

LITHOLOGIC LOG

Project: 864 (McCoy)

Hole: 81

Elevation: 5480' MSL

Date Drilled: 3/25/81


Location: SW 1/4 SW 1/4 Sec 29 T22N R39E

Method: air/foam injection

Geologist: Mark Avery

Gamma: N/A

(TD = 91.46 meters)

Depth (m)	Description
0- 3	Overburden
3-13	Altered gray-grayish white very fine-grained to fc ash-fall and x-tal ashflow tuffs. Most chips crumble easily with alteration of feldspars to white montmorillic clay. Iron staining present. Relic phenocrysts in x-tal ashflow tuffs often replaced with iron oxides. Mafic minerals (biotite) and hornblende (present as elongated phenocrysts) in altered ashflow tuffs.
13-16	Highly altered and iron-stained tuffs and tuffaceous sediments. Latter contains rounded gravels of ashflow tuffs as in 3-13m.
16-30	White beige tuffaceous sediments. Very fine-grained, banded with alternating white/beige laminae. High content of clay.
30-36	(As in 13-16m).
36-60	White-gray thinly bedded to laminated tuffaceous sediments.
60-70	More gray tuffaceous sediments as before with 40% hornblende (phenocrysts 0 →  in shape) rich altered tuffs (also gray in color).
70-91.46	White to gray banded and laminated tuffaceous sediments (rarely as thin beds) with 10-20% altered x-tal tuffs (gray). Very soft and light, crumbles easily. High clay content.