APPENDIX E

Results for Kleinfelder Specimen ID K2-13-004

• Specimen Preparation Notes



A-227 SPECIMEN PREPARATION NOTES

Specimen K2-13	3-004 Project No	b: 136473	Page <u>1</u> of <u>4</u>			
Boring No.: R-	7-1	_ Date of Preparation:	10/12/13			
Sample No: SC	-3	_ Depth:	40.5 - 41.0 feet			
Disposition of Rock Core Sample						
🛛 No Apparent Dis	sturbance 🛛 Apparent D	Visturbance 🗌 App	parent Slaking Due to Coring			
Other (Describe	Sample consisted of a Lim Length	estone of the Key Largo Fo	ormation with Large Vugs Along Its			

Specimen Preparation Notes						
Trimming Method :	Rotary coring with water lubricant, 1.5-inch OD diameter core barrel		Affixation to Platens :	n/a		
Ave. Length (in.) :	n/a	Ave. Diameter (in.):	n/a	L/D	n/a	
. Total Unit Weight . (pcf) :	n/a	Moisture Content (%)	n/a	% Saturation (Assume SG = 2.70)	n/a	
	· · / ×	(/•)				

Specimen Testing Comments

1) Sample R-7-1 SC-3 was predominately a medium strong rock with large vugs along its length (see Photo E.1 to E.4). Due to the rock hardness, the sample could not be trimmed by hand and it was decided to core the nominally 3-inch diameter sample with a 1.5-inch outside diameter (OD), thin-walled diamond-impregnated core barrel.

2) Sample was trimmed to an approximate 6-inch length and grouted into an CMU block on 10/12/13. See Photos E.5 through E.6.

3) Sample was cored on 10/13/13. See Photo E.7. Two fragments of rock, each too small for an acceptable RCTS specimen length, resulted from the coring (See Photo E.7).

4) According to the Rizzo Work Plan for Laboratory Testing (Rizzo, 2013), only two of the three Key Largo Limestone Samples sent to Kleinfelder were to be tested using the RCTS Method. Since no viable test specimen was obtained for K2-13-004, the other two Key Largo Formation specimens (K2-13-001 and K2-13-002) were tested instead.

See Attached Photographs



A-228 SPECIMEN PREPARATION NOTES

Specimen No: K2-13-004

Page 2 of 4





A-229 SPECIMEN PREPARATION NOTES

Specimen No: K2-13-004

Page 3 of 4





A-230 SPECIMEN PREPARATION NOTES

Specimen No: K2-13-004

Page 4 of 4



APPENDIX F

Results for Kleinfelder Specimen ID K2-13-005

- Specimen Preparation Notes
- RCTS Testing Results



A-232 SPECIMEN PREPARATION NOTES

No.: K2-13-005	Project No :	136473	Page <u>1</u> of <u>3</u>		
Boring No.: R-6-1b		Date of Preparation:	10/12/13		
Sample No: SC-3		Depth:	47.6 - 48.1 feet		
Disposition of Rock Core Sample					
🛛 No Apparent Disturban	nce 🗌 Apparent Dist	turbance 🗌 App	parent Slaking Due to Coring		
Other (Describe) Sat	mple consisted of a Limes zed Vugs	tone of the Fort Thomps	on Formation with Small to Large		
Specimen Preparatio	on Notes				

opeointen rieparation Notes						
Trimming Method :	Rotary coring with water lubricant, 1.5-inch OD diameter core barrel		Affixation to Platens :	Epoxied to 2.8-inch diameter steel top cap and base pedestal		
Ave. Length (in.) :	4.0597	Ave. Diameter (in.):	1.451	L/D	2.8	
Total Unit Weight .		Moisture Content		% Saturation		
(pcf) :	151.8	(%)	3.6	(Assume SG = 2.70)	64.6	

Specimen Testing Comments

1) Sample R-6-1b was predominately a medium strong rock with small to large sized vugs (see Photo F.1 to F.2). Due to the rock hardness, the sample could not be trimmed by hand and it was decided to core the nominally 3-inch diameter sample with a 1.5-inch outside diameter (OD), thin-walled diamond-impregnated core barrel.

2) Sample was trimmed to an approximate 6-inch length and grouted into an CMU block on 10/12/13 (See Photos F.3 through F.4).

3) Sample was cored on 10/13/13 (See Photo F.5). One approximately 1.45-inch diameter specimen resulted from the rotary coring. The specimen was of sufficient length for RCTS Testing and the sample ends were trimmed to the final length of about 4.1-inches.

4) Specimen was epoxied to the 2.8-inch diameter steel top cap and base pedestal on 12/13/13.

5) Testing commenced on 12/14/13 and was completed on 12/16/13. The full test sequence was completed, with confining pressures ranging from 4 psi to 64 psi.

See Attached Photographs



A-233 SPECIMEN PREPARATION NOTES

Specimen No: K2-13-005

Page 2 of 3





A-234 SPECIMEN PREPARATION NOTES

Specimen No: K2-13-005

Page 3 of 3

