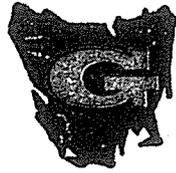


DFK



INVESTIGATION AND ESTIMATE
OF LIMESTONE RESERVES
AT RAILTON
DECEMBER 1974

INVESTIGATION AND ESTIMATE

OF

LIMESTONE RESERVES

AT

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GOLIATH PORTLAND CEMENT COMPANY LIMITED

LIMESTONE RESERVES

In the period of 47 years from 1927 to the present date, some 107 drill holes have been put down within the boundaries of the Company's property in order to determine the limestone deposit at Railton. These holes have generally been drilled by the Mines Department of Tasmania and have varied from diamond drill holes to Gemco auger holes dependent on the type of rig available at the time of drilling. In consequence the depth of penetration into the limestone deposit varies considerably from the various drillings.

The following pages present a summary of all drill holes showing Hole Number arranged as a sequence number and year of drilling e.g. 2/27 is hole number 2 in 1927, Reduced Level of surface expressed in feet, Reduced Level at which solid limestone was intercepted and finally the Reduced Level at which drilling ceased. The summary is then followed by a separate drilling log for each hole in which are given details of core and analyses of the limestone core when such analyses have been carried out.

Drawing Number 3183 included as Appendix A shows the extent of the Company's property, and the location of the existing quarry and its relation to the present manufacturing plant.

Drawings Number 3094 and 3095 included as Appendix B show the location of all drill holes and surface level as well as Reduced Level at which solid limestone was intercepted. It should be noted that in a number of cases quarry operations to date have already progressed below the depths of the earlier drillings. However the information originally obtained is still relevant in determining the limestone deposit. It should also be noted that the greater number of holes drilled in the areas close to the existing quarry enable more accurate predictions of the limestone deposit to be made in this area.

Drawings Number 3096 and 3097 included as Appendix C again shows the location of all drill holes and the depth of overburden above the limestone deposit calculated from natural surface level and Reduced Level of solid limestone. Super-imposed on these drawings are contours of overburden depth, predicted from the calculated depths of overburden and original ground levels before quarry operations commenced.

On the basis of these contours the future development and extension of the quarry has been shown on Drawing Number 3093 included as Appendix D.

The area proposed for extension of the quarry is generally that with the lowest depth of overburden except for portion of the present overburden dump.

The proposed development of the quarry envisages eventually reaching Number 12 level at a Reduced Level of -303 feet related to plant datum, or 210 feet below sea level.

Three diamond drill holes have been sunk to a Reduced Level of -223 feet in solid limestone to prove the existence of suitable limestone at least to No. 10 level of the future quarry. On this basis approximately 29 million tonnes of high grade limestone is available from development of the quarry as proposed down to No. 10 level.

A further 3 million tonnes of limestone is available from the No. 11 and 12 levels of proposed quarry development.

On the basis of the suggested contours predicted from the limited drill holes on the Company land to the West and North West of the present quarry, it is estimated that a further 100 million tonnes of limestone is available by development of a future quarry in this area. However this would necessitate the removal of greater quantities of clay and overburden due to the increased depth of solid limestone below the surface level.

December 1974

GOLIATH PORTLAND CEMENT COMPANY LIMITED

SUMMARY OF DRILL HOLES

<u>Hole No.</u>	<u>R.L. of Surface</u>	<u>R.L. of Stone</u>	<u>R.L. Bottom of Hole</u>
1/27	125.00	117.00	-75.00
2/27	230.00	55.00	- 7.00
3/27	215.00	158.00	70.00
4/27	229.00	223.00	118.00
5/27	164.00	99.00	59.00
6/37	164.40	69.90	-69.60
7/37	175.09	below -16.91	-16.91
8/37	204.00	118.00	0.00
9/37	193.97	below 81.97	81.97
10/37	219.64	84.64	19.64
11/37	189.65	51.65	2.65
12/37	212.25	113.25	13.25
13/37	180.34	104.34	-19.66
14/38	174.00	123.00	-26.00
15/38	152.00	below 47.00	47.00
16/38	145.00	77.00	-57.00
17/38	147.00	74.00	-49.00
18/38	106.00	60.00	-13.00
19/38	98.00	58.50	- 5.00
20/38	106.00	55.00	-30.00
21/38	130.00	130.00	73.00
22/38	130.00	130.00	63.00
23/38	130.00	130.00	80.50
1/58	143.00	78.00	-52.00
2/58	123.00	43.00	-77.00
3/58	89.00	18.00	-26.00
1/59	16.30	16.30	-183.70
2/59	16.30	16.30	-61.47
3/59	16.30	16.30	-78.96
4/59	145.50	93.84	20.50
5/59	138.50	71.75	37.50
6/59	210.00	54.00	35.00
1/60	169.70	30.37	22.70
2/60	143.20	5.20	-10.22
3/60	157.50	-16.50	-57.50
4/60	171.90	38.90	29.90
5/60	216.10	below - 9.90	9.90
6/60	98.40	85.65	69.40
7/60	97.30	83.80	below 83.80
1/62	144.90	77.00	below 77.00
2/62	136.60	69.60	38.10
3/62	149.10	86.00	below 86.00
4/62	147.90	85.00	below 85.00
5/62	147.40	72.73	below 72.73
6/62	143.80	29.00	below 29.00
7/62	139.10	77.00	below 77.00
8/62	137.40	59.00	below 59.00
9/62	128.10	56.00	below 56.00
10/62	104.00	56.00	below 56.00
11/62	107.50	below 60.00	60.00
12/62	105.80	16.00	below 16.00
13/62	107.70	40.00	below 40.00
14/62	108.30	43.00	below 43.00
15/62	97.40	68.00	below 68.00
16/62	97.50	81.00	below 81.00
17/62	98.50	74.00	below 74.00

Cont'd...../2.

<u>Hole No.</u>	<u>R.L. of Surface</u>	<u>R.L. of Stone</u>	<u>R.L. Bottom of Hole</u>
1/63	99.20	78.00	74.20
2/63	100.00	92.00	90.00
3/63	100.50	86.00	83.00
4/63	105.00	37.00	below 37.00
5/63	106.29	81.04	78.29
6/63	105.36	75.00	72.36
7/63	102.67	62.00	58.67
8/63	101.52	51.00	48.52
9/63	100.15	65.00	below 65.00
10/63	97.32	75.65	below 75.65
11/63	173.00	35.00	below 35.00
12/63	174.00	14.00	below -6.00
13/63	175.00	-15.00	below -18.00
1/72	116.86	62.70	55.20
2/72	119.11	below -36.22	-36.22
3/72	59.62	below -54.88	-54.88
4/72	70.52	21.94	18.77
5/72	111.71	82.46	70.29
1/73	88.83	25.33	21.83
2/73	79.63	below 6.63	6.63
3/73	76.03	15.53	8.53
4/73	68.63	6.63	-2.37
5/73	55.93	14.93	9.93
6/73	77.13	below -27.87	-27.87
7/73	118.83	below 35.83	35.83
8/73	102.93	below -27.07	-27.07
9/73	89.43	below -39.57	-39.57
1/74	75.78	-13.22	-22.22
2/74	71.05	3.55	- 1.45
3/74	92.79	75.79	67.79
4/74	105.62	86.62	76.62
5/74	94.02	23.02	18.02
6/74	99.80	- 7.20	-12.70
7/74	106.67	75.17	59.67
8/74	104.42	38.42	32.08
9/74	111.09	51.09	44.09
10/74	117.67	50.67	38.67
11/74	122.81	81.81	72.81
12/74	-20.07	-20.07	-225.13
13/74	-20.74	-20.74	-223.04
14/74	-21.66	-21.66	-226.52
15/74	104.13	62.56	54.03
16/74	182.13	69.50	61.95
17/74	188.73	74.52	67.73
18/74	77.23	1.98	- 6.77
19/74	100.43	39.93 (not solid stone)	-33.54
20/74	105.83	76.33	-18.85
21/74	107.83	84.34	-136.83
22/74	181.03	42.31 (32ft thick only)	-89.47
23/74	101.83	Hole not drilled	
24/74	99.13	4.63	-36.04

Note:

1. The above R.L.'s are based on level of plant datum taken as R.L. 100.00.
To convert to a correct R.L. above sea level add 93.07 ft.

2. The R.L.'s of various floor levels of existing quarry based on plant datum of R.L. 100.00 are as follows

No. 3 Level	57.00	approx
No. 4 Level	17.00	"
No. 5 Level	-23.00	"
No. 6 Level	-63.00	"
Future No. 7 Level	-103.00	"
Future No. 8 Level	-143.00	"
Future No. 9 Level	-183.00	"
Future No. 10 Level	-223.00	"

Drilling Log

Hole No. 1/27

Commenced: 10/6/27

Completed: 9/8/27

Location: 1613 ft East, 748 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	125.00		
8'0"	117.00	Struck limestone	
15'0"	110.00	Solid limestone	
16'0"	109.00	Clay	
21'0"	104.00	Solid limestone	
23'0"	102.00	Clay	
200'0"	-75.00	Solid limestone	

End of Hole R.L. - 75.00

Drilling Log

Hole No. 2/27

Commenced: 1927 - Actual date not recorded

Completed: 20/5/37

Location: 1031 ft East, 178 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO</u>
Surface	230.00)	Originally drilled 1927	
	)	No information in GPC files	
)		
165'0"	65.00)		
170'0"	60.00	No core	
175'0"	55.00	5'0" solid stone	
180'0"	50.00	Full core solid stone	87.7%
190'0"	40.00	" " " "	
205'0"	25.00	" " " "	
221'0"	9.00	" " " "	90.9%
237'0"	-7.00	" " " "	

End of Hole R.L. -7.00

Reported but not confirmed as limestone at R.L. 224.00

Drilling Log

Hole No. 3/27

Commenced: 1927 - Actual date not recorded

Completed: " " " " "

Location: 1336 ft East, 197 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	215.00		
57'0"	158.00	Struck limestone	90%
145 0"	70.00		

End of Hole R.L. 70.00

Drilling Log

Hole No. 4/27

Commenced: 1927 - Actual date not recorded

Completed: 1927 " " " "

Location: 1141 ft East, 390 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>
Surface	229.00	
6'0"	223.00	Struck limestone
46'0"	183.00	Solid limestone
111'0"	118.00	Broken limestone

End of Hole R.L. 118.00

Drilling Log

Hole No. 5/27

Commenced: 1927 - Actual date not recorded
Completed: 1927 " " " "
Location: 1564 ft East, 75 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	164.00		
65 0"	99.00	Struck limestone	90%
105 0"	59.00		

End of Hole R.L. 59.00

Drilling LogHole No. 6/37Commenced: 9/2/37Completed: 24/2/37Location: 935' East, 603' North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	164.40		
16'6"	147.90	Clay	
37'0"	127.40	Clay	
52'0"	112.40	Broken Limestone	
53'0"	111.40	Solid Limestone)
54'0"	110.40	Broken ")
55'0"	109.40	" ")
73'0"	91.40	16'0" Limestone with 3 clay seams)	92.35%
77'0"	87.40	9" Limestone - Cave)
84'0"	80.40	Cave)
94'6"	69.90	Bottom of Cave)	
108'6"	55.90	Solid Limestone)	
111'0"	53.40	Broken ")	
113'0"	51.40	Solid ")	91.50%
129'6"	34.90	" ")	
134'0"	30.40	" ")	
140'0"	24.40	Solid Limestone)	
163'6"	0.90	Solid Limestone with a few streaks) of calcite	) 88.85%
179'0"	-14.60	Solid Limestone)	
184'0"	-19.60	" ")	
189'0"	-24.60	Solid Limestone)	
208'0"	-43.60	" ")	
228'0"	-63.60	Solid Limestone with a few streaks) of calcite	) 86.97%
234'0"	-69.60	Solid Limestone)	
End of Hole	R.L. - 69.60		

Drilling Log

Hole No. 7/37

Commenced:

27/2/37

Hole abandoned on 11/3/37

New hole commenced alongside old one on 12/3/37
and completed on 7/4/37.

Location:

930 ft East, 188 ft South referred to plant base lines.

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	175.09		
19'0"	156.09	Limestone boulder	
23'0"	152.09	Clay	
24'0"	151.09	Broken Limestone	
28'0"	147.09	1'5" Weathered Stone	
35'0"	140.09	Weathered Stone	
41'0"	134.09	1'0" Broken Limestone	
45'0"	130.09)		
50'0"	125.09)	5'0" Broken Limestone)
60'0"	115.09	3'3" " ")
72'0"	103.09	6'0" Fairly Solid Limestone)
82'0"	93.09	2'0" Very Broken "	) 79.2%
87'0"	88.09	1'0" " " ")
92'0"	83.09	4'0" Fairly Solid ")
95'0"	80.09)		
97'0"	78.09)	4'0" Fairly Solid Limestone)	
102'0"	73.09	6" Very Broken Limestone)
109'0"	66.09	5'0" Fairly Solid Limestone)	
118'0"	57.09	6'0" " " ")
123'0"	52.09	3'0" Broken Limestone)
128'0"	47.09	1'6" " "	) 83.0%
132'0"	43.09	3'6" Solid Limestone)
136'0"	39.09	2'0" Broken ")
143'0"	32.09	2'0" " ")
145'0"	30.09)	2'9" very broken stone with)
156'0"	19.09)	clay)
161'0"	14.09	2'0" very broken stone	) 83.0%
168'0"	7.09	1'6" very broken stone)
172'0"	3.09))
175'0"	0.09)	11" very broken stone)
182'0"	- 6.91		) 51.0%
185'0"	- 9.91	1'9" very broken stone)
191'0"	-15.91	Low grade stone and basalt	) 33.15%
192'0"	-16.91	Low grade limestone	29.0%

End of Hole

R.L. - 16.91

Drilling Log

Hole No. 8/37

Commenced: 9/4/37

Completed: 21/4/37

Location: 636 ft East, 200 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	204.00		
28'0"	176.00	Clay	
35'0"	169.00	Basalt	
36'0"	168.00	Clay	
60'0"	144.00	Clay	
76'0"	128.00	Clay	
83'0"	121.00	6" Limestone)
86'0"	118.00	1 0" clay 2'0" cave)
94'0"	110.00	8'0" solid limestone	) 86.80%
115'0"	89.00	21'0" " ")
124'0"	80.00	9'0" " ")
129'0"	75.00	5'0" " ")
143'0"	61.00	14'0" " ")
153'0"	51.00	10'0" " "	) 78.65%
166'0"	38.00	13'0" " ")
174'0"	30.00	8'0" " ")
182'0"	22.00	8'0" " ")
204'0"	0.00	22'0" " "	) 85.80%

End of Hole R.L. 0.00

Drilling LogHole No. 9/37Commenced: 23/4/37Completed: 6/5/37Location: 640 ft East, 138 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	193.97		
16'0"	177.97	Clay	
37'0"	156.97	2" broken limestone	
47'0"	146.97	8" " ")	
50'0"	143.97	1'8" broken limestone)	76.85%
54'0"	139.97	8" " ")	
65'0"	128.97	3'0" " ")	
69'0"	124.97	1'3" broken limestone)	
72'0"	121.97	3'0" " ")	
78'0"	115.97	1'6" " ")	
86'0"	107.97	3'0" " ")	77.4%
89'0"	104.97	2'6" " ")	
94'0"	99.97	5'0" solid limestone)	
99'0"	94.97	4'0" broken limestone)	
102'0"	91.97	2'0" broken stone and hard clay	
109'0"	84.97	No core	
112'0"	81.97	No core	

End of Hole R.L. 81.97

Drilling Log

Hole No. 10/37

Commenced: 24/5/37

Completed: 11/6/37

Location: 783 ft East, 25 ft North referred to plant base lines

<u>Drill Depth</u>	<u>RL.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	219.64		
20'0"	199.64	Clay	
26'0"	193.64	Clay	
38'6"	181.14	6" of Limestone	
42'0"	177.64	No core	
52'0"	167.64	No core	
53'0"	166.64	Limestone)
57'0"	162.64	12" broken stone)
64'0"	155.64	No core)
68'0"	151.64	Solid limestone)
69'0"	150.64	8" limestone	) 81.75%
74'0"	145.64	No core)
76'0"	143.64	2'0" broken limestone)
83'0"	136.64	2'0" " ")
89'6"	130.14	20" broken limestone)
97'6"	122.14	18" " ")
107'6"	112.14	5'6" " ")
115'6"	104.14	2'6" " ")
119'6"	100.14	1'6" " ")
124'0"	95.64	1'6" " "	) 86.35%
128'0"	91.64	1'6" " ")
135'0"	84.64	1'3" " ")
139'6"	80.14	Full core solid limestone)
146'0"	73.64	" " " ")
161'0"	58.64	" " " "	) 87.75%
179'0"	40.64	" " " ")
200'0"	19.64	" " " ")
End of Hole	R.L.	19.64	

Drilling Log

Hole No. 11/37

Commenced: 16/6/37

Hole abandoned on 22/6/37 at 142 0" below surface
New hole commenced alongside old one on 1/7/37

Completed: 12/7/37

Location: 785 ft East, 400 ft North referred to plant base lines

<u>Drill Depth</u>	<u>RL</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	189.65		
14'0"	175.65	Clay and pebbles	
50'0"	139.65	" " "	
60'0"	129.65	" " "	
137'0"	52.65	Clay	
138'0"	51.65	Struck limestone	
155'0"	34.65	Full core solid limestone)	
165'0"	24.65	" " " ")	
180'0"	9.65	" " " ")	
185'0"	4.65	" " " ")	87.7%
187'0"	2.65	" " " ")	

End of Hole R.L. 2.65

Drilling Log

Hole No. 12/37

Commenced: 13/11/37

Completed: 4/12/37

Location: 1090 ft East, 31 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	212.25		
20'0"	192.25	Clay	
43'0"	169.25	Clay with basalt boulder	
91'0"	121.25	Clay	
93'0"	119.25	Limestone - entered cave	
99'0"	113.25	Struck limestone	
104'0"	108.25		
109'0"	103.25	Full core solid limestone)	
114'0"	98.25	" " " ")	
119'0"	93.25	" " " ")	
129'0"	83.25	" " " ")	82.8%
144'0"	68.25	" " " ")	
149'0"	63.25	" " " ")	
159'0"	53.25	" " " ")	
174'0"	38.25	" " " ")	
189'0"	23.25	" " " ")	89.4%
199'0"	13.25	" " " ")	

End of Hole R.L. 13.25

Drilling Log

Hole No. 13/37

Commenced: 8/12/37

Completed: 15/1/38

Location: 1291' East, 187' South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	180.34		
25'0"	155.34	Clay	
40'0"	140.34	Clay with basalt	
43'9"	136.59	Basalt 3'6"	
47'9"	132.59	Clay and pebbles	
58'0"	122.34	Clay with basalt	
60'0"	120.34	Clay and gravel	
62'0"	118.34	" " "	
65'0"	115.34	" " "	
76'0"	104.34	" " "	
79'0"	101.34	Full core solid limestone)	
87'0"	93.34	" " " ")	
97'0"	83.34	" " " ")	90.0%
101'0"	79.34	" " " ")	
112'0"	68.34	" " " ")	
122'0"	58.34	" " " ")	
137'0"	43.34	" " " ")	
148'0"	32.34	" " " ")	92.6%
160'0"	20.34	" " " ")	
163'0"	17.34	" " " ")	
177'0"	3.34	" " " ")	
192'0"	-11.66	" " " ")	92.4%
200'0"	-19.66	" " " ")	

End of Hole R.L. - 19.66

Drilling Log

Hole No. 14/38

Commenced: 21/1/38

Completed: 11/2/38

Location: 1565 ft East, 184 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	174.0		
25'0"	149.00	Clay	
40'0"	134.00	Clay 12" Limestone	
44'0"	130.00		
51'0"	123.00	Struck limestone)
53'0"	121.00	18" limestone)
64'0"	110.00	Solid limestone)
65'6"	108.50	Clay)
70'0"	104.00	Solid limestone	) 90.2%
80'0"	94.00	Full core solid limestone)
93'0"	81.00	" " " ")
94'0"	80.00	" " " ")
113'0"	61.00	" " " ")
121'0"	53.00	" " " ")
141'0"	33.00	" " " "	) 90.5%
144'0"	30.00	" " " ")
156'0"	18.00	" " " ")
175'0"	-1.00	" " " ")
193'0"	-19.00	" " " "	) 84.6%
200'0"	-26.00	" " " ")
End of Hole	R.L. - 26.00		

Drilling Log

Hole No. 15/38

Commenced: 14/2/38

Completed: 18/3/38

Location: 1427 ft East, 338 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	152.00		
20'0"	132.00	Clay and 9" basalt	
50'0"	102.00	Clay and 5' basalt	
73'0"	79.00	Clay	
87'0"	65.00	3" basalt and quartzite pebbles	
92'0"	60.00	3'0" broken limestone	
103'0"	49.00	Broken limestone and basalt	
105'0"	47.00	Basalt and quartzite pebbles	

End of Hole R.L. 47.00

Drilling Log

Hole No. 16/38

Commenced: 18/2/38

Completed: 5/3/38

Location: 1758 ft East, 21 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	145.00		
7'0"	138.00	Clay	
12'0"	133.00	Clay	
30'0"	115.00	"	
50'0"	95.00	"	
68'0"	77.00	Clay - struck stone	
76'0"	69.00	Solid limestone)	
89'0"	56.00	" ")	
106'0"	39.00	" ")	85.7%
114'0"	31.00	" ")	
115'0"	30.00	" ")	
130'0"	15.00	" ")	
146'0"	- 1.00	" ")	
162'0"	-17.00	" ")	89.7%
165'0"	-20.00	" ")	
179'0"	-34.00	" ")	
193'0"	-48.00	" ")	91.0%
202'0"	-57.00	" ")	
End of Hole	R.L. - 57.00		

Drilling Log

Hole No. 17/38

Commenced: 22/3/38

Completed: 5/4/38

Location: 1949 ft East, 550 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	147.00		
18'0"	129.00	Clay	
52'0"	95.00	Clay	
73'0"	74.00	Solid limestone	
93'0"	54.00	" "	
103'0"	44.00	" "	88.0%
117'0"	30.00	" "	
119'0"	28.00	" "	
136'0"	11.00	" "	
152'0"	- 5.00	" "	78.2%
160'0"	-13.00	" "	
167'0"	-20.00	" "	
176'0"	-29.00	" "	77.3%
196'0"	-49.00	" "	
End of Hole	R.L. - 49.00.		

Drilling Log

Hole No. 18/38

Commenced: 8/4/38

Completed: 20/4/38

Location: 1704 ft East, 1031 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	106.00		
35'0"	71.00	Clay	
46'0"	60.00	Struck limestone	
52'0"	54.00	Solid limestone)
56'0"	50.00	Break in stone - clay)
66'0"	40.00	Struck limestone	) 84.6%
72'0"	34.00	Solid limestone)
76'0"	30.00	" ")
90'0"	16.00	" ")
108'0"	- 2.00	" "	) 84.3%
119'0"	-13.00	" ")
End of Hole	R.L. -13.00		

Drilling Log

Hole No. 19/38

Commenced: 22/4/38

Completed: 2/5/38

Location: 1441 ft East, 1162 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	98.00		
37'0"	61.00	Struck limestone	
39'6"	58.50	Break in stone)	
40'6"	57.50	Solid limestone)	
42'0"	56.00	" ")	86.7%
54'0"	44.00	" ")	
67'0"	31.00	" ")	
69'0"	29.00	" ")	
84'0"	14.00	" ")	
92'0"	6.00	" ")	84.4%
103'0"	-5.00	" ")	
End of Hole	R.L. - 5.00		

Drilling Log

Hole No. 20/38

Commenced: 4/5/38

Completed: 13/5/58

Location: 2063 ft East, 803 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	106.00		
32'0"	74.00	Clay	
51'0"	55.00	Clay - struck limestone	
52'0"	54.00	Limestone)
54'6"	51.50	Struck clay)
56'0"	50.00	Struck limestone)
61'6"	44.50	18" core of stone	) 85.3%
66'0"	40.00	Solid limestone)
72'0"	34.00	" ")
76'0"	30.00	" ")
77'0"	29.00	Clay)
87'0"	19.00	Solid limestone)
100'0"	6.00	" ")
116'0"	-10.00	" "	) 83.6%
131'0"	-25.00	" ")
136'0"	-30.00	" ")

End of Hole R.L. - 30.00

Drilling Log

Hole No. 21/38

Commenced: 16/5/38

Completed: 20/5/38

Location: 1174 ft East, 364 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	130.00	Quarry floor level	
3'0"	127.00	Solid limestone	
13'0"	117.00	" "	
25'0"	105.00	" "	
30'0"	100.00	" "	
36'0"	93.50	Entered cave	
41'0"	89.00	End of cave	
57'0"	73.00	Solid limestone	

End of Hole R.L. 73.00

Drilling LogHole No. 22/38Commenced: 23/5/38Completed: 30/5/38Location: 1187 ft East, 213 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	130.00	Quarry floor	
14'6"	115.50	Clay - struck stone	
20'0"	110.00	Solid limestone)	
25'0"	105.00	" ")	83.4%
36'0"	94.00	" ")	
47'0"	83.00	" ")	82.5%
51'0"	79.00	" "	90.7%
67'0"	63.00	" "	89.3%
End of Hole	R.L. 63.00		

Drilling Log

Hole No. 23/38

Commenced: 26/5/38

Completed: 29/5/38

Location: 1174 ft East, 568 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	130.00	Quarry floor level	
5'0"	125.00	Stone)	
20'0"	110.00	Broken limestone)	89.3%
21'0"	109.00	" ")	
35'0"	95.00	" " }	
37'0"	93.00	" " }	90.5%
47'6"	82.50	Clay)	
49'6"	80.50	Solid limestone)	91.1%
End of Hole	R.L. 80.50		

Drilling LogHole No. 1/58

Commenced: 1958 Actual date not recorded
Completed: 1958 " " " "
Location: 2390 ft West, 1150 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	148.00		
10'0"	138.00	Pebbly limestone	90.1%
20'0"	128.00	Limestone and clay	91.3%
30'0"	118.00	Pebbly limestone	92.0%
40'0"	108.00	" "	94.0%
50'0"	98.00	" "	93.1%
60'0"	88.00	" "	96.0%
70'0"	78.00	Limestone	93.2%
80'0"	68.00	Pebbly limestone	94.1%
90'0"	58.00	Limestone	94.8%
100'0"	48.00	Limestone (10% calcite)	93.9%
110'0"	38.00	Limestone	91.6%
120'0"	28.00	Limestone and clay	37.1%
130'0"	18.00	Broken limestone	75.9%
140'0"	8.00	Limestone	84.8%
150'0"	-2.00	Limestone and clay	86.8%
160'0"	-12.00	Pebbly limestone	88.5%
170'0"	-22.00	" "	85.7%
180'0"	-32.00	Limestone	91.1%
190'0"	-42.00	Broken limestone	87.2%
200'0"	-52.00	Clay	5.5%

End of Hole R.L. - 52.00

Drilling LogHole No. 2/58Commenced: 1958 Actual date not recordedCompleted: 1958 " " " "Location: 980 ft West, 980 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	123.00		
10'0"	113.00	Clay	
20'0"	103.00	Clay	
30'0"	93.00	Clay	
40'0"	83.00	Clay	
50'0"	73.00	Clay	
61'0"	62.00	Limestone	83.2%
70'0"	53.00	Clay	5.8%
80'0"	43.00	Limestone	83.3%
90'0"	33.00	"	78.8%
100'0"	23.00	"	88.4%
110'0"	13.00	"	81.1%
120'0"	3.00	Broken limestone	77.0%
130'0"	-7.00	Limestone	82.6%
140'0"	-17.00	"	83.0%
150'0"	-27.00	"	89.8%
160'0"	-37.00	"	91.2%
170'0"	-47.00	Clay	5.0%
180'0"	-57.00	Limestone	93.5%
190'0"	-67.00	Broken limestone	93.7%
200'0"	-77.00	Limestone	93.8%

End of Hole R.L. - 77.00

Drilling Log

Hole No. 3/58

Commenced: 1958 Actual date not recorded
Completed: 1958 " " " "
Location: 1290 ft West, 1580 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	89.00		
71'0"	18.00	Limestone	77.1%
73'0"	16.00	"	80.7%
100'0"	-11.00	Limestone with clay	84.0%
105'0"	-16.00	Limestone	92.2%
110'0"	-21.00	"	92.2%
115'0"	-26.00	"	92.6%

End of Hole R.L. - 26.00

Drilling Log

Hole No. 1/59

Commenced: 1959 - Actual date not recorded
Completed: 1959 - " " " "
Location: 1559 ft East, 535 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	16.30	No. 4 Floor level	
10'0"	6.30	Solid limestone	
20'0"	- 3.70	" "	94.0%
30'0"	-13.70	" "	92.8%
40'0"	-23.70	" "	92.1%
50'0"	-33.70	" "	91.0%
60'0"	-43.70	" "	91.9%
70'0"	-53.70	" "	94.3%
80'0"	-63.70	" "	92.9%
90'0"	-73.70	" "	93.9%
100'0"	-83.70	" "	92.2%
110'0"	-93.70	" "	91.1%
120'0"	-103.70	50% limestone 50% calcite	92.5%
130'0"	-113.70	Limestone	89.7%
140'0"	-123.70	"	91.4%
150'0"	-133.70	"	91.0%
160'0"	-143.70	"	91.2%
170'0"	-153.70	"	90.1%
180'0"	-163.70	"	89.6%
190'0"	-173.70	"	87.4%
200'0"	-183.70	"	84.6%
			87.3%

End of Hole R.L. -183.70

Drilling Log

Hole No. 2/59

Commenced: 1959 Actual date not recorded

Completed: 1959 " " " "

Location: 1488 ft East, 590 ft North referred to plant base lines
Hole drilled at 45°

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	16.30	No. 4 floor level	
10'0"		Limestone	94.4%
20'0"		"	91.6%
30'0"		"	89.1%
40'0"		"	93.2%
50'0"		"	91.0%
60'0"		"	91.2%
70'0"		"	92.0%
80'0"		"	90.1%
90'0"		"	92.4%
100'0"		"	96.1%
110'0"	-61.47	"	95.1%

End of Hole R.L. - 61.47

Drilling Log

Hole No. 3/59

Commenced: 1959 Actual date not recorded
Completed: 1959 " " " "
Location: 1500 ft East, 584 ft North referred to plant base lines
Hole drilled at 30° for 110 ft

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	16.30	Floor level No. 4	
10'0"		Limestone	94.8%
20'0"		"	91.6%
30'0"		"	92.1%
40'0"		"	92.2%
50'0"		"	92.4%
60'0"		"	90.3%
70'0"		"	91.4%
80'0"		"	93.0%
90'0"		"	89.5%
100'0"		"	89.8%
110'0"	-78.96	"	

End of Hole R.L. - 78.96

Drilling Log

Hole No. 4/59

Commenced: 1959 Actual date not recorded
Completed: 1959 Actual date not recorded
Location: 957 ft East, 730 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	145.50		
51'8"	93.84	Struck solid stone	
60'0"	85.50	Solid limestone	89.6%
70'0"	75.50	" "	85.7%
80'0"	65.50	" "	86.2%
90'0"	55.50	" "	85.0%
100'0"	45.50	" "	88.0%
110'0"	35.50	" "	89.5%
125'0"	20.50	" "	88.9%

End of Hole R.L. 20.50

Drilling Log

Hole No. 5/59

Commenced: 1959 Actual date not recorded
Completed: 1959 " " " "
Location: 1219 ft East, 894 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	138.50		
66 9"	71.75	Struck solid stone	
70'0"	68.50	Solid limestone	84.7%
80'0"	58.50	" "	88.0%
90'0"	48.50	" "	87.3%
100'0"	38.50	" "	88.0%
101'0"	37.50	" "	

End of Hole R.L. 37.50

Drilling Log

Hole No. 6/59

Commenced: 1959 Actual date not recorded
Completed: 1959 " " " "
Location: 708 ft East, 1163 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	210.00		
95'0"	115.00	Clay	
139'3"	70.75	Broken limestone	67.1%
149'11"	60.08	No sample	
156'0"	54.00	Cavity	
159'7"	50.40	Solid limestone	
175'0"	35.00	" "	

End of Hole R.L. 35.00

Drilling Log

Hole No. 1/60

Commenced: 1960 Actual date not recorded
Completed: 1960 " " " "
Location: 335 ft East, 603 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	169.70		
139'4"	30.37	Struck stone	
140'0"	29.70	Solid stone	93.1%
144'0"	25.70	" "	93.4%
147'0"	22.70	" "	

End of Hole R.L. 22.70

Drilling Log

Hole No. 2/60

Commenced: 1960 Actual date not recorded
Completed: 1960 " " " "
Location: 1687 ft East, 1275 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	143.20		
138'0"	5.20	Struck limestone	91.2%
140'0"	3.20	Solid limestone	90.8%
150'0"	-6.80	" "	87.8%
153'5"	-10.22	" "	87.0%

End of Hole R.L. - 10.22

Drilling Log

Hole No. 3/60

Commenced: 1960 Actual date not recorded

Completed: 1960 " " " " "

Location: 918 ft East, 803 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	157.50		
174'0"	-16.50	First struck stone	94.7%
180'0"	-22.50	Limestone (Solid)	91.8%
190'0"	-32.50	" "	87.9%
200'0"	-42.50	" "	93.8%
210'0"	-52.50	" "	92.0%
215'0"	-57.50	" "	

End of Hole R.L. - 57.50

Drilling Log

Hole No. 4/60

Commenced: 1960 Actual date not recorded

Completed: 1960 " " " "

Location: 855 ft East, 913 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	171.90		
133'0"	38.90	Struck limestone	84.7%
142'0"	29.90	Solid limestone	86.5%

End of Hole R.L. 29.90.

Drilling Log

Hole No. 5/60

Commenced: 1960 Actual date not recorded

Completed: 1960 " " " "

Location: 302 ft East, 00 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	216.10		
226'0"	-9.90		

No limestone to -9.90

End of Hole R.L. -9.90

Drilling Log

Hole No. 6/60

Commenced: 1960 Actual date not recorded
Completed: 1960 " " " "
Location: 2119 ft East, 1601 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	98.40		
12'9"	85.65	First limestone	
15'0"	83.40	Limestone	78.6%
17'0"	81.40	"	69.1%
19'0"	79.40	"	73.8%
21'0"	77.40	Cavity	-
23'0"	75.40	Limestone	58.0%
25'0"	73.40	"	68.0%
27'0"	71.40	"	75.3%
29'0"	69.40	"	66.0%

End of Hole R.L. 69.40

Drilling Log

Hole No. 7/60

Commenced: 1960 Actual date not recorded

Completed: 1960 " " " "

Location: 2063 ft East, 1452 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	97.30		
13'6"	83.80	Limestone	88.0%

End of Hole Not recorded

Drilling Log

Hole No. 1/62

Commenced: 1962 Actual date not recorded
Completed: 1962 " " " "
Location: 1032 ft East, 604 ft South referred to plant base lines

<u>Drill depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	144.90		
67'11"	77.00	Clay Limestone	92.4%
↓	↓		

End of Hole - Not recorded

Drilling Log

Hole No. 2/62

Commenced: 1962 Actual date not recorded

Completed: 1962 " " " "

Location: 1162 ft East, 681 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	136.60	-	
59'7"	77.00	Clay	
67'0"	69.60	Limestone	90.3%

Hole relocated in 1972 and found to be open to R.L. 69.60.

Hole cased to 30 ft and drilling continued in June 1972 to R.L. 38.10 in solid limestone.

End of Hole R.L. 38.10

Drilling Log

Hole No. 3/62

Commenced: 1962 Actual date not recorded

Completed: 1962 " " " "

Location: 905 ft East, 528 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	149.10		
63'1"	86.00	Struck limestone	83.4%
↓	↓		

End of Hole R.L. Not recorded

Drilling Log

Hole No. 4/62

Commenced: 1962 Actual date not recorded
Completed: 1962 " " " "
Location: 700 ft East, 578 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	147.90		
62'11"	85.00	Struck limestone Limestone	90.3%

End of Hole R.L. not recorded

Drilling Log

Hole No. 5/62

Commenced: Actual date not recorded
Completed: " " " "
Location: 830 ft East, 656 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	147.40		
74'8"	72.73	Struck limestone	86.8%
↓	↓	Limestone	

End of Hole R.L. not recorded

Drilling Log

Hole No. 6/62

Commenced: 1962 . Actual date not recorded
Completed: 1962 . " . " . " . "
Location: 1088 ft East, 809 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	143.80		
114'10"	29.00	Struck limestone	77.0%

End of Hole R.L. not recorded

Drilling Log

Hole No. 6/62

Commenced: 1962 . Actual date not recorded
Completed: 1962 " " " "
Location: 1088 ft East, 809 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	143.80		
114'10"	29.00	Struck limestone	77.0%

End of Hole R.L. not recorded

Drilling Log

Hole No. 7/62

Commenced: 1962 Actual date not recorded

Completed: November 1962

Location: 1350 ft East, 962 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	139.10		
62'1"	77.00	Struck limestone	83.7%

End of Hole R.L. not recorded

Drilling Log

Hole No. 8/62

Commenced: November 1962

Completed: November 1962

Location: 1294 ft East, 756 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	137.40		
78'5"	59.00	Struck limestone	76.6%

End of Hole R.L. not recorded

Drilling Log

Hole No. 9/62

Commenced: November 1962

Completed: November 1962

Location: 1425 ft East, 832 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	128.10		
72'1"	56.00	Struck limestone	85.3%
End of Hole	R.L. not recorded		

Drilling Log

Hole No. 10/62

Commenced: November 1962

Completed: November 1962

Location: 2668' East, 1466 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	104.00		
48'0"	56.00	Struck limestone	24.8%

End of Hole R.L. not recorded

Drilling Log

Hole No. 11/62

Commenced: November 1962

Completed: November 1962

Location: 2772 ft East, 1354 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	107.50		
47'6"	60.00		

Hole abandoned without striking limestone

End of Hole R.L. 60.00

Drilling Log

Hole No. 12/62

Commenced: December 1962

Completed: December 1962

Location: 2875 ft East, 1246 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	105.80		
89'10"	16.00	Limestone	74.5

End of Hole R.L. not recorded

Drilling Log

Hole No. 13/62

Commenced: December 1962

Completed: December 1962

Location: 2978 ft East, 1134 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	107.70		
67'8"	40.00	Limestone	64.8%

End of Hole R.L. not recorded

Drilling Log

Hole No. 14/62

Commenced: December 1962

Completed: December 1962

Location: 3081 ft East, 1022 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	108.30		
65'4"	43.00	Limestone	71.6%

End of Hole R.L. not recorded

Drilling Log

Hole No. 15/62

Commenced: December 1962

Completed: December 1962

Location: 1807 ft East, 1734 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	97.40		
29 5"	68.00	Limestone	86.7%
End of Hole	R.L. not recorded		

Drilling Log

Hole No. 16/62

Commenced: December 1962

Completed: December 1962

Location: 1950 ft East, 1690 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	97.50		
16'6"	81.00	Limestone	54.0%

End of Hole R.L. not recorded

Drilling Log

Hole No. 1/63

Commenced: January 1963

Completed: January 1963

Location: 2238 ft East, 1600 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	99.20		
21'2"	78.00	Limestone	74.5%
25'0"	74.20		
End of Hole	R.L. 74.20		

Drilling Log

Hole No. 2/63

Commenced: January 1963

Completed: January 1963

Location: 2381 ft East, 1556 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	100.0		
8'0"	92.00	Limestone	76.4%
10'0"	90.00		
End of Hole	R.L. 90.00		

Drilling Log

Hole No. 3/63

Commenced: January 1963

Completed: January 1963

Location: 2526 ft East, 1509 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	100.50		
14'6"	86.00	Limestone	76.7%
17'6"	83.00		
End of Hole	R.L. 83.00		

Drilling Log

Hole No. 4/63

Commenced: January 1963
Completed: February 1963
Location: 3184 ft East, 916 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	105.00		
68'0"	37.00	Limestone	73.6%

End of Hole R.L. not recorded

Drilling Log

Hole No. 5/63

Commenced: February 1963

Completed: February 1963

Location: 2919 ft East, 275 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	106.29		
25'3"	81.04	Limestone	83.9%
28'0"	78.29		

End of Hole : R.L. 78.29

Drilling Log

Hole No. 6/63

Commenced: February 1963.

Completed: February 1963

Location: 2556 ft East, 604 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	105.36		
30'4"	75.00	Limestone	92.0%
33'0"	72.36		
End of Hole	R.L. 72.36		

Drilling Log

Hole No. 7/63

Commenced: February 1963

Completed: February 1963

Location: 2272 ft East, 825 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	102.67		
40'8"	62.00	Limestone	83.1%
44'0"	58.67		
End of Hole	R.L. 58.67		

Drilling Log

Hole No. 8/63

Commenced: February 1963

Completed: February 1963

Location: 1944 ft East, 1038 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	101.52		
50'6"	51.00	Limestone	87.0%
53'0"	48.52		
End of Hole	R.L. 48.52		

Drilling Log

Hole No. 9/63

Commenced: February 1963

Completed: February 1963

Location: 1705 ft East, 1165 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	100.15		
35 2"	65.00	Limestone	89.5%

End of Hole R.L. not recorded

Drilling Log

Hole No. 10/63

Commenced: February 1963

Completed: February 1963

Location: 1492 ft East, 1272 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	97.32		
21'8"	75.65	Limestone	89.0%
End of Hole	R.L. not recorded		

Drilling Log

Hole No. 11/63

Commenced: February 1963

Completed: " "

Location: 478 ft East, 763 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	Approx. 173.00		
138'0"	" 35.00	Limestone	66.3%

End of Hole R.L. not recorded

Drilling Log

Hole No. 12/63

Commenced: February 1963

Completed: February 1963

Location: 567 ft East, 813 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	Approx. 174.0		
160'0"	" 14.0	Limestone	
180'0"	" -6.0	"	68.1%

End of Hole R.L. not recorded

Drilling Log

Hole No. 13/63

Commenced: February 1963

Completed: February 1963

Location: 737 ft East, 919 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	Approx. 175'0"		
190'0"	" -15.0	Limestone	7.4%
193'0"	" -18.0	"	84.0%
End of Hole	R.L. not recorded		

Drilling Log

Hole No. 1/72

Commenced: June 1972

Completed: June 1972

Location: 1385 ft East, 583 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	116.86		
18'6"	98.36	Clay	Not Analysed
54'2"	62.70	Clay and basalt	
61'8"	55.20	Limestone	

End of Hole R.L. 55.20

Drilling Log

Hole No. 2/72

Commenced: June 1972

Completed: " "

Location: 1196 ft East, 518 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	119.11	Clay and basalt	Not Analysed
83'4"	35.78	Limestone and clay	
100'0"	19.11	Clay with basalt	
104'0"	15.11	Limestone and clay	
155'4"	-36.22	" " "	

End of Hole R.L. - 36.22

Drilling Log

Hole No. 3/72

Commenced: June 1972

Completed: June 1972

Location: 1335 ft East, 338 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	59.62	Red clay	Not analysed
112'0"	-52.38	Clay and basalt	
114'6"	-54.88	Clay with limestone pebbles	

End of Hole R.L. - 54.88

Drilling Log

Hole No. 4/72

Commenced: 14th June 1972

Completed: 16th June 1972

Location: 1530 ft East, 350 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	70.52	Clay	Not analysed
48'7"	21.94	Limestone	
51'9"	18.77	"	
End of Hole	R.L. 18.77		

Drilling Log

Hole No. 5/72

Commenced: 19th June 1972

Completed: 19th June 1972

Location: 2430 ft East, 315 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	111.71	Dumped clay	Not analysed
29'3"	82.46	Solid limestone	
41'5"	70.29	" "	

End of Hole R.L. 70.29

Drilling Log

Hole No. 1/73

Commenced: December 1973

Completed: December 1973

Location: 140 ft East, 2693 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	88.83		
63'6"	25.33	Struck limestone)	
67'0"	21.83	Solid limestone)	92.3%

End of Hole R.L. 21.83

Analysis of composite sample from 63'6" to 67'0"

CaO	51.0
SiO ₂	4.9
Fe ₂ O ₃	0.5
Al ₂ O ₃	1.2
MgO	0.8
Loss	40.9
SO ₃	0.04

Drilling Log

Hole No. 2/73

Commenced: December 1973

Completed: December 1973

Location: West 726 ft, North 3202 ft referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	79.63		
50'0"	29.63	Struck stone	
73'0"	6.63	Limestone with clay seams	88.0

Intersected water stream at 25'0" below surface.

End of Hole R.L. 6.63

Analysis of composite sample from 50'0" to 73'0"

CaO 49.1%

SiO₂ 7.0%

Fe₂O₃ 0.9%

Al₂O₃ 1.7%

MgO 0.8%

Loss 39.8%

SO₃ 0.2%

Drilling Log

Hole No. 3/73

Commenced: December 1973

Completed: December 1973

Location: West 1582 ft, North 3705 ft referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	76.03		
60'6"	15.53	Struck limestone)	
67'6"	8.53	Solid limestone)	89.6%

End of Hole R.L. 8.53

Analysis of composite sample from 60'6" to 67'6"

CaO	49.2%
SiO ₂	6.5%
Fe ₂ O ₃	0.8%
Al ₂ O ₃	1.4%
MgO	1.2%
Loss	39.9%
SO ₃	0.4%

Drilling Log

Hole No. 4/73

Commenced: December 1973

Completed: December 1973

Location: West 2436 ft North 4219 ft referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	68.63		
62'0"	6.63	Struck limestone)	
71'0"	-2.37	Solid limestone)	91.5

End of Hole R.L. - 2.37

Analysis of composite sample from 62'0" to 71'0"

CaO	50.6%
SiO ₂	4.9%
Fe ₂ O ₃	0.6%
Al ₂ O ₃	1.2%
MgO	0.7%
Loss	41.0%
SO ₃	0.4%

Drilling Log

Hole No. 5/73

Commenced: December 1973

Completed: December 1973

Location: West 3077 ft, North 4652 ft referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	55.93		
41'0"	14.93	Struck limestone)	
46'0"	9.93	Solid limestone)	87.1

End of Hole R.L. 9.93

Analysis of composite sample from 41'0" to 46'0"

CaO	48.4%
SiO ₂	7.2%
Fe ₂ O ₃	1.2%
Al ₂ O ₃	2.2%
MgO	0.8%
Loss	38.4%
SO ₃	1.2%

Drilling log

Hole No. 6/73

Commenced: December 1973

Completed: December 1973

Location: West 2495 ft, North 4984 ft referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	77.13		
105'0"	-27.87	Clay	Not analysed

End of Hole R.L. - 27.87

Drilling Log

Hole No. 7/73

Commenced: December 1973

Completed: December 1973

Location: West 1946 ft, North 5057 ft referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	118.83		Not analysed
83'0"	35.83	Solid material not proven	

End of Hole R.L. 35.83

Drilling Log

Hole No. 8/73

Commenced: December 1973

Completed: February 1974

Location: East 1242 ft, North 3007 ft referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	102.93		Not analysed
130 0"	-27.07	Clay	

End of Hole R.L. - 27.07

Drilling Log

Hole No. 9/73

Commenced: December 1973

Completed: January 1974

Location: West 280 ft, North 1942 ft referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	89.43		Not analysed
129'0"	-39.57	Clay	

End of Hole R.L. - 39.57

Drilling Log

Hole No. 1/74

Commenced: March 1974

Completed: March 1974

Location: 2202 ft West, 2325 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	75.78		
89'0"	-13.22	Struck limestone)	
98'0"	-22.22	Full core solid stone)	84.3%

End of Hole R.L. - 22.22

Analysis of composite sample from 89'0" to 98'0"

CaO	46.9%
SiO ₂	11.9%
Fe ₂ O ₃	0.8%
Al ₂ O ₃	1.1%
MgO	0.4%
Loss	37.7%
SO ₃	0.06%

Drilling Log

Hole No. 2/74

Commenced: March 1974

Completed: March 1974

Location: 1747 ft West, 2685 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	71.05		
67'6"	3.55	Struck limestone)	
72'6"	-1.45	Full core solid stone)	82.4%

End of Hole R.L. - 1.45

Analysis of composite sample from 67'6" to 72'6"

CaO	45.6%
SiO ₂	13.2%
Fe ₂ O ₃	0.9%
Al ₂ O ₃	1.4%
MgO	1.0%
Loss	36.7%
SO ₃	0.7%

Drilling Log

Hole No. 3/74

Commenced: March 1974

Completed: March 1974

Location: 610 ft East, 3042 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	92.79		
17'0"	75.79	Struck limestone)	
25'0"	67.79	Full core solid stone)	76.0%
End of Hole	R.L. 67.79		

Analysis of composite sample from 17'0" to 25'0"

CaO	42.2%
SiO ₂	14.3%
Fe ₂ O ₃	1.8%
Al ₂ O ₃	3.8%
MgO	1.1%
Loss	34.1%
SO ₃	1.4%

Drilling Log

Hole No. 4/74

Commenced: March 1974

Completed: March 1974

Location: 2050 ft East, 2259 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	105.62		
19'0"	86.62	Struck limestone)	
29'0"	76.62	Full core solid stone)	86.0%

End of Hole R.L. 76.72

Analysis of composite sample from 19'0" to 29'0"

CaO	47.8%
SiO ₂	8.8%
Fe ₂ O ₃	1.1%
Al ₂ O ₃	1.9%
MgO	0.7%
Loss	38.8%
SO ₃	0.4%

Drilling Log

Hole No. 5/74

Commenced: April 1974

Completed: April 1974

Location: 708 ft East, 2258 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	94.02		
71'0"	23.02	Struck limestone)	
76'0"	18.02	Full core solid stone)	91.5%

End of Hole R.L. 18.02

Analysis of composite sample from 71'0" to 76'0"

CaO	50.7%
SiO ₂	4.6%
Fe ₂ O ₃	0.8%
Al ₂ O ₃	0.9%
MgO	0.5%
Loss	41.3%
SO ₃	0.05%

Drilling LogHole No. 6/74Commenced: April 1974Completed: April 1974Location: 1171 ft East, 2495 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	99.80		
93'0"	6.80	Edge of Pinnacle of Stone	
107'0"	-7.20	Struck solid limestone)	
112'6"	-12.70	Full core solid stone)	82.4%

End of Hole R.L. - 12.70

Analysis of composite sample from 107'0" to 112'6"

CaO	46.0%
SiO ₂	11.9%
Fe ₂ O ₃	1.1%
Al ₂ O ₃	2.0%
MgO	0.8%
Loss	36.6%
SO ₃	1.2%

Drilling Log

Date No. 7/74

Commenced: April 1974

Completed: April 1974

Location: 3789 ft East, 353 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	106.67		
31'6"	75.17	Struck limestone)	
37'0"	69.67	Entered cave)	
42'0"	64.67	Struck limestone)	90.4%
47'0"	59.67	Full core solid stone)	

End of Hole R.L. 59.67

Analysis of composite sample from 31'6" to 47'0"

CaO	49.8%
SiO ₂	5.5%
Fe ₂ O ₃	0.8%
Al ₂ O ₃	1.4%
MgO	1.0%
Loss	40.3%
SO ₃	0.7%

Drilling Log

Hole No. 8/74

Commenced: April 1974

Completed: April 1974

Location: 3435 ft East, 860 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	104.42		
66'0"	38.42	Struck limestone)	
72'4"	32.08	Full core solid stone)	76.9%

End of Hole R.L. 32.08

Analysis of composite sample from 66'0" to 72'4"

CaO	42.5%
SiO ₂	13.9%
Fe ₂ O ₃	1.8%
Al ₂ O ₃	3.6%
MgO	1.1%
Loss	34.2%
SO ₃	1.7%

Drilling Log

Hole No. 9/74

Commenced: May 1974

Completed: May 1974

Location: 3122 ft East, 1233 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	111.09		
60'0"	51.09	Struck limestone)	
67'0"	44.09	Full core solid stone)	87.5%

End of Hole R.L. 44.09

Analysis of composite sample from 60'0" to 67'0"

CaO	48.2%
SiO ₂	8.7%
Fe ₂ O ₃	0.8%
Al ₂ O ₃	1.2%
MgO	0.9%
Loss	39.1%
SO ₃	0.4%

Drilling Log

Hole 10/74

Commenced: May 1974

Completed: May 1974

Location: 2394 ft East, 1213 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	117.67		
67'0"	50.67	Struck limestone)	
79'0"	38.67	Full core solid stone)	88.2%

End of Hole R.L. 38.67

Analysis of composite sample from 67'0" to 79'0"

CaO	48.7%
SiO ₂	6.8%
Fe ₂ O ₃	1.0%
Al ₂ O ₃	1.8%
MgO	0.8%
Loss	39.1%
SO ₃	1.0%

Drilling Log

Hole No. 11/74

Commenced: May 1974

Completed: May 1974

Location: 1743 ft East, 960 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	122.81		
41'0"	81.81	Struck limestone)	91.0%
50'0"	72.81	Full core solid limestone)	

End of Hole R.L. 72.81

Analysis of composite sample from 41'0" to 50'0"

CaO	50.5%
SiO ₂	4.7%
Fe ₂ O ₃	0.7%
Al ₂ O ₃	1.5%
MgO	1.0%
Loss	40.9%
SO ₃	0.03%

Drilling Log

Hole No. 12/74

Commenced: May 1974

Completed: May 1974

Location: 1829 ft East, 235 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface (No. 5 Floor Level)	- 20.07	Solid limestone	
46'8"	- 66.74	" "	92.0%
100'6"	-120.57	" "	91.8%
153'8"	-173.74	" "	89.7%
205'1"	-225.13	" "	87.8%

End of Hole R.L. - 225.13

Analyses of composite samples

	0' to 46'8"	46'8" to 100'6"	100'6" to 153'8"	153'8" to 205'1"
CaO	50.3%	50.0%	49.2%	48.6%
SiO ₂	5.2%	5.2%	6.2%	7.3%
Fe ₂ O ₃	0.6%	0.6%	0.8%	1.0%
Al ₂ O ₃	1.1%	1.1%	1.5%	1.7%
MgO	1.4%	1.3%	1.4%	1.1%
Loss	40.9%	40.7%	39.6%	38.9%
SO ₃	0.5%	0.6%	0.9%	1.1%

Drilling Log

Hole No. 13/74

Commenced: July 1974

Completed: August 1974

Location: 1931 ft East, 478 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface (No. 5 floor level)	-20.74	Solid limestone	
41'6"	-62.24	Solid stone with wide bands of calcite	89.9%
50'0"	-70.74	Solid limestone	
100'0"	-120.74	Solid limestone	86.9%
147'2"	-160.90	Solid limestone	89.8%
202'3"	-223.04	Solid limestone	90.2%

End of Hole R.L. -223.04

Analyses of Composite Samples

	0' to 50'0"	50'0" to 100'0"	100'0" to 147'2"	147'2" to 202'3"
CaO	50.0%	48.1%	49.3%	50.0%
SiO ₂	5.8%	7.7%	5.8%	5.6%
Fe ₂ O ₃	0.8%	0.9%	0.9%	0.70%
Al ₂ O ₃	1.4%	1.8%	1.4%	1.5%
MgO	1.3%	1.3%	1.4%	1.4%
Loss	39.8%	38.6%	39.7%	40.0%

Drilling Log

Hole No. 14/74

Commenced: August 1974

Completed: August 1974

Location: 1879 ft East, 126 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface (No. 5 Floor Level)	- 21.66	Solid limestone)	
50'0"	-71.66	" ")	91.6%
100'0"	-121.66	" "	90.9%
147'4"	-168.97	" "	90.1%
204'10"	-226.52	" "	89.3%

End of Hole R.L. - 226.52

Analyses of composite samples

	0' to 50'0"	50'0" to 100'0"	100'0" to 147'4"	147'4" to 204'10"
CaO	49.8%	49.5%	49.7%	48.8%
SiO ₂	5.0%	5.3%	5.7%	6.6%
Fe ₂ O ₃	0.5%	0.5%	0.7%	0.9%
Al ₂ O ₃	1.0%	0.8%	1.4%	1.6%
MgO	1.7%	1.5%	1.6%	1.3%
Loss	41.0%	40.5%	40.1%	39.1%

Drilling Log

Hole No. 15/74

Commenced: May 1974

Completed: June 1974

Location: 2326 ft East, 707 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	104.13		
41'7"	62.56	Struck limestone)	
50'1"	54.03	Solid limestone)	90.1%

End of Hole R.L. 54.03

Analysis of composite sample

CaO	49.3%
SiO ₂	5.5%
Fe ₂ O ₃	0.8%
Al ₂ O ₃	1.4%
MgO	1.5%
Loss	40.4%

Drilling Log

Hole No. 16/74

Commenced: June 1974

Completed: June 1974

Location: 2769 ft East, 279 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	182.13		
112'7½"	69.50	Struck limestone	
120'2"	61.95	Solid limestone	89.2%

End of Hole R.L. 61.95

Analysis of composite sample from 112'7½" to 120'2"

CaO	49.4%
SiO ₂	6.2%
Fe ₂ O ₃	0.8%
Al ₂ O ₃	1.5%
MgO	1.0%
Loss	40.0%
SO ₃	0.8%

Drilling Log

Hole No. 17/74

Commenced: June 1974

Completed: June 1974

Location: 2786 ft East, 785 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	188.73		
114'2½"	74.52	Struck limestone	
121'0"	67.73	Solid limestone	87.6%

End of Hole R.L. 67.73

Analysis of composite sample from 114'2½" to 121'0"

CaO	48.2%
SiO ₂	7.5%
Fe ₂ O ₃	1.1%
Al ₂ O ₃	1.6%
MgO	1.2%
Loss	39.2%
SO ₃	1.0%

Drilling Log

Hole No. 18/74

Commenced: June 1974

Completed: June 1974

Location: 3085 ft West, 2593 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	77.23		
75'3"	1.98	Struck limestone)	
84'0"	- 6.77	Solid limestone)	85.5%

End of Hole R.L. - 6.77

Analysis of Composite sample from 75'5" to 84'0"

CaO	47.3%
SiO ₂	10.5%
Fe ₂ O ₃	0.6%
Al ₂ O ₃	1.3%
MgO	0.9%
Loss	38.2%

Drilling LogHole No. 19/74Commenced: 26th August, 1974Completed: 3rd September, 1974Location: 2317 ft East, 903 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	100.43		
40'6"	59.93	Reddish clay with gravel	
54'0"	46.43	Reddish and yellow clay seams	
59'6"	40.93	Full core broken limestone	
60'6"	39.93	Clay seam	
70'4"	30.10	3'3" broken stone - 6'7" clay	
75'5"	25.01	3'11" broken stone - 1'2" clay	
81'0"	19.43	4'4" broken stone - 1'3" clay	
90'4"	10.10	8'8" broken stone - 8" clay	
100'2"	0.26	8'2" broken stone - 1'8" clay	
109'7"	- 9.15	7'5" broken stone - 2'0" clay	
111'0"	-10.57	8" broken stone - 9" clay	
112'0"	-11.57	6" " " - 6" clay	
122'3"	-21.84	3'2" " " - 7'1" clay	
124'5"	-23.98	2'2" " "	
131'0"	-30.54	Clay	

End of Hole R.L. - 30.54

Drilling Log

Hole No. 20/74

Commenced: September, 1974

Completed: 27th September, 1974

Location: 3378 ft East, 246 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>%CaCO₃</u>
Surface	105.83		
29'6"	76.33	Struck limestone	
49'11"	55.91	Full core solid limestone	
85'4"	20.50	Full core solid limestone	
124'8"	-18.85	Full core solid limestone	

End of Hole R.L. -18.85

Drilling Log

Hole No. 21/74

Commenced: August 1974

Completed: 20th September 1974

Location: 2850 ft East, 281 ft North referred to plant base lines.

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	107.83		
23'6"	84.34	Struck limestone	
53'9"	54.08	Full core solid limestone	
109'4"	- 1.53	Full core solid limestone	
158'4"	- 50.54	" " " "	
205'3"	- 97.42	" " " "	
244'8"	-136.83	" " " "	

End of Hole R.L. - 136.83

Drilling Log

Hole No. 22/74

Commenced: August 1974
Completed: 23rd August, 1974
Location: 1995 ft East, 806 ft South referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	181.03		
138'9"	42.31	Struck limestone	
145'9"	35.28	Broken limestone	
170'7"	10.43	Solid limestone	
210'6"	-29.47	Yellow clay	
270'6"	-89.47	Red clay	

End of Hole R.L. -89.47

Drilling Log

Hole No. 23/74

Location selected but not drilled.

Drilling Log

Hole No. 24/74

Commenced: October 1974

Completed: October 1974

Location: 416 ft West, 3712 ft North referred to plant base lines

<u>Drill Depth</u>	<u>R.L.</u>	<u>Core</u>	<u>% CaCO₃</u>
Surface	99.13		
94'6"	4.63	Struck limestone	
95'10"	3.30	Solid limestone	
103'9"	-4.62	Clay seam	
135'2"	-36.04	Limestone	

End of Hole R.L. - 36.04.