

## Geotechnical Analytical Summary

Harold J. Guidry et al. v. BP America Production Company, et al.  
 Sections 71, 72 & 73, Township 09 South, Range 05 East  
 Anse La Butte Oil and Gas Field, St. Martin Parish, Louisiana  
 HET Project No. 1009.A34

Table 11  
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Sample ID / Depth (feet)	Sample Date	Description	Atterberg Limits			Moisture Content (% Weight)	Dry Density (pcf)	Organic Matter (%)	Coefficient of Permeability (cm/sec)
			LL	PL	PI				
DB-1 (22-24')	7/26/16	Tan and light gray clay (CH)	54	16	38	22.2	104.3	3.6	5.6 x 10-9
DB-2 (22-24')	7/27/16	Tan clay (CH)	63	17	46	23.7	102.6	4.1	3.0 x 10-8
DB-3 (24-26')	7/28/16	Tan clay (CH)	55	16	39	25.0	101.5	4.0	1.4 x 10-8
DB-4 (24-26')	8/2/16	Light gray and tan silty clay (CL)	49	16	33	21.5	105.8	3.2	1.4 x 10-7
DB-5 (24-26')	8/1/16	Tan and light gray clay (CH)	51	16	35	23.7	104.6	4.4	2.1 x 10-8
DB-6 (24-26')	9/13/16	Gray and tan clay (CH)	57	20	37	29.5	94.4	2.8	8.8 x 10-9
DB-7 (24-26')	8/3/16	Tan and gray silty clay (CL)	40	18	22	25.2	101.1	2.9	2.0 x 10-8

LL - Liquid Limit  
 PL - Plastic Limit  
 PI - Plasticity Index