

Figure 1.1 (1/3)

GEOLOGIC LOG OF DRILL HOLE

PROJECT

HOLE No. BG-1 (SHEET 1 OF 3)

LOCATION Los Laurelos II DEPTH OF HOLE 60 m COMMENCED 08-V-
 ELEVATION 1067.85 m DEPTH OF OVERBURDEN m COMPLETED 12-V-2000
 COORDINATE LENGTH OF ROCK DRILLING m DRILLED BY
 ANGLE FROM HORIZONTAL -90° TOTAL LENGTH OF CORE m LOGGED BY
 BEARING OF ANGLE HOLE CORE RECOVERY % W.L. -13.3 m

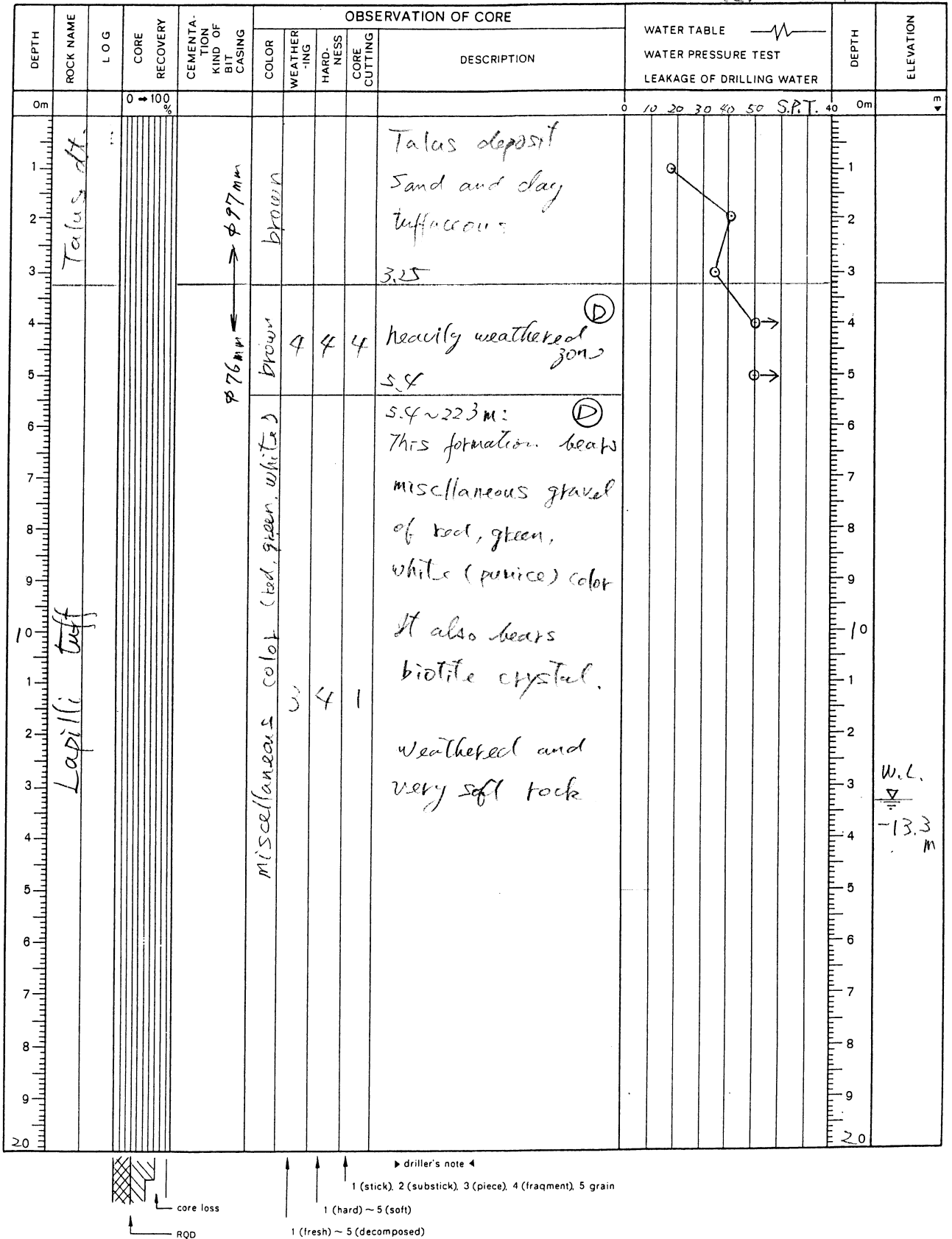


Figure 1.1 (2/3)

GEOLOGIC LOG OF DRILL HOLE

PROJECT

HOLE No. BG-1 (SHEET 2 OF 3)

LOCATION Los Laureles DEPTH OF HOLE 60 m COMMENCED - -
 ELEVATION - m DEPTH OF OVERBURDEN - m COMPLETED - -
 COORDINATE - LENGTH OF ROCK DRILLING - m DRILLED BY -
 ANGLE FROM HORIZONTAL - ° TOTAL LENGTH OF CORE - m LOGGED BY -
 BEARING OF ANGLE HOLE - CORE RECOVERY - %

DEPTH	ROCK NAME	LOG	CORE RECOVERY	CEMENTATION KIND OF BIT CASING	OBSERVATION OF CORE				WATER TABLE	WATER PRESSURE TEST	LEAKAGE OF DRILLING WATER	DEPTH	ELEVATION			
					COLOR	WEATHER- ING	HARD- NESS	CORE CUTTING						DESCRIPTION		
0m			0 → 100 %									0	40.20m			
1	L. tuff				3	4	1	22.3								
2																
3																
4																
5																
6																
7																
8																
9																
10																
1	Ignimbrite				1	2	3	30.0	(CL) Grey hard ignimbrite with calcite veins. Joint: filled by calcite clay							
2																
3																
4																
5																
6																
7																
8																
9																
10																
1								31.95	(CM) Fresh and sound hard rock with partly calcite veins ($\rho_0 \approx 120 \text{ t/m}^3$)							
2																
3																
4																
5																
6																
7																
8																
9																
10																

driller's note 4
 1 (stick), 2 (substick), 3 (piece), 4 (fragment), 5 grain
 1 (hard) ~ 5 (soft)
 1 (fresh) ~ 5 (decomposed)


Figure 1.1 (3/3)

GEOLOGIC LOG OF DRILL HOLE

PROJECT

HOLE No. B9-1 (SHEET 3 OF 3)

LOCATION _____ DEPTH OF HOLE 60 m COMMENCED - -
 ELEVATION _____ m DEPTH OF OVERBURDEN _____ m COMPLETED - -
 COORDINATE _____ LENGTH OF ROCK DRILLING _____ m DRILLED BY _____
 ANGLE FROM HORIZONTAL _____ ° TOTAL LENGTH OF CORE _____ m LOGGED BY _____
 BEARING OF ANGLE HOLE _____ CORE RECOVERY _____ %

DEPTH	ROCK NAME	LOG	CORE RECOVERY	CEMENTATION KIND OF BIT CASING	OBSERVATION OF CORE				DESCRIPTION	WATER TABLE 	WATER PRESSURE TEST	LEAKAGE OF DRILLING WATER	DEPTH	ELEVATION	
					COLOR	WEATHER- ING	HARD- NESS	CORE CUTTING							
40m			0 → 100%										0	40	0m
1									34.75~48.3m: (CM)				1		
2									Drilling along vertical joints.				2		
3									Foundation rock				3		
4									will be good				4		
5									soundness				5		
6									excluding along joints.				6		
7									CM ($\rho \approx 120 \text{ t/m}^3$)				7	46.9	
8									48.3				8		
9									hard, but there are				9		
50									many secondary clay				50		
1									in loosened joints.				1		
2									57.6 (CL)				2		
3									(CM)				3		
4									fresh & sound				4		
5									rock				5		
6									$\rho \approx 100 \text{ t/m}^3$				6		
7													7		
8													8		
9													9		
60									60° bottom				60		

core loss
RQD

driller's note 4

1 (stick), 2 (substick), 3 (piece), 4 (fragment), 5 grain

1 (hard) ~ 5 (soft)

1 (fresh) ~ 5 (decomposed)

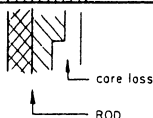
Figure 1.2 (1/3) GEOLOGIC LOG OF DRILL HOLE

PROJECT

HOLE No. BG-2 (SHEET 1 OF 3)

LOCATION Los Laureles II DEPTH OF HOLE 60 m COMMENCED 30-III-
 ELEVATION 1,060.85 m DEPTH OF OVERBURDEN m COMPLETED 09-IV-2000
 COORDINATE LENGTH OF ROCK DRILLING m DRILLED BY
 ANGLE FROM HORIZONTAL -90° TOTAL LENGTH OF CORE m LOGGED BY
 BEARING OF ANGLE HOLE CORE RECOVERY % W.L. -9.0 m

DEPTH	ROCK NAME	LOG	CORE RECOVERY	CEMENTATION KIND OF BIT CASING	OBSERVATION OF CORE					WATER TABLE			DEPTH	ELEVATION
					COLOR	WEATHERING	HARDNESS	CORE CUTTING	DESCRIPTION	WATER PRESSURE TEST	LEAKAGE OF DRILLING WATER			
0m			0 → 100%									LUGEON	0	0m
1						4	4	5	0.95 Heavily weathered				1	
2						2	3	1	100 cl non water drilling				2	
3						2	2	1	Hard and sound rock				3	
4						b			A few joint with rust				4	
5									3.40				5	
6						2	2	1	$\sigma_0 = 100 \text{ t/m}^2$				6	
7						b			slightly weathered				7	
8									along joints with				8	
9						2	2	1	rust - Brit, hard				9	
10						b	(3)		rock.				10	
11									75~8.05m: Test					
12									8.05					
13						2	2	1	$\sigma_0 \approx 60 \text{ t/m}^2$					
14						b	(3)		8.05m and 10.3m:					
15									open joint with rust					
16									/ secondary clay					
17						b	(3)							
18									12.00					
19														
20						3	3	3	(CL) (CM)					
21									This section encountered					
22						3	3	3	joints which is open					
23									crack with secondary					
24									clay.					
25									• weathered & loosened					
26						c			1700 rock					
27														
28						2	2	1	(CM) (CL)					
29						b	(3)		18.0m, 19.0m, 19.6~19.8m:					
30									breakable with open					
31									crack. weathered					




driller's note


1 (stick), 2 (substick), 3 (piece), 4 (fragment), 5 grain


1 (hard) ~ 5 (soft)

1 (fresh) ~ 5 (decomposed)

Figure 1.2 (2/3) **GEOLOGIC LOG OF DRILL HOLE**

PROJECT										HOLE No. <u>BG-2</u> (SHEET <u>2</u> OF <u>3</u>)									
LOCATION _____					DEPTH OF HOLE <u>60</u> m					COMMENCED _____									
ELEVATION _____ m					DEPTH OF OVERBURDEN _____ m					COMPLETED _____									
COORDINATE _____					LENGTH OF ROCK DRILLING _____ m					DRILLED BY _____									
ANGLE FROM HORIZONTAL _____ °					TOTAL LENGTH OF CORE _____ m					LOGGED BY _____									
BEARING OF ANGLE HOLE _____					CORE RECOVERY _____ %														
DEPTH	ROCK NAME	LOG	CORE RECOVERY	CEMENTATION KIND OF BIT CASING	OBSERVATION OF CORE					WATER TABLE 			DEPTH	ELEVATION					
					COLOR	WEATHERING	HARDNESS	CORE CUTTING	DESCRIPTION	WATER PRESSURE TEST	LEAKAGE OF DRILLING WATER								
20m			0 → 100%										0	LUGEON	40	20m			
1	<i>Ignimbrite (high welded)</i>									(CM)					1				
2															2				
3															3				
4															4				
5															5				
6															6				
7															7				
8															8				
9															9				
30															30				
1	<i>Pumice Tuff</i>														1				
2															2				
3															3				
4															4				
5															5				
6															6				
7															7				
8															8				
9															9				
40															40				

 core loss

 RQD

driller's note

1 (stick), 2 (substick), 3 (piece), 4 (fragment), 5 grain

1 (hard) ~ 5 (soft)

1 (fresh) ~ 5 (decomposed)

1 (fresh) ~ 5 (decomposed)

Figure 1.2 (3/3) GEOLOGIC LOG OF DRILL HOLE

PROJECT										HOLE No. BG-2 (SHEET 3 OF 3)									
LOCATION _____					DEPTH OF HOLE 60 m					COMMENCED - -									
ELEVATION _____ m					DEPTH OF OVERBURDEN _____ m					COMPLETED - -									
COORDINATE _____					LENGTH OF ROCK DRILLING _____ m					DRILLED BY _____									
ANGLE FROM HORIZONTAL _____ °					TOTAL LENGTH OF CORE _____ m					LOGGED BY _____									
BEARING OF ANGLE HOLE _____					CORE RECOVERY _____ %														
DEPTH	ROCK NAME	LOG	CORE RECOVERY	CEMENTATION KIND OF BIT CASING	OBSERVATION OF CORE					WATER TABLE					DEPTH	ELEVATION			
					COLOR	WEATHER- ING	HARD- NESS	CORE CUTTING	DESCRIPTION	WATER PRESSURE TEST LEAKAGE OF DRILLING WATER									
0m			0 → 100%											0	40m				
1	Pumice tuff					1	3	1		30.50 ~ 42.70m : (CLM)									
2										($\alpha \approx 60^\circ/\text{m}^2$)									
3										medium welded									
4										Ignimbrite with									
5										soft pumice.									
6																			
7																			
8	Lapilli tuff					1	4	1		42.70									
9										(CL)									
10										Low welded Ignimbrite									
11										breakable.									
12																			
13																			
14																			
15																			
16																			
17																			
18	Lapilli tuff					1	3	1		51.60									
19										(CLM)									
20										Low to medium welded									
21																			
22																			
23																			
24																			
25	Lapilli tuff					1	4	1		(CL)									
26										Low welded Ignimbrite									
27										breakable									
28																			
29																			
30	Lapilli tuff					1	3	1		56.95									
31										(CLM) ($\alpha \approx 80^\circ/\text{m}^2$)									
32										Low to medium Ignimbrite									
33										with reddish pebbles									
34																			
35	Lapilli tuff					1	3	1		60.0									
36										bottom									
37																			

core loss

RQD

driller's note

1 (stick), 2 (substick), 3 (piece), 4 (fragment), 5 grain

1 (hard) ~ 5 (soft)

1 (fresh) ~ 5 (decomposed)

Figure 1.3 (1/2) GEOLOGIC LOG OF DRILL HOLE

PROJECT										HOLE No. BG-3 (SHEET 1 OF 2)									
LOCATION <u>Los Laureles II</u>					DEPTH OF HOLE <u>40</u> m					COMMENCED <u>07-IV-</u>									
ELEVATION <u>1,031.66</u> m					DEPTH OF OVERBURDEN _____ m					COMPLETED <u>17-IV-2000</u>									
COORDINATE _____					LENGTH OF ROCK DRILLING _____ m					DRILLED BY _____									
ANGLE FROM HORIZONTAL <u>-70°</u>					TOTAL LENGTH OF CORE _____ m					LOGGED BY _____									
BEARING OF ANGLE HOLE _____					CORE RECOVERY _____ %					W. L. <u>0</u> m									
DEPTH	ROCK NAME	LOG	CORE RECOVERY	CEMENTATION KIND OF BIT CASING	COLOR	WEATHER- ING	HARD- NESS	CORE CUTTING	DESCRIPTION	WATER TABLE	WATER PRESSURE TEST	LEAKAGE OF DRILLING WATER	DEPTH	ELEVATION					
0m			0 → 100%										0						
1									Recent river deposit				1						
2									Sand with gravel				2						
3									2.60				3						
4							3		(CML) Rhyolitic				4						
5									High welded tuff				5						
6							2	2	5.10				6						
7							2	2	(CM)				7						
8							3						8						
9							3		8.00				9						
10							3	3	(CL)				10						
11							2	4	9.10				11						
12							2	4	CL(D) welded tuff				12						
13							2	4	10.50				13						
14							2	2	(CML)				14						
15							2	2					15						
16							2	2	12.50				16						
17							2	2	(CM) ($\lambda_0 = 100 \text{ (m}^2\text{)}$)				17						
18							2	2					18						
19							2	2	15.5m ph-24				19						
20							2	2	18.8m ph-23				20						
21							2	2	16.50				21						
22							2	2	(CM)				22						
23							2	2	Zenolith: basalt &				23						
24							2	2	reddish sand,				24						
25							2	2	tuff, white pumice				25						
26							2	2					26						
27							2	2					27						
28							2	2					28						
29							2	2					29						
30							2	2					30						

driller's note

1 (stick), 2 (substick), 3 (piece), 4 (fragment), 5 grain

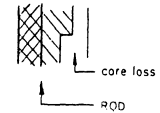
1 (hard) ~ 5 (soft)

1 (fresh) ~ 5 (decomposed)

1 - 7

Figure 1.3 (2/2) GEOLOGIC LOG OF DRILL HOLE

PROJECT										HOLE No. BG-3 (SHEET 2 OF 2)																			
LOCATION					DEPTH OF HOLE					40 m					COMMENCED														
ELEVATION					m					DEPTH OF OVERBURDEN					m					COMPLETED									
COORDINATE										LENGTH OF ROCK DRILLING					m					DRILLED BY									
ANGLE FROM HORIZONTAL					°					TOTAL LENGTH OF CORE					m					LOGGED BY									
BEARING OF ANGLE HOLE										CORE RECOVERY					%														
DEPTH	ROCK NAME	LOG	CORE RECOVERY	CEMENTATION KIND OF BIT CASING	COLOR	WEATHERING	HARDNESS	CORE CUTTING	DESCRIPTION	WATER TABLE	WATER PRESSURE TEST	LEAKAGE OF DRILLING WATER	DEPTH	ELEVATION															
0m			0-100%										0	40m															
1					grey	1	3	1	Pyroclastic flow contact: stick																				
2	Silt				black	3	4	5	21.70 unconformity																				
3	Sandy tuff				grey	3	3	2	(CL) siltstone																				
4						3	4	5	22.7 (CL) sandy tuff																				
5						3	4	5	24.00 (D) very soft rock.																				
6	Lapilli tuff				grey	2	3	1	25.00 (CL) Pumiceous lapilli tuff.																				
7					brownish grey	2	3	1	breakable																				
8									28.80																				
9					reddish micaceous	2	3	1	(CML) Pumiceous tuff																				
10	Pumice tuff								33.00																				
11					grey micaceous	2	3	1	(CL) 33.8~40.0 greenish grey pumice tuff																				
12									35.00 (CL) soft rock																				
13																													
14																													
15																													
16																													
17																													
18																													
19																													
20																													
21																													
22																													
23																													
24																													
25																													
26																													
27																													
28																													
29																													
30																													
31																													
32																													
33																													
34																													
35																													
36																													
37																													
38																													
39																													
40									bottom																				



core loss

ROD

driller's note

1 (stick) 2 (substick) 3 (piece) 4 (fragment) 5 grain

1 (hard) - 5 (soft)

1 (fresh) - 5 (decomposed)

1 - 8

Figure 1.4 (1/3) GEOLOGIC LOG OF DRILL HOLE

PROJECT _____ HOLE No. BG-4 (SHEET 1 OF 3)

LOCATION Los Angeles II DEPTH OF HOLE 60 m COMMENCED 15-V-

ELEVATION 1,060.09 m DEPTH OF OVERBURDEN _____ m COMPLETED 18-V-2000

COORDINATE _____ LENGTH OF ROCK DRILLING _____ m DRILLED BY _____

ANGLE FROM HORIZONTAL 90° TOTAL LENGTH OF CORE _____ m LOGGED BY _____

BEARING OF ANGLE HOLE _____ CORE RECOVERY _____ % W.L. - 24.2 m

DEPTH	ROCK NAME	LOG	CORE RECOVERY	CEMENTATION KIND OF BIT CASING	OBSERVATION OF CORE					WATER TABLE					DEPTH	ELEVATION
					COLOR	WEATHER- ING	HARD- NESS	CORE CUTTING	DESCRIPTION							
0m			0 → 100 %							LUGEON					0m	
1	Ignimbrite (strongly welded)								Top Soil						1	
2									Sandy clay						2	
3									Heavily weathered rock						3	
4									weathered rock						4	
5									CM (do = 100 t/m ²)						5	
6									vertical joint						6	
7									secondary clay						7	
8									CHL						8	
9									Sound rock						9	
0															0	
1															1	
2															2	
3															3	
4															4	
5															5	
6															6	
7															7	
8															8	
9															9	
0															0	

driller's note

1 (stick), 2 (substick), 3 (piece), 4 (fragment), 5 grain

1 (hard) ~ 5 (soft)

1 (fresh) ~ 5 (decomposed)

core loss

RQD

Figure 1.4 (2/3) GEOLOGIC LOG OF DRILL HOLE

PROJECT _____ HOLE No. BG-4 (SHEET 2 OF 3)

LOCATION Los Laurelos II DEPTH OF HOLE 60 m COMMENCED - -

ELEVATION _____ m DEPTH OF OVERBURDEN _____ m COMPLETED - -

COORDINATE _____ LENGTH OF ROCK DRILLING _____ m DRILLED BY _____

ANGLE FROM HORIZONTAL _____ ° TOTAL LENGTH OF CORE _____ m LOGGED BY _____

BEARING OF ANGLE HOLE _____ CORE RECOVERY _____ %

DEPTH	ROCK NAME	LOG	CORE RECOVERY	CEMENTATION KIND OF BIT CASING	OBSERVATION OF CORE					WATER TABLE	WATER PRESSURE TEST	LEAKAGE OF DRILLING WATER	DEPTH	ELEVATION
					COLOR	WEATHERING	HARDNESS	CORE CUTTING	DESCRIPTION					
0m			0 → 100 %										0	>0m
1	Ignimbrite (strongly welded)				grey	2 (3)	2	1	20.2 Vertical joint Joint at rest & 22.4 sec. clay.				1	W. L. 24.2 m
2						6 (5)							2	
3									CM				3	
4									fresh & sound rock.				4	
5													5	
6													6	
7						1	2	1					7	
8													8	
9						2 (6)							9	
10													10	
1	Pyroclastic flow				Miscellaneous patch				32.0 light pinkish grey.				1	
2													2	
3						1	2	1					3	
4						2	4	3	Pyroclastic flow rushed into water				4	
5						2	3	1	34.6 slaking				5	
6									There are flow structures and it breaks biotite crystal.				6	
7						1	2	1					7	
8									There are reaction margin around the glauconite/zenolith.				8	
9													9	
10													10	

driller's note 4

1 (stick), 2 (substick), 3 (piece), 4 (fragment), 5 grain

1 (hard) ~ 5 (soft)

1 (fresh) ~ 5 (decomposed)

core loss

RQD

Figure 1.4 (3/3)

GEOLOGIC LOG OF DRILL HOLE

PROJECT

HOLE No. BG-4 (SHEET 3 OF 3)

LOCATION Los Laureles II DEPTH OF HOLE 60 m COMMENCED - -
 ELEVATION - m DEPTH OF OVERBURDEN - m COMPLETED - -
 COORDINATE - LENGTH OF ROCK DRILLING - m DRILLED BY -
 ANGLE FROM HORIZONTAL -° TOTAL LENGTH OF CORE - m LOGGED BY -
 BEARING OF ANGLE HOLE - CORE RECOVERY - %

DEPTH	ROCK NAME	LOG	CORE RECOVERY	CEMENTATION KIND OF BIT CASING	OBSERVATION OF CORE					WATER TABLE	WATER PRESSURE TEST	LEAKAGE OF DRILLING WATER	DEPTH	ELEVATION
					COLOR	WEATHER- ING	HARD- NESS	CORE CUTTING	DESCRIPTION					
40m			0 → 100 %										0	40m
1	Pyroclastic flow.				reddish miscellaneous patch	1	2	1	fresh and sound rock. ($\approx 120 \text{ t/m}^2$)	(CM)			1	
2													2	
3													3	
4													4	
5													5	
6													6	
7	SS. Tuff					1	3	2	76.3 pinkish grey tuff (CM)	(CL)			7	
8						3	4	2	49.2 blackish brown tuffaceous sandstone forming laminae				8	
9													9	
50	Silty tuff				reddish brown	2	3	1	This formation breaks green tuff material irregularly.	(CL)			50	
1													1	
2													2	
3													3	
4													4	
5													5	
6	Pumice tuff				greenish grey	1	2	1	35.7 Pumiceous tuff (CML) There are not reaction margin around the bed gravel.	(CML)			6	
7													7	
8													8	
9													9	
60													60	
									60.0 bottom					

driller's note 4
 1 (stick), 2 (substick), 3 (piece), 4 (fragment), 5 grain
 1 (hard) ~ 5 (soft)
 1 (fresh) ~ 5 (decomposed)
 core loss
 RQD

Figure 1.5 (1/3)

GEOLOGIC LOG OF DRILL HOLE

PROJECT

HOLE No. BG-5 (SHEET 1 OF 3)

LOCATION Los Laurelos II DEPTH OF HOLE 60 m COMMENCED 11-V-
 ELEVATION 1,084.51 m DEPTH OF OVERBURDEN _____ m COMPLETED 14-V-2000
 COORDINATE _____ LENGTH OF ROCK DRILLING _____ m DRILLED BY _____
 ANGLE FROM HORIZONTAL -90° TOTAL LENGTH OF CORE _____ m LOGGED BY _____
 BEARING OF ANGLE HOLE _____ CORE RECOVERY _____ % W.L. -39.4 m

DEPTH	ROCK NAME	LOG	CORE RECOVERY	CEMENTATION KIND OF BIT CASING	OBSERVATION OF CORE					WATER TABLE			DEPTH	ELEVATION													
					COLOR	WEATHER- ING	HARD- NESS	CORE CUTTING	DESCRIPTION	WATER PRESSURE TEST																	
0m			0 → 100 %								LUGEON			40	0m												
1	Ignimbrite (strongly welded)			φ 76 mm					0.4	Top soil																	
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											



driller's note 4

1 (stick), 2 (substick), 3 (piece), 4 (fragment), 5 grain

1 (hard) ~ 5 (soft)

1 (fresh) ~ 5 (decomposed)

Figure 1.5 (2/3) GEOLOGIC LOG OF DRILL HOLE

PROJECT										HOLE No. <u>BG-5</u> (SHEET <u>2</u> OF <u>3</u>)									
LOCATION <u>Los Laureles II</u>					DEPTH OF HOLE <u>60</u> m					COMMENCED <u>-</u> <u>-</u>									
ELEVATION <u> </u> m					DEPTH OF OVERBURDEN <u> </u> m					COMPLETED <u>-</u> <u>-</u>									
COORDINATE <u> </u>					LENGTH OF ROCK DRILLING <u> </u> m					DRILLED BY <u> </u>									
ANGLE FROM HORIZONTAL <u> </u> °					TOTAL LENGTH OF CORE <u> </u> m					LOGGED BY <u> </u>									
BEARING OF ANGLE HOLE <u> </u>					CORE RECOVERY <u> </u> %														
DEPTH	ROCK NAME	LOG	CORE RECOVERY	CEMENTATION KIND OF BIT CASING	OBSERVATION OF CORE					WATER TABLE			DEPTH	ELEVATION					
					COLOR	WEATHERING	HARDNESS	CORE CUTTING	DESCRIPTION	WATER PRESSURE TEST	LEAKAGE OF DRILLING WATER								
0m			0 → 100%										0	40 → 0m					
1	<u>Ignimbrite (strongly welded)</u>								20.2m = calcite clay (CM)				1						
2								1					2						
3													3						
4									24.0				4						
5									Vertical joint with calcite clay				5						
6									25.0				6						
7									26.3				7						
8									26.75 rust				8						
9									27.9m = calcite clay (CM)				9						
10									26.75 ~ 32.2m: brown ~ pinkish Xenoliths, pumice.				10						
1	<u>Pyroclastic flow</u>												1						
2													2						
3									32.2				3						
4									fresh & sound rock.				4						
5									34.6 (CM)				5						
6									34.6 ~ 47.5m: soft (CL)				6						
7									36.7 34.6 ~ 34.8m = slaking				7						
8									35.2 ~ 36.7m = slaking				8						
9									36.7 ~ 45.0m: CML (40 ~ 80% m)				9						
10													10						

core loss

RQD

driller's note

1 (stick), 2 (substick), 3 (piece), 4 (fragment), 5 grain

1 (hard) ~ 5 (soft)

1 (fresh) ~ 5 (decomposed)

Figure 1.5 (3/3) GEOLOGIC LOG OF DRILL HOLE

PROJECT										HOLE No. BG-5 (SHEET 3 OF 3)									
LOCATION <u>Los Lunas II</u>					DEPTH OF HOLE <u>60</u> m					COMMENCED <u>-</u>									
ELEVATION <u>-</u> m					DEPTH OF OVERBURDEN <u>-</u> m					COMPLETED <u>-</u>									
COORDINATE <u>-</u>					LENGTH OF ROCK DRILLING <u>-</u> m					DRILLED BY <u>-</u>									
ANGLE FROM HORIZONTAL <u>-</u> °					TOTAL LENGTH OF CORE <u>-</u> m					LOGGED BY <u>-</u>									
BEARING OF ANGLE HOLE <u>-</u>					CORE RECOVERY <u>-</u> %														
DEPTH	ROCK NAME	LOG	CORE RECOVERY	CEMENTATION KIND OF BIT CASING	OBSERVATION OF CORE				DESCRIPTION	WATER TABLE		DEPTH	ELEVATION						
					COLOR	WEATHERING	HARDNESS	CORE CUTTING		WATER PRESSURE TEST	LEAKAGE OF DRILLING WATER								
0m			0 → 100%									0							
1	Pyroclastic flow				gray	1	3	1											
2																			
3																			
4																			
5	Md. Pyroclastic flow				gray	2	3	1											
6																			
7																			
8																			
9	Sandy tuff (capilli)				light reddish brown	2	3	1											
10																			
11																			
12																			
13	Sandy tuff (capilli)				light reddish brown	2	3	1											
14																			
15																			
16																			
17	Sandy tuff (capilli)				light reddish brown	2	3	1											
18																			
19																			
20																			
21	Sandy tuff (capilli)				light reddish brown	2	3	1											
22																			
23																			
24																			
25	Sandy tuff (capilli)				light reddish brown	2	3	1											
26																			
27																			
28																			
29	Sandy tuff (capilli)				light reddish brown	2	3	1											
30																			
31																			
32																			
33	Sandy tuff (capilli)				light reddish brown	2	3	1											
34																			
35																			
36																			
37	Sandy tuff (capilli)				light reddish brown	2	3	1											
38																			
39																			
40																			
41	Sandy tuff (capilli)				light reddish brown	2	3	1											
42																			
43																			
44																			
45	Sandy tuff (capilli)				light reddish brown	2	3	1											
46																			
47																			
48																			
49	Sandy tuff (capilli)				light reddish brown	2	3	1											
50																			
51																			
52																			
53	Sandy tuff (capilli)				light reddish brown	2	3	1											
54																			
55																			
56																			
57	Sandy tuff (capilli)				light reddish brown	2	3	1											
58																			
59																			
60																			