



Edifica Colombia Ltda  
 Cra 48 No. 98-57  
 Bogotá D.C. Colombia  
 Telephone: (057) 5086013  
 Fax: (057) 2362121

# BORING NUMBER BH-28

CLIENT SPIA - SOCIEDAD PUERTO INDUSTRIAL AGUADULCE

PROJECT NAME PUERTO AGUADULCE

PROJECT NUMBER 13016

PROJECT LOCATION AGUADULCE, BUENAVENTURA, COLOMBIA

DATE STARTED 31/5/13 COMPLETED 4/6/13

GROUND ELEVATION 10 m 0 HOLE SIZE NQ

DRILLING CONTRACTOR Edifica Colombia Ltda

GROUND WATER LEVELS:

DRILLING METHOD Rig XY1

AT TIME OF DRILLING --- 1.20m

LOGGED BY Juan Carlos Vergara CHECKED BY Luis F Vesga

AT END OF DRILLING ---

NOTES Upland borehole

AFTER DRILLING --

GEOTECH BH PLOTS - GEOTECHNICAL INVESTIGATION FOR SPIA. TEST BORINGS LOGS.GPJ GINT STD CANADA LAB.GDT 11/6/13

DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (kPa)	DRY UNIT WT. (Mg/m³)	SPT N VALUE	
								PL	LL
0		(CL) CLAY, yellow, low to high plasticity, moist	SPT 1	100	1-2-3 (5)			20	40
0.5		No recovery. Soft material	SH 2	0					
2		(CL-ML) Silty CLAY, gray, orange bands, low to high plasticity, moist	SPT 3	100	1-3-4 (7)				
4		(CL-ML) Silty CLAY, gray, high plasticity, moist	SPT 4	100	3-4-6 (10)				
4.5		(MH) SILT, gray, high plasticity, moist	SH 5	0					
5		(MH) SILT, gray, high plasticity, moist (Residual)	SPT 6	100	6-6-9 (15)				
6		(ML) Sandy SILT, dark gray (Residual)	SPT 7	100	3-3-5 (8)				
7.5		(ML) Sandy SILT, dark gray (Residual)	SPT 8	100	6-4-5 (9)				
9.5		(ML) SILT, dark gray, low plasticity, moist (Residual)	SPT 9	100	5-9-14 (23)				
10									

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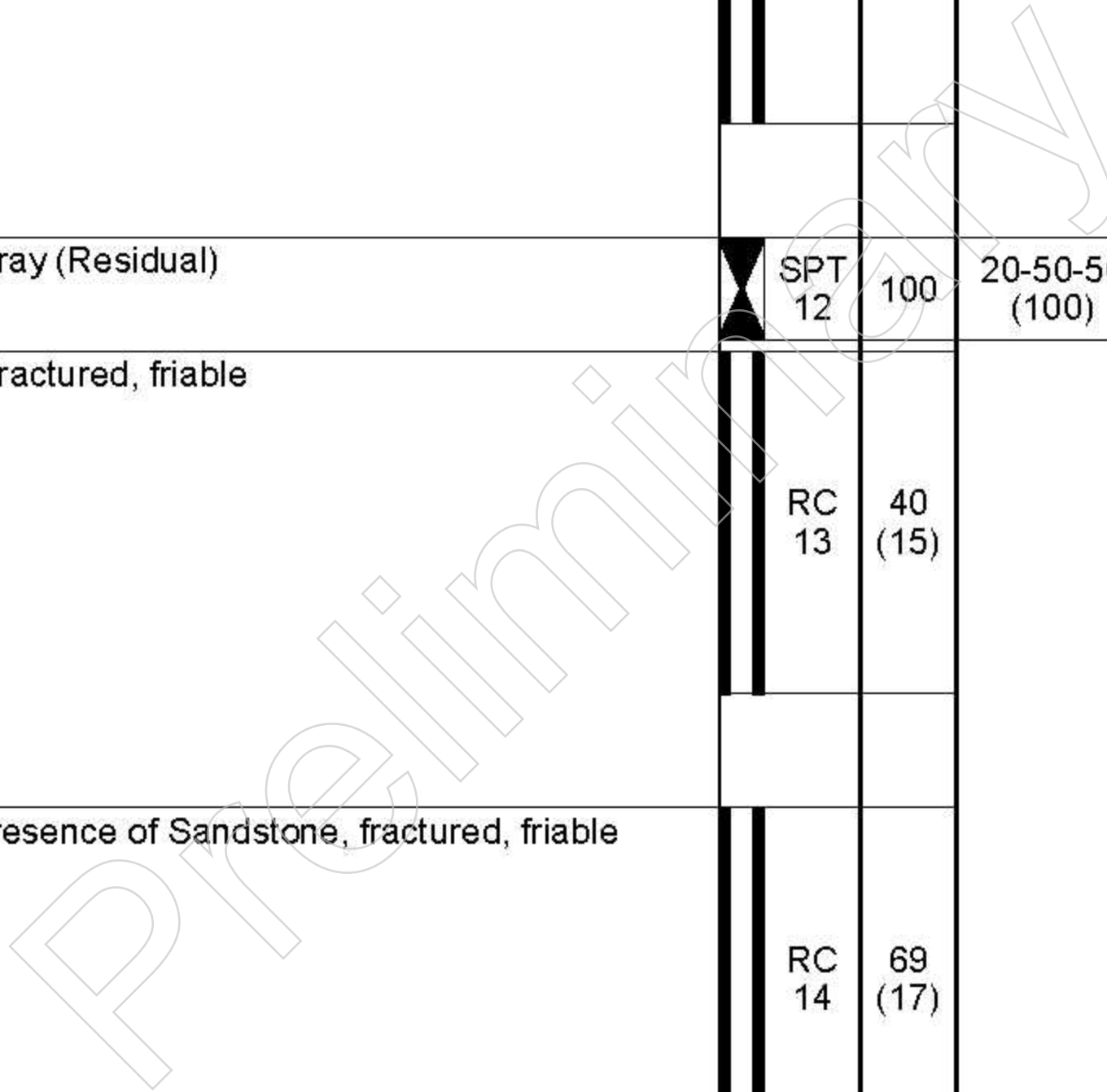
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DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (kPa)	DRY UNIT WT. (Mg/m <sup>3</sup> )	SPT N VALUE	
								20	40
		(ML) SILT, dark gray, low plasticity, moist (Residual)	SPT 10	100	7-12-16 (28)				
		No recovery. Soft rock	RC 11	0 (0)					
12									
		Siltstone, soft, dark gray (Residual)	SPT 12	100	20-50-50 (100)				
14		Siltstone, dark gray, fractured, friable	RC 13	40 (15)					
16		Siltstone, dar gray, presence of Sandstone, fractured, friable	RC 14	69 (17)					
18		Siltstone, dark gray, presence of Sandstone, fractured, friable	RC 15	60 (18)					
20		Siltstone, dark gray, presence of Sandstone, fractured, friable	RC 16	65 (25)					

Bottom of borehole at 20.00 meters.

GEOTECH BH PLOTS GEOTECHNICAL INVESTIGATION FOR SPIA. TEST BORINGS LOGS.GPJ GINT STD CANADA LAB.GDT 11/6/13





EDIFICA  
COLOMBIA LTDA

GEOTECHNICAL INVESTIGATION FOR SPIA.  
BOREHOLE BH-28

PHOTOGRAPHIC RECORD ROCK CORES

