



Lampiran 1. Data BorLog

LABORATORY REFERENCE NUMBER		BORING/TEST PIT		SAMPLE INFORMATION						ONSITE LABORATORY								
				DATE RECEIVED	FROM (M)	TO (M)	RECOVERY (%)	SAMPLE TYPE	Depth	FIELD DESCRIPTION	CLASSIFICATION			STRENGTH				CHEMICAL
											MOISTURE CONTENT	NET DENSITY (kN/m ³)	DRY DENSITY (kN/m ³)	PENETROMETER MEASUREMENT (kPa)	HAND TORQUE MEASUREMENT (kPa)	LAB VANE SHEAR	QUICK UNSATURATED TRIAXIAL (kPa)	
MOISTURE CONTENT	NET DENSITY (kN/m ³)	DRY DENSITY (kN/m ³)	PENETROMETER MEASUREMENT (kPa)	HAND TORQUE MEASUREMENT (kPa)	PEAK (kPa)	RESIDUAL (kPa)	QUICK UNSATURATED TRIAXIAL (kPa)	REACTION TO HCL (NO/WEAK/STRONG)										
1		12/02/16	0.50	1.25	0.73	UDS		Sandy CLAY, low plasticity, pale brown and yellow brown, fine grained sand	12.34	20.28	18.05	> 600	NA	NA	NA		No	
2			1.25	1.70	0.20	SPT	3	Clayey SAND, fine to medium grained, dark brown and dark grey, trace of carbonaceous	15.95								No	
3			1.70	2.45	0.53	UDS		Sandy CLAY, low plasticity, brown orange, fine to medium grained sand	18.17	19.24	16.28	160	60	71.4	23.8	92.0	No	
4			2.45	3.20	0.37	UDS		Sandy CLAY, low plasticity, brown orange, fine to medium grained sand	19.14	19.04	15.98	110	58	57.1	17.1		No	
5			3.20	3.95	0.24	UDS		Clayey SILT, low plasticity, brown orange, with some fine gravel	18.37	19.30	16.30	110	58	61.9	22.9		No	
6			3.95	4.40	0.30	SPT	8	Clayey SILT, low plasticity, brown orange, with some fine gravel	21.67								No	
7			4.40	5.15	0.32	UDS		Clayey SILT, low plasticity, pale brown with red stain, with some fine gravel	22.95	19.41	15.78	210	75	175.2	47.6		No	
8			5.15	5.90	0.35	UDS		Gravelly CLAY, low plasticity, yellow brown, trace of fine grained sand and fine gravel	19.60	19.78	16.54	150	80	NA	NA		No	
9			5.90	6.35	0.35	SPT	7	Gravelly CLAY, low plasticity, yellow brown, trace of fine grained sand and fine gravel	15.32								No	
10			7.00	7.43	0.38	UDS		Silty SAND, fine grained, brown orange, trace of fine to medium gravel	7.47	16.23	15.10	NA	NA	NA	NA		No	
11			7.43	7.88	0.36	SPT	9	Silty SAND, fine grained, brown orange, trace of fine to medium gravel	10.89								No	
12			8.50	8.95	0.45	SPT	7	TOP: Silty SAND, fine grained, brown orange, trace of fine to medium gravel BOTTOM: Silty CLAY, high plasticity, pale brown to grey	21.94								No	
13	BH-KP 7.9-01	13/02/16	8.95	9.70	0.39	UDS		Silty CLAY, high plasticity, pale brown to grey	24.07	19.85	16.00	200	95	103.8	48.6		No	
14			9.70	10.45	0.66	UDS		Silty CLAY, high plasticity, brown grey, trace of fine grained sand lamination	26.06	19.28	15.30	180	70	60.9	25.7	66.0	No	
15				10.45	11.20	0.60	UDS		Silty CLAY, high plasticity, brown grey, trace of fine grained sand lamination	25.98	19.52	15.49	260	75	> 190.4	NA		No
16				11.20	11.65	0.45	SPT	20	Silty CLAY, high plasticity, brown grey, trace of fine grained sand lamination	26.28								No
17				12.00	12.45	0.35	SPT	20	Silty CLAY, high plasticity, brown grey, with some fine grained sand lamination	41.95								No
18				13.00	13.45	0.45	SPT	13	Silty CLAY, high plasticity, pale brown with stain color	26.16								No
19				13.45	13.87	0.22	UDS		TOP: Silty CLAY, high plasticity, pale brown with stain color BOTTOM: Silty SAND, fine grained, yellow brown, with some clay lamination	13.82	18.13	15.93	110	50	56.2	42.8		No
20				14.00	14.45	0.39	SPT	23	Silty SAND, fine to medium grained, yellow brown, with some clay lamination	6.03								No
21			14/02/16	15.00	15.45	0.43	SPT	22	Silty SAND, fine grained, pale grey with yellow brown	8.63								No
22				16.00	16.45	0.29	SPT	20	Silty SAND, fine grained, pale grey with dark brown	12.89								No
23				17.00	17.45	0.34	SPT	22	Silty SAND, fine grained, pale grey with dark brown	11.64								No
24				18.00	18.45	0.37	SPT	37	SAND, fine to medium grained, white	6.55								No
25			19.55	20.00	0.30	SPT	31	SAND, fine to medium grained, white	5.89								No	
26	BH-KP 7.9 01A	15/02/16	1.70	2.45	0.47	UDS		Sandy CLAY, low plasticity, yellow brown and brown orange, fine to medium grained sand, trace of carbonaceous	15.71	20.22	17.48	180	40	30.5	10.5		No	
27				2.45	2.90	0.30	SPT	5	Sandy CLAY, low plasticity, brown orange, fine to medium grained sand, trace of carbonaceous	18.43								No
28				3.20	3.95	0.40	UDS		Clayey SILT, high plasticity, brown orange, trace of fine to medium gravel	17.69	20.07	17.05	170	80	88.6	54.3		No
29				3.95	4.40	0.30	SPT	6	Silty CLAY, high plasticity, red brown, with some fine to medium gravel	23.05								No
30				4.40	5.15	0.46	UDS		Silty CLAY, high plasticity, pale brown and red stain, with some fine to medium gravel	21.43	20.64	16.99	240	113	109.5	72.4	100.0	No
31				5.15	5.60	0.25	SPT	7	Gravelly CLAY, high plasticity, pale brown, fine to medium gravel	19.39								No
32				5.80	6.55	0.66	UDS		Gravelly CLAY, high plasticity, pale brown, fine to medium gravel	15.62	20.34	17.59	NA	NA	NA	NA		No
33				6.55	7.00	0.38	SPT	8	Silty SAND, fine grained, brown orange and red brown	15.25								No
TOTAL TEST									33	15	15	13	12	11	10	3	33	

TEST METHOD: ASTM AS OTHER: ISRM

OTHER INSTRUCTIONS:

		<h2 style="text-align: center;">ONSITE LABORATORY TESTING RESULTS</h2>																
CLIENT: TOTAL E&P INDONESIA PROJECT: Onshore Geotechnical Site Investigation, WO-13 LOCATION: ROW KP 7.9, Senipah JOB NO: 148712020												Field Engineer : SR/EW Lab Technician : AS Project Coordinator : DM Project Manager : HW						
LABORATORY REFERENCE NUMBER	BORING/TEST PIT	SAMPLE INFORMATION							ONSITE LABORATORY									
		DATE RECEIVED	FROM (M)	TO (M)	RECOVERY (%)	SAMPLE TYPE	Depth	FIELD DESCRIPTION	CLASSIFICATION			STRENGTH				CHEMICAL		
									MOISTURE CONTENT	WET DENSITY (kN/m ³)	DRY DENSITY (kN/m ³)	PENETROMETER MEASUREMENT (kPa)	HAND TORNYANE MEASUREMENT (kPa)	LAB VANE SHEAR			QUICK UNDRAINED TRIAXIAL (kPa)	REACTION TO HCL (NO/WEAK/STRONG)
												PEAK (kPa)	RESIDUAL (kPa)					
1	BH-KP 7.9-02	07/02/16	0.50	1.25	0.40	UDS		Sandy CLAY, low plasticity, brown orange, fine grained sand	16.25	19.92	17.14	200	50.0	59.0	14.3		No	
2			1.25	1.70	0.25	SPT	4	Sandy CLAY, low plasticity, brown orange, fine grained sand	16.33								No	
3			2.00	2.75	0.22	UDS		Sandy CLAY, low plasticity, brown orange, fine grained sand, trace of fine gravel	18.16	19.95	16.89	350	NA	NA	NA		No	
4			3.00	3.75	0.33	UDS		Sandy CLAY, low plasticity, pale brown grey, fine grained sand, trace of fine gravel	23.51	19.85	16.07	250	100	120.0	56.2		No	
5			4.00	4.45	0.31	SPT	12	Sandy CLAY, low plasticity, yellow brown, fine to medium grained sand	16.66								No	
6			5.00	5.45	0.31	SPT	10	Silty SAND, fine grained, pale grey	6.05								No	
7			08/02/16	6.00	6.45	0.40	SPT	8	Silty SAND, fine grained, pale brown and pale grey	11.27								No
8				7.00	7.45	0.40	SPT	11	Silty SAND, fine grained, pale grey with brown stain	11.73								No
9				8.00	8.45	0.38	SPT	16	Silty SAND, fine grained, pale grey with brown stain	9.59								No
10				9.00	9.45	0.33	SPT	17	Silty SAND, fine grained, pale grey with brown stain	9.08								No
11				10.00	10.45	0.30	SPT	19	Silty SAND, fine grained, pale grey and yellow brown	9.36								No
12				11.00	11.45	0.35	SPT	15	Silty CLAY, high plasticity, brown and dark grey	27.71								No
13				12.00	12.45	0.37	SPT	32	Silty CLAY, high plasticity, dark grey, trace of carbonaceous	30.81								No
14			02/09/16	13.00	13.17	0.17	SPT	> 50	Carbonaceous SILT, low plasticity, dark grey and brown	90.11								no
15				14.00	14.45	0.45	SPT	42	Silty CLAY, high plasticity, pale brown grey, trace of carbonaceous	23.01								No
16				15.00	15.72	0.72	UDS		Silty SAND, high plasticity, pale brown grey, with some fine grained sand laminations	24.04	19.42	15.65	110	40	34.3	14.3	58.0	No
17				16.00	16.45	0.45	SPT	7	Silty SAND, fine grained, pale brown grey with stain color	27.37								No
18				17.00	17.45	0.43	SPT	7	Silty SAND, fine grained, pale brown grey with stain color, with some clay laminations in parts	26.79								No
19				18.00	18.45	0.40	SPT	15	Silty SAND, fine to medium grained, pale brown grey	24.56								No
20				19.55	20.00	0.38	SPT	33	Silty SAND, fine to medium grained, yellow brown, trace of clay laminations	25.38								No
21	BH-KP 7.9-02A	02/10/16	0.50	1.25	0.35	UDS		Sandy CLAY, low plasticity, brown orange	17.84	20.15	17.10	100	40	41.9	11.4		No	
22				1.25	1.70	0.18	SPT	4	Sandy CLAY, low plasticity, brown orange	18.92								No
23				2.00	2.75	0.45	UDS		Sandy CLAY, low plasticity, brown orange, trace of fine subangular gravel	18.07	20.50	17.36	210	80	93.3	50.5	62.0	No
24				2.75	3.20	0.33	SPT	7	Silty CLAY, high plasticity, pale grey with red stain	22.87								No
25				3.20	3.95	0.35	UDS		Silty CLAY, high plasticity, pale grey with red stain, trace of fine grained sand in parts	23.64	19.59	15.85	210	108	135.2	95.2		No
26				3.95	4.40	0.36	SPT	9	Silty CLAY, high plasticity, pale grey with red stain, trace of fine grained sand in parts	16.05								No
TOTAL TEST								26	/	/	/	6	6	6	2	26		
TEST METHOD:		ASTM <input checked="" type="checkbox"/> AS <input type="checkbox"/> OTHER: ISRM										OTHER INSTRUCTIONS:						

