL

HOLE: E-F1-0T      DATE: 10 Oct 17      LOGGER: Dennis King  
 RUN: 12      SCRIBED (Y/N): Y      HEAD DRILLER: Dave Zaccardi

DEPTH	CORE SKETCH	NOTES
0.1		
0.2		
0.3		
0.4		quartz deposits
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		Layering
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		Drilling induced fracture
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		layering
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		Change in layering
0.4		
0.5		
0.6		
0.7		
0.8		layering
0.9		
1.0		

EGS COLLAB PROJECT CORE LOG, SURF 4850' LEVEL

HOLE: C-E4-0T      DATE: 18 Oct 17      LOGGER: Dennis King  
 RUN: 13      SCRIBED (Y/N): Y      HEAD DRILLER: Dave Zaccardi

DEPTH	CORE SKETCH	NOTES
0.1		
0.2		
0.3		Mica deposit
0.4		
0.5		
0.6		Calcite vein
0.7		
0.8		
0.9		Mica deposit
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		Mica deposit
0.9		
1.0		
0.1		Mica deposit
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		Layering Mica deposit
0.8		
0.9		
1.0		Mica Vein
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		Mica layering
0.7		
0.8		
0.9		
1.0		
0.1		Drilling induced fracture
0.2		
0.3		
0.4		
0.5		
0.6		Mica deposit
0.7		
0.8		
0.9		
1.0		

EGS COLLAB PROJECT CORE LOG, SURF 4850' LEVEL

HOLE: C-E1-0T      DATE: 10 Oct 17      LOGGER: Dennis King  
 RUN: 14      SCRIBED (Y/N): Y      HEAD DRILLER: Dave Zaccardi

DEPTH	CORE SKETCH	NOTES
0.1		
0.2		
0.3		
0.4		calcite filled fractures
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		Mica deposits
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		Calcite filled fracture
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		Mica deposits
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		Iron pyrite deposit
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		calcite filled fracture
1.0		

EGS COLLAB PROJECT CORE LOG, SURF 4850' LEVEL

HOLE: C-E1-01      DATE: 10 Oct 17      LOGGER: Dennis King  
 RUN: 15      SCRIBED (Y/N): Y      HEAD DRILLER: Dave Zaccardi

DEPTH	CORE SKETCH	NOTES
0.1		
0.2		Calcite filled break
0.3		
0.4		
0.5		Calcite filled fracture
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		Core broke at calcite filled fracture
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		Iron pyrite deposit
0.3		
0.4		
0.5		Drilling induced fracture
0.6		
0.7		
0.8		
0.9		
1.0		

EGS COLLAB PROJECT CORE LOG, SURF 4850' LEVEL

HOLE: C-E1-0T      DATE: 10 Oct 17      LOGGER: Dennis King  
 RUN: 16      SCRIBED (Y/N): Y      HEAD DRILLER: Dave Zaccardi

DEPTH	CORE SKETCH	NOTES
0.1		
0.2		
0.3		
0.4		
0.5		Mica bedding layers
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		Mica layer
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		Mica deposits
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		calcite filled fracture
0.2		
0.3		
0.4		
0.5		calcite filled fracture
0.6		
0.7		
0.8		
0.9		
1.0		Drilling induced break



EGS COLLAB PROJECT CORE LOG, SURF 4850' LEVEL

HOLE: C-E1-0T      DATE: 10 Oct 17      LOGGER: Dennis King  
 RUN: 17      SCRIBED (Y/N): Y      HEAD DRILLER: Dave Zaccardi

DEPTH	CORE SKETCH	NOTES
0.1		
0.2		
0.3		layering
0.4		
0.5		
0.6		Calcite filled fracture
0.7		
0.8		
0.9		layering
1.0		
0.1		
0.2		Calcite filled fracture
0.3		
0.4		Calcite filled fracture with iron Pyrite deposits
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		layering
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		Mica
0.7		
0.8		
0.9		
1.0		Drilling induced fracture
0.1		
0.2		calcite deposits
0.3		
0.4		
0.5		
0.6		
0.7		Mica
0.8		
0.9		
1.0		

EGS COLLAB PROJECT CORE LOG, SURF 4850' LEVEL

HOLE: C-F1-0T      DATE: 10 Oct 17      LOGGER: Dennis King  
 RUN: 18      SCRIBED (Y/N): Y      HEAD DRILLER: Dave Zaccardi

DEPTH	CORE SKETCH	NOTES
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		Partially filled fracture. Calcite with iron pyrite
0.2		
0.3		
0.4		Bedding planes have changed to a parallel pattern
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		
0.8		
0.9		
1.0		Calcite
0.1		
0.2		
0.3		
0.4		
0.5		
0.6		
0.7		layering
0.8		Calcite
0.9		
1.0		
0.1		
0.2		
0.3		calcite
0.4		
0.5		
0.6		Mica
0.7		
0.8		Calcite
0.9		
1.0		

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	1	Borehole ID	E1-OT	Scribed (red line)	<input checked="" type="checkbox"/> N
Depth Interval (ft)	93-98	Box #		Run #	20
Date	11 Oct 2017	Core Logger(s)	D King - WMR		

Depth	Sketch [fractures, foliation & fold directions]	Notes
93		Carbonate graphitic schist with thin interbeds of higher carbonate content Layering subparallel to core axis
94		Same as above but layering shows tight, small-scale folds.
95		Same as above but with greater amounts of thin, purer carbonate layers.
96		irregular Pyrite grains the thin carbonates appear to be more brittle than the more graphitic layers
97		Carbonate graphitic bedding No visible fracturing either thin or thick Bull quartz pod
98		Core is ~5.3 ft long

Filename range (digital core images)

RQD = 1

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

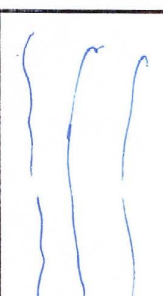
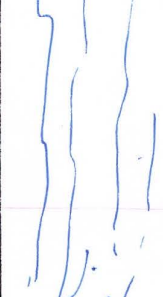


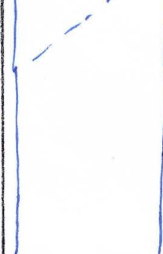
Experiment #	1	Borehole ID	E1-OT	Scribed (red line)? Y/N	
Depth Interval (ft)	98-103'	Box #		Run #	21
Date	11 OCT 2017	Core Logger(s)	D. King & WMR		

Depth	Sketch [fractures, foliation & fold directions]	Notes
98		Carbonate graphitic phyllite Small-scale folding to 98.8' then more broadly folded. Layering has an angle to the core axis measured from "top" of core of 65°.
99		Same as above; very fine, discontinuous healed fractures with calcite filling (< 0.5mm aperture).
100		Folding becomes more chaotic sulfide grains $\frac{1cm}{4} = 0.25cm$ more micaceous Broader folding, less chaotic folding
101		Same as above
102		much more carbonate-rich (whiter)
103		No open fractures in this core

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	1	Borehole ID	E1-OT	Scribed (red line)? Y/N
Depth Interval (ft)	103-108	Box #		Run #
Date		Core Logger(s)	D King & W King	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		Graphitic mica carbonate phyllite Percentage of white carbonate higher than in previous parts of the hole. Although folds and fold noses are abundant, the general texture is parallel to the axis of the core
0.5 1		As above
0.5 1		Layering orientation changes from subparallel to core axis to 20° from core axis.
0.5 1		mechanical break along preexisting mineralized, filled fracture with an <del>apparent</del> width of <del>ca</del> ~1mm.
0.5 1		thin (~1mm) calcite-filled fracture -- well healed layering indistinct.

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # <b>#1</b>	Borehole ID <b>C-E1-0T</b>	Scribed (red line) <input checked="" type="checkbox"/> Y/N
Depth Interval (ft) <b>108-113'</b>	Box #	Run # <b>23</b>
Date <b>11 Oct 2017</b>	Core Logger(s) <b>D. King + WMR</b>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
108		Carbonate graphitic Phyllite layering is thin, discontinuous but shows effect of folding in many instances.
109		mechanical break parallel to layering
110		As above thin <del>bed</del> bedded with varying amounts of higher carbonate layers.
111		<del>As above</del> . Carbonate graphitic Phyllite highly deformed thin layering mechanical break parallel to layering
112		Carbonate graphitic Phyllite indistinct layering
113		well-developed thin layering with undulose texture

Filename range (digital core images)

RQD=1

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	1	Borehole ID	C-F1-0T	Scribed (red line)?	✓/N
Depth Interval (ft)	113-118'	Box #		Run #	24
Date	11 Oct 2017	Core Logger(s)	D King + WMR		

Depth	Sketch [fractures, foliation & fold directions]	Notes
113		graphitic carbonate phyllite one solid piece 60.1" long
114		Rhythmically bedded with alternating darker and lighter layers. Appears to be developed in sets of darker layers alternating with groups of whiter/lighter thin beds.
115		
116		
117		
118		+ transposed bedding in the fold [?]

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	7	Borehole ID	C-E1-0T	Scribed (red line)? Y/N
Depth Interval (ft)	118-123'	Box #		Run #
Date	11 Oct 2017	Core Logger(s)	D King & Wmt	

Depth	Sketch [fractures, foliation & fold directions]	Notes
118		graphitic carbonate phyllite with varying amount of micas and other silicates.  Rhythmically bedded
119		Bedding generally parallel to core axis
120		more massive, thickly bedded section
121		more micaceous
122		thinly bedded alternating with thicker beds  As above.
123	Filename range (digital core images)	



EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # <u>1</u>	Borehole ID <u>C-E1-OT</u>	Scribed (red line) <u>Y/N</u>
Depth Interval (ft) <u>123-128</u>	Box #	Run # <u>26</u>
Date	Core Logger(s) <u>D. King + Wmk</u>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
123		Graphitic Carbonate phyllite (entire core)
123.5		healed fracture with calcite; aperture ~ 0.5mm
124		mica-rich layer showing folding and <del>possibly</del> sheared inclusions associated with folding.
126		metamorphic sheared bedding; indistinct
127		more metamorphic sheared carbonate thin layering.

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # <u>1</u>	Borehole ID <u>C-E1-OT</u>	Scribed (red line)? Y/N <u>Y</u>
Depth Interval (ft) <u>128-133</u>	Box #	Run # <u>27</u>
Date <u>12 Oct 2017</u>	Core Logger(s) <u>D. King + WMR</u>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		Bedding layers.
1		
0.5		
1		quartz deposit
0.5		Drilling induced fracture
1		Drilling induced fracture
0.5		Drilling induced fracture
1		calcite filled fracture
0.5		Open area with small crystals
1		Calcite filled fracture

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	1	Borehole ID	C-E1-0T	Scribed (red line)?	Y/N
Depth Interval (ft)	133-138	Box #		Run #	28
Date	12 Oct 17	Core Logger(s)	D. King		

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		Calcite filled fracture
1		Calcite filled fracture
0.5		Calcite filled fracture
1		Calcite filled nose with filled fracture
0.5		Calcite filled fracture
1		Calcite filled fractures.
0.5		Drilling induced fracture

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # <u>1</u>	Borehole ID <u>C-E1-OT</u>	Scribed (red line)? Y/N <u>Y</u>
Depth Interval (ft) <u>138-143</u>	Box #	Run # <u>29</u>
Date <u>12 Oct 17</u>	Core Logger(s) <u>D. Kins</u>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		Bedding layers calcite filled fracture
0.5 1		calcite filled fracture
0.5 1		Drilling induced fracture calcite filled fractures
0.5 1		Bedding layers

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	1	Borehole ID	C-E1-0T	Scribed (red line)? Y/N	Y
Depth Interval (ft)	143-148	Box #		Run #	30
Date	12 Oct 17	Core Logger(s)	D King		

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		quartz filled fracture with deposits of iron pyrite
1		Quartz boundary Quartz vein
0.5		calcite vein in the quartz vein Iron Pyrite deposit Quartz boundary Drilling induced fracture Drilling induced fracture
1		Bedding layers
0.5		Iron pyrite vein Iron pyrite deposits Bedding layers
1		calcite veins Bedding layers

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL


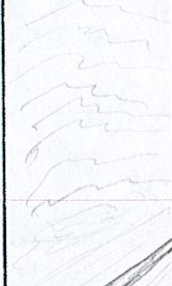

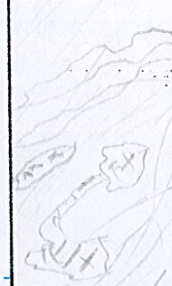
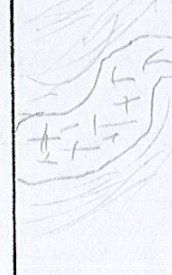
Experiment # <u>1</u>	Borehole ID <u>C-E1-OT</u>	Scribed (red line)? Y/N <u>Y</u>
Depth Interval (ft) <u>148-153</u>	Box #	Run # <u>31</u>
Date <u>120417</u>	Core Logger(s) <u>D King</u>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		Calcrete veins
1		Bedding layers
0.5		Drilling induced fracture along bedding plane
1		Folds of Calcite Drilling induced fracture
0.5		Drilling induced fracture along bedding plane
1		Calcite-filled fracture
0.5		Calcite-filled fracture
1		Drilling induced fracture along bedding plane

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # <b>1</b>	Borehole ID <b>C-E1-0T</b>	Scribed (red line)? Y/N <b>Y</b>
Depth Interval (ft) <b>153-158</b>	Box #	Run # <b>32</b>
Date <b>12 Oct 17</b>	Core Logger(s) <b>D. King</b>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		calcite veins Bedding planes Calcite inclusion
0.5 1		Drilling induced fracture along bedding plane
0.5 1		Bedding planes with calcite
0.5 1		Quartz + calcite inclusions
0.5 1		Quartz inclusion

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # <u>1</u>	Borehole ID <u>C-EI-OT</u>	Scribed (red line)? Y/N <u>Y</u>
Depth Interval (ft) <u>158-163</u>	Box #	Run # <u>33</u>
Date <u>12 Oct 17</u>	Core Logger(s) <u>D. King</u>	


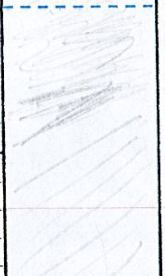



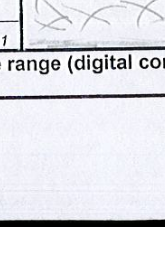

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		Bedding Planes calcite-filled fracture
0.5 1		Drilling induced fracture along bedding plane
0.5 1		calcite healed fracture Bedding Planes
0.5 1		Partially open calcite-filled fracture crystal formation inside open areas.
0.5 1		calcite filled fracture Mica + iron Pyrite
0.5 1		mica + iron pyrite

Filename range (digital core images)



## EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL


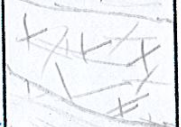
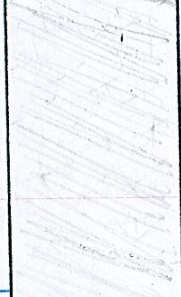



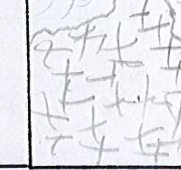
Experiment # <u>1</u>	Borehole ID <u>C-E1-0T</u>	Scribed (red line)? Y/N <u>Y</u>
Depth Interval (ft) <u>163-168</u>	Box #	Run # <u>34</u>
Date <u>12 Oct 17</u>	Core Logger(s) <u>D. King</u>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div style="text-align: center;">  </div>		Bedding layers
<div style="text-align: center;">  </div>		mica layers
<div style="text-align: center;">  </div>		calcite filled fracture
<div style="text-align: center;">  </div>		mica
<div style="text-align: center;">  </div>		calcite filled fractures
<div style="text-align: center;">  </div>		quartz
<div style="text-align: center;">  </div>		quartz

Filename range (digital core images)

## EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # <b>2</b>	Borehole ID <b>C-E1-01</b>	Scribed (red line)? Y/N <b>Y</b>
Depth Interval (ft) <b>168-173</b>	Box #	Run # <b>35</b>
Date <b>12 Oct 17</b>	Core Logger(s) <b>D. King</b>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		quartz
1		Quartz
0.5		Quartz Bedding planes
1		Quartz / Drilling induced fracture
0.5		Quartz
1		Quartz
0.5		Quartz

Filename range (digital core images)

## EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # <b>1</b>	Borehole ID <b>C-E1-0T</b>	Scribed (red line)? Y/N <b>Y</b>
Depth Interval (ft) <b>173-178</b>	Box #	Run # <b>36</b>
Date <b>12 Oct 17</b>	Core Logger(s) <b>D. King K. CONDAN</b>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div style="text-align: center;">0.5</div> <hr style="border: 0.5px solid black;"/> <div style="text-align: center;">1</div>		<p>QUARTZ</p> <p>Drill Fracture</p> <p>QUARTZ mix w/ schist (@ approx 450)</p>
<div style="text-align: center;">0.5</div> <hr style="border: 0.5px solid black;"/> <div style="text-align: center;">2</div> <div style="text-align: center;">1</div>		<p>small calcite pockets</p> <p>Drill Fracture, Schist in pieces around fracture</p> <p>pyrite fleck around</p> <p>Qz vein</p>
<div style="text-align: center;">2.2</div> <hr style="border: 0.5px solid black;"/> <div style="text-align: center;">2.6</div> <hr style="border: 0.5px solid black;"/> <div style="text-align: center;">3</div> <div style="text-align: center;">1</div>		<p>Drill fracture start about 45° broken pieces</p> <p>drill fracture end, foliation not well defined</p> <p>drill fracture along foliation ~ 60°</p> <p>Schist w/ pyrites</p> <p>fuzzy planar foliation</p>
<div style="text-align: center;">0.5</div> <hr style="border: 0.5px solid black;"/> <div style="text-align: center;">4</div> <div style="text-align: center;">1</div>		<p>drill fracture</p> <p>Qz vein</p> <p>marbled schist</p>

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	1	Borehole ID	C-E1-01	Scribed (red line)?	Y/N
Depth Interval (ft)	178-183	Box #		Run #	37
Date	10/13/17	Core Logger(s)	K. CONDON		

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		Calcite vein
1		Brown schist, (light, foliation, planar) containing multiple thin calcite veins
0.5		Schist foliation around fracture Qtz - fractured around edges
1.8		Drilling fracture
2		Thin veins ~ 1 mm gray schist, no distinct foliation
0.5		transition to more bronze foliated schist with white calcite veins
3		foliation approx // to axis (0°) intertwine schist w/ calcite
4		* keep in mixing bronze schist w/ calcite thicker calcite fold
0.5		
5		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # 1	Borehole ID C-E1-OT	Scribed (red line)? Y/N
Depth Interval (ft) 183'-188'	Box #	Run # 38
Date 10/13/17	Core Logger(s) Kate Condon	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		Phyllite very bronze micaceous schist w/ thick folded veins with thick (veins = Qtz?) - white edges, does not freeze
1		
0.5		patches of bronze mica Drill fracture along foliation white veins ~ 1/4 in thick
2		
0.5		Drill fracture along foliation Qtz mica interface thick veins - white
3		Drill fracture along foliation - missing pieces - on surface Drill fracture along foliation
0.5		slippery - soapy texture fractures on surface (denoted by "x")
4		
0.5		very thin foliations mica schist mica soft, scratches easy w/ fingernail 3 grooves in rock - drill ling? - drillers say spring marks from internal spring

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	1	Borehole ID	C-E1-0T	Scribed (red line)? Y/N	
Depth Interval (ft)	188-193	Box #		Run #	39
Date	10/13	Core Logger(s)	KATE CONDON		

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		hairline fracture (natural) w/ foliation soft & micaceous foliation    to core axis slippery soapy
1		
0.5		Drilling Fracture (core break)
2		Slippery Soft mica
0.5		
3		drilling fracture (core break)
0.5		drilling fracture (core break) drilling fracture along foliation Small <del>qtz</del> mineralization veins
4		foliation of mica ~30°
0.5		fractured qtz messy healed fracture in qtz
1		soft mica <del>schist</del> around qtz schist

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	1	Borehole ID	C-E1-OT	Scribed (red line)? Y/N	
Depth Interval (ft)	193-197	Box #		Run #	40
Date	10/13	Core Logger(s)	KATE CONDON		

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		- wet fracture natural fracture @ 0.2 wet after rest of rock dries Calcite veining & folded
1		u-shaped calcite vein folded, schist
0.5		pocket of pyrite around schist
2		- natural fracture damp in schist calcite mineralization
0.5		drilling fracture - small natural healed fracture messy schist & calcite
3		healed fracture foliation ~ 45
4		drilling fracture bivalent pyrite(?) w/ calcite around break
0.5	END	

Filename range (digital core images)