

VIRGINIA DIVISION OF MINERAL RESOURCES
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

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Well Repository No.: C-371
 W- 5515

Date rec'd: Date Processed: 9/17/79

Sample Interval: from 0 to: 980'

PROPERTY: NASA Geothermal #29

Number of samples: 94

COMPANY: Gruy Federal

Total Depth: 1000

COUNTY: Accomack (Wallops Island)

Oil or Gas: Water: Exploratory: XX

From-To	From-To	From-To	From-To	From-To
0-10	300-310	600-610	900-910	-
10-20	310-320	610-620	910-920	-
20-30	320-330	620-630	920-930	-
30-40	330-340	630-640	930-940	-
40-50	340-350	640-650	940-950	-
50-60	350-360	650-660	950-960	-
60-70	360-370	660-670	960-970	-
70-80	370-380	670-680	970-980	-
80-90	380-390	680-690	-	-
90- <u>100</u>	390- <u>400</u>	690- <u>700</u>	-	-
100-110	400-410	700-710	-	-
110-120	410-420	710-720	-	-
120-130	420-430	720-730	-	-
130-140	430-440	730-740	-	-
140-150	440-450	740-750	-	-
150-160	450-460	750-760	-	-
160-170	460-470	760-770	-	-
170-180	470-480	770-780	-	-
180-190	480-490	780-790	-	-
190- <u>200</u>	490- <u>500</u>	790- <u>800</u>	-	-
200-210	500-510	800-810	-	-
210-220	510-520	810-820	-	-
220-230	520-530	820-830	-	-
230-240	530-540	830-840	-	-
240-250	-	840-850	-	-
250-260	-	850-860	-	-
260-270	-	860-870	-	-
270-280	-	870-880	-	-
280-290	580-590	880-890	-	-
290- <u>300</u>	590- <u>600</u>	890- <u>900</u>	-	-

Unwashed only.

Owner: NASA Geothermal #29
Driller: Gruy Federal
County: Accomack (Wallops Is.)

W# 5515
C# 371
Total Depth: 1000'
Quad: Chincoteague West
Elev: 15'

Depth
(feet) WELL LOG

0-10 Sand - yellow gray (5Y 6/2); sparse clay in clasts; medium to coarse; sub-angular; well sorted; quartz; root debris.

10-20 Sand - as above, except: moderately sorted; phosphatic chips.

20-30 Clay, Sandy - pale yellowish brown (10YR 6/2); abundant clay in sand clasts; abundant sand as above.

30-40 Clay, Sandy - as above.

40-50 Sand - dark yellow brown (10YR 4/4); moderate clay; sand as above.

50-60 Sand - as above, except: 1% phosphatic fragments.

60-70 Sand - olive gray (5Y 5/1); sparse clay; medium to very coarse; moderate sorting; quartz; 1% phosphatic fragments; 5% shell fragments.

70-80 Sand - as above, except: poor sorting.

80-90 Sand - as above, except: fine to very coarse; 3% shell fragments.

90 100 Sand - as above, except: fine to granule; 5% shell fragments.

100-110 Sand - light olive gray (5Y 5/2); as above, except: sparse glauconite.

110-120 Sand - as above, except: moderate clay; moderate sorting; 1% glauconite (?); 2% shell fragments.

120-130 Sand - light olive gray (5Y 6/1); abundant clay - loose; sand as above, except: poor sorting; 10% shell fragments.

130-140 Sand - as above, except: apatite on bone fragment.

140-150 Sand - as above, except: moderate clay in sand clasts; 5% shell fragments; vivianite on bone.

150-160 Sand - as above, except: no phosphates.

160-170 Sand - as above, except: apatite.

Depth
(feet)

170-180 Sand - as above.

180-190 Sand - as above, except: (5Y 5/1); sparse shell fragments.

190-200 Sand - as above, except: medium to very coarse; poor sorting; 5% shell fragments; sparse apatite grains.

200-210 Sand - as above, except: moderate clay; 1%+ glauconite; 10% shell fragments; Mitrella Waccamawensis.

210-220 Shell Hash - salt and pepper; sparse clay, loose and in sand clasts; 90% shell fragments; minute apatite; sand and glauconite as above.

220-230 Shell Hash - as above, except: 5% glauconite; iron stains.

230-240 Shell Hash - as above.

240-250 Shell Hash - as above.

250-260 Shell Hash - as above.

260-270 Shell Hash - as above.

270-280 Shell Hash - as above.

280-290 Shell Hash - as above.

290-300 Shell Hash - as above.

300-310 Shell Hash - as above.

310-320 Shell Hash - as above, except: 95%+ shell fragments; chela of crab; echinoderm spines.

320-330 Shell Hash - as above, except: 50% fine shell fragments; medium-grained sand; well sorted; root debris.

330-340 Shell Hash - as above.

340-350 Shell Hash - as above; moderate sand clasts with sparse clay.

350-360 Sand - as above, except: 40% shell fragments.

360-370 Sand - as above, except: 15% shell fragments.

370-380 Sand - as above, except: abundant sand - clay clasts; moderate sorting; 25% shell fragments.

Depth
(feet)

380-390 Sand - as above, except: 15% shell fragments.

390-400 Clay - as above, except: abundant clay clasts; sparse sand as above, 15% shell fragments.

400-410 Sand, clayey - as above.

410-420 Clay - olive gray (5Y 4/1) abundant clasts; sparse sand; medium to very coarse; poor sorting; quartz; 1% shell fragments.

420-430 Clay - as above, except: 15% shell fragments.

430-440 Clay - as above, except: 10% shell fragments.

440-450 Clay - light olive gray (5Y 6/1).

450-460 Clay - as above, except: very sparse sand, poor sorting; few shell fragments.

460-470 Clay - as above, except: no shell fragments.

470-480 Clay - as above.

480-490 Clay - as above, except: (5Y 5/1).

490-500 Clay - as above.

500-510 Clay - as above, except: 25% shell fragments.

510-520 Clay - as above.

520-530 Clay - as above, except: 40%+ shell fragments.

530-540 Shell Hash - as above, except: 50% shell fragments.

540-580 No samples.

580-590 Clay - olive gray (5Y 4/1); very sparse sand, poorly sorted; 1% shell fragments.

590-600 Clay - as above.

600-610 Clay - as above, except: 2% shell fragments.

610-620 Clay - as above.

620-630 Clay - as above, except: moderate sand; medium to very coarse; poor sorting; 3% shell fragments.

Depth
(feet)

630-640 Clay - as above, except: 1% shell fragments.

640-650 Clay - as above.

650-660 Clay - as above.

660-670 Shell Hash - as above, except: 50% reworked shell fragments; abundant clay.

670-680 Shell Hash - as above, except: 90%+ shell fragments, heavily coated with clay.

680-690 Shell Hash - as above, except: moderate sand, poorly sorted.

690-200 Clay - as above, except: 40% coated, shell fragments.

700-710 Clay - as above, except: abundant clay, clast; 20%+ shell fragments.

710-720 Clay - as above, except: (5Y 6/1); 7% shell fragments.

720-730 Clay - as above, except: 1% shell fragments; sparse sand.

730-740 Clay - as above.

740-750 Clay - as above, except: no shell fragments.

750-760 Clay - as above.

760-770 Clay - as above.

770-780 Clay - as above.

780-790 No sample.

790-800 Clay - as above, except: 1% shell fragments; very sparse sand; poorly sorted.

800-810 Clay - as above.

810-820 Clay - as above.

820-830 Clay - as above.

830-840 Clay - as above.

840-850 Clay - as above, except: no sand; no fossils.

Depth
(feet)

850-860 Clay - as above, except: 1% shell fragments.

860-870 Clay - as above.

870-880 Clay - as above.

880-890 Clay - as above.

890-900 Clay - as above.

900-910 Clay - as above.

910-920 Clay - as above.

920-930 Clay - as above.

930-940 Clay - as above.

940-950 Clay - as above, except: very sparse sand, medium to very coarse, poorly sorted.

950-960 Clay - as above, except: no fossils.

960-970 Clay - as above.

970-980 Clay - as above.

980-1000 No sample.

Logged by: J. K. Polzin
May 27, 1980