

# Structural Geology Cuttings Observation Sheet

Exp.: 358 Site: 00602 Hole: S Date: 03-03-2019 Summary:

Cuttings #	Structure ID	# in Sandstone	# in mudstone (silt to clay)	# (Lithology not noted)	Comment	Miscellaneous
9						
Observer BJ	vein or mineral filled fracture	2	1		zpprite veins in ss; 1 cc vein in mudstone	Cement Present?
	slickenline		1			
Depth (mbsf) 2842.5 → 2847.5	scaly fabric					Other observations/ sketches
	deformation band/ cataclastic band					
	drilling induced deformation	—	—	—		
Size (mm) ① > 4 or 1-4	bedding present?	—	—	—		
	no deformation	51	372			
	other :		1			

Cuttings #	Structure ID	# in Sandstone	# in mudstone (silt to clay)	# (Lithology not noted)	Comment	Miscellaneous
9						
Observer BJ	vein or mineral filled fracture	—	—	—		Cement Present?
	slickenline	—	—	—		
Depth (mbsf) 2842.5 → 2847.5	scaly fabric	—	—	—		Other observations/ sketches
	deformation band/ cataclastic band	—	—	—		
	drilling induced deformation	—	—	—		
Size (mm) > 4 or ① 1-4	bedding present?	—	—	—		
	no deformation	43	420			
	other :					

# Structural Geology Cuttings Observation Sheet

Exp.: 358 Site: C0002 Hole: S

Date: 03.03.2019

Summary: no deformation

Cuttings #	Structure ID	# in Sandstone	# in mudstone (silt to clay)	# (Lithology not noted)	Comment	Miscellaneous
11						
Observer AD	vein or mineral filled fracture	/	/			Cement Present?  Yes
	slickenline	/	/			
Depth (mbsf) 2852.5 2857.5	scaly fabric	/	/			Other observations/ sketches
	deformation band/ cataclastic band	/	/			
	drilling induced deformation	/	/			
Size (mm) <u>&gt; 4</u> or 1-4	bedding present?	/	8			
	no deformation	/	178			
	other :					

Cuttings #	Structure ID	# in Sandstone	# in mudstone (silt to clay)	# (Lithology not noted)	Comment	Miscellaneous
11						
Observer AD	vein or mineral filled fracture	/	/			Cement Present?  Yes
	slickenline	/	/			
Depth (mbsf) 2852.5 2857.5	scaly fabric	/	/			Other observations/ sketches
	deformation band/ cataclastic band	/	/			
	drilling induced deformation	/	/			
Size (mm) > 4 or <u>1-4</u>	bedding present?	/	2			
	no deformation	/	232			
	other : cement	5				

# Structural Geology Cuttings Observation Sheet

Exp.: 358 Site: C0002 Hole: S

Date: 03.03.2019

Summary: No deformation

Cuttings #	Structure ID	# in Sandstone	# in mudstone (silt to clay)	# (Lithology not noted)	Comment	Miscellaneous
13						
Observer AD	vein or mineral filled fracture	/	/			Cement Present?  Yes  Other observations/ sketches
	slickenline	/	/			
Depth (mbsf) 2862.5 2867.5	scaly fabric	/	/			
	deformation band/ cataclastic band	/	/			
	drilling induced deformation	/	/			
Size (mm) > 4 or 1-4	bedding present?	/	1			
	no deformation	3	138			
	other :					

Cuttings #	Structure ID	# in Sandstone	# in mudstone (silt to clay)	# (Lithology not noted)	Comment	Miscellaneous
13						
Observer AD	vein or mineral filled fracture	/	1	/		Cement Present?  Yes  Other observations/ sketches
	slickenline	/	/	/		
Depth (mbsf) 2862.5 2867.5	scaly fabric	/	/	/		
	deformation band/ cataclastic band	/	/	/		
	drilling induced deformation	/	/	/		
Size (mm) > 4 or 1-4	bedding present?	/	/	-		
	no deformation	4	140			
	other :					

# Structural Geology Cuttings Observation Sheet

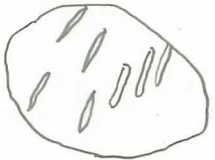
Exp.: 358 Site: C6007 Hole: S Date: 03-03-2019 Summary:

Cuttings #	Structure ID	# in Sandstone	# in mudstone (silt to clay)	# (Lithology not noted)	Comment	Miscellaneous
15						
Observer BJ	vein or mineral filled fracture			12/8	12 calcite veins; 8 pyrite veins	Cement Present?
	slickenline					
Depth (mbsf)	scaly fabric					Other observations/ sketches
	deformation band/ cataclastic band					
	drilling induced deformation					
Size (mm) > 4 or 1-4	bedding present?					
	no deformation			121		
	other: cement			4		

Cuttings #	Structure ID	# in Sandstone	# in mudstone (silt to clay)	# (Lithology not noted)	Comment	Miscellaneous
15						
Observer BJ	vein or mineral filled fracture			3/1	3 calcite veins; 1 pyrite vein	Cement Present?
	slickenline					
Depth (mbsf)	scaly fabric					Other observations/ sketches
	deformation band/ cataclastic band					
	drilling induced deformation					
Size (mm) > 4 or 1-4	bedding present?					
	no deformation			328		
	other: cement			36		

# Structural Geology Cuttings Observation Sheet

Exp.: 358 Site: C0002 Hole: S Date: 03/03/2019 Summary: no deformation

Cuttings # 26	Structure ID	# in Sandstone	# in mudstone (silt to clay)	# (Lithology not noted)	Comment	Miscellaneous
Observer KU	vein or mineral filled fracture	—	1		calcite veins showing echelon geometry (see sketches)	Cement Present?  NO
	slickenline	—	—			
Depth (mbsf) 2892.5 2897.5	scaly fabric	—	—			Other observations/ sketches  
	deformation band/ cataclastic band	—	—			
	drilling induced deformation	—	—			
Size (mm) ④ or 1-4	bedding present?	—	—			
	no deformation	7	264			
other :						

Cuttings # 32	Structure ID	# in Sandstone	# in mudstone (silt to clay)	# (Lithology not noted)	Comment	Miscellaneous
Observer KU	vein or mineral filled fracture	—	11		granular calcite veins planar and wavy calcite veins	Cement Present?  NO
	slickenline	—	—			
Depth (mbsf) 2912.5 2917.5	scaly fabric	—	—			Other observations/ sketches
	deformation band/ cataclastic band	—	—			
	drilling induced deformation	—	—			
Size (mm) ④ or ①-4	bedding present?	—	—			
	no deformation	7	475			
other :						

# Structural Geology Cuttings Observation Sheet

Exp.: 358 Site: C0002 Hole: S Date: 03-01-2019 Summary:

Cuttings #	Structure ID	# in Sandstone	# in mudstone (silt to clay)	# (Lithology not noted)	Comment	Miscellaneous
32						
Observer BJ	vein or mineral filled fracture			4/2	4 calcite veins; 2 pyrite veins	Cement Present?
	slickenline					
Depth (mbsf) 2912.5 → 2917.5	scaly fabric					Other observations/ sketches
	deformation band/ cataclastic band					
	drilling induced deformation					
Size (mm) >4 or 1-4	bedding present?					
	no deformation			153		
	other : cmt			2		

Cuttings #	Structure ID	# in Sandstone	# in mudstone (silt to clay)	# (Lithology not noted)	Comment	Miscellaneous
37						
Observer BJ	vein or mineral filled fracture			1	calcite	Cement Present?
	slickenline					
Depth (mbsf) 2932.5 → 2933.5	scaly fabric					Other observations/ sketches
	deformation band/ cataclastic band					
	drilling induced deformation					
Size (mm) > 4 or 1-4	bedding present?					
	no deformation			212		
	other : cmt			10		

### Structural Geology Cuttings Observation Sheet

Exp.: 358 Site: C0002 Hole: S Date: 03/03/2019 Summary: no deformation, few tiny calcite veins

Cuttings # 37	Structure ID	# in Sandstone	# in mudstone (silt to clay)	# (Lithology not noted)	Comment	Miscellaneous
Observer KU	vein or mineral filled fracture	—	6		short and planar veins and one vein w/ brecciated and fragmented mudstone filled w/ calcite	Cement Present? NO
	slickenline	—	—			
Depth (mbsf) 2932.5 2933.5	scaly fabric	—	—		photo taken (358-C0002S-0375MW-VCD-St-1.jpg)	Other observations/ sketches
	deformation band/ cataclastic band	—	—			
	drilling induced deformation	—	—			
Size (mm) > 4 or 1-4	bedding present?	—	—			
	no deformation	6	310			
	other :					

Cuttings # 26	Structure ID	# in Sandstone	# in mudstone (silt to clay)	# (Lithology not noted)	Comment	Miscellaneous
Observer KU	vein or mineral filled fracture	—	3	1	Several types of calcite veins 2 tiny short veins, parallel veins granular crystal	Cement Present? Yes (calcite)
	slickenline	—	—			
Depth (mbsf) 2892.5 2897.5	scaly fabric	—	—			Other observations/ sketches
	deformation band/ cataclastic band	—	—			
	drilling induced deformation	—	—			
Size (mm) > 4 or 1-4	bedding present?	—	probably yes		parallel calcite veins forming foliation	
	no deformation	5	205			
	other :				photo taken (358-C0002S-0265MW-VCD-St-1.jpg)	