

TEMPERATURE-DEPTH LOG

Hole Name Powell Butte #1 Twp/Rg/Sec 16S / 14E / 16Ab  
 Company/Owner (address) DOGAMI / Lundquist Hole No. PB #1  
 Map Powell Butte 7.5' Drill Depth & Date 1505 ft / 1-27-81 Zero Elev. \_\_\_\_\_  
 Probe, Cable, Bridge \_\_\_\_\_ Operator Petros  
 Comments Cold H<sub>2</sub>O put in hole in the upper 50-m. Date Probed 1/29/81

*16Ab*

Depth meters	Resistance ohms	Temperature °C	ΔT/Δx °C/km	Comments
5	143.90	9.85		Drifting ↑
10				"
15	121.12	14.98		"
20				"
25	119.34	15.41		
30				
35	108.75	18.06		
40				
45				Steady
50	101.70	19.94	1.28	
55	97.12	21.22	1.09	
60	93.35	22.31	0.34	
65	91.22	22.65	0.96	
70	89.04	23.61	1.05	
75	85.65	24.66	1.05	
80	84.34	25.08	0.42	
85	82.99	25.52	0.64	
90	81.05	26.16	0.44	
95	79.74	26.60	0.69	
100	77.73	27.29	0.45	
105	76.43	27.74		

B	A
C	D

TEMPERATURE-DEPTH LOG

Hole Name Powell Buttes #1 Twp/Rg/Sec 16S/14E/16Aba  
 Company/Owner (address) DORAMI/Lundquist Hole No. PB#1  
 Map Powell Butte 7.5' Drill Depth & Date 1505ft/1-27-81 Zero Elev. \_\_\_\_\_  
 Probe, Cable, Bridge Spafford digital Operator Petros  
 Comments \_\_\_\_\_ Date Probed 1/29/81

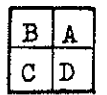
Depth meters	Resistance ohms	Temperature °C	ΔT/Δx °C/km	Comments	
120	110	75.31	28.14	0.40	
125	115	74.04	28.59	0.28	
130	120	73.27	28.87	0.38	
135	125	72.25	29.25	0.32	
140	130	71.37	29.57	0.29	
145	135	70.60	29.86	0.31	
140	140	69.80	30.17	0.21	
155	145	69.24	30.38	0.24	Hole sucking air
160	150	68.63	30.62	0.29	"
165	155	67.88	30.91	0.32	"
170	160	67.07	31.23	0.29	"
175	165	66.35	31.52	0.20	"
180	170	65.85	31.72	0.48	
185	175	64.68	32.20	-0.16	Stepped scaling on
190	180	65.07	32.04	0.96	
195	185	62.77	33.00	0.94	
200	190	60.57	33.94	0.56	
205	195	59.32	34.50	0.38	
210	200	58.47	34.88	0.38	
200	205	57.86	35.15	0.27	
220	210	57.20	35.46	0.31	



TEMPERATURE-DEPTH LOG

Hole Name Powell Buttes #1 Twp/Rg/Sec 16S / 14E / 16Aba  
 Company/Owner (address) DD&A/Ami/Lunquist Hole No. PB#1  
 Map Powell Butte 7.5' Drill Depth & Date 1505 ft / 1-27-81 Zero Elev. \_\_\_\_\_  
 Probe, Cable, Bridge Spafford digital Operator Petros  
 Comments \_\_\_\_\_ Date Probed 1/29/81

Depth meters	Resistance ohms	Temperature °C	ΔT/Δx °C/km	Comments
225	220 R 56.79	35.65	0.30	
230	225 Y 56.15	35.95	0.30	
235	230 R 56.20	35.93	-0.02	
240	235 Y 55.62	36.20	0.27	
245	240 R 54.84	36.57	0.37	
250	245 R 54.22	36.87	0.30	
255	250 R 53.67	37.15	0.28	
260	255 Y 52.94	37.51	0.36	
265	260 R 52.30	37.83	0.32	
270	265 Y 51.48	38.25	0.42	
275	270 R 50.92	38.54	0.29	
280	275 Y 50.21	38.91	0.37	
285	280 R 49.47	39.31	0.4	
290	285 Y 48.94	39.59	0.28	
295	290 R 48.59	39.78	0.19	
300	295 R 47.90	40.16	0.38	
305	300 R 47.90	40.16	0.00	
310	310 Y 47.76	40.24	0.08	
315	315 R 46.98	40.67	0.43	
320	320 Y 45.54	41.50	0.83	
325	325 R 44.25	41.67	0.17	



TEMPERATURE-DEPTH LOG

Hole Name Powell Buttes #1 Twp/Rg/Sec 16S, 14E, 16Abc  
 Company/Owner (address) DOGAMI/Lundquist Hole No. PB#1  
 Map Powell Butte 7.5 Drill Depth & Date 1505 ft 1-27-81 Zero Elev. \_\_\_\_\_  
 Probe, Cable, Bridge Spafford digital Operator Petros  
 Comments \_\_\_\_\_ Date Probed 1/29/81

Depth meters	Resistance ohms	Temperature °C	$\Delta T/\Delta x$ °C/km	Comments
330 330	Y 43.55	42.68	0.48	
335 335	R 42.78	43.16	0.40	
340 340	Y 42.13	43.56	0.21	
345 345	R 41.81	43.77	0.42	
350 350	R 41.15	44.19	0.63	
355 360	R 40.25	44.78	0.59	
360 365	Y 39.58	45.22	0.44	
365 370	R 38.97	45.64	0.42	
370 375	Y 38.26	46.13	0.49	
375 380	R 37.92	46.37	0.24	
380 385	Y 37.49	46.67	0.30	
385 390	R 37.74	46.49	-0.18	
390 395	Y 36.88	47.11	0.62	
395 400	R 36.05	47.71	0.60	
400 405	R 35.52	48.11	0.40	
405 410	R 34.95	48.55	0.44	
410 415	Y 34.42	48.95	0.40	
415 420	R 34.04	49.25	0.30	
420 425	Y 34.31	49.04	-0.21	
425 430	R 35.13	49.97 48.41	-0.63	How sucking air
430 435	Y 33.84	49.41	1.0	" " "

