

Test Location Information:

Exploration: B-40 Date: 10/2/2008
 Surface El.: 2.3 feet Engineer: MLE
 Test Depth: 15 feet
 Test El.: -12.7 feet

Vane and Test Data:

Vane Diameter: 3 5/8 inches Vane Type: Standard Vane
 Vane Constant, k: 0.905 Depth of Vane Tip: 15 ft
 Torque Arm Length: 12 inches Depth of Vane Tip Below Bottom of Hole: 1.5 ft
 Torque Rate - Undisturbed: 0.1 deg/sec
 Torque Rate - Remolded: 0.1 deg/sec

Undisturbed Condition				Undisturbed Condition			
Degrees of Rotation	Dial Reading (lbs)	Friction (lbs)	S _u (psf)	Degrees of Rotation	Dial Reading (lbs)	Friction (lbs)	S _u (psf)
0.5	0	0	0	16	19	0	206
1	6	0	65	17	20	0	217
1.5	6	0	65	18	20	0	217
2	8	0	87	19	21	0	228
3	8	0	87	20	22	0	239
4	8	0	87	21	22	0	239
5	9	0	98	22	21	0	228
6	10	0	109	23	20	0	217
7	10	0	109	24	20	0	217
8	11	0	119	25	20	0	217
9	12	0	130	26	20	0	217
10	13	0	141	27	20	0	217
11	13	0	141	28	19	0	206
12	14	0	152	29	19	0	206
13	15	0	163	30	19	0	206
14	16	0	174	31	19	0	206
15	17	0	185	32	19	0	206
	18	0	195	33	17	0	185



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FIELD VANE SHEAR TEST REPORT | 2 of 3

Project No.: 1131-08-431
 Project Name: Spring/Fishburne Outfall Project
 Location: Charleston, SC
 Client: Black and Veatch