

DRILLING RECORD

AREA: LOWER PIEMAN INVESTIGATION		CO-ORDINATES:	E:	N:	HOLE No. 6391
LOCATION: DELVILLE SADDLE			ON LINE: A21/A22	BEARING: 0°00	
GEOLOGICAL PLAN: SURVEY PLAN:		AT STN: A21	BEARING: 180°15	DIST: 122'	FILE No.
DATES (a) DRILLED: 10-5-63 18-12-63 (b) WATER TABLE:		SURFACE	COLLAR	WATER TABLE	SHEET 1 OF 3 SHEETS
METHOD: Percussion & DD DIAMETER: 6" Nm. 8m.		346			
SITE REMARKS: Contract Number DS.104		HOLE DRILLED	ANGLE FROM HORIZONTAL	DIRECTION	
		VERT./HOR./DIE	90°		

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY	GRAPHIC LOG	JOINTS No. Per Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	REMARKS
				20 40 60 80 100						
0					✓					<p style="text-align: center;">Percussion drill used down to 82'0"</p> <p>0'0" - 79'0" Jar and chip samples taken.</p> <p>Brown sandy clay with fragments of basalt up to 6" long.</p> <p style="text-align: center;">Weathered basalt.</p> <p style="text-align: center;">Percussion Drill</p> <p>79'0" - 82'4" Hard fresher basalt. Diamond drill used below 82'0".</p> <p>82'4" - 112'0" No Core. Driller reports soft brown silty and sandy clay with small pebbles between 106' & 112'</p>
5				✓						
10				✓						
15				✓						
20				✓						
25				✓						
30				✓						
35				✓						
40				✓						
45				✓						
50				✓						
55				✓						
60				✓						
65				✓						
70				✓						
75				✓						
80				✓						
82.4				✓						
85				✓						
90				✓						
95				✓						
100				✓						

DRILLING RECORD

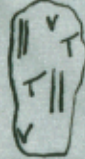
AREA: LOWER PIEMAN INVESTIGATION		POSITION	CO-ORDINATES: E.	N.	HOLE No. 6391
LOCATION: DELVILLE SADDLE			ON LINE:	BEARING:	
GEOLOGICAL PLAN: SURVEY PLAN:		LEVEL	AT STN:	BEARING:	DIST:
DATES (a) DRILLED: 10-5-63 18-12-63 (b) WATER TABLE:			SURFACE	COLLAR	WATER TABLE
METHOD: Percussion & D.D. DIAMETER: 6", Nm, Bm.		INCL.	346		SHEET 2 OF 3 SHEETS
SITE REMARKS: Contract Number D.S.104			HOLE DRILLED	ANGLE FROM HORIZONTAL	
		VERT./HOR./INC.	90°		

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY %	GRAPHIC LOG	JOINTS No. Per Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	REMARKS
10'					••••		None			Lost water return at 101' above 112' see sheet 1.
105'					••••					112'0" - 137'0" Core shows fragments of chert and yellow mudstone with variable jointing (possibly cleavage in part.) Driller reports light brown clay and quartz pebbles. It appears that material is sub-basaltic sediments which contain larger blocks of older rocks.
110'					••••					
115'					••••					
120'					••••					
125'					••••					
130'					••••					
135'					••••					137'0" - 166'0" No Core. Driller reports soft brown sandy clay washing away in the drilling.
140'					••••					
145'					••••					
150'					••••					
155'					••••					
160'					••••					
165'					••••					
170'					••••					166'0" - 167'0" Yellow mudstone as above.
175'					••••					167'0" - 175'3" Brown and yellow weathered slate and what appears to resemble a volcanic phase of the Bernafé Volcanic Formation. It appears that blocks of this material occur in the sub-basaltic sediments.
180'					••••					
185'					••••					
190'					••••					
195'					••••					
200'					••••					

N

B

19" CORE RECOVERED.



DRILLING RECORD

AREA: LOWER PIEMAN INVESTIGATION		CO-ORDINATES:	E:	N:	HOLE No. 6391
LOCATION: DELVILLE SADDLE			ON LINE:	BEARING:	
GEOLOGICAL PLAN: SURVEY PLAN:		AT STN:	BEARING:	DIST:	FILE No.
DATES (a) DRILLED: 10-5-63 18-12-63 (b) WATER TABLE:		SURFACE	COLLAR	WATER TABLE	
METHOD: Percussion & D.D. DIAMETER: 6", Nm, Bm.		346			SHEET 3 OF 3 SHEETS
SITE REMARKS: Contract Number D.S. 104.		HOLE DRILLED	ANGLE FROM HORIZONTAL	DIRECTION	
		INCL. VERT./HOR./TWT	90°		

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY	GRAPHIC LOG	JOINTS No. Per Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	REMARKS
				0 20 40 60 80 100						
20'					☞					<p>175' - 242' Core shows fragments of chert up to 3" long. Driller reports hard blue rock boulders & soft sandy clay. Hole caving badly. This material is either sub-basaltic sediments or debris occurring in caverns in dolomite.</p>
20.5'										
21'										
21.5'										
22'										
22.5'										
23'										
23.5'										
24'										
24.5'										
25'					☞					<p>242' - 260' Core shows fragments of grey and white dolomite up to 3" long. Driller reports soft sandy clay and small pebbles. This material is probably debris occurring in caverns in dolomite, or weathered dolomite.</p> <p style="text-align: center;">Hole Completed at 260' Logged by R.P. Mather.</p>
25.5'										
26'										
26.5'										
27'										
27.5'										
28'										
28.5'										
29'										
29.5'										
30'										

B.

3"

3"
6"

