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REPORT OF EXPLORATION PROGRESS, CENTRAL NEVADA

PERIOD JANUARY 1, 1968 - APRIL 1, 1969

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Bole	Coordinates N. B.	Blevation (feet above msl)	Interval drilled (footage)	T.D. (feet)	Planned T.D. (feet)	Activity during report period2/
JCe-1 (g)	1 <b>,395,000</b> 429,400	7,050±50	0-2,000	2,000	2,000	J
)Ce-2 (g)	1,293,700 523,000	6,200±50	0-1,659	1,659	2,000	]*
JCe-3 (g)	1,535,900 503,900	7,100±50	0-2,000	2,000	2,000	J*
)Co-4 (8)	1,403,300 467,200	6,990±25			200± into bedrock	Postponed
13e-5 (°)	1,462,000 476,300	6,875±25			200± into bedrock	Postponed
22-6 (6)	· 1,340,200 512,000	6,200±25			200± into bedrock	Postponed

<sup>y</sup>(ex) - Exploratory (c) - Exploratory (h) - Eydrologic test (i) - Instrument (s) Stratigraphic (a) - Coothermal

- $2J_{\Lambda}$  Ceologie maitoring B - Geophysical lorging C - Hydrologic testing
  - D Do progress

- B Bearing & casing
- F Hole completed
- G Role abandoned
- E Preliminary report 1a progress

## UNIVERSITY OF UTAH **RESEARCH INSTITUTE** EARTH SCIENCE LAB.

USGS-474-18 Central Nevada-30

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> References and renarks

TL: CN-7 (Dinwiddie)

TL: CN-27 (Hoover and others)

TL: CN-27 (Hoover and others)

I - Scheduled drill hole J - Proliminary report completed SWL - Static water level \* - Change from previous report

CONTRACTOR OF MAR AND THE STATEMENT

${\mathbb R}_{0}   e^{\frac{1}{2}}$ ${\mathbb R}_{0}$ ${\mathbb C}_{0}$ cordinates (feet sbove ms1)Elevation (feet sbove ms1) ${\rm Interval}$ (feet) ${\mathbb T}_{0}$ (feet) ${\mathbb P}_{1}$ and (feet) ${\mathbb A}_{1}$ tivity during report. ${\mathbb R}_{1}$ ${\mathbb W}_{0} = -7$ (s) $1,502,000$ $476,600$ $6,875225$ $$ $$ $200\pm$ into bedrockPostponed into bedrock ${\mathbb W}_{0} = -3$ (s) $1,579,900$ $680,400$ $6,390125$ $$ $$ $200\pm$ into bedrockPostponed into bedrock ${\mathbb W}_{0} = -9$ (s) $1,477,976$ $562,341$ $6,852$ Top of casing $0-3,295$ $3,295$ $200\pm$ into bedrock ${\mathbb J}_{0}$ ${\mathbb R}_{1}$ (Corr ${\mathbb W}_{0} = -10$ (s) $1,433,560$ $558,295$ $6,499$ Top of casing $0-2,963$ $2,963$ $2,963$ $200\pm$ into bedrock ${\mathbb J}_{0}$ ${\mathbb R}_{1}$ (Corr ${\mathbb W}_{0} = -11$ (s) $1,401,351^{\circ}$ $5,789$ $594,617$ $5,789$ Top of casing $0-4,206$ $4,206$ $200\pm$ into bedrock ${\mathbb J}_{0}$ ${\mathbb R}_{1}$ (Corr ${\mathbb W}_{0} = -13$ (s) $1,514,976$ $597,794$ $6,925$ $0-3,482$ $3,482$ $1,579$ $200\pm$ into bedrock ${\mathbb J}_{0}$ ${\mathbb R}_{1}$ (Corr ${\mathbb W}_{0} = -13$ (e) $1,655,605$ $597,794$ $6,241$ $0-1,579$ $1,579$ $1,579$ $200\pm$ into bedrock ${\mathbb J}_{0}$ ${\mathbb Z}_{1}$ ${\mathbb W}_{0} = -14$ (s) $1,444,963$ $682,524$ $6,241$ $0-1,548$ $1,548$ $200\pm$ ${\mathbb J}_{1}$ ${\mathbb R}_{1}$ <br< th=""><th>Concentration of the Concentration of the Concentra</th><th>the second se</th><th>and the second second</th><th></th><th>W</th><th>집</th><th>8</th><th>P2</th></br<>	Concentration of the Concentra	the second se	and the second		W	집	8	P2
$UCe-7$ (a) $1,502,000$ $6,875\pm25$ $\cdots$ $200t$ into bedrock       Postponed $UUe-8$ (s) $1,579,800$ $6,390\pm25$ $\cdots$ $200t$ into bedrock       Postponed $UCe-9$ (s) $1,477,976$ $6,852$ $562,341$ $0-3,295$ $3,295$ $200t$ into bedrock       J       IR: (Corr $UCe-9$ (s) $1,433,560$ $6,499$ $538,295$ $0-2,963$ $2,963$ $200t$ into bedrock       J       IR: (Corr $UCe-10$ (s) $1,433,560$ $538,295$ $6,499$ Top of casing $0-2,963$ $2,963$ $200t$ into bedrock       J       IR: (Corr $UCe-11$ (s) $1,401,3518$ $626,475$ $5,789$ Top of casing $0-4,206$ $4,206$ $200t$ into bedrock       J       IR: (Corr $UCe-11$ (s) $1,514,976$ $597,794$ $6,925$ $0-3,482$ $3,482$ $200t$ into bedrock       J       IR: (Corr $UCe-13$ (s) $1,655,605$ $597,794$ $6,241$ $0-1,579$ $1,578$ $200t$ into bedrock       J       IR: (Corr $UCe-14$ (s) $1,444,963$ $682,524$ $6,241$ $0-1,546$	Hole <sup>1/</sup>	Coordinates N. E.	Elevation (feet above msl)	Interval drilled (footage)	T.D. (feet)	Planned T.D. (feet)	Activity during report period2/	R
$UCa-8$ (s)1,579,800 660,4006,390±25 6,852 Top of casing $200 \pm \\ into \\ bedrock$ Postponed $UCe-9$ (s)1,477,976 562,3416,852 Top of casing0-3,2953,295 $200 \pm \\ into \\ bedrock$ JIR: (Core bedrock $UCe-10$ (s)1,433,560 558,2956,499 Top of casing0-2,9632,963 $200 \pm \\ into \\ bedrock$ JIR: (Core (Core bedrock $UCe-11$ (s)1,401,3514 626,4755,789 Top of casing0-4,2064,206 $200 \pm \\ into \\ bedrock$ JIR: (Core (Core bedrock $UCe-12a$ (s)1,514,976 594,6176,9250-3,482 $3,482$ 200 \pm \\ into \\ bedrockJIR: (Core (Core bedrock $UCe-13$ (s)1,655,605 682,5246,2410-1,5791,579 1,579JIR: (Core bedrock $Uce-13$ (ex)1,502,000 490,0006,875±25010,000Postponed	UCe-7 (s)	1,502,000 476,800	6,875±25			200± into bedrock	Postponed	
$Uce -9$ (s) $1,477,976$ $562,341$ $6,852$ Top of casing $0-3,295$ $3,295$ $200\pm$ into bedrockJIR: (Corr $Uce -10$ (s) $1,433,560$ $558,295$ $6,499$ Top of casing $0-2,963$ 	UCe-8 (s)	1,579,800 680,400	6,390±25			200± into bedrock	Postponed	
UGe-10 (s) $1,433,560$ $558,295$ $6,499$ Top of casing $0-2,963$ $2,963$ $200\pm$ into bedrockJIR: (CorrUCe-11 (s) $1,401,351\pm$ $626,475$ $5,789$ Top of casing $0-4,206$ $4,206$ $200\pm$ 	UCE-9 (s)	1,477,976 562,341	6,852 Top uf casing	0-3,295	3,295	200± into bedrock	J	IR: (Core
UCe-11 (s) $1,401,351^{*}$ $5,789$ Top of casing $0-4,206$ $4,206$ $200i$ into bedrockJIR: (CordUCe-12a (s) $1,514,976$ $594,6176,9250-3,4823,482200iintobedrockJIR:(CordUCe-13 (s)1,655,605597,7946,4010-1,5791,579200\pmintobedrockJIR:(CordUCe-14 (s)1,444,963682,5246,2410-1,5481,548200\pmintobedrockJIR:(CordUCe-15 (ex)1,502,000490,0006,875\pm25III0,000PostponedI$	UGC-10 (s)	1,433,560 558,295	6,499 Top of casing	0-2,963	2,963	200± into bedrock	J	IR: (Cord
UCe-12a(s)       1,514,976 594,617       6,925       0-3,482       3,482       200± into bedrock       J       IR: (Co         UGe-13(s)       1,655,605 597,794       6,401       0-1,579       1,579       200± into bedrock       J       IR: (Correlation of the second bedrock       IR: (Correlation of the second bedrock       J       IR: (Correlation of the second bedrock       IR: (Correlation of the second bedrock       J       IR: (Correlation of the second bedrock       IR: (Correlation of the second bedrock       J       I       I       I	UCe-ll (s)	1,401,351* 626,475	5,789 Tup of casing	0-4,206	4,206	200± into bedrock	J	IR: (Cord
UGe-13 (s) $1,655,605$ $597,794$ $6,401$ $0-1,579$ $1,579$ $200\pm$ into bedrockJIR: (Cord bedrock $Uce-14$ (s) $1,444,963$ $682,524$ $6,241$ $0-1,548$ $1,548$ $200\pm$ into bedrockJIR: (Cord into bedrock $Uce-15$ (ex) $1,502,000$ $490,000$ $6,875\pm25$ Image: Cord second $10,000$ Postponed	UCe-12a (s)	1,514,976 594,617	6,925	0-3,482	3,482	200± into bedrock	J	IR: (Co.
Une-14 (s) 1,444,963 682,524 6,241 0-1,548 1,548 200± J into bedrock I. (Core bedrock 10,000 Postponed	UGE-13 (s)	1,655,605 597,794	6,401	0-1,579	1,579	200± into bedrock	J	IR: (Cord
ULE-15 (ex) 1,502,000 6,875±25 10,000 Postponed 490,000	Uue-14 (s)	1,444,963 682,524	6,241	0-1,548	1,548	200± into bedrock	J	IR: (Cord
	ulle 15 (ea	1,502,000 490,000	6,875±25			10,000	Postponed	

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Holel	Coordinates N. E.	Élevation (feet above msl)	Interval drilled (footage)	T.D. (feet)	Planned T.D. (feet)	Activity during report period2/	Refere and remar
e-16 (ex)	1,499,400 437,000	6,875 <sup>±</sup> 25	0-4,353	4,353	້ອ,000	Н	TL: CN-27 (Hoover an
e-17 (ex)	1,430,622 628,172	6,545	0-7,100	7,978	8,000	J	TL: CN-13 (Hoover, 19
e-18 (ex)	1,396,833 635,840	5,763	0-6,514	6,514	8,000	J	TL: CN-2 CN-10
e-19 (ex)						Postponed	- na je Steriotar
e-20 (ex)	1,399,868 628,093	5,759	0-6,000	6,000	6,000		TL: CN-15 (Barnes and
9-21 (ex)*	1,397,350 668,406	5,862 (top of casing)	0-6,495	6,495	6,500	A, B, F, H	
-23 (ex)*	1,369,027 °683,895	5,799	0-6,500	6,500	6,500	A, B, F, H	

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References and remarks	
CN-27 over and others)	
CN-13 over, 1968a)	
CN-2 (Dixon and CN-10 (Snyder)	Snj
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CN-15* mes and Hoover)	ور چمر کروند د

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$-1$ (a) $1,414,340$ $628,921$ $6,104$ $0-3,275$ $3,275$ $3,250$ $J^*$ $TL:$ (Hood $-3$ (a)* $1,399,915$ $628,093$ $5,795$ (alab) $0-3,504$ $3,504$ $5,200$ ADept co 010 $-4$ (a)* $1,430,564$ $628,253$ $6,540$ (alab) $0-4,578$ $4,578$ $5,2005,200ADeptco010-1-1-1 (1)1,414,263628,9006,1040-3,5003,5003,500J^*TL:(Hoot-1-1-2 (1)1,414,320628,8476,0110-3,7043,7043,700J^*TL:(Hoot1-1 (h)1,411,443629,7206,0110-3,7043,7043,700J^*TL:(Hoot$	Holel	Coordinates N. E.	Elevation (feet above msl)	Interval drilled (footage)	T.D. (feet)	Planned T.D. (feet)	Activity during report period2/	.gov
-3 (e)* $1,399,915$ $628,093$ $5,795$ $(slab)$ $0-3,504$ $3,504$ $5,200$ ADept co $10$ $-4 (e)*$ $1,430,564$ $628,253$ $6,540$ $(slab)$ $0-4,578$ $4,578$ $-1-I-I$ $5,200$ ADept co $10$ $-1-I-I$ $1,414,263$ $628,900$ $6,104$ $0-3,500$ $3,500$ $3,500$ $J*$ TL: (Hoot $-1-I-2$ $1,414,320$ $628,847$ $6,104$ $0-1,500$ $1,500$ $1,500$ $J*$ TL: (Hoot $I-I$ $1,411,443$ $629,720$ $6,011$ $0-3,704$ $3,704$ $3,700$ $J*$ TL: (Hoot	-1 (e)	1,414,340 628,921	6,104	0-3,275	3,275	3,250	J*	TL: (Hoor
$-4$ (e)* $1,430,564$ $628,253$ $6,540$ (slab) $0-4,578$ $4,578$ $5,200$ ADept co $10$ $-1-I-1$ (i) $1,414,263$ $628,900$ $6,104$ $0-3,500$ $3,500$ $3,500$ $J^*$ $TL:$ (Hoot $-1-I-2$ (i) $1,414,320$ 	-3 (e)*	1,399,915 628,093	5,795 (slab)	0-3,504	3,504	5,200	A	Dept co 10 UC
-1-I-1 (i) $1,414,263$ $628,900$ $6,104$ $0-3,500$ $3,500$ $3,500$ $J*$ $TL:$ (Hoot $-1-I-2$ (i) $1,414,320$ $628,847$ $6,104$ $0-1,500$ $1,500$ $1,500$ $J*$ $TL:$ (Hoot $H-1$ (h) $1,411,443$ $629,720$ $6,011$ $0-3,704$ $3,704$ $3,700$ $J*$ $TL:$ (Hoot	4 (e)*	1,430,564 628,253	6,540 (slab)	0-4, 578	<b>4, 578</b> 	5,200	•••• ••••	Dept co: 10 UC
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	-l-I-l (i)	1,414,263 628,900	6,104	0-3,500	3,500	3,500	J*	TL: (Hoow
H-1 (h) 1,411,443 6,011 0-3,704 3,704 3,700 J* TL: 629,720 (Hoov	-l-I-2 (i)	1,414,320 628,847	6,104	0-1,500	1,500	1,500	J *	TL: (Hoov
	H-1 (h)	1,411,443 629,720	6,011	0-3,704	3,704	3,700	J*	TL: (Hoov

References and remarks

CN-17% over, 1968b)

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ths of lithologi ontacts within O ft of contacts Ce-17.

CN-17 ver, 1968b)

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CN-17 ver, 1968b)

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Holel	Coordinates N. E.	Elevation (feet above msl)	Interval drilled (footage)	T.D. (feet)	Planned T.D. (feet)	Activity during report period <sup>2</sup> /	
HTH-2 (h)	1,411,929 629,588	6,025225	0-1,000	1,000	1,000	1*	TL: (Hooy
HTH-3 (h)*	1,385,944 657,119	5,915	0-6,011	6,011	6,000	A, B, C, F, H	
HTH-4 (h)*	1,385,981 685,981	5,855	0-6,036	6,036	6,000	A, B, C, F, H	
HTH-5 (h)*	1,368,424 625,929	5,496	0-6,018	6,018	6,000	A, B, C, F, H	
HTH-21 (h)*	1,397,350 668,506	5,863	0-1,330	1,330	6,500	A, G	Hole
HTH-21-1(h)	* 1,397,250 668,506	5,863	0-5,500		6,500	A, B, C, F, H	
HTH-23 (h)*	1,368,087 684,237	5,795	0-7,504.5	7,504.5	7,500	A, B, C, F, H	

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	Planned T.D. (feet)	Activity during report period <sup>2</sup> /	References and remarks	
	1,000	1.*	TL: CN-17 (Hoover, 1968b)	
	6,000	A, B, C, F, H		
	6,000	A, B, C, F, H		
	6,000	A, B, C, F, H		
	6,500	A, G	Hole caved in.	
	6,500	A, B, C, F, H		
5	7,500	A, B, C, F, H		
			3 3	

<u>Hole</u>

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UCe-1

Elevation: 7,050±50 feet Static water level: 218.0 feet

Fc (in	otage feet)	Rock type	Stratigraphic correlations
0 340 380	- 340 - 380 -2,000	Alluvium of weathered granite Granite, weathered, friable Granite, very light gray, medium-grained, accessory biotite	Cretaceous (Kle and Ziony, 19
		Argillized granite zones:	
n Ngano ga n		Argillized granite zones: 460 - 468 700.8 - 701 725.8 - 726 728 - 728.5 851.5 - 852 857 - 864 925 - 929 949 - 951 1,004 - 1,013 1,017 - 1,031 1,078 - 1,078.5 1,222.4 - 1,223.4 1,332.8 - 1,333.2 1,342 - 1,352 1,372 - 1,373 1,404 - 1,407 1,438 - 1,444 1,534 - 1,542	
		1,337 -1,652 1,648 -1,650 1,654.5-1,656 1,694 -1,694.7 1,805 -1,812 1,822 -1,827 1,843.5-1,844 1,848 -1,853.5 1,895 -1,915 1,923.5-1,924 1,931.5-1,933 1,945 -1,947.5 1,959 -1,961 1,963 -1,966	



	Hole	
	ÚCe-2	
		Elevation: 6,200±50 feet Static water level: 579.6 feet
Footage (in feet)	Rock type	Stratigraphic correlations
0 +1,659	Partially to densely welded tuff.	



Hole

UCe-3

Elevation: 7,100<sup>±</sup>0 feet Static water level: 23<sup>+</sup>.1 feet<sup>2/</sup>

	Footage (in feet)		Rock type	Stratigr correlat
	0	- 415	Argillized, devitrified and vitric slightly to densely welded tuff	
	415	- 421	Vitric bedded tuff	
	421	<b>-</b> 905	Devitrified to argillized densely welded tuff	
$= 10^{10} \overline{g}^{2} \overline{g}^{2} + 2^{10} \overline{g}^{20}$	905	- 920	Argillized bedded tuff	
	920	- 1,161	Densely welded tuff	
. North Same and Andreas	1,161	- 1,304	Vitric to argillized bedded tuff and tuffaceous sand- stone and conglomerate	
	1,304	- 1,380	Devitrified andesite	
	1,380	- 1,396	Devitrified to argillized andesite breccia	
	1,396	- 1,412	Argillized andesite	
	1,412	- 1,457	Devitrified andesite	
	1,457	- 1,462	Devitrified to argillized andesite breccia	
	1,462 1,512	- 1,512 - 1,537	Devitrified andesite Argillized andesite	
	1 (~~~~~~	3 ~ 1 1	breccia	
	1,544	- 1,544 - 1,581.5	Devitrified andesite Argillized andesite	
	1,581.5 1,907.8	- 1,907.8 - 1,911.5	Devitrified andesite Devitrified andesite breccia	
	1,911.5 1,983	- 1,983 - 2,000	Devitrified andesite Argillized tuffaceous sand-	

3/ Post test.

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raphic tions

		Hole	
		UCe-9	
		Pope-	Elevation: 6,852 Static water level:
,	Footage (in feet)	Rock type	Stratigra correlati
	0 -2,805 2,805 -2,945 2,945 -3,040 3,040 -3,295 (T.D.)	Alluvium Bedded tuff or tuffaceous san Welded tuff Vitric bedded tuff or tufface sandstone	dstone Shingle Pass Tu ous (Cook, 1960).

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			NC6-10	Elevation: Static water	6,499 level:	feet flowing
F (1	ootage n feet)	Rock typ		St	tratigra orrelati	phic ons
0 2,660	-2,660 -2,963 (T.D.)	Alluvium Dolomíte		Lower Dev Sevv F	vonian(? ormation	) (?)

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		<b>,</b>
	Hole	
	UCe-11	Elevation: 5,789 feet Static water level: 360 feet (approx.)
Footage (in feet)	Rock type	Stratigraphic correlations
0 - 3,286	Alluvium and collu	vium Alluvium derived primarily from Morey Peak area tuffs.
3,286 - 3,930 3,930 - 4,030	Tuffaceous sedimer Faulted and brecci	ated
4,030 - 4,206 (T.D.)	Zeolitized densely partially welded	to tuff



	Hole	
	UCe-12a Elevat Static	ion: 6,925 feet water level: 336 feet
Footage (in feet)	Rock type	Stratigraphic correlations
0 = 1,540 1,540 = 1,600 1,600 = 1,820 1,820 = 3,198 2,108 = 2,200	Alluvium Densely to partially welded tuff Slightly welded tuff Densely welded tuff Boddod tuff	Shingle Pass Tuff(?) (Cook, 1960)
 3,198 - 3,290 3,290 - 3,482 (T.D.)	Andesite	No. 191

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			Hole		
			UCe-13	<b>a 1</b>	
Contraction of the second			- 1997 (Start - 1997)	Elevation: Static wat	6,401 feet er level: Not av
(	Footage in feet)	Rock t	уре	Starter -	Stratigraphic correlations
0 1,225	-1,225 -1,579 (T.D.)	Alluvium Welded tuff		nter internet in the second	
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		1964-18622 <sup>44</sup>			
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	and the second se		Hole	and the second					
			UCe-14		Eleva Stati	tion: c wate	6,241 r level	feet : Not	availabl
F (1	ootage n feet)	I	lock type				Strati correl	graphi ations	с. С
0 1,298 1,405	-1,298 -1,405 -1,428	Alluvium Tuffaceous sa Basalt (or ar tuffaceous	ndstone desite) an sandstone	d (or					
1,428	-1,548 (T.D.)	agglomerate Densely welde	e) ed tuff						
an a	2009 C 2000 C 2000 A A A A A A A A A A A A A A A A A	anne an		1 				an Televinen auf de la constante de la constant	
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		and the second se		<sup>2</sup> 한 ·	
			Hole		
			169-10	Elevat: Static	lon: 6,875±25 feet water level: flowing
(	Footage in feet)	Rock	: type		Stratigraphic correlations
0 1,104 1,361 1,471	-1,104 -1,361 -1,471 -4,353	Alluvium Welded tuff Vitric to arg Rhyolite	illized bedded	l tuff	· · · · · · · · · · · · · · · · · · ·
	<ul> <li>An approximate sector of the se</li></ul>		a an the first state of the firs		4 :-
	rannette -		A second s		eren ang

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F¢ (i) 2,10 2,57 2,70 . 2,80 2,98 3,22 3,59 3,6 4,0 . 4 , q 493 8

A	hole UCe-17 Sta	evation: 6,545 feet tic water level: 528 feet
Footage (in feet)	Rock type	Stratigraphic correlations
0 2 100	Λ]]	
2,100 - 2,570	Argillized and zeolitized slig to partially welded tuff	htly
2,570 - 2,705	Densely welded tuff	
2,705 - 2,800	Zeolitized to argillized bedde and tuffaceous sediments	d tuff
2,800 - 2,985	Argillized partially welded tu	lff
2,985 - 3,222	Densely welded tuff	
3,222 - 3,598	Argillized slightly to partial welded tuff	.ly
3,598 - 3,652	Argillized bedded tuff and tuffaceous sediments(?)	
3,652 - 4,037	Argillized partially to densel welded tuff	- <b>y</b>
4,037 - 4,072	Argillized bedded tuff and tuffaceous sediments(?)	
4,072 - 4,128	Densely welded tuff	
4,128 - 4,138	Argillized bedded tuff and tuffaceous sediments	
4.138 - 4.512	Argillized partially welded tu	lff
4,512 - 4,560	Argillized partially to densel	-y

4,138	-	4,512	Argillized partially welded tuf
4,512	<b>633</b> 3	4,560	Argillized partially to densely
			welded tuff
4,560	458 <b>7</b> 9	5,136	Argillized densely welded tuff
5,136	632	5,580	Argillized partially to densely

5,580 - 5,668

5,668 - 5,703 5,703 - 6,105

6,105 - 6,284

6,284 - 6,325 6,325 - 6,503

6,503 - 6,535 6,535 - 6,565

6,565 - 6,581

welded tuff Argillized conglomeratic tuffaceous sandstone and carbonaceous siltstone

Argillized partially welded tuff Argillized partially to densely welded tuff

## Argillized conglomeratic tuffaceous sandstone and carbonaceous siltstone

Argillized slightly welded tuff Argillized slightly to partially welded tuff

Argillized bedded tuff Argillized slightly to densely welded tuff

Argillized bedded tuff



	UCe-17Continued	
Footage (in feet)	Rock type	Stratigraphic correlations
6,581 - 7,176	Denselv welded tuff	
7,176 - 7,334	Argillized partially to densely	
7,334 - 7,372	Argillized slightly welded tuff	
7,372 - 7,403	Argillized bedded tuff (?)	
7,403 - 7,500	Argillized slightly to densely welded tuff	
7,500 - 7,610	Argillized bedded tuff, welded	
7,610-7,776	Argillized bedded tuff and slightly welded tuff	
7,776 - 7,978 (T.D.)	Argillized slightly to partially welded tuff(?)	

Hole



1	<u>Hole</u> UCe-18	Elevat Static	ion: 5,763 feet water level: 196 fe
Footage (in feet)	Rock type		Stratigraphic correlations
0 - 4,090* 4,090 - 4,205* 4,205 - 4,380 4,380 - 6,444	Alluvium and fanglome Tuffaceous sediments Lake beds and gypsum Rhyolite; argillized, highly fractured or	erate (?)* , with r breccia	r Statistics Pr
	4,708 - 4,782 5,310 - 5,404 5,442 - 5,542 5,856 - 5,878 5,982 - 6,030 6,308 - 6,384		· · · · · · · · · · · · · · · · · · ·
6,444 - 6,514 (T.D.)	Zeolitized and argil bedded tuff	lized	
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UCe-20

Elevation: 5,759 feet Static water level: 215 feet\*

Footage (in feet)	Rock type Stratigraphic correlations
-46664666666666666666666666666666666666	
0 - 3,320	Alluvium
,320 - 3,347	Zeolitized slightly welded tuff
,347 - 4,788	Indurated tuffaceous conglomerate
.,788 - 4,804	Zeolitized partially welded tuff
.804 - 4.838	Zeolitized denselv welded tuff
.838 - 4.882	Partially welded tuff
.882 - 6.000	Partially to densely welded tuff
y	

Fo (in 1,964 2,032 2,187 2,224 2,334 2,404 2,56 3,200 3,23 4, 4,

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UCe-21\* Elevation: 5,862 feet Static water level: Not available Stratigraphic Rock type Footage correlations (in feet) 0 - 1,964Alluvium Zeolitized and argillized bedded 1,964 - 2,032 tuff and tuffacecus sandstone Devitrified to zeolitized partially 2,032 - 2,187 to densely welded tuif Zeolitized and argillized tuffa-2,187 - 2,224 ceous sandstone Devitrified densely welded tuff 2,224 - 2,334 Indurated tuffaceous sandstone 2,334 - 2,404 Shingle Pass Tuff(?) Devitrified to argillized slightly 2,404 - 2,568 (Cock, 1960) to densely welded tuff Argillized and zeolitized to 2,568 - 3,206 devitrified slightly to densely welded tuff Argillized and zeolitized bedded 3,206 - 3,2]5 tuff Zeolitized to devitrified slightly 3,215 - 3,326 to densely welded tuff Argillized and devitrified partially 3,326 - 3,991 to densely welded tuff Indurated thin -- to thick-bedded 3,991 - 4,686 tuffaceous siltstone, sandstone and conglomerate Argillized to devitrified partially 4,686 - 4,762 to densely welded tuff Argillized and vitric to devitrified 4,762 - 4,854 partially to densely welded tuff Argillized and devitrified densely 4,854 - 4,934 welded tuff Argillized bedded tuff 4,934 - 4,950 Argillized and devitrified densely 4,950 - 5,341 welded tuff Argillized to zeolitized bedded tuff 5,341 - 5,526 Argillized and devitrified partially 5,526 - 6,282 to densely welded tuff Argillized bedded tuff(?) 6,282 - 6,398 Argillized and devitrified partially 6,398 - 6,495 to densely welded tuff



<ul> <li>0 - 114 Alluvium</li> <li>114 - 174 Basalt</li> <li>174 - 1,061 Alluvium</li> <li>1,01 - 1,134 Devitrified densely welded tuff</li> <li>1,134 - 1,152 Argillized to zeolitized bedded</li> <li>1,134 - 1,152 Argillized to zeolitized bedded</li> <li>1,134 - 1,343 Devitrified densely welded tuff</li> <li>1,348 - 1,396 Zeolitized and argillized to</li> <li>vitric bedded tuff</li> <li>1,348 - 1,396 Zeolitized and argillized bedded</li> <li>1,348 - 1,396 Zeolitized and argillized bedded</li> <li>1,439 - 1,462 Zeolitized and argillized bedded</li> <li>1,462 - 2,504 Devitrified partially to densely</li> <li>welded tuff</li> <li>2,504 - 2,580 Argillized to zeolitized bedded</li> <li>tuff and tuffaceous sediments</li> <li>2,580 - 2,773 Zeolitized to devitrified densely</li> <li>welded tuff</li> <li>2,773 - 2,847 Argillized to devitrified densely</li> <li>welded tuff</li> <li>3,198 - 3,421 Argillized to devitrified densely</li> <li>welded tuff</li> <li>3,630 - 3,741 Argillized to devitrified densely</li> <li>welded tuff</li> <li>3,630 - 3,741 Argillized to argillized bedded</li> <li>tuff</li> <li>3,733 - 4,655 Vitric to devitrified densely</li> <li>welded tuff</li> <li>4,655 - 4,663 Argillized to devitrified densely</li> <li>welded tuff</li> <li>4,663 - 5,124 Argillized bedded tuff</li> <li>4,663 - 5,124 Argillized bedded tuff</li> <li>4,663 - 5,124 Argillized bedded tuff</li> <li>5,922 - 5,950 Argillized bedded tuff</li> </ul>	Footage (in feet)	Rock type	Stratigraphic correlations
<pre>112 - 172 Basalt 174 - 1,061 Alluvium 1,061 - 1,132 Devirified densely welded tuff 1,134 - 1,158 Argillized to zeolitized bedded tuff 1,134 - 1,348 Devirified densely welded tuff 1,348 - 1,396 Zeolitized and argillized to vitric bedded tuff 1,396 - 1,439 Devirified densely welded tuff Shingle Pass Tuff(?) 1,439 - 1,462 Zeolitized and argillized bedded (Cook, 1960) tuff and conglomerate 1,462 - 2,504 Devirified partially to densely welded tuff 2,504 - 2,500 Argillized to zeolitized bedded tuff and tuffaceous sediments 2,560 - 2,773 Zeolitized and tuffaceous sediments 2,560 - 2,773 Zeolitized to devitrified densely welded tuff 3,198 - 3,481 Argillized to devitrified densely welded tuff 3,630 - 3,741 Argillized to devitrified densely welded tuff 3,741 - 3,933 Zeolitized to devitrified densely welded tuff 3,733 - 4,655 Witric to devitrified densely welded tuff 3,741 - 3,933 Zeolitized to devitrified densely welded tuff 3,630 - 3,741 Argillized to devitrified densely welded tuff 3,741 - 3,933 Zeolitized to devitrified densely welded tuff 3,741 - 3,933 Zeolitized to devitrified densely welded tuff 3,635 - 4,663 Argillized to devitrified densely welded tuff 3,636 - 5,122 Argillized to devitrified densely welded tuff 3,741 - 3,933 Zeolitized to argillized bedded tuff 3,741 - 3,933 Zeolitized to devitrified densely welded tuff 3,655 - 4,663 Argillized to devitrified 4,655 - 4,663 Argillized to devitrified partially to densely welded tuff 5,124 - 5,154 Argillized to devitrified partially to densely welded tuff 5,222 - 5,950 Argillized bedded tuff 5,922 - 5,950 Argillized bedded tuff 5,924 - 5,950 Argillized bedded tuff 5,925 - 5,950 Argillized bedded tuff 5,925 - 5,</pre>	0 - 114	Alluvium	
<ul> <li>174 - 1,061 Alluvium</li> <li>1,001 - 1,134 Devitrified densely welded tuff</li> <li>1,134 - 1,158 Argillized to zeolitized bedded tuff</li> <li>1,153 - 1,348 Devitrified densely welded tuff</li> <li>1,348 - 1,396 Zeolitized and argillized to vitric bedded tuff</li> <li>1,396 - 1,439 Devitrified densely welded tuff Shingle Pass Tuff(?)</li> <li>1,439 - 1,462 Zeolitized and argillized bedded (Cook, 1960)</li> <li>1,462 - 2,500 Devitrified partially to densely welded tuff</li> <li>2,504 - 2,580 Argillized to zeolitized bedded tuff</li> <li>2,580 - 2,773 Zeolitized partially welded tuff</li> <li>2,773 - 2,847 Argillized to zeolitized bedded tuff</li> <li>3,192 - 3,421 Argillized to devitrified densely welded tuff</li> <li>3,431 - 3,630 Zeolitized to devitrified densely welded tuff</li> <li>3,741 - 3,933 Zeolitized to devitrified densely welded tuff</li> <li>3,741 - 3,933 Zeolitized bedded tuff</li> <li>4,655 - 4,663 Argillized to devitrified densely welded tuff</li> <li>4,655 - 4,663 Argillized to devitrified densely welded tuff</li> <li>5,122 - 5,154 Argillized to devitrified densely welded tuff</li> <li>5,122 - 5,154 Argillized to devitrified densely welded tuff</li> <li>5,122 - 5,154 Argillized to devitrified densely welded tuff</li> <li>5,922 - 5,950 Argillized bedded tuff</li> </ul>	114 - 174	Basalt	
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<pre>1,134 - 1,158 Argillized to zeolitized bedded tuff 1,153 - 1,348 Devitrified densely welded tuff 1,362 - 1,439 Devitrified densely welded tuff 1,396 - 1,439 Devitrified densely welded tuff Shingle Pass Tuff(?) 1,439 - 1,462 Zeolitized and argillized bedded (Cook, 1960) tuff and conglomerate 1,462 - 2,504 Devitrified partially to densely welded tuff 2,504 - 2,580 Argillized to zeolitized bedded tuff and tuffaceous sediments 2,580 - 2,773 Zeolitized partially welded tuff 2,773 - 2,847 Argillized to zeolitized bedded tuff and tuffaceous sediments 2,247 - 3,192 Argillized to devitrified densely welded tuff 3,192 - 3,421 Argillized to devitrified densely welded tuff 3,421 - 3,630 Zeolitized to devitrified densely welded tuff 3,741 - 3,933 Zeolitized to devitrified densely welded tuff 3,741 - 3,933 Zeolitized to devitrified densely welded tuff 3,655 - 4,663 Argillized to devitrified densely welded tuff 5,124 - 5,154 Argillized to devitrified tuff 5,124 - 5,154 Argillized to devitrified tuff 5,922 - 5,950 Argillized bedded tuff 5,922 - 5,950 Argillized bedded tuff 5,924 - 5,950 Argillized bedded tuff 5,924 - 5,950 Argillized bedded tuff 5,925 - 5,950 Argillized bedded tuff 5,925</pre>	1.001 - 1.134	Devitrified densely welded tuff	rane voly o
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<pre>1,462 = 2,504 Devitrified partially to densely welded tuff 2,504 = 2,580 Argillized to zeolitized bedded tuff and tuffaceous sediments 2,580 = 2,773 Zeolitized partially welded tuff 2,773 = 2,847 Argillized to zeolitized bedded tuff and tuffaceous sediments 2,947 = 3,198 Argillized to devitrified densely welded tuff 3,192 = 3,481 Argillized to devitrified densely to partially welded tuff 3,481 = 3,630 Zeolitized to devitrified densely welded tuff 3,630 = 3,741 Argillized to devitrified densely welded tuff 3,741 = 3,933 Zeolitized to argillized bedded tuff 3,933 = 4,655 Vitric to devitrified densely welded tuff 4,655 = 4,663 Argillized bedded tuff 4,663 = 5,124 Argillized bedded tuff 5,124 = 5,154 Argillized bedded tuff 5,922 = 5,950 Argillized to devitrified densely welded tuff 5,922 = 5,950 Argillized to devitrified partially</pre>	1,439 - 1,462	Zeolitized and argillized bedded tuff and conglomerate	(Cook, 1960)
<pre>2,504 - 2,580 Argillized to zeolitized bedded tuff and tuffaceous sediments 2,580 - 2,773 Zeolitized partially welded tuff 2,773 - 2,847 Argillized to zeolitized bedded tuff and tuffaceous sediments 2,847 - 3,198 Argillized to devitrified densely welded tuff 3,192 - 3,421 Argillized to devitrified densely to partially welded tuff 3,421 - 3,630 Zeolitized to argillized bedded tuff 3,630 - 3,741 Argillized to devitrified densely welded tuff 3,741 - 3,933 Zeolitized to argillized bedded tuff 3,933 - 4,655 Vitric to devitrified densely welded tuff 4,655 - 4,663 Argillized bedded tuff 4,663 - 5,124 Argillized bedded tuff 5,124 - 5,154 Argillized bedded tuff 5,922 - 5,950 Argillized to devitrified densely welded tuff</pre>	1,462 - 2,504	Devitrified partially to densely welded tuff	
<pre>2,580 - 2,773 Zeolitized partially welded tuff 2,773 - 2,847 Argillized to zeolitized bedded tuff and tuffaceous sediments 2,247 - 3,198 Argillized to devitrified densely welded tuff 3,198 - 3,481 Argillized to devitrified densely to partially welded tuff 3,481 - 3,630 Zeolitized to argillized bedded tuff 3,630 - 3,741 Argillized to devitrified densely welded tuff 3,741 - 3,933 Zeolitized to argillized bedded tuff 3,933 - 4,655 Vitric to devitrified densely welded tuff 4,655 - 4,663 Argillized bedded tuff 5,124 - 5,154 Argillized bedded tuff 5,922 - 5,950 Argillized bedded tuff 5,922 - 5,950 Argillized bedded tuff</pre>	2,504 - 2,580	Argillized to zeolitized bedded tuff and tuffaceous sediments	
<pre>2,773 - 2,847 Argillized to zeolitized bedded tuff and tuffaceous sediments 2,847 - 3,198 Argillized to devitrified densely welded tuff 3,198 - 3,481 Argillized to devitrified densely to partially welded tuff 3,481 - 3,630 Zeolitized to argillized bedded tuff 3,630 - 3,741 Argillized to devitrified densely welded tuff 3,741 - 3,933 Zeolitized to argillized bedded tuff 3,933 - 4,655 Vitric to devitrified densely welded tuff 4,655 - 4,663 Argillized bedded tuff 4,663 - 5,124 Argillized bedded tuff 5,124 - 5,154 Argillized bedded tuff(?) 5,154 - 5,922 Argillized to devitrified densely welded tuff 5,922 - 5,950 Argillized bedded tuff 5,922 - 5,950 Argillized bedded tuff</pre>	2,580 - 2,773	Zeolitized partially welded tuff	
<pre>2,847 - 3,198 Argillized to devitrified densely welded tuff 3,198 - 3,481 Argillized to devitrified densely to partially welded tuff 3,481 - 3,630 Zeolitized to argillized bedded tuff 3,630 - 3,741 Argillized to devitrified densely welded tuff 3,741 - 3,933 Zeolitized to argillized bedded tuff 3,933 - 4,655 Vitric to devitrified densely welded tuff interbedded with zeolitized bedded tuff 4,655 - 4,663 Argillized bedded tuff 4,663 - 5,124 Argillized to devitrified partially to densely welded tuff 5,124 - 5,154 Argillized bedded tuff(?) 5,154 - 5,922 Argillized to devitrified densely welded tuff</pre>	2,773 - 2,847	Argillized to zeolitized bedded tuff and tuffaceous sediments	< т
<pre>3,192 = 3,481 Argillized to devitrified densely to partially welded tuff 3,421 = 3,630 Zeolitized to argillized bedded tuff 3,630 = 3,741 Argillized to devitrified densely welded tuff 3,741 = 3,933 Zeolitized to argillized bedded tuff 3,933 = 4,655 Vitric to devitrified densely welded tuff interbedded with zeolitized bedded tuff 4,655 = 4,663 Argillized bedded tuff 4,663 = 5,124 Argillized to devitrified partially to densely welded tuff 5,124 = 5,154 Argillized bedded tuff(?) 5,124 = 5,922 Argillized to devitrified densely welded tuff 5,922 = 5,950 Argillized bedded tuff 4,653 = 6,500 Argillized bedded tuff</pre>	2,847 - 3,198	Argillized to devitrified densely welded tuff	
<pre>3,421 - 3,630 Zeolitized to argillized bedded tuff 3,630 - 3,741 Argillized to devitrified densely welded tuff 3,741 - 3,933 Zeolitized to argillized bedded tuff 3,933 - 4,655 Vitric to devitrified densely welded tuff interbedded with zeolitized bedded tuff 4,655 - 4,663 Argillized bedded tuff 4,663 - 5,124 Argillized to devitrified partially to densely welded tuff 5,124 - 5,154 Argillized bedded tuff(?) 5,154 - 5,922 Argillized to devitrified densely welded tuff 5,922 - 5,950 Argillized bedded tuff 5,922 - 5,950 Argillized bedded tuff</pre>	3,198 - 3,481	Argillized to devitrified densely to partially welded tuff	-
<pre>3,630 = 3,741 Argillized to devitrified densely welded tuff 3,741 = 3,933 Zeolitized to argillized bedded tuff 3,933 = 4,655 Vitric to devitrified densely welded tuff interbedded with zeolitized bedded tuff 4,655 = 4,663 Argillized bedded tuff 4,663 = 5,124 Argillized to devitrified partially to densely welded tuff 5,124 = 5,154 Argillized bedded tuff(?) 5,154 = 5,922 Argillized to devitrified densely welded tuff 5,922 = 5,950 Argillized bedded tuff 5,922 = 5,950 Argillized bedded tuff</pre>	3,481 - 3,630	Zeolitized to argillized bedded	
<pre>3,741 - 3,933 Zeolitized to argillized bedded tuff 3,933 - 4,655 Vitric to devitrified densely welded tuff interbedded with zeolitized bedded tuff 4,655 - 4,663 Argillized bedded tuff 4,663 - 5,124 Argillized to devitrified partially to densely welded tuff 5,124 - 5,154 Argillized bedded tuff(?) 5,154 - 5,922 Argillized to devitrified densely welded tuff 5,922 - 5,950 Argillized bedded tuff 5,950 - 6,500 Argillized to devitrified partially</pre>	3,630 - 3,741	Argillized to devitrified densely welded tuff	
<pre>3,933 - 4,655 Vitric to devitrified densely     welded tuff interbedded with     zeolitized bedded tuff 4,655 - 4,663 Argillized bedded tuff 4,663 - 5,124 Argillized to devitrified     partially to densely welded     tuff 5,124 - 5,154 Argillized bedded tuff(?) 5,154 - 5,922 Argillized to devitrified densely     welded tuff 5,922 - 5,950 Argillized bedded tuff 5,922 - 5,950 Argillized to devitrified partially</pre>	3,741 - 3,933	Zeolitized to argillized bedded tuff	
<pre>4,655 = 4,663 Argillized bedded tuff 4,663 = 5,124 Argillized to devitrified partially to densely welded tuff 5,124 = 5,154 Argillized bedded tuff(?) 5,154 = 5,922 Argillized to devitrified densely welded tuff 5,922 = 5,950 Argillized bedded tuff 5,950 = 6,500 Argillized to devitrified partially</pre>	3,933 - 4,655	Vitric to devitrified densely welded tuff interbedded with zeolitized bedded tuff	
5,124 - 5,154 Argillized bedded tuff(?) 5,154 - 5,922 Argillized to devitrified densely welded tuff 5,922 - 5,950 Argillized bedded tuff 5,950 - 6,500 Argillized to devitrified partially	4,655 - 4,663 4,663 - 5,124	Argillized bedded tuff Argillized to devitrified partially to densely welded tuff	
5,154 - 5,922 Argillized to devitrified densely welded tuff 5,922 - 5,950 Argillized bedded tuff 5,950 - 6,500 Argillized to devitrified partially	5.124 - 5.154	Argillized bedded tuff(?)	
5,922 - 5,950 Argillized bedded tuff 5,950 - 6,500 Argillized to devitrified partially	5,154 - 5,922	Argillized to devitrified densely welded tuff	P
5 950 - 6 500 Argillized to devitrified partially	5,922 - 5,950	Argillized bedded tuff	
JAJJO OAJOO ULETTETEOO OO KOATETETEO LOODOUL	5,950 - 6,500	Argillized to devitrified partial	.ly

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! 	<u>Hole</u> UC-l Sta	vation: 6,104 feet tic water level: Not a
Footage (in feet)	Rock type	Stratigraphic correlations
0 -2,400 2,400 -3,275 (T.D.)	Alluvium Tuffaceous sediments and zeolitiz nonwelded tuff	ed
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د بر بر								Elev Stat	aticn ic wa	: 6,10 ter lev	)4 feet /el: Not	availab
Fooi (in f	age eet)				Rock	type		99999900000000000000000000000000000000		Strat	tigraphic elations	
0 - 2,404 -	2,404 3,500 (T.D.)	:	Alluvi Tuffac zeol	um ecus s itized	sedime nonwe	nts a elded	nd tuí	E£				
		۰۰۰۰۰ - الوارد واروبی در میکان مسیر شویوانگان از این است. از می	unus digensió menus.	a de la constante de la consta	an and an and an an and an an and an				and the second se			
2 - 2					**	and the second	and the second second			:		
		59 19							·			

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		UC	-1-I-2		Elevati Static	.on: water	6,104 f level:	eet Not av
Footage (in feet)	anin ann an A	Rock	type			Str	atigrap relatic	hic ns
0 -1,500 (T.D.)	Alluvium							
	- Angele - A	en Athended and an			- geogram		ţ	
	4 AN							
}								
				• • • •				
			-4 -					



		Hole HTH-1	Elevation: 6,011 feet Static water level: 553 feet
	Footage (in feet)	Rock type	Stratigraphic correlations
	0 - 2,390 2,390 - 2,468 2,468 - 3,704 (T.D.)	Alluvium Densely welded tuff Tuffaceous sediments	
a statut a s			



	• •	<u>Hole</u> HTH-2		Elevation: Static wat	6,024 fe er level:	et 565 feet,
Footage (in feet)	ang pangan kanang kanang kanang pang pang kanang	Rock type	, source and the second s		Stratigra correlati	phic ons
0 -1,000 (T.D.)	Alluvium					
			e tare alle e e area allever secon e e	- contraction of the second se		AD ODD
					•	· · · · · · · · · · · · · · · · · · ·

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## <u>Hole</u>

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HTH-3\*

Elevation: 5,915 feet Static water level: Not available

Footage (in feet)	Rock type	Stratigraphic correlations
0 - 160(2)	 	
160 - 4,898	Devitrified to argillized densely welded tuff	
4,898 - 4,979	Tuffaceous sandstone and claystone	
4,979 - 6,011	Devitrified to argillized densely welded tuff	
		×

Foc (in	tag fe
0 237 692	
829 835	•
1,238	ر دی ارتباط ارتباط ارتباط
1,655 2,651 2,718 4,874	1933) 1933) 1933) 1933) 1933) 1933) 1933) 1933) 1933) 1933)
7 - 30. 	•

## Hole

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HTH-4\*

Elevation: 5,855 feet Static water level: Not available

Footage (in feet)	Rock type	Stratigraphic correlations
0 - 237	Alluvium	
0 = 207	Rhvolite	
692 - 829	Partially to densely welded tuff	
229 - 835	Bedded tuff	
835 - 1,234	Partially to densely welded tuff	
1,234 - 1,238	Bedded tuff	•
1,238 - 1,612	Partially to densely welded tuff	
1,612 - 1,655	Bedded tuff	1
1,655 - 2,651	Partially to densely welded	6011
2,651 - 2,718	Bedded tufi	+
2,718 - 4,274	Partially to densely welded	ui i
4,274 - 4,296	Bedded tull	
4,296 - 6,036	Partially to densely werded tuff	



		All and a
	<u>Hole</u> HTH-5* Ele Sta	vation: 5,496 feet tic water level: Not avai
Footage (in feet)	Rock type	Stratigraphic correlations
0 - 1,224	Alluvium	
1,224 - 1,548	Argillized to zeolitized tuffaceous sandstone an siltstone	đ
1,548 - 1,607	Devitrified densely welded	d Shingle Pass Tuff(?) (Cook. 1960)
1,607 - 1,659	Zeolitized to devitrified	Shingle Pass Tuff(?) (Cook, 1960)
1,659 - 1,702	Argillized to zeolitized bedded tuff	
1,702 - 1,810	Devitrified densely welded	d
1,810 - 2,024	Argillized to zeolitized slightly to partially welded tuff	Ŷ
2,024 - 2,165	Devitrified densely welded tuff	d
2,165 - 2,185	Argillized bedded tuff	1 9 1
2,185 - 2,952	partially to densely welded tuff	
2,952 - 2,972	Argillized to zeolitized bedded tuff	
2,972 - 3,279	Zeolitized to devitrified partially to densely welded tuff	
3,279 - 3,288 3,288 - 6,018	Argillized bedded tuff Zeolitized to devitrified partially to densely welded tuff	

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Hole

HTH-21-1

Elevation: 5,863 feet Static water level: 497 feet

Footage (in feet)	Rock type	Stratigraphic correlations
0 - 1,964	Alluvium	
1,964 - 2,014	Zeolitized and argillized bedded tuff and tuffaceous sandstone	
2,014 - 2,180	Devitrified to zeolitized partially to densely welded tuff	
2,180 - 2,210	Zeolitized and argillized tuffaceous sandstone	
2,210 - 2,316	Devitrified densely welded tuff	ģ
2,316 - 2,388	Indurated tuffaceous sandstone	
2,388 - 2,518	Devitrified densely welded tuff	Shingle Pass Tuff(?) (Cook, 1960)
2,518 - 3,207	Argillized and zeolitized to devitrified slightly to densely welded tuff	
3,20'7 - 3,334	Zeolitized to devitrified slightly to densely welded tuff	
3,334 - 3,981	Argillized and devitrified partially to densely welded tuff	
3,981 - 4,705	Indurated thin- to thick-bedded tuffaceous siltstone, sandston and conglomerate	ne,
4,705 - 4,771	Argillized to devitrified partially to densely welded tuff	
4,771 - 4,863	Argillized and vitric to devit- rified partially to densely welded tuff	
4,86; - 4,934	Argillized and devitrified densely welded tuff	
4,934 - 4,976	Argillized bedded tuff	
4,976 - 5,308	Argillized and devitrified densely welded tuff	

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	<u>Hole</u> HTH-21-1Continued
Footage (in feet)	Rock type Stratigraphi correlations
5,308 - 5,534 5,534 - 6,305	Argillized bedded tuff Argillized and devitrified partially to densely welded
6,305 - 6,412 6,412 - 6,500	Argillized bedded tuff(?) Argillized and devitrified partially to densely welded tuff

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	HTH-23*	
		Elevation: 5,795 feet Static water level: Not ava
Footage (in feet)	Rock type	Stratigraphic correlations
0 - 1,093	Alluvium	<u></u>
1,093 - 1,181 1,181 - 1,188	Devitrified densely weld Argillized to zeolitized	led tuff 1 bedded
1,188 - 1,416	Devitrified denselv weld	led tuff
1,416 - 1,466	Zeolitized and argillize vitric bedded tuff	ed to
1,466 - 1,520	Devitrified densely weld	<pre>led tuff Shingle Pass Tuff(?)</pre>
1,520 - 1,5 <b>38</b>	Zeolitized and argillize tuff and conglomerate	ed bedded
1,538 - 2,675	Devitrified partially to welded tuff	o densely
2,675 - 2,771	Argillized to zeolitized tuff and tuffaceous se	d bedded ediments
2,771 - 2,910	Zeolitized partially we	lded tuff
2,910 - 2,950	Argillized to zeolitized to tuff and tuffaceous se	l bedded ediments
2,950 - 3,300	Argillized to devitrifie to densely welded tuf:	ed partially f
3,300 - 3,314	Argillized bedded tuff	
3,314 - 3,486	Argillized to devitrific to densely welded tuff	ed partially f
3,486 - 3,731	Zeolitized to argillized to tuff	d bedded
3,731 - 4,026	Zeolitized to devitrifie to densely welded tuff	ed partially f
4,026 - 4,274	Vitric to devitrified de welded tuff interbedd zeolitized bedded tuff	ensely ed with f
4,274 - 4,931	Zeolitized to argillized to densely welded tuff	d slightly f
4,931 - 4,959	Argillized bedded tuff	
4,959 - 5,032	Argillized to devitrifie to partially welded to	ed slightly uff
5,032 - 5,928	Argillized to devitrifie to densely welded tuff	ed partially f
5,928 - 5,945	Argillized bedded tuff	
5,945 - 7,504.5	Argillized to devitrifie	ea partially c
3,731 - 4,026 4,026 - 4,274 4,274 - 4,931 4,931 - 4,959 4,959 - 5,032 5,032 - 5,928 5,928 - 5,945 5,945 - 7,504.5	Zeolitized to devitrifie to densely welded tuff Vitric to devitrified de welded tuff interbedd zeolitized bedded tuff Zeolitized to argillized to densely welded tuff Argillized bedded tuff Argillized to devitrifie to partially welded tuff Argillized to devitrifie to densely welded tuff Argillized to devitrifie to densely welded tuff	ed partially f ensely ed with f d slightly f ed partially f ed partially f

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