



# FIELD DATA SHEET LITHOLOGY LOG

HOLE NO. <u>GS 16</u>
DATE <u>OCTOBER 1979</u>
PROJECT GEOLOGIST <u>A. WALKER</u>

HOLE NUMBER GS #16

SOURCE MAP 4-79

REMARKS \_\_\_\_\_

DEPTH		LITHOLOGY
TO	FROM	
60'	0'	<p><u>OBSIDIAN</u>: - MOSTLY RED, BROWN, AND BLACK WITH MIXTURES OF ALL THREE COLORS (STREAKS). FAIRLY WELL FRACTURED WITH SHARP GLASS EDGES, SOMETIMES EACH INDIVIDUAL GLASS CHIP SHOWS SOME WELL ROUNDED FEATURES. USUALLY SMALLER CHIPS ARE BETTER ROUNDED. SOME OF THE DARK CHIPS ARE SMOKEY AND SOMEWHAT CLEAR WHEN HELD UP TO A LIGHT SOURCE. FIRST 20' IS MIXTURE OF TOP SOIL, OBSIDIAN AND RHYOLITE (RHYOLITE TUFF?). CLAY/SILT PRESENT ~10% - LIGHT TAN IN COLOR.</p>
100'	60'	<p><u>RHYOLITE</u>: GRAY GROUNDMASS AND FAIRLY FINE-MED. GRAINED. - GROUNDMASSES ARE SHADES (FLOWS?) OF GRAY WITH SMALL AMOUNT OF FELDSPAR PHENOCRYSTS.</p>
200'	100'	<p><u>RHYOLITE</u>: LARGER CHIPS (AVG. SIZE <math>\frac{3}{8}</math>" ) GRAY SHADES SAME AS ABOVE. SUBANGULAR TO SUBROUNDED. TAN CLAY/SILT STILL PRESENT. RED &amp; BLACK OBSIDIAN CHIPS APPEAR &lt;10% - SAME CHARACTERISTICS AS ABOVE. @160' A SLIGHTLY REDDISH TUFF APPEARS GRADATIONAL 20-40% OF SAMPLE UP TO ~250'. VERY CRYSTALLINE WITH LOTS OF QZ FROM 200'-250' TUFF INCREASES UP TO ~60-70%.</p>



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SOURCE MAP A-79

REMARKS \_\_\_\_\_

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DEPTH		LITHOLOGY
TO	FROM	
360'	250'	LIGHT PINK TO RED <u>CRYSTAL TUFF</u> 60-70%. VERY HOMOGENEOUS WITH LOTS OF QTZ. <u>GRAY RHYOLITE</u> 10-20% SAME AS UPPER PART OF HOLE. RED & BLACK <u>OBSIDIAN</u> 10%. CHIPS AGAIN MORE ANGULAR > 1/8" AND MORE ROUNDED < 1/8".
450'	360'	<u>RHYOLITE</u> - GRAY 30-40% OCCASSIONAL FLOW BANDING. <u>OBSIDIAN</u> INCREASE TO 20-25% - SAME AS ABOVE DARKER PINK <u>CRYSTAL TUFF</u> ONLY 10-50%.
580'	450'	RED TO PINK <u>CRYSTAL TUFF</u> 90%. VERY CRYSTALLINE CONTAMINATING CHIPS (RHYOLITES & <u>OBSIDIAN</u> ) < 10%.
670'	580'	LOST CIRCULATION - 0% RETURNS
710	670	<u>GRAY RHYOLITE</u> - VERY COARSE CHIPS (> 1/4") 90%. DEFINATELY Banded - <u>OBSIDIAN</u> CHIPS ~ 10% SAME AS ABOVE.
2000	710'	LOST CIRCULATION 0% RETURNS
TOTAL DEPTH 2000'		