Drilling co. 9-16-77
Driller [illegible] Cowboy
Boyles Bros Drilling

Newberry Well #1 (PERMIT 17)

T21 S-R13E Sec 15 ddb

Depth From	To	Thickness	Description
0	2	2	recent sediment
2	3	1	Mazama pumice
3	161	158	Sediment-sand, gravel, boulders and pumice
161	205	44	red cinders
205	211	6	cinder-basalt breccia
211	236	25	basalt with pumice, xenoliths & feldspar phenocrysts
4" casing to 214			
236	238	2	bottom flow breccia
238	260	22	(poor recovery) sediment
260	280	20	sediments: mainly tuffaceous with pumice, sand, gravel, and boulders
280	321	41	frothy to flow banded dacite
321	462	141	sediments
462	473	11	red cinders increasingly welded with depth
NC casing to 460'			
473	485	12	grey andesite (?) with large feldspar phenocrysts and some cinders mixed in
485	486	1	bottom flow breccia
cement to 496'			
486	502	16	tuffaceous sed
502	505	3	cinders and basalt
505	525	20	black vesicular basalt with some opal and an orange mineral in joints. Also contains cinders near top
525	527	2	bottom flow breccia and cinders
527	540	13	(poor recovery) tuffaceous sed. with basalt cobbles
cement 565-503			
540	576	36	basalt
576	584	8	(no recovery-soft) seds (?)
584	586½	2½	basalt and breccia
586½	587½	1	brown clayey sed.
587½	603	15½	grey pumice welded tuff
603	605½	2½	brown sed. with basalt cobble
605½	831	225½	dacite flow larger grain size with depth. Mineralization in joints below 655'
831	834	3	black scoria, unconsolidated
834	838	4	brown soil
838	860	22	tuffaceous sed.
860	861	1	basalt
861	863	2	clayey sand
863	864	1	white ash
864	865	1	clayey sand
865	901	36	sed
901	907	6	red cinders
907	910	3	black cinders
910	913	3	red cinders
913	916	3	grey tuff or ash with yellow clasts and pink zones

Newberry Well #1

T21 S-R13E Sec 15 ddb

Depth From	To	Thickness	Description
916	917	1	yellow sand
917	958	41	basalt
cement 900-937			
958	959	1	cooked soil horizon with cinders
959	971	12	basalt
971	972	1 (recov. less)	red cooked sed.
972	973	1	white pumice with black scoria clasts
973	977	4	black scoria with yellow cement
977	978	1	red cinders (very poor recov) and basalt 2'
78	985	7	red cinders (very poor recovery)
985	1009	24	vesicular basalt less ves toward bottom
1009	1020	11	red cinders, very poor recovery of 2'
1020	1026	6	basalt
1026	1027	1	red cinders
1027	1042	15	sand fine to coarse cobbles from 1035-1042
1042	1057	15	andesite
1057	1060	3	red cinders, soft
1060	1061	1	yellow pumice
1061	1064	3	some with andesite frags. Bad drilling - poor recovery probably top of flow
1064	1088	24	andesite
1088	1089	1	no recovery
1089	1093	4	welded tuff with large black pumice clasts
1093	1094	1	very poor recovery cinder andesite fragments
1094	1107	13	red cinders with andesite clasts
1107	1248	141	andesite (fractured)
1248	1250	2	welded tuff, badly altered @ top contact
1250	1266 (?) (rods twisted off)		Andesite