

Test Location Information:

Exploration: B-40 Date: 10/2/2008
 Surface El.: 2.3 feet Engineer: MLE
 Test Depth: 33 feet
 Test El.: -30.7 feet

Vane and Test Data:

Vane Diameter: 3 5/8 inches Vane Type: Standard Vane
 Vane Constant, k: 0.905 Depth of Vane Tip: 33 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	33	0	358
1	7	0	76	17	31	0	337
1.5	9	0	98	18	29	0	315
2	9	0	98	19	28	0	304
3	10	0	109	20	27	0	293
4	12	0	130	21	25	0	272
5	15	0	163	22	25	0	272
6	16	0	174	23	25	0	272
7	19	0	206	24	25	0	272
8	20	0	217	25	25	0	272
9	23	0	250	26	25	0	272
10	25	0	272	27	25	0	272
11	27	0	293	28	25	0	272
12	29	0	315	29	25	0	272
13	30	0	326	30	25	0	272
14	30	0	326	31	25	0	272
15	32	0	348	32	25	0	272
		0	0	33	25	0	272



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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