



31D15NW0036 16 MONMOUTH

010

### Diamond Drilling

Township of Monmouth

Report NO: 16

Work performed by: G. A. McNabb & F. Walsh

Claim NO	Hole NO	Footage	Date	Note
EO 5613	1	378'		(1)
	2	146'		(1)
	3	240'		(1)
	4	200'		(1)
	5	244'		(1)
	7	319'		(1)
	EO 5612	6	276.5'	
8		322'		(1)

8DDH 2125.5'

#### Notes:

(1) This drilling programme was carried out during the spring of 1955.

# DIAMOND DRILL RECORD

PROJECT SMOKELY HOLE No. 1  
 SHEET NUMBER 1-1 SECTION FROM 0 TO 22 STARTED.....  
 LATITUDE..... DATUM..... COMPLETED.....  
 DEPARTURE..... BEARING..... ULTIMATE DEPTH 378  
 ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
0-7	Casing								
7-13	Pegmatite with indetermineable contacts due to inclusions of syenitic to dioritic country rock. Truly pegmatitic rock from 10-11.5 consisting of 60% feldspar, 35% pyroxene 5% calcite & scattered flakes of biotite.								
13-21	Syenitic rock with disseminated garnet & scattered pyroxene.								
21-22	Concentrations of pyroxene & hornblende with crystals								

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*J. S. Hodges*

# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 1  
 SHEET NUMBER 1-2 SECTION FROM 22 TO 31.5 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 378  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	of an orange radioactive mineral with sub-conoidal fracture, H-6 (probably euxenite) wet in hornblende & pyroxene.								
22-27.5	Medium grained svenitic to dioritic rock containing small concentrations of hornblende & calcite with disseminated pyrite.								
27.5-30	Fine grained light granite.								
30-31.5	Massive concentrations of pyroxene in svenite. Also massive concentrations of								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 1  
 SHEET NUMBER 1-3 SECTION FROM 31.5 TO 41.5 STARTED.....  
 LATITUDE..... DATUM..... COMPLETED.....  
 DEPARTURE..... BEARING..... ULTIMATE DEPTH 378  
 ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	calcite. Radioactivity at 31.3								
	which seems due to the afore								
	described euxenite buried in a								
	mass of pyroxene. It may also be								
	due to black masses of a mineral,								
	hardness-4, conchoidal fracture,								
	opaque, and resinous lustre.								
	Masses of the black mineral up to								
	1/8" diameter. (may be allenite)								
31.5-41.5	Country rock varying from a								
	syenite almost to a diopside with								
	massive concentrations.								

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# DIAMOND DRILL RECORD

PROPERTY.....SMOKEY.....HOLE No. 1  
 SHEET NUMBER 1-4.....SECTION FROM 41.5 TO 51.....STARTED.....  
 LATITUDE.....DATUM.....COMPLETED.....  
 DEPARTURE.....BEARING.....ULTIMATE DEPTH 37'  
 ELEVATION.....DIP.....PROPOSED DEPTH.....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	of pyroxene occuring between 33.5								
	& 37.5, 38.5& 40, 41& 41.5.								
	Three or four minute specks of what								
	might be euxenite were found in these								
	pyroxene concentrations.								
41.5-45	A coarsely crystal ine rock of about								
	60% calcite, 20% hornblende, 20%								
	small greentransparent crystals								
	apatite.								
45-47	Medium grained syenite								
47-51	Syenite grades into rock described								
	from 41.5-45								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 1  
 SHEET NUMBER 1-5 SECTION FROM 51 TO 66 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 378  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	which grades back to syenite at 51								
51-61	Syenite with a small concentration of pyroxene at 51								
61-62	Syenite to diorite with small crystals of apatite in calcite, with a reddish unknown glass-like mineral hardness -6 at 61.8. No radioactivity. Also small inclusions of pyroxene								
62-65	Hybrid syenite diorite								
65-66	Masses of pyroxene set in calcite & syenite with								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 1  
 SHEET NUMBER 1-6 SECTION FROM 66 TO 106 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 378  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	disseminated pyrite apatite								
	with a few brown crystals probably								
	apatite. No radioactivity								
<u>66-89.7</u>	Syenite with small inclusion								
	up to 6" long of calcite, apatite								
	& hornblende.								
<u>95.2-106</u>	Syenite with inclusions of blackened								
	quartz at 100, 102.5 & 104. Also								
	concentration of pyrite at 100.								
	Syenite grades into granite at								
	about 102.5, then changes								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 1  
 SHEET NUMBER 1-7 SECTION FROM 106 TO 133.5 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 378  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	to syenite again at 105								
106-110	Syenite with concentrations of pyroxene scattered throughout. No excessive radioactivity.								
110-120	Medium grained syenite								
120-133.5	Alternating bands of syenite & a diorite (fine grained) which is 80% pyroxene. The diorite also contains widely disseminated small masses of a yellowish-orange unknown mineral non-radioactive. Small								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 1  
 SHEET NUMBER 1-8 SECTION FROM 133.5 TO 153 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 378  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	concentration of quartz at 129.5								
133.5-148.5	Syenite with a concentration of calcite between 135&135.5 and a concentration of pyrite at 136, and an inclusion of quartz at 142 and 147								
148.5-153	Paragneissic structure consisting of feldspar and pyroxene with inclusions of calcite and hornblende in the feldspar. Inclusions of quartz at 153.								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 1  
 SHEET NUMBER 1-9 SECTION FROM 153 TO 239.5 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 378  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
153-162	Syenite with a few small inclusions of pyroxene								
162-187	Bands of a rock of high pyroxene content intersecting a syenite containing a few scattered masses of calcite and quartz.								
187-232.5	Syenite cut by bands of hornblende & pyroxene.								
232.5-239.5	Pegmatitic rock of indefinite contact consisting almost entirely of quartz & feldspar with traces of hornblende or pyroxene.								

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# DIAMOND DRILL RECORD

PROPERTY ..... SMOKEY ..... HOLE No. 1 .....  
 SHEET NUMBER 1-10 ..... SECTION FROM 239.5 TO 290 ..... STARTED .....  
 LATITUDE ..... DATUM ..... COMPLETED .....  
 DEPARTURE ..... BEARING ..... ULTIMATE DEPTH 378 .....  
 ELEVATION ..... DIP ..... PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
239.5-246	Pegmatitic like rock consisting chiefly of feldspar & quartz, but containing intersections of pyroxene.								
246-280	Syenitic country rock cut by pyroxene & hornblende bands & pegmatitic rock. The pegmatite is composed entirely of quartz & feldspar								
280-284	Country rock alternating between diorite & syenite.								
284-290	Massive pyroxene & calcite with small amounts of								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 1  
 SHEET NUMBER 1-11 SECTION FROM 290 TO 343 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 378  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	feldspar								
290-317	Country rock varying between diorite, syenite and a dioritic syenitic paragneiss.								
317-327	Intersection of core with a body containing 50% massive biotite, 25% calcite & 25% diopside. It also contains a 6" intersection with syenite at 325.6								
327-343	Country rock of paragneiss with intersections of diopside.								

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# DIAMOND DRILL RECORD

PROPERTY XXXX SMOKEY HOLE No. 1  
 SHEET NUMBER 1-12 SECTION FROM 343 TO 378 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 378  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
343-347	Country rock of gneiss grading into fine grained pyroxene & calcite & then into coarse pyroxene & calcite with small crystals of apatite.								
347-357	Syenite country rock								
357-359	Country rock of paragneiss								
359-365	Syenite gradating into a granite & back to a syenite								
365-378	Country rock of paragneiss								
378	HOLE ENDS.								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 2  
 SHEET NUMBER 2-1 SECTION FROM 0- TO 13 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 146'  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
0-7.5'	Casing							
7.5-10	Pegmatitic rock containing an inclusion of massive biotite pyrite and quartz at 8'.							
10-12	Syenite country rock approaching a diorite.							
12-13	Inclusion of large grained calcite bearing biotite and disseminated apatite.							

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 2  
 SHEET NUMBER 2-2 SECTION FROM 13 TO 27.5 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 146'  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
13-24	Syenitic to dioritic country rock with a high concentration of hornblende and pyroxene at 23'								
24-27.5	Biotitic calcite inclusion containing hornblende and some disseminated pyrite.								

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# DIAMOND DRILL RECORD

PROPERTY ..... SMOKEY ..... HOLE No. .... 2 .....  
 SHEET NUMBER ..... 2-3 ..... SECTION FROM ..... 27.5 ..... TO ..... 57.5 ..... STARTED .....  
 LATITUDE ..... DATUM ..... COMPLETED .....  
 DEPARTURE ..... BEARING ..... ULTIMATE DEPTH ..... 116' .....  
 ELEVATION ..... DIP ..... PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
27.5-47.5	Syenite country rock							
47.5-48	<del>silt</del> -Solid calcite inclusion bounded by massive pyroxene.							
48-57.5	Syenite country rock containing inclusions of hornblende pyroxene calcite and apatite.  Between 51 and 52 56 and 57							

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 2  
 SHEET NUMBER 2-4 SECTION FROM 57.5 TO 78 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 146  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
57.5-57.8	Hornblende pyroxene inclusion in the syenitic rock bearing a radioactive mineral which is black, has a resinous lustre H approx. 6 with conchoidal fracture (pitchblende?)								
57.8-78	Syenitic and granitic country rock with several small inclusions of hornblende, pyroxene, and disseminated pyrite.								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 2  
 SHEET NUMBER 2-5 SECTION FROM 78 TO 146 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 146  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
78-83	Coarse grained syenite								
83-87	Dioritic and syenitic country rock.								
87-91	Coarse calcite conclusion bearing hornblende pyroxene and fluorite								
91-146	Syenite and diorite with a 1" calcite inclusion at 117' containing hornblende pyroxene and apatite also sev ral small inclusions of calcite, biotite, scattered throughout.								

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# DIAMOND DRILL RECORD

PROPERTY ..... SMOKEY ..... HOLE No. 3 .....  
 SHEET NUMBER 3-1 ..... SECTION FROM 0 ..... TO 42 ..... STARTED .....  
 LATITUDE ..... DATUM ..... COMPLETED .....  
 DEPARTURE ..... BEARING ..... ULTIMATE DEPTH .....  
 ELEVATION ..... DIP ..... PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
0-8	Casing								
8-171.5	Syenite containing concentrations of biotite and hornblende, giving it a paragneissic appearance in certain places. Small concentrations of pyrite at 17.5								
17.5-22	Light coloured granite blending into a fine grained syenite at 22								
22-42	Dark grained syenite with almost a sugary appearance due to flecks of pyroxene								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 3  
 SHEET NUMBER 3-2 SECTION FROM 42 TO 70 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	or hornblende with small scattered inclusions of fine grained hornblende.								
	containing calcite & apatite with disseminated pyrite. 6" concentration of calcite at 35								
42-45	Medium grained granite with small scattered inclusions of hornblende or pyroxene								
45-70	Medium grained syenite containing sugary inclusions of hornblende or pyroxene with certain sections becoming nearly								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 3  
 SHEET NUMBER 3-3 SECTION FROM 70 TO 120 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	diorites.								
70-82.5	Fine grained rock composed almost entirely of feldspar, hornblende & pyroxene, but also containing large inclusions up to an inch in diameter of quartz. Traces of pyrite also <del>present</del> present.								
82.5-85	This section appears to be an inclusion of massive calcite with quartz & hornblende & apatite imbedded within it.								
85-120	Medium to fine grained								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 3  
 SHEET NUMBER 3-4 SECTION FROM 120 TO 132 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	syenite containing small inclusions of hornblende & pyroxene with a few small masses of titanite at 109.								
	The titanite is imbedded in a small inclusion of calcite								
120-132	Fine to coarse grained syenite containing widely scattered inclusions of quartz up $\frac{1}{2}$ " diameter								
	Also contains inclusions of calcite, hornblende, pyroxene and disseminated pyrite. The massive concentrations of								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 3  
 SHEET NUMBER 3-5 SECTION FROM 132 TO 158 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	calcite at 128 also contains crystals of titanite and large crystals of pyrite.								
132-145	Fine to course grained syenite with inclusions of pyroxene, hornblende, calcite & quartz. In a few places, the concentrations of quartz tends to make the rock granitic,								
145-158	Medium grained syenite containing inclusions of pyroxene & hornblende which in some places tend to give it a paragneissic								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 3  
 SHEET NUMBER 3-6 SECTION FROM 158 TO 165 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	appearance. At 17 there is a 1" section of pegmatitic rock containing course grained feldspar & quartz. There are many small inclusions of calcite containing pyroxene & titanite. Traces of biotite throughout.								
158-165	Two small pegmatites about 2" long in paragneissic country rock. Pegmatites contain 90% feldspar, 10% quartz.								

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# DIAMOND DRILL RECORD

PROPERTY ..... SMOKEY ..... HOLE No. .... 3 .....  
 SHEET NUMBER ..... 3-7 ..... SECTION FROM ..... 165 ..... TO ..... 240 ..... STARTED .....  
 LATITUDE ..... DATUM ..... COMPLETED .....  
 DEPARTURE ..... BEARING ..... ULTIMATE DEPTH .....  
 ELEVATION ..... DIP ..... PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	with traces of hornblende of								
	pyroxene. Also traces of pyrite.								
165-240	Syenite containing inclusions of								
	altered pyroxene, hornblende, calcite,								
	quartz, biotite & <del>apatite</del> pyrite								
	Some calcite inclusions contain apatite & titanite.								
240	HOLE ENDS								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 4  
 SHEET NUMBER 4-1 SECTION FROM 0 TO 32.5 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 200'  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
0-10	Casing								
10-25	Syenite, biotite, pyroxene, calcite paragneiss.								
25-29	Syenite with inclusions of pyroxene, calcite, and quartz.								
29-30.5	Syenitic paragneiss								
30.5-32.5	90% calcite with small masses of biotite, pyroxene, apatite, and pyrite.								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 4  
 SHEET NUMBER 4-2 SECTION FROM 32.5 TO 61 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 200  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
32.5-52.5	Many small alternating bands of syenite, grey granite and pyroxene.								
52.5-54	Syenite								
54-61	Syenite pyroxene paragneiss with small inclusions of massive pyroxene, calcite apatite and quartz . Section 55-60 is slightly radioactive due to presence of traces of a liver brown mineral								

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*J. S. Hodgson*

# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 4  
 SHEET NUMBER 4-3 SECTION FROM 61 TO 109.5 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 200  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
61-88	Syenitic paragneiss with a few small inclusions of pyroxene, quartz, calcite and apatite in the calcite								
88-94	Syenite								
94-109.5	Paragneiss consisting chiefly of feldspar, pyroxene and quartz. Also present are a few very small inclusions of calcite.								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 4  
 SHEET NUMBER 4-4 SECTION FROM 109.5 TO 138 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 200'  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
109.5-119.7	Section of massive calcite and pyroxene. Within the calcite and pyroxene there are the following minerals:- apatite, titanite, and biotite. 117.5-118.5 :- small section of pargneiss								
119.7-138	Pargneiss which is widely varied in composition and coarseness of grain. It contains a few small inclusions of calcite, biotite, pyroxene and apatite.								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 4  
 SHEET NUMBER 4-5 SECTION FROM 138 TO 150 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 200'  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
138-145.5	Biotitic gness with a 1 ft. intersection of para neiss between 141 and 142.								
145.5-155	Syenite intersected by a few small bands of up to 3" in length of pyroxenite and biotitic gneiss								
155-158	Calcite inclusion containing biotite, apatite, and pyroxene.								

# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 4  
 SHEET NUMBER 4-6 SECTION FROM 158 TO 200 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 200  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
158-163	Syenite with a 3" calcite biotite inclusion at 162								
163-166.5	Inclusion of calcite pyroxene biotite and apatite.								
166.5-200	Alternating small bands averaging about 3" in width of quartz, syenite, and pyroxeneite. Bands are so small that in places the formation approaches a paragneiss structure.								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 5  
 SHEET NUMBER 5-1 SECTION FROM 0 TO 39.5 STARTED  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 244  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
0-11	Casing								
11-25.5	Syenite consisting of 70% feldspar, & 30% pyroxene & biotite, with traces of calcite & pyrite. There is only a very slight radioactivity.								
25.5-39.5	Fine grained syenite consisting of 90% feldspar & 10% of widely scattered inclusions of quartz, pyroxene & calcite. Also present are very widely disseminated								

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C.M.W. & E.B.

*J. S. Hodgson*



# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 5  
 SHEET NUMBER 5-2 SECTION FROM 39.5 TO 60.3 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 241  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
	flecks of pyrite.							
39.5-57	Syenite rock cut by bands of pyroxenite up to 1.5' in length. The pyroxenite bands contain small amounts of pyrite, calcite & fine grained biotite.							
57-59	Medium grained syenite containing small inclusions of fine grained pyroxene.							
59-60.3	Well developed mineralization zone of calcite, pyroxene and small crystals of apatite							

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 5  
 SHEET NUMBER 5-3 SECTION FROM 60.3 TO 75 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 244  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
60.3-65	Syenite bordering on a diorite.							
65-74	Syenite with inclusions up to $1\frac{1}{2}$ ft. in <del>length</del> length of calcite which contains pyroxene, biotite, small crystals of apatite & scattered pyrite. The syenite is also cut by small bands of pyroxenite							
74-75	Pyroxenite with a massive inclusion of pinkened calcite. There is one small crystal of a black, shiny, radioactive mineral.							

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# DIAMOND DRILL RECORD

PROPERTY SM KEY HOLE No. 5  
 SHEET NUMBER 5-4 SECTION FROM 75 TO 94 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 244  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
	buried in a $\frac{1}{2}$ " inclusion of quartz							
	on the contact between the pyroxenite							
	and calcite. Radioactivity was							
	noted to be 2400 counts per minute.							
75-81.5	Syenite cut by bands of pyroxenite.							
	Small inclusions of calcite are seen							
	within the pyroxenite. There							
	are well developed crystals of							
	pyroxene within the calcite.							
81.5-94	Fine grained syenite							

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 5  
 SHEET NUMBER 5-5 SECTION FROM 94 TO 113 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 244  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	containing inclusions of quartz and pyroxene. Widely scattered flecks of pyrite and biotite are also present.								
94-94.8	A well developed crystalline inclusion of calcite, pyroxene biotite and apatite.								
94.8-111	Syenite interlaced by bands of quartz, pyroxene, biotite and calcite. There is also some disseminated pyrite in the bands of quartz.								
111-113	Syenite, 95% feldspar, 5%								

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# DIAMOND DRILL RECORD

PROPERTY..... SMOKEY..... HOLE No. 5  
 SHEET NUMBER 5-6..... SECTION FROM 113 TO 139.5..... STARTED.....  
 LATITUDE..... DATUM..... COMPLETED.....  
 DEPARTURE..... BEARING..... ULTIMATE DEPTH 244  
 ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	pyroxene with traces of quartz								
113-116.5	Mica gneiss with disseminated pyrite.								
116.5-121	Syenite of the same description as 111-113								
121-135	Grey granite intersected by bands of quartz containing disseminated pyrite and biotite.								
135-139.5	Syenite cut by bands of pyroxenite with a 3" inclusions of calcite at 135.5. The calcite inclusion contains								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 5  
 SHEET NUMBER 5-7 SECTION FROM 139.5 TO 173 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 244  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	biotite and a small apatite crystal.								
139.5-147.5	Syenite								
147.5-155	Small bands of syenite, pyroxenite and mica gneiss. Traces of titanite								
	are found at 154.5.								
155-170.3	Granite with small masses of pyroxene and quartz. There are also a few small sections of graphic granite.								
170.3-173	Well-defined crystalline zone of calcite, pyroxene and biotite.								
	A little								

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# DIAMOND DRILL RECORD

PROPERTY ..... SMOKEY ..... HOLE No. 5  
 SHEET NUMBER ..... 5-8 ..... SECTION FROM ..... 173 ..... TO ..... 200 ..... STARTED .....  
 LATITUDE ..... DATUM ..... COMPLETED .....  
 DEPARTURE ..... BEARING ..... ULTIMATE DEPTH ..... 244  
 ELEVATION ..... DIP ..... PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	phlogonite is also present								
173-176.5	Light coloured syenite in-								
	tersected by a 1" band of pyroxene								
	at 176.2. Contacts of band are								
	filled with biotite.								
176.5-180	Micacious paragneiss								
180-184	Syenite								
184-200	Many 2" bands alternating between								
	syenite, pyroxenite and micacious								
	gneiss, with small masses of quartz								
	appearing in the syenite bands.								
	Disseminated pyrite occurs in the								
	pyroxenite bands. A well crystallized								
	zone of								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 5  
 SHEET NUMBER 5-9 SECTION FROM 200 TO 244 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 244  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	calcite, biotite, pyroxene & muscovite occurs between 184-186.5								
200-205.5	Micaceous paragneiss								
205.5-208.5	Granite								
208.5-211	Micacious paragneiss								
211-228	Syenite with a few small graphic intergrowths of quartz								
228-236.5	Paragneiss								
236.5-240.5	<del>Paragneiss</del> Granite with some graphic intergrowth of quartz								
240.5-244	Paragneiss with disseminated pyrite.								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 6  
 SHEET NUMBER 6-1 SECTION FROM 0 TO 42 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 276.5'  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
0-12	Casing							
12-24	Syenite cut by bands of pyroxene							
24-24.5	Calcite inclusion containing biotite, pyroxene, apatite & quartz.							
24.5-29	Syenite with massive inclusions of pyroxene.							
29-30.3	Calcite inclusion containing pyroxene, biotite & apatite.							
30-39.8	Syenite with a few massive inclusions of pyroxene							
39.8-42	Calcite inclusion containing biotite, biotite apatite & pyroxene							

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*Bradley Bros.*

SIGNED

*J. S. Hodgson*

# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 6  
 SHEET NUMBER 6-2 SECTION FROM 42 TO 60 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 276.5'  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
	with disseminated pyrite							
42-45	Syenite with massive inclusions of quartz & pyroxene, with a little pyrite							
45-47	Calcite inclusion containing pyroxene, biotite, pyrite & apatite.							
47-49.5	Syenite							
49.5-50	Massive inclusion of calcite, pyroxene, pyrite, & apatite.							
50-54	Parrghnaiss							
54-60	Syenite with a small calcite - pyroxene inclusion							

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# DIAMOND DRILL RECORD

PROPERTY..... SMOKEY..... HOLE No. 6  
 SHEET NUMBER 6-3..... SECTION FROM 60..... TO 71.5..... STARTED.....  
 LATITUDE..... DATUM..... COMPLETED.....  
 DEPARTURE..... BEARING..... ULTIMATE DEPTH 276.5'  
 ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	at 57.5								
60 -64.5	<del>xxxx</del> Calcite inclusion containing masses of pyroxene, biotite feldspar, & apatite and muscovite.								
64.5-65.2	Syenite								
65.2-65.5	Calcite inclusion containing pyroxene & apatite								
65.5-70.1	Syenite cut by bands of pyroxene and quartz.								
70.1-71	Calcite inclusion containing pyroxene, biotite, pyrite, apatite & fluorite.								
71-71.5	Paragneiss.								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 6  
 SHEET NUMBER 6-4 SECTION FROM 71.5 TO 89 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 276.5'  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
71.5-73.5	Massive quartz with a 2" inclusion of calcite & pyroxene at 72.5								
73.5-80	Syenite cut by scattered bands of pyroxene with a few small inclusions of quartz								
80-83	Calcite inclusion containing massive biotite, pyroxene, and apatite plus a little pyrite.								
83-89	Syenite cut by bands of pyroxene with a few small scattered inclusions								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 6  
 SHEET NUMBER 6-5 SECTION FROM 89 TO 109 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 276.5'  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	of quartz and crystalline pyroxene								
89-92	Very course grained granite								
92-96.5	Paragneiss with a 6" inclusion of calcite, pyroxene, & biotite at 94.								
96.5-97.5	Inclusions of biotite & calcite and apatite								
97.5-104	Alternating bands of feldspar, pyroxene, quartz and fine grained biotite.								
104-105	Calcite, biotite inclusion								
105-109	Band of massive quartz								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 6  
 SHEET NUMBER 6-6 SECTION FROM 109 TO 125.8 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 276.5'  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	with inclusions of pyroxene and scattered pyrite.								
109-110.5	Inclusion of calcite and biotite								
110.5-112.5	Syenite cut by bands of pyroxene with small inclusions of calcite and quartz								
112.5-120	Syenite with a small band of pyroxene at 120								
120-125.8	Massive quartz intersected by a few scattered bands of pyroxene, also disseminated biotite and pyrite								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 6  
 SHEET NUMBER 6-7 SECTION FROM 125.8 TO 174 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 276.5'  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
125.8-130	Massive calcite and biotite with a little apatite and muscovite.								
130-132.5	Syenite								
132.5-135	Massive calcite and biotite with, diopside, feldspar, apatite and muscovite								
135-138.5	Paragneiss								
138.5-140	Fine - grained syenite								
140-147.5	Pyrxenite containing small quantities of biotite, muscovite, pyrite, feldspar, & calcite								
147.5-174	Paragneiss with a 3"								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 6  
 SHEET NUMBER 6-8 SECTION FROM 174 TO 197.5 STARTED  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH 276.5'  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	inclusion of calcite at 171.5								
171-174.8	Pyroxenite								
174.8-176.5	Massive quartz intersected by bands of biotite and pyroxene. There is also a little apatite present.								
175.5-180	Pyroxenite containing biotite, apatite and pyrite.								
180-195	Paragneiss								
195-197.5	Calcite, biotite, apatite inclusion with a few small masses of feldspar and								

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# DIAMOND DRILL RECORD

PROPERTY..... SMOKEY..... HOLE No. 6  
 SHEET NUMBER..... 6-9..... SECTION FROM 197.5 TO..... STARTED.....  
 LATITUDE..... DATUM..... COMPLETED.....  
 DEPARTURE..... BEARING..... ULTIMATE DEPTH 276.5'  
 ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	pyroxene.								
197.5-205.5	Paragneiss with disseminated pyrite								
205.5-209.5	Massive caelite, apatite and biotite, with a few scattered masses of pyroxene and feldspar								
209.5-271	Paragneiss with a 6" inclusion of pyroxenite at 25.5								
271-276.5	Syenite								
276.5	HOLE ENDS								

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# DIAMOND DRILL RECORD

PROPERTY..... SMOKEY..... HOLE No. .... 7.....  
 SHEET NUMBER..... 7-1..... SECTION FROM..... 0..... TO..... 47.8..... STARTED.....  
 LATITUDE..... DATUM..... COMPLETED.....  
 DEPARTURE..... BEARING..... ULTIMATE DEPTH.....  
 ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
0-10	Casing								
10-17	Light fine-grained syenite.								
	Ra ioactivity is $2\frac{1}{2}$ times background								
	at 12.5								
17-37.5	Massive quartz and sy nite cut by bands of pyr xene								
37.5-41	Syenite								
41-44.5-	Massive quartz containing diss-								
	eminated pyrite and a little								
	pyroxene.								
44.5-47.5	Fine-grained syanite								
47.5-47.8	Inclusion of pyroxene and calcite in syenite								

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*Bradley Brown*

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*J. S. Hodgson*

# DIAMOND DRILL RECORD

PROPERTY..... SMOKEY..... HOLE No. 7.....  
 SHEET NUMBER 7-2..... SECTION FROM 47.8 TO 68..... STARTED.....  
 LATITUDE..... DATUM..... COMPLETED.....  
 DEPARTURE..... BEARING..... ULTIMATE DEPTH.....  
 ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
47.8-56.8	Syenite containing many small inclusions of pyroxene and traces of pyrite.								
56.8-67.5	Syenite paragneiss with massive inclusions of quartz								
67.5-68	Massive inclusion of calcite and pyroxene. Radioactivity is 2 times background due to presence of a black shiny mineral having conchoidal fracture.								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 7  
 SHEET NUMBER 7-3 SECTION FROM 68 TO 97 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
68-73.5	Rock containing 80% quartz varying from massive to almost a quartzite rock and containing inclusions of pyroxene, feldspar, biotite, muscovite and calcite with disseminated pyrite.								
73.5-74.5	Medium-grained syenite								
74.5-82	Large masses of quartz pyroxene and feldspar, with scattered biotite and pyrite								
82-97	Paragneiss consisting								

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*J. S. Hodgeson*

# DIAMOND DRILL RECORD

PROPERTY ..... SM KEY ..... HOLE No. 8  
 SHEET NUMBER 7-4 ..... SECTION FROM 97 ..... TO 102 ..... STARTED .....  
 LATITUDE ..... DATUM ..... COMPLETED .....  
 DEPARTURE ..... BEARING ..... ULTIMATE DEPTH .....  
 ELEVATION ..... DIP ..... PROPOSED DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	of bands of quartz, feldspar, pyroxene & scattered pyrite and biotite.								
97-97.5	Inclusion of pyroxene with calcite and pyrite and a few crystals up to $\frac{1}{4}$ " diameter of a black, shiny radioactive mineral, Radioactivity over the section is as high as 20times background.								
97.5-99.5	Syenite								
99.5-102	Massive inclusions of								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 7  
 SHEET NUMBER 7-5 SECTION FROM 102 TO 118 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	pyroxene and pyroxenite plus small sections of quartz, feldspar and calcite,								
102-105	Syenite with small scattered inclusion of pyroxene and calcite. A little disseminated pyrite is present.								
105-107	Massive inclusion of pyroxene and calcite with disseminated pyrite and apatite.								
107-118	Syenite containing								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 7  
 SHEET NUMBER 7-6 SECTION FROM 118 TO 156 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	many small inclusions of pyroxene, calcite and biotite with disseminated pyrite.								
118-122	Paragneiss								
122-125.5	Pegmatite consisting of very course grained and a little quartz & pyroxene.								
125.5-135	Paragneiss								
135-138	Inclusion of massive quartz and pyroxene with a little apatite & <del>apatite</del> & pyrite.								
138-156	Syenite								

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*J. S. Hodgson*

# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 7  
 SHEET NUMBER 7-7 SECTION FROM 156 TO 194 STARTED  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
156-168.5	Syenite cut by bands of quartz and <del>quartz</del> pyroxene with small amounts of pyrite and calcite.							
168.5-173.5	Syenite							
173.5-176	Massive inclusion of quartz containing a little feldspar, pyrite and pyroxene							
176-182.5	Syenite with one small massive inclusion of pyroxene at 181.5							
182.5-194	Paragneiss cut by a 1" band of quartz at 189.5							

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 7  
 SHEET NUMBER 7-8 SECTION FROM 194 TO 240 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
	Also a 6" inclusion of pyroxite at 193.6							
194-199	Syenite							
199-214	Paragneiss							
214-218	Syenite w th a low angle fracture filling of pyroxene.							
218-239	Paragneiss with inclusions of quartz, calcite, pyroxene and disseminated pyrite.							
239-240	Massive quartz inclusion containing a little disseminated pyrite and pyroxene							

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*John Hodgson*

# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 7  
 SHEET NUMBER 7-9 SECTION FROM 240 TO \_\_\_\_\_ STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
240-251	Paragneiss							
251-261	Syenite							
261-319	Paragneiss							
319	END OF HOLE							

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# DIAMOND DRILL RECORD

PROPERTY..... SM KEY..... HOLE No. 8  
 SHEET NUMBER 8-1..... SECTION FROM 0 TO 22.5 STARTED.....  
 LATITUDE..... DATUM..... COMPLETED.....  
 DEPARTURE..... BEARING..... ULTIMATE DEPTH.....  
 ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
0-7	Casing							
7-8.5	Paragneiss							
8.5-10.2	Pyroxenite with small inclusions of calcite and biotite.							
10.2-13	Calcite inclusion containing biotite and apatite							
13-14.5	Syenite with inclusions of pyroxene							
14.5-22.5	Syenitic paragneiss with small inclusions of calcite biotite and pyroxene.							

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*Bradley Bros.*

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*J. S. Hodges*

# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 8  
 SHEET NUMBER 8-2 SECTION FROM 22.5 TO 75.5 STARTED  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
22.5-25.2	Pyroxenite with a large percentage of biotite.								
25.2-28	Syenite								
28-30	Micaceous gneiss also containing pyroxene, biotite and feldspar								
30-36	Paragneiss composed of large concentrations of biotite, pyroxene and feldspar, intermingled to show the paragneissic structure								
36-59	Syenite								
59-75.5	Syenite with many small								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 8  
 SHEET NUMBER 8-3 SECTION FROM 75.5 TO 98.5 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	inclusions (up to 3" wide) composed								
	of pyroxene, calcite, biotite and								
	apatite. One small crystal of								
	titanite at 61 was seen								
75.5-80	Syenitic paragneiss								
80-98.5	Syenite containing many small								
	inclusions of calcite, pyroxene,								
	biotite, and crystals of apatite								
	and titanite, and disseminated								
	pyrite. In many sections the								
	inclusions appear like a breccia.								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 8  
 SHEET NUMBER 8-4 SECTION FROM 98.5 TO 147.5 STARTED  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
98.5-104	Calcite inclusion containing small masses of biotite & apatite and feldspar and quartz								
104-127	Paragneiss containing bands of pyroxenite (up to 3" in width)								
127-128.5	Syenite								
128.5-137	Pyroxenite containing a few bands of syenite with small concentrations of biotite.								
137-147.5	Syenitic paragneiss with a 4" inclusion of pyroxene & calcite at 141.								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 8  
 SHEET NUMBER 8-5 SECTION FROM 147.5 TO 201 STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
147.5-152.5	Syenite intersected by bands of pyroxene, calcite, biotite, with disseminated pyrite.								
152.5-161.5	Syenite.								
161.5-172.5	Syenite containing many small inclusions of pyroxene calcite, biotite, quartz and pyrite. Inclusions take the form of breccia								
172.5-176	Syenitic paragneiss with an inclusion of pyroxenite between								
176-201	<del>255</del> 25' zone of well-developed								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 8  
 SHEET NUMBER 8-6 SECTION FROM 201 TO 217.5 STARTED  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	mineralization consisting of calcite,								
	biotite, pyroxene (running to a								
	pyroxenite ) feldspar, apatite								
	& phlogopite.								
201-205	Paragneiss								
205-207.5	Syenite								
207.5-210	Paragneiss with a 2" inclusion								
	of pyroxene, biotite and pyrite at								
	209.5								
210-214.5	Syenite with a band of								
	paragneiss between 2120213								
214.5-217.5	Inclusion consisting of biotite								
	calcite, apatite & feldspar								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 8  
 SHEET NUMBER 8-7 SECTION FROM 217.5 TO 282 STARTED  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
217.5-222	Paragneiss								
222-227.5	Massive quartz containing small masses of feldspar and disseminated pyrite. Also present is staining in fractures which is a purplish brown colour.								
227.5-245	Paragneiss (biotitic)								
245-251	Syenite with small fracture-like inclusions of pyroxene.								
251-269	Syenitic paragneiss								
269-282	<del>Syenitic paragneiss</del> 13" pocket of well-crystalized calcite, biotite, pyroxene.								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 8  
 SHEET NUMBER 8-8 SECTION FROM 282 TO 306.5' STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
	(running <del>rx</del> to pyroxenite )								
282-287	Syenite								
287-288	Pyroxene and calcite inclusion. There is a one inch concentration								
	of biotite at 287								
288-295.5	Syenite paragneiss with <del>some</del> inch concentration of biotite and								
	phlogopite								
295-297	Calcite biotite pyroxene inclusion								
297-305	Syenite								
305-306.5	Pyroxene biotite inclusion with a trace of calcite.								

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# DIAMOND DRILL RECORD

PROPERTY SMOKEY HOLE No. 8  
 SHEET NUMBER 8-9 SECTION FROM 306.5 TO \_\_\_\_\_ STARTED \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ BEARING \_\_\_\_\_ ULTIMATE DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_ PROPOSED DEPTH \_\_\_\_\_

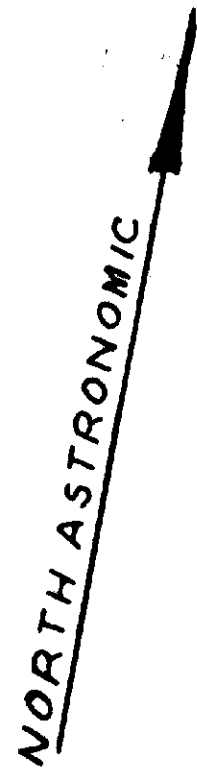
DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
306.5-307.5	Pink calcite containing a little disseminated . Pyroxene and traces of biotite.							
307.5-312	Syenite							
312-312.5	Pyroxene calcite inclusion							
312.5-322	Syenite with two inch concentration of calcite and biotite with disseminated Pyrite at 321.5							
322	END OF HOLE							

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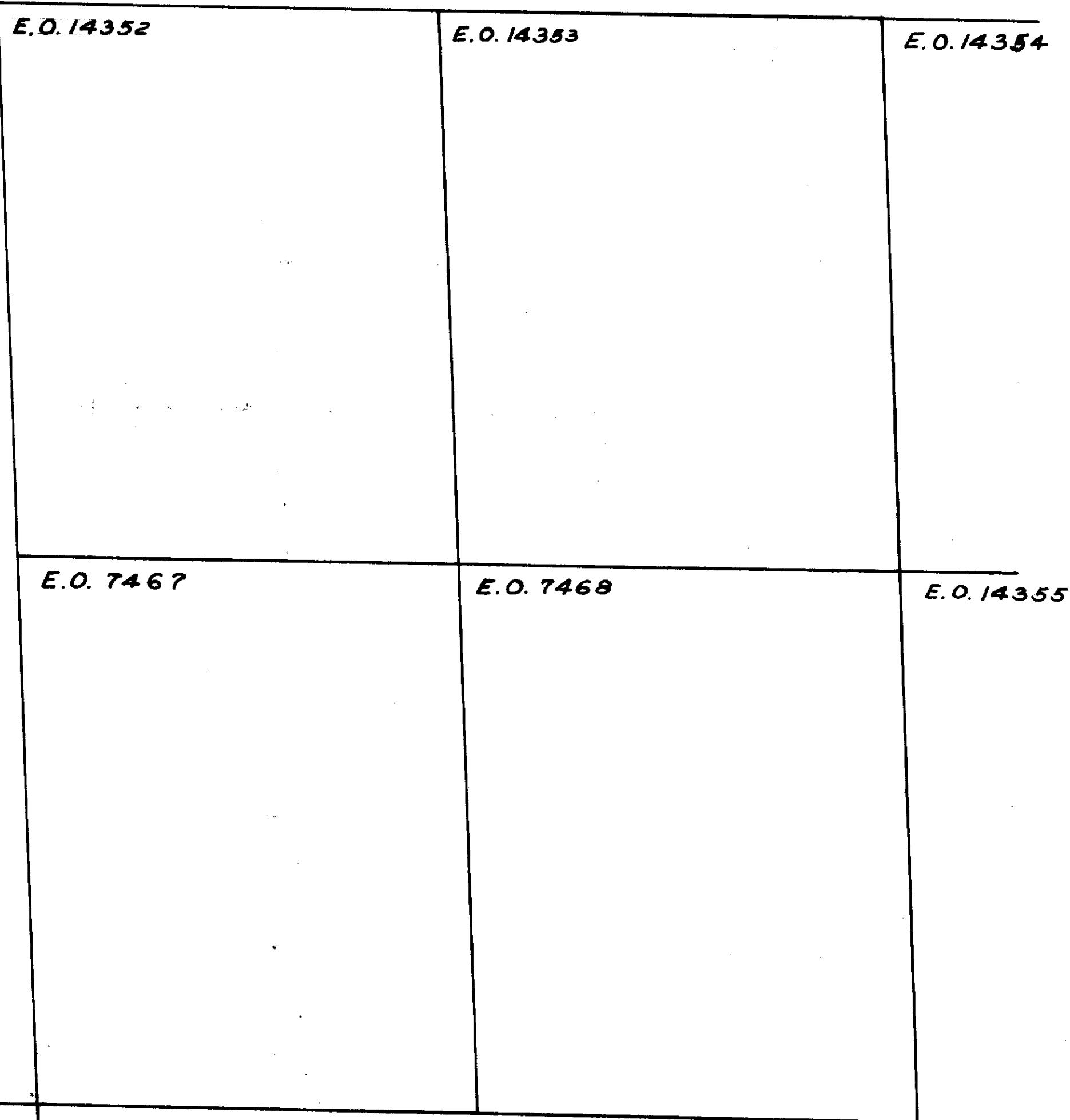
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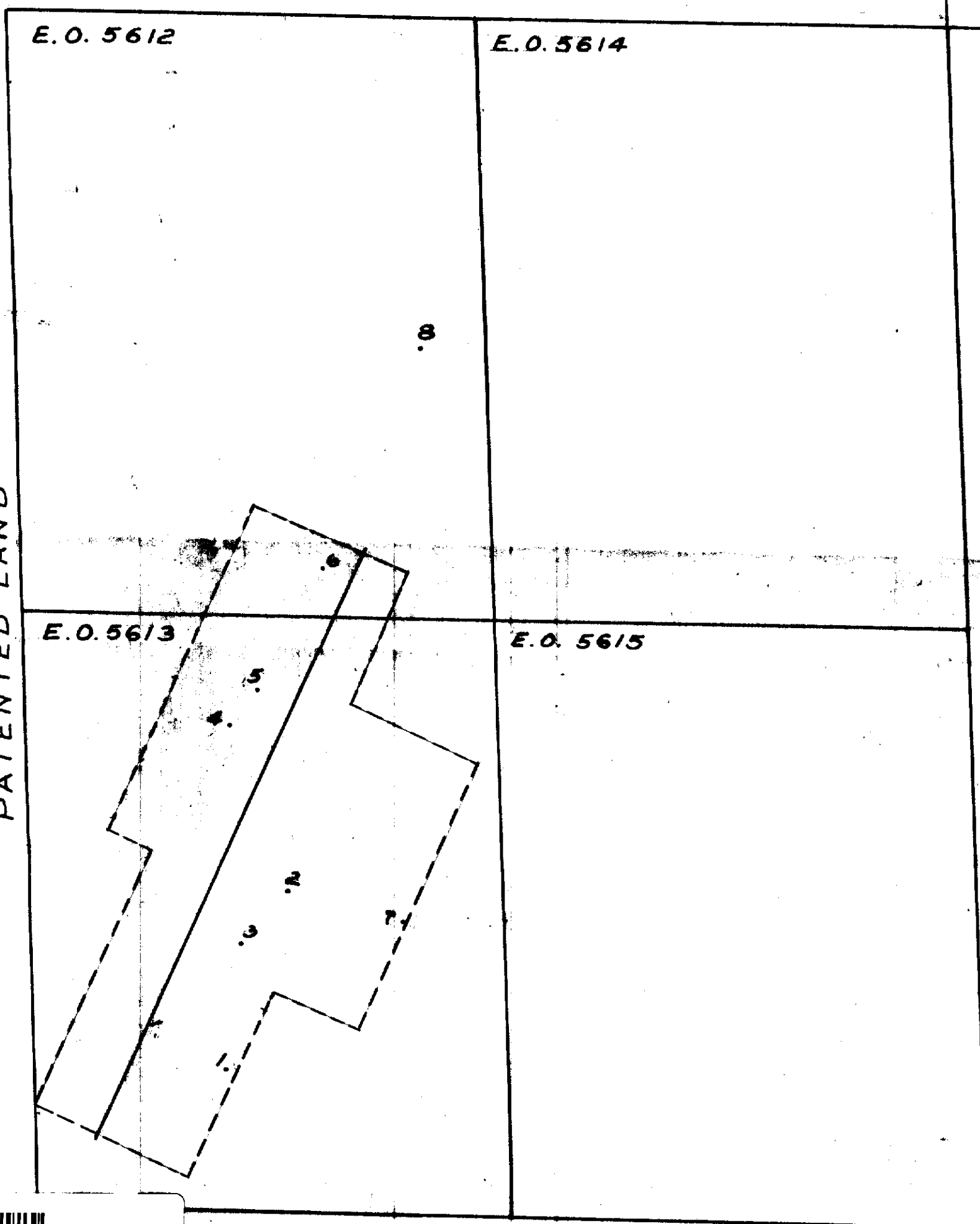
*J. S. Hodgson*



PATENTED LAND



PATENTED LAND



PATENTED LAND

SCALE : 1" = 5 Chains.

PATENTED LAND

PATENTED LAND

MAP OF  
OLD SMOKEY  
SHOWING  
LOCATION of D.D. HOLES  
AND  
SCINTILLOMETER  
SURVEY

