

State of Arizona  
Bureau of Geology and Mineral Technology

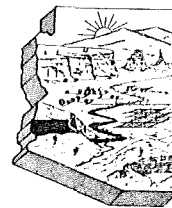
## Geological Survey Branch

## Geothermal Group

2045 N. Forbes Blvd., Suite 106

Tucson, Arizona 85705

(602) 626-4391



## DRILL HOLE CUTTINGS SKIM LOG

W.R. HAHMAN, SR.

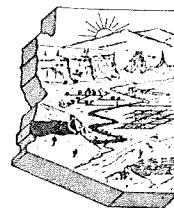
MARCH 15, 1979

POWERS RANCH #1

<u>Interval</u>	<u>Description</u>
6370-80	Red sltstn, gyp. mag., biotite, halloysite?, quartz
6380-90	Same as above
6400-10	Red sltstn, cht, bio. halloy?, gyp., quartz
6430-40	Red sltstn, w/white biotite tuff? halloy, qtz & gyp.
6460-70	Red sltstn., red ark., bio., pink wht xl tuff, gyp. & halloy
6580-90	Red brn sltstn, halloy mag. bio., clear dolo? or calc in gyp. fract.
6590-00	Red brn sltstn, red brn xl tuff, bio., gyp?, mag.
6600-10	Red brn sltstn., red brn tuff & xl tuff, mag., bio., halloy, wht tuff.
6610-20	Red brn sltstn., pink & wht. xl tuff, mag., musc. Contact
6620-30	Dacite, probable top Superstition volcanics
6630-40	Red brn. sltstn. minr. tuff, bio., halloy, musc., gyp.
6640-50	Drilling mud & vfg. vol. gray in color, dacite?
6650-60	Gray brn. dacite? copious drilling mud
6670-80	Gray dacite xl tuff, minr. red. brn. sltstn.
6680-90	Pulverized discrete angular min. grains, minor dacite tuff frags.
6690-00	Same as above, cave from up hole, probably dacite.
6710-20	95% cave, 5% dacite
6720-30	Same as above to 6750.
6750-60	60% gray white dacite, 40% cave.

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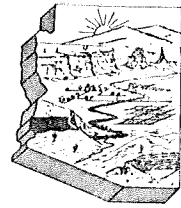
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<u>Interval</u>	<u>Description</u>
6760-70	Same as above.
6770-80	Same as above, 50-50.
6780-90	Same as above, 20% dacite, 80% cave.
6790-6800	80% dacite, 20% cave.
6800-10	80-20 to 90-10 cave over dacite.
6810-7010	Cave & dacite.
7010-20	50% dacite, 20% vfg. ss., 30% cave; dacite & cave?
7020-70	Cave and dacite.
7070-80	50% vfg. pink ss., 20% dacite, 30% cave.
7080-90	Dacite vfg. pink ss. & cave.
7090-7100	Dacite vfg. ss cave? Mostly volcanics.
7100-10	Same as above, abdt. drilling mud.
7200-10	Volcanics and sedimentary rock, vf. particles, considerable cave.
7300-10	Dacite, volcanics, arkose, not much cave.
7400-10	No sample.
7410-20	Pink & red sed. and volcanics; caving.
7500-10	Shale, pink & red, red-pink ss. and red & gray volcanics, abundant cave; grays are dacite.
7600-10	Red & gray dacite tuffs, mn. red sh. & sltstn, abdt. cave.
7700-10	Red gray pink dacite tuff & welded tuff, abdt. cave.
7800-10	Same as 7700-7710.
7900-10	Same as 7700-7710, but with tuffaceous argillites.
8000-8010	Red & pink tuff & welded tuff, dacite, abundant cave.
8100-10	Red tuff with abundant cave.
8200-10	Pink xl tuff, abdt. cave, latite to dacite, in comp.

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<u>Interval</u>	<u>Description</u>
8300-10	Reddish brn., pink & white tuff & xl tuff, abdt. cave.
8400-10	Same as 8300-8310, very little cave.
8500-10	Same as 8400-8410.
8600-10	Same as 8500-8510.
8700-10	Same as 8600-8610.
8800-10	Same as 8700-8710, mostly dacite.
8900-10	Same as 8800-8810.
9000-9010	Same as above. Mostly gray dacite xl tuff, very little cave.
9100-10	Same as 9000-9010.
9200-9207 TD	Gray, gray brn. dacite xl. tuff., biotite to chlorite, (propylitic alteration.)