GEOTHERMAL GRADIENT DATA FOR UTAH

by

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ABSTRACT

The Utah Geological Survey compiled information from exploratory temperature-gradient boreholes from a variety of publicly available sources including the Southern Methodist University Geothermal Laboratory, U.S. Geological Survey, recently released industry data, and internal unpublished reports. The data consist of 979 records for 952 boreholes throughout Utah, formatted for use with geographic information systems. Also included are detailed descriptions of the database sources and data-field parameters.

INTRODUCTION

Thermal methods for geothermal exploration involve the measurement of subsurface temperature at specified depths in exploratory boreholes. Using temperature-depth measurements, geothermal explorers or researchers can determine thermal gradients and (when coupled with other down-hole data) heat flow. These down-hole temperature measurements comprise the only geothermal exploration method for direct detection of geothermal resources. Other geophysical techniques are considered as indirect methods, and can only suggest the possibility of a geothermal system at depth. Temperature logs of boreholes are made by lowering a sensitive thermistor probe -- capable of measuring temperature differences of about 0.01°C -- on a conductor cable, recording probe resistance, and converting resistance data to temperatures at specified depths in the borehole. All data in this report were obtained using calibrated thermistor probes having an accuracy of at least 0.1°C. Small temperature logging units for shallow boreholes (< 1,000 meters [3,280 ft]) can be highly portable, mounted to a hand-crank cable reel. More sophisticated, deep-hole units are truck mounted with several thousand meters of conductor cable connected to electronic recording gear and a motor-driven winch (Wright, 1991).

During the 1970s and early 1980s, the energy industry and government agencies actively explored areas within the western United States for geothermal potential. One exploration method involved the drilling of numerous, shallow, thermal-gradient boreholes for heat-flow studies. As interest in geothermal development decreased during the late 1980s and 1990s, several companies no longer viewed these data as proprietary. The companies, in conjunction

with the U.S. Geological Survey (USGS), released thermal-gradient and other geophysical data to the general public. The USGS, and also Southern Methodist University (SMU) Geothermal Laboratory, made much of this information available via the Internet. In Utah, the Utah Geological Survey (UGS) and other state agencies, under cost-share agreements with federal agencies, also compiled geothermal information including results of thermal-gradient drilling. These data were commonly recorded in internal reports or merely within agency files, but were not broadly distributed.

Regional heat-flow studies have shown the mean heat flow for the Basin and Range Province to be about 86 *m*W/m^2 and the mean heat flow for the Colorado Plateau to be about 59 *m*W/m^2 (Maria Richards, 2003, SMU, written communication based on the work of Blackwell and others, 1991; and Morgan and Gosnold, 1989). Henrikson (2000), using 88 new heat-flow measurements from Utah, showed that corresponding mean heat-flow values for the new sites are about 91 *m*W/m^2 in the Basin and Range and about 62 *m*W/m^2 in the Colorado Plateau.

SOURCES OF DATA

Thermal-gradient data associated with this report were derived from various sources including the aforementioned heat-flow database compiled by and maintained through the SMU Geothermal Laboratory. In addition, thermal-gradient data for Utah were extracted from several unpublished state-agency reports, as described previously, and from the work of Henrikson (2000).

In addition to data extracted from published documents, the SMU thermal-gradient data for Utah were derived from a number of sources including Amax Geothermal, Phillips Petroleum Company, and Chevron Geothermal. CalEnergy Inc. reportedly purchased the subsurface temperature data from the Chevron/Phillips projects. The U.S. Department of Energy acquired part of this subsurface temperature data set for the Idaho National Engineering and Environmental Laboratory (INEEL). Working with INEEL, USGS personnel inventoried and digitized the CalEnergy data, and then combined this data set with miscellaneous data from Geothermal Resources International, Aminoil USA, Amax, and data from other companies

acquired earlier by INEEL. The USGS later posted all of the data on the Internet (Sass and others, 1999).

The data as received by the USGS and SMU were in a variety of formats and units, and most locations were listed by section, township, and range. They were primarily copies of field data sheets, but some were in interpretive reports, and others were analogue temperature-depth plots at various scales. Gradient values shown in the database were obtained directly from the field data sheets or plots. These were usually based on a visual straight-line fit of the data from the lowermost section of the hole.

SMU also included thermal-gradient data from a number of published documents, which are listed in the "References and Data Sources" section of this report. Similar but previously unpublished information, provided by Republic Geothermal Inc. (1977) and made available through the University of Utah Energy and Geoscience Institute (EGI), were also folded into the data set. Thermal-gradient data compiled by Henrikson (2000), describing new heat-flow determinations in Utah, were also incorporated. Several dozen records were also extracted from UGS files and Reports of Investigation publication series. These are also listed in the "References and Data Sources" section of this report. Overall, the UGS augmented the SMU/USGS-maintained thermal-gradient dataset for Utah, consisting of 617 boreholes, including data from 335 additional boreholes to create the current database containing 979 records for 952 boreholes. Also, the UGS effort included using copies of the raw Amax temperature profiles (acquired through EGI) to check and correct entries where necessary.

DATA CONTENT AND ORGANIZATION

The temperature-gradient data for all 952 boreholes are depicted in two maps, a spreadsheet file, and in Appendix A. Figure 1 is a small-scale general map of Utah showing the locations of temperature-gradient boreholes included in the database, color-coded for relative gradient magnitudes. Plate 1 is a larger-scale (1:750,000), more detailed map showing (1) geology and physiography; (2) borehole locations with relative gradient magnitudes and designations; and (3) locations of thermal wells, springs and geothermal areas from previous studies (Blackett and Wakefield, 2002). The thermal-gradient data set described here is

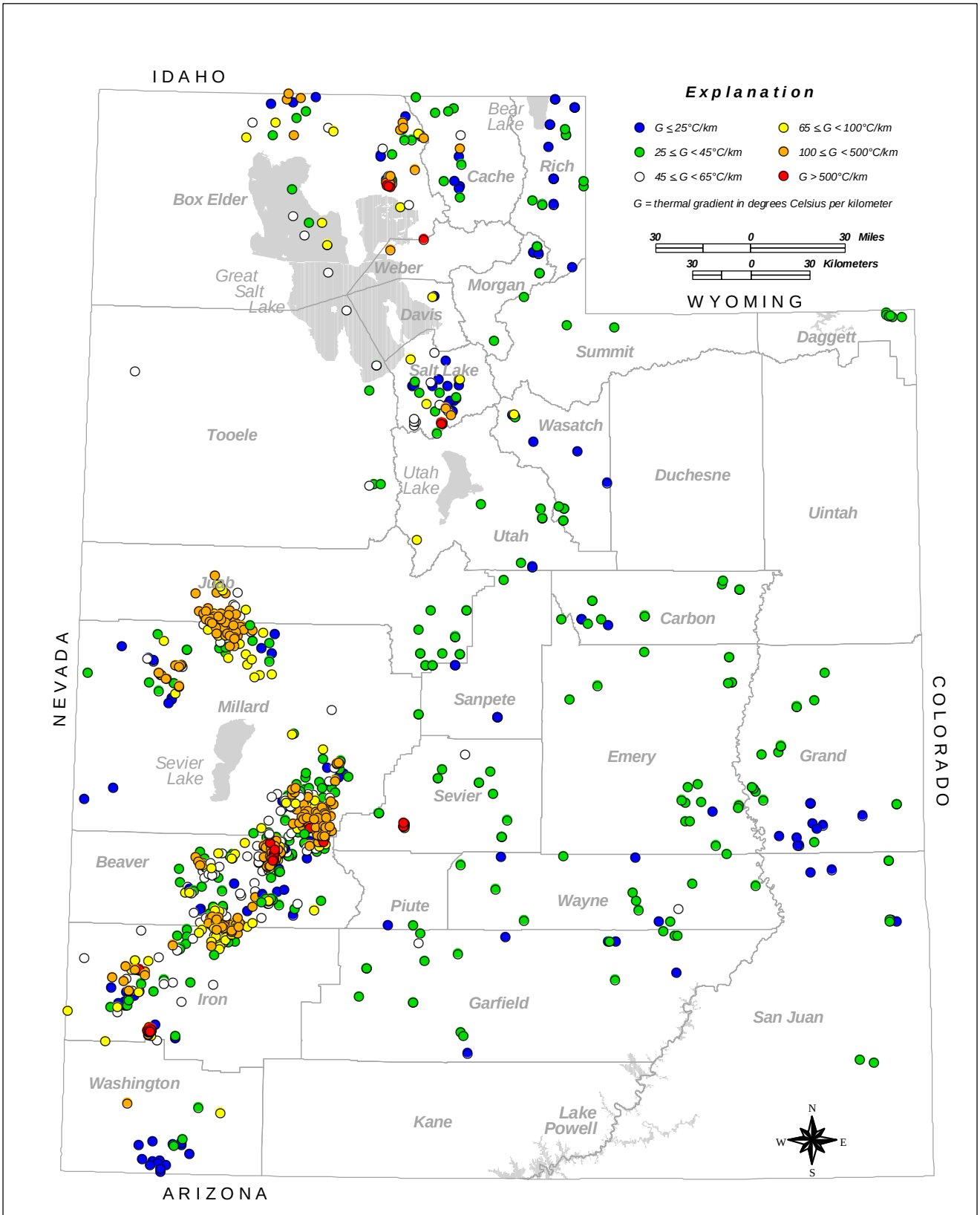

Figure 1. Locations of thermal-gradient boreholes in Utah showing relative gradient magnitudes.

contained within the MS Excel® spreadsheet "ut_tg_data.xls." An abbreviated version of the data set is included as Appendix A.

DATABASE FIELD DESCRIPTIONS

The following list, somewhat modified from the SMU Geothermal Laboratory's Web site (http://www.smu.edu/geothermal/), describes the data fields for the Utah thermal-gradient database contained in attached file ut_tg_data.xls and the condensed version of the data in Appendix A.

REGION_LOC: Refers to geothermal area, physiographic subdivision, or geographic feature where appropriate.

HOLE_NAME: the most common name used in reports. Some boreholes have more than one name and the other name(s) are given in the comments section.

PUB_REF: Publication (or reference) code listed within the "References and Data Sources" section. The code is composed of three parts: (1) Author code is the first four letters of the primary author's last name. If the author's name is less than four characters, then the remaining spaces are blank. (2) Year published code. This code refers to the last two digits of the year published. (3) Number of authors on paper. If there is only one author then the position is blank. If there are nine or more authors then 9 is the value.

> Example: CHAP813 refers to a paper published in 1981 by Chapman and two other authors.
>
> Note: Materials were also coded according to the type of information and this code is used when no specific author is given.

COUNTY: County name.

MAPNO: Data point index numbers used as labels on Plate 1. The MAPNO field's contents consist of a two-digit county code followed by a sequential number within each county.

PROVINCE: Major physiographic province.

LAT_NORTH: North latitude in decimal degrees.

LON_WEST: West longitude (negative) in decimal degrees.

DMS_DMS: Unique identifier string consisting of degrees, minutes, and seconds of latitude then longitude. Identifier is used for geographic sorting of records.

TRS: Township, Range, Section, and subdivision. The system of numbering wells and springs in Utah is based on the cadastral land-survey system of the U.S. Government. The number designates a location and describes its position in the land net. The land-survey system divides the state into four quadrants with respect to the Salt Lake Base Line and Meridian (origin in Salt Lake City), and these quadrants are designated by uppercase letters as follows: A-northeast, B-northwest; C-southwest; and D-southeast. Numbers designating the township and range (in that order) follow the quadrant letter, and all three are enclosed in parentheses. The number after the parentheses indicates the section and is followed by the three (or fewer) letters indicating the quarter section, the quarter-quarter section, and the quarter-quarter-quarter section -- usually 10 acres (0.04 km^2) in area. The quarters of each subdivision are designated by lowercase letters as follows: a, northeast; b, northwest; c, southwest; and d, southeast. For example, the well/spring number "(C-36-15)20bca" describes a location in T.36S., R.15W., in the northeast quarter of the southwest quarter of the northwest quarter of section 20. The Uinta Special Meridian is a separate land-survey coordinate system for the Uinta Basin in northeastern Utah. A preceding "U," for example U(B-01-08) 30ddb, designates wells and springs located using this system.

UTM_E/UTM_N: Universal Transverse Mercator (UTM) coordinates in meters east and north of the Zone 12 origin. Where UTM coordinates were not available, geographic (Lat/Long)

coordinates were converted to UTM coordinates based on the North American Datum of 1927. Coordinates were converted using the software package “Corpswin” version 5.11.08 developed by the U.S. Army Corps of Engineers.

ELEV_M: Elevation of the surface location of the hole given in meters above mean sea level.

MEAS_DATE: Measurement date of the temperature log from which the thermal-gradient results were determined. It is in the form MM/DD/YY.

DRILL_DATE: Date of hole drilling or well completion. It is in the form MM/DD/YY.

DRILL_DEPTH: Total drilled depth in meters.

BHT_C: Bottom-hole temperature in degrees Celsius (ºC).

WAT_TABLE: Depth to static water level in meters.

MAX_TEMP: Maximum measured temperature, in degrees Celsius (ºC), not necessarily bottom-hole temperature. Depth to the interval (in meters) where MAX_TEMP occurred may be indicated.

START_M/END_M: Starting and ending depths for the gradient interval, in meters.

AVGTCU: Average thermal conductivity. Laboratory or estimated thermal conductivity measurement for the depth interval. The unit is Watts/meter/Kelvin (*W/m/K).*

UCGRAD, Sym, <SE>: Uncorrected gradient & standard error. Calculated or estimated uncorrected thermal-gradient measurement is for the depth interval Start_m to End_m. Uncorrected refers to gradient data not corrected for terrain effects. Sym _ Symbols used (for example, <, >, or*) refer to greater than, less than, or estimate of gradient. If a statistical mean

method is used, then the standard error (SE) of the mean is included. The unit is degrees Celsius per kilometer (°C/Km).

GRAD_CLASS: General divisions for uncorrected thermal-gradient values (within the UCGRAD data field, in ºC/km) determined in boreholes. Class codes contained in the database include the following: "LOGRAD" < 25; "MLGRAD" = 25, < 45; "MEGRAD" = 45, < 65; "MHGRAD" = 65, < 100; "HIGRAD" = 100, < 500; "UHGRAD" = 500. This field is used for geographic information system visual displays.

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APPENDIX A

Abbreviated Thermal Gradient Database for Utah

Note that the interval for which gradients were computed does not appear in this abbreviated version of the thermal-gradient database. Simply computing gradients using the DEPTH and bottom hole temperature (BHT) values does not necessarily yield the value shown in the UCGRAD field. The computed gradient interval is included, however, within the expanded T/G database. The reader is encouraged to access the expanded database for more information (file "*ut_tg_data.xls*"). Within the UCGRAD field, the notation "NA" means "not applicable," either resulting from isothermal or erratic temperature profiles. Blank entries within the "DEPTH" or "BHT" fields denote missing data.

REGION_LOC	HOLE_NAME	PUB_REF	COUNTY	MAPNO	TRS	UTM_E (m)	UTM_N (m)	DEPTH (m)	BHT (°C)	UCGRAD (°C/km)
Cove Fort	42-7	GLEN822	Beaver	BE-1	(C-26-06)07ba	363176	4269746	2358	170	NA
Cove Fort	P91-4	HUTT92	Beaver	BE-2	(C-26-06)18	362875	4267442	745	163	1456
Cove Fort	431	AMAX98	Beaver	BE-3	(C-26-06)20c	363786	4266139	70	14	75
Cove Fort	430	AMAX98	Beaver	BE-4	(C-26-06)30d	363418	4263980		12	42
Cove Fort	34-7	HUTT92	Beaver	BE-5	(C-26-06)07	363492	4269330	355	177	470
Cove Fort	161	AMAX98	Beaver	BE-6	(C-26-07)12da	362284	4269062	89	38	172
Cove Fort	399	AMAX98	Beaver	BE-7	(C-26-07)12da	362032	4269221	92	42	346
Cove Fort	269	AMAX98	Beaver	BE-8	(C-26-07)13ac	361677	4267696	64	22	182
Cove Fort	212	AMAX98	Beaver	BE-9	(C-26-07)14db	360029	4267669	35	17	255
Cove Fort	367	AMAX98	Beaver	BE-10	(C-26-07)17a	355718	4267945	28	13	19
Cove Fort	150	AMAX98	Beaver	BE-11	(C-26-07)18c	352931	4267141	35	13	40
Cove Fort	149	AMAX98	Beaver	BE-12	(C-26-07)19b	352914	4266653	40	13	25
Cove Fort	152	AMAX98	Beaver	BE-13	(C-26-07)20d	355668	4265637	58	16	108
Cove Fort	154	AMAX98	Beaver	BE-14	(C-26-07)21d	357385	4265595		14	27
Cove Fort	268	AMAX98	Beaver	BE-15	(C-26-07)23d	360477	4265374	60	17	97
Cove Fort	323	AMAX98	Beaver	BE-16	(C-26-07)27d	358779	4264039	35	12	49
Cove Fort	155	AMAX98	Beaver	BE-17	(C-26-07)28b	356059	4264575		17	44
Cove Fort	147	AMAX98	Beaver	BE-18	(C-26-07)30a	354199	4264942	54	14	48
Cove Fort	148	AMAX98	Beaver	BE-19	(C-26-07)31d	354205	4262844		15	49
Cove Fort	287	AMAX98	Beaver	BE-20	(C-26-07)35c	359251	4262576		14	31
Cove Creek	276	AMAX98	Beaver	BE-21	(C-26-08)05c	344924	4270545	147	20	50
Cove Creek	368	AMAX98	Beaver	BE-22	(C-26-08)17b	345271	4268218	59	15	33
Roosevelt HS	Crater-2	SILL772	Beaver	BE-23	(C-26-08)30cda	343168	4264140	90	9	10
Roosevelt HS	82-33	FAUL94	Beaver	BE-24	(C-26-09)03ac	337698	4264060	1892	265	57
Roosevelt HS	UU76TG6	SILL772	Beaver	BE-25	(C-26-09)07caa	333876	4269934	98	20	28
Roosevelt HS	170	AMAX98	Beaver	BE-26	(C-26-09)08b	335100	4270497	68	19	59
Roosevelt HS	418	AMAX98	Beaver	BE-27	(C-26-09)10ab	338800	4270277	66	17	33
Roosevelt HS	191	AMAX98	Beaver	BE-28	(C-26-09)13c	341240	4268075	50	15	43
Roosevelt HS	UU76TG5	SILL772	Beaver	BE-29	(C-26-09)14daa	340893	4268159	50	15	49
Roosevelt HS	192	AMAX98	Beaver	BE-30	(C-26-09)15b	338541	4268251	59	25	208
Roosevelt HS	UU76TG1	SILL772	Beaver	BE-31	(C-26-09)15cba	338150	4268303	60	26	166
Roosevelt HS	438	AMAX98	Beaver	BE-32	(C-26-09)16a	337568	4268448	88	19	80

REGION_LOC	HOLE_NAME	PUB_REF	COUNTY	MAPNO	TRS	UTM_E (m)	UTM_N (m)	DEPTH (m)	BHT (°C)	UCGRAD (°C/km)
Roosevelt HS	341	AMAX98	Beaver	BE-33	(C-26-09)16b	336856	4268551	75	16	40
Roosevelt HS	UU76TG0	SILL772	Beaver	BE-34	(C-26-09)16bdc	336697	4268488	78	19	62
Roosevelt HS	437	AMAX98	Beaver	BE-35	(C-26-09)16d	337779	4267678	75	16	64
Roosevelt HS	UU76TG3	SILL772	Beaver	BE-36	(C-26-09)19dbc	333997	4266501	100	36	49
Roosevelt HS	383	AMAX98	Beaver	BE-37	(C-26-09)20ac	335577	4266930	43	37	468
Roosevelt HS	UU-7513	SILL772	Beaver	BE-38	(C-26-09)20ac	335645	4266911	43	37	567
Roosevelt HS	190	AMAX98	Beaver	BE-39	(C-26-09)25d	342204	4264348		14	30
Roosevelt HS	UU76	SILL772	Beaver	BE-40	(C-26-09)25dca	341960	4264341	150	15	30
Roosevelt HS	189	AMAX98	Beaver	BE-41	(C-26-09)26a	340494	4265181		20	75
Roosevelt HS	382	AMAX98	Beaver	BE-42	(C-26-09)27bb	338015	4265700	35	31	455
Roosevelt HS	UU-73	SILL772	Beaver	BE-43	(C-26-09)27bbb	337935	4265887	35	31	48
Roosevelt HS	336	AMAX98	Beaver	BE-44	(C-26-09)28d	337682	4265026		61	362
Roosevelt HS	16	AMAX98	Beaver	BE-45	(C-26-09)29a	336447	4266039		69	420
Roosevelt HS	PHIL-4	SILL772	Beaver	BE-46	(C-26-09)30c	333307	4264794	55	35	393
Roosevelt HS	14	AMAX98	Beaver	BE-47	(C-26-09)32a	335862	4263887	138	43	440
Roosevelt HS	RHS-25	SILL772	Beaver	BE-48	(C-26-09)32aa	335512	4263849	144	51	205
Roosevelt HS	335	AMAX98	Beaver	BE-49	(C-26-09)33b	336733	4263824		43	109
Roosevelt HS	188	AMAX98	Beaver	BE-50	(C-26-09)34a	339504	4263646		90	403
Roosevelt HS	426	AMAX98	Beaver	BE-51	(C-26-09)35c	340537	4262971		23	108
Roosevelt HS	12-35	FAUL94	Beaver	BE-52	(C-26-09)35c	339371	4264004	2232	227	NA
Roosevelt HS	427	AMAX98	Beaver	BE-53	(C-26-09)36a	341724	4263413		15	64
Roosevelt HS	425	AMAX98	Beaver	BE-54	(C-26-09)36b	341378	4264031		18	57
Roosevelt HS	24-36	FAUL94	Beaver	BE-55	(C-26-09)36b	340130	4262679	1738	149	79
Roosevelt HS	193	AMAX98	Beaver	BE-56	(C-26-10)19d	334318	4266438	98	37	300
Roosevelt HS	198	AMAX98	Beaver	BE-57	(C-26-10)25a	332340	4265258		33	105
Roosevelt HS	PHIL-3	SILL772	Beaver	BE-58	(C-26-10)25a	332305	4265648	85	31	120
Roosevelt HS	1-26	SHAN835	Beaver	BE-59	(C-26-10)26ca	328699	4265502	3855	230	60
Milford Valley	23	AMAX98	Beaver	BE-60	(C-26-11)24ac	322712	4267274	124	21	86
Mineral Mtns.	146	AMAX98	Beaver	BE-62	(C-27-08)04d	346909	4261348	85	12	35
Mineral Mtns.	Ryans	SILL772	Beaver	BE-63	(C-27-08)04dcd	346857	4260883	100	11	20
Mineral Mtns.	169	AMAX98	Beaver	BE-64	(C-27-08)05c	344346	4260998	152	11	16
Mineral Mtns.	101	AMAX98	Beaver	BE-65	(C-27-08)06a	343974	4262037	48	11	48

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Mineral Mtns.	Crater-3	SILL772	Beaver	BE-66	(C-27-08)06aa	344328	4261853	59	11	18
Mineral Mtns.	Bearskin	SILL772	Beaver	BE-67	(C-27-08)08baa	344799	4260511	156	11	36
Roosevelt HS	Negro-21	SILL772	Beaver	BE-68	(C-27-09)01	340399	4261752	32	18	150
Roosevelt HS	103	AMAX98	Beaver	BE-69	(C-27-09)01b	341091	4261894		36	217
Roosevelt HS	102	AMAX98	Beaver	BE-70	(C-27-09)01bc	341166	4261913	22	19	375
Roosevelt HS	122	AMAX98	Beaver	BE-71	(C-27-09)02b	339992	4261883	30	20	257
Roosevelt HS	14-2	WARD7810	Beaver	BE-72	(C-27-09)02b	339339	4261951	1862	268	NA
Roosevelt HS	429	AMAX98	Beaver	BE-73	(C-27-09)02c	339922	4261418	102	25	127
Roosevelt HS	6	AMAX98	Beaver	BE-74	(C-27-09)02c	339552	4261270	54	18	143
Roosevelt HS	RHS-20	SILL772	Beaver	BE-75	(C-27-09)02caa	339895	4261818	105	25	133
Roosevelt HS	428	AMAX98	Beaver	BE-76	(C-27-09)02d	340746	4261179	55	21	120
Roosevelt HS	54-3	FAUL94	Beaver	BE-77	(C-27-09)03a	338660	4262042	878	261	10
Roosevelt HS	374	AMAX98	Beaver	BE-78	(C-27-09)03bb	337947	4262495	69	76	768
Roosevelt HS	28-3	FAUL94	Beaver	BE-79	(C-27-09)03c	337871	4260970	1097	261	NA
Roosevelt HS	3-1	FAUL94	Beaver	BE-80	(C-27-09)03c	338584	4261744	831	254	NA
Roosevelt HS	35-3	FAUL94	Beaver	BE-81	(C-27-09)03c	338286	4261661	762	260	NA
Roosevelt HS	UU-751A	SILL772	Beaver	BE-82	(C-27-09)03cbb	337674	4261596	69	76	745
Roosevelt HS	DH-11	BLAC741	Beaver	BE-83	(C-27-09)04ad	337441	4262068	58	45	455
Roosevelt HS	11	AMAX98	Beaver	BE-84	(C-27-09)04b	336680	4262094	60	45	475
Roosevelt HS	381	AMAX98	Beaver	BE-85	(C-27-09)04dd	337475	4261260	65	49	523
Roosevelt HS	UU-751B	SILL772	Beaver	BE-86	(C-27-09)04dda	337551	4261143	65	49	569
Roosevelt HS	12	AMAX98	Beaver	BE-87	(C-27-09)05b	334605	4262569	150	42	169
Roosevelt HS	DH-12	BLAC741	Beaver	BE-88	(C-27-09)05b	335014	4262226	147		155
Roosevelt HS	10	AMAX98	Beaver	BE-89	(C-27-09)07c	333008	4259616	192	41	160
Roosevelt HS	DH-10	BLAC741	Beaver	BE-90	(C-27-09)07cc	332835	4260130	189		91
Roosevelt HS	RHS-14	SILL772	Beaver	BE-91	(C-27-09)07cc	332938	4259703	195	41	75
Roosevelt HS	4	AMAX98	Beaver	BE-92	(C-27-09)07d	333982	4259462	168	41	145
Roosevelt HS	DH-4	BLAC741	Beaver	BE-93	(C-27-09)07d	334168	4259991	168		96
Roosevelt HS	RHS-15	SILL772	Beaver	BE-94	(C-27-09)07dd	334272	4259556	175	42	90
Roosevelt HS	9-1	LEAR852	Beaver	BE-95	(C-27-09)09ba	336947	4260612	2099	225	56
Roosevelt HS	13-10	FAUL94	Beaver	BE-96	(C-27-09)10b	337734	4260263	1631	248	28
Roosevelt HS	Big Cedar	SILL772	Beaver	BE-97	(C-27-09)14bdc	339487	4258440	100	20	66

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Roosevelt HS	15	AMAX98	Beaver	BE-98	(C-27-09)15a	338922	4259017		53	402
Roosevelt HS	25-15	FAUL94	Beaver	BE-99	(C-27-09)15bc	338076	4258191	2287	235	73
Roosevelt HS	DH-6	BLAC741	Beaver	BE-100	(C-27-09)16	339895	4261829	95		91
Roosevelt HS	DH-5	BLAC741	Beaver	BE-101	(C-27-09)16a	336210	4259572	140		411
Roosevelt HS	72-16	WARD7810	Beaver	BE-102	(C-27-09)16a	337360	4259038	382	243	612
Roosevelt HS	RHS-7	SILL772	Beaver	BE-103	(C-27-09)16ad	337610	4258433	90	95	700
Roosevelt HS	199	AMAX98	Beaver	BE-104	(C-27-09)16bb	336295	4259240	140	74	441
Roosevelt HS	105	AMAX98	Beaver	BE-105	(C-27-09)16d	337155	4257943	18	33	1210
Roosevelt HS	7	AMAX98	Beaver	BE-106	(C-27-09)16d	337469	4258370	85	95	553
Roosevelt HS	DH-7	BLAC741	Beaver	BE-107	(C-27-09)16d	337534	4258990	85		501
Roosevelt HS	DH-8	BLAC741	Beaver	BE-108	(C-27-09)16d	337296	4258440	15		1092
Roosevelt HS	379	AMAX98	Beaver	BE-109	(C-27-09)17a	335681	4260568	185	62	250
Roosevelt HS	5	AMAX98	Beaver	BE-110	(C-27-09)17a	335908	4259312		59	333
Roosevelt HS	PHIL-5	SILL772	Beaver	BE-111	(C-27-09)17a	335819	4258803	185	62	140
Roosevelt HS	GPC-15	HELT78	Beaver	BE-112	(C-27-09)18	334241	4258047	576	69	63
Roosevelt HS	52-21	GETT78	Beaver	BE-113	(C-27-09)21ab	336771	4257118	2316	206	60
Roosevelt HS	9	AMAX98	Beaver	BE-114	(C-27-09)21c	336461	4256447	77	26	150
Roosevelt HS	DH-9	BLAC741	Beaver	BE-115	(C-27-09)21dd	337051	4257135	73		140
Roosevelt HS	121	AMAX98	Beaver	BE-116	(C-27-09)29a	335691	4255497	30	18	217
Roosevelt HS	196	AMAX98	Beaver	BE-117	(C-27-09)29ac	335333	4255553	109	32	187
Milford Valley	339	AMAX98	Beaver	BE-118	(C-27-09)30a	333649	4255606	88	32	217
Milford Valley	125	AMAX98	Beaver	BE-119	(C-27-09)32a	335534	4254246	35	21	93
Roosevelt HS	DH-2	BLAC741	Beaver	BE-120	(C-27-09)32a	335456	4255968	34		89
Milford Valley	436	AMAX98	Beaver	BE-121	(C-27-09)32b	334455	4254468	88	17	117
Milford Valley	435	AMAX98	Beaver	BE-122	(C-27-09)32c	334535	4253256	60	13	52
Roosevelt HS	UU76-1A	SILL772	Beaver	BE-123	(C-27-09)34cab	338052	4263465	64	108	1313
Roosevelt HS	EV4113	SILL772	Beaver	BE-124	(C-27-09)35	340534	4252269	36	10	44
Mineral Mtns.	195	AMAX98	Beaver	BE-125	(C-27-09)35d	339937	4253446	35	10	21
Roosevelt HS	EV4115	SILL772	Beaver	BE-126	(C-27-09)35db	340189	4252487	70	12	37
Milford Valley	22	AMAX98	Beaver	BE-127	(C-27-10)07c	323780	4260324	89	20	48
Milford Valley	3	AMAX98	Beaver	BE-128	(C-27-10)10d	329663	4259530	191	36	270
Roosevelt HS	DH-3	BLAC741	Beaver	BE-129	(C-27-10)10ddd	329607	4260198	203	36	60

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Roosevelt HS	PHIL-2	SILL772	Beaver	BE-130	(C-27-10)12d	332785	4259409	115	34	120
Roosevelt HS	384	AMAX98	Beaver	BE-131	(C-27-10)12dd	332518	4259770	115	34	195
Milford Valley	13	AMAX98	Beaver	BE-132	(C-27-10)23c	329844	4256540	144	32	218
Roosevelt HS	RHS-5	SILL772	Beaver	BE-133	(C-27-10)23ca	329644	4257377	151	32	58
The Big Wash	332	AMAX98	Beaver	BE-134	(C-27-11)03d	317870	4261444	64	19	82
The Big Wash	329	AMAX98	Beaver	BE-135	(C-27-11)07d	314849	4260280	60	16	40
The Big Wash	327	AMAX98	Beaver	BE-136	(C-27-11)08a	316172	4261260	109	18	36
The Big Wash	330	AMAX98	Beaver	BE-137	(C-27-11)17ad	316420	4259112	37	16	63
The Big Wash	331	AMAX98	Beaver	BE-138	(C-27-11)17d	316060	4259031	40	17	92
The Big Wash	333	AMAX98	Beaver	BE-139	(C-27-12)10b	309038	4261493	60	19	83
The Big Wash	334	AMAX98	Beaver	BE-140	(C-27-12)11b	310766	4261475	104	22	47
The Big Wash	409	AMAX98	Beaver	BE-141	(C-27-12)19d	305358	4256974	96	18	62
San Francisco Mt	326	AMAX98	Beaver	BE-142	(C-27-12)22b	299065	4258183	70	29	130
The Big Wash	315	AMAX98	Beaver	BE-143	(C-27-12)32cc	305618	4253980	110	23	96
The Big Wash	407	AMAX98	Beaver	BE-144	(C-27-12)34a	309670	4254941	95	18	49
San Francisco Mt	337	AMAX98	Beaver	BE-145	(C-27-13)03c	299696	4262443	152	17	26
San Francisco Mt	432	AMAX98	Beaver	BE-146	(C-27-13)14d	301918	4258790	64	12	31
San Francisco Mt	433	AMAX98	Beaver	BE-147	(C-27-13)16b	297638	4260118	58	22	140
San Francisco Mt	325	AMAX98	Beaver	BE-148	(C-27-13)22b	299116	4257771	94	35	220
San Francisco Mt	388	AMAX98	Beaver	BE-149	(C-27-13)26acb	301014	4256644	200	42	142
San Francisco Mt	403	AMAX98	Beaver	BE-150	(C-27-13)26d	301310	4256062	65	24	161
San Francisco Mt	434	AMAX98	Beaver	BE-151	(C-27-13)27d	299833	4255677	45	22	222
San Francisco Mt	318	AMAX98	Beaver	BE-152	(C-27-13)36d	303109	4254297	68	18	92
San Francisco Mt	319	AMAX98	Beaver	BE-153	(C-27-13)36d	303083	4254641	53	17	93
Milford Valley	338	AMAX98	Beaver	BE-154	(C-28-09)04b	336106	4252746	88	17	56
Mineral Mtns.	194	AMAX98	Beaver	BE-155	(C-28-09)16b	336279	4249213	25	12	35
Milford Valley	341	AMAX98	Beaver	BE-156	(C-28-10)01b	331672	4252905		22	52
Milford Valley	133	AMAX98	Beaver	BE-157	(C-28-10)21d	327543	4246542	30	15	60
Star Range	131	AMAX98	Beaver	BE-158	(C-28-11)28a	317270	4246179		17	12
The Big Wash	408	AMAX98	Beaver	BE-159	(C-28-12)05d	306235	4252011	143	18	48
The Big Wash	405	AMAX98	Beaver	BE-160	(C-28-12)07c	304402	4251023	65	16	59
The Big Wash	317	AMAX98	Beaver	BE-161	(C-28-12)08c	305854	4250343	88	18	64

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The Big Wash	316	AMAX98	Beaver	BE-162	(C-28-12)09c	307288	4250731	78	16	46
The Big Wash	404	AMAX98	Beaver	BE-163	(C-28-12)15c	309177	4249331	95	15	36
San Francisco Mt	312	AMAX98	Beaver	BE-164	(C-28-13)02cd	301282	4252820	103	18	53
The Big Wash	406	AMAX98	Beaver	BE-165	(C-28-13)13c	302108	4249080	95	16	56
White Mountain	311	AMAX98	Beaver	BE-166	(C-28-13)35c	300841	4244514	42	14	40
Wah Wah Valley	310	AMAX98	Beaver	BE-167	(C-28-14)03bd	289092	4253514	220	26	42
Wah Wah Valley	308	AMAX98	Beaver	BE-168	(C-28-14)27	289555	4246917	230	20	35
Wah Wah Valley	402	AMAX98	Beaver	BE-169	(C-28-14)36d	293381	4244579	65	17	58
Beaver Basin	413	AMAX98	Beaver	BE-170	(C-29-06)19b	361751	4237436	95	16	44
Mineral Mtns.	213	AMAX98	Beaver	BE-171	(C-29-08)06ab	342815	4242910	98	13	14
Beaver Basin	417	AMAX98	Beaver	BE-172	(C-29-08)26a	349277	4235794	95	16	49
Mineral Mtns.	214	AMAX98	Beaver	BE-173	(C-29-09)02cc	339034	4241875	148	12	11
Mineral Mtns.	216	AMAX98	Beaver	BE-174	(C-29-09)16cd	336027	4238516	90	13	44
Mineral Mtns.	410	AMAX98	Beaver	BE-175	(C-29-09)19a	333430	4238203	60	14	26
Mineral Mtns.	106	AMAX98	Beaver	BE-176	(C-29-09)20a	334874	4237340		21	77
Mineral Mtns.	163	AMAX98	Beaver	BE-177	(C-29-09)20a	335367	4237941	62	13	1
Mineral Mtns.	0	AMAX98	Beaver	BE-178	(C-29-09)20c	334567	4235615	93	16	49
Mineral Mtns.	324	AMAX98	Beaver	BE-179	(C-29-09)20c	333913	4237016	58	15	18
Mineral Mtns.	411	AMAX98	Beaver	BE-180	(C-29-09)20c	334211	4237032	55	17	28
Mineral Mtns.	103	AMAX98	Beaver	BE-181	(C-29-09)20cd	334760	4236887	24	14	70
Mineral Mtns.	412	AMAX98	Beaver	BE-182	(C-29-09)21a	336827	4237867	58	11	35
Beaver Basin	220	AMAX98	Beaver	BE-183	(C-29-09)26dc	339976	4235095	64	16	41
Mineral Mtns.	134	AMAX98	Beaver	BE-184	(C-29-09)29b	334335	4235819	52	14	44
Milford Valley	301	AMAX98	Beaver	BE-185	(C-29-10)03b	327911	4242481	50	14	64
Mineral Mtns.	217	AMAX98	Beaver	BE-186	(C-29-10)12ca	331475	4240541	97	14	15
Milford Valley	302	AMAX98	Beaver	BE-187	(C-29-10)15b	328185	4239289	60	16	107
Minersville	218	AMAX98	Beaver	BE-188	(C-29-10)24cd	331247	4236782	97	17	36
Minersville	303	AMAX98	Beaver	BE-189	(C-29-10)33a	326630	4234515	45	14	135
Thermo HS	E-1	REPU77	Beaver	BE-190	(C-29-11)11dbb	321036	4240304	146	22	55
Thermo HS	E-21	REPU77	Beaver	BE-191	(C-29-11)11dbb	320232	4241075	450	39	57
Star Range	172	AMAX98	Beaver	BE-192	(C-29-12)02d	310814	4242320	50	16	34
Thermo HS	EV-1322	REPU77	Beaver	BE-193	(C-29-12)33dcc	306395	4234302	152	21	39

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Thermo HS	128	AMAX98	Beaver	BE-194	(C-29-12)36b	311223	4234738	30	14	37
Thermo HS	EV-1512	REPU77	Beaver	BE-195	(C-29-12)36ccc	311251	4234090	152	19	34
White Mountain	286	AMAX98	Beaver	BE-196	(C-29-13)06b	294525	4243129	75	14	18
White Mountain	285	AMAX98	Beaver	BE-197	(C-29-13)07a	294639	4241760	66	18	82
White Mountain	283	AMAX98	Beaver	BE-198	(C-29-13)08a	296830	4242271	67	14	26
White Mountain	284	AMAX98	Beaver	BE-199	(C-29-13)18a	295296	4241121	65	16	46
Wah Wah Valley	304	AMAX98	Beaver	BE-200	(C-29-14)12c	292164	4241512	157	24	70
Beaver Basin	414	AMAX98	Beaver	BE-201	(C-30-07)02a	358070	4232616	70	18	84
Beaver Basin	416	AMAX98	Beaver	BE-202	(C-30-08)03b	348340	4233003	95	15	28
Beaver Basin	415	AMAX98	Beaver	BE-203	(C-30-08)10c	347145	4229950	95	13	16
Minersville	300	AMAX98	Beaver	BE-204	(C-30-10)06d	323987	4232163	41	14	17
Minersville	421	AMAX98	Beaver	BE-205	(C-30-10)13c	331321	4228543	85	19	55
Black Mtns.	420	AMAX98	Beaver	BE-206	(C-30-10)28d	326559	4225868	80	21	92
Black Mtns.	419	AMAX98	Beaver	BE-207	(C-30-10)32c	324150	4223955	90	22	90
Thermo HS	EV-2222	REPU77	Beaver	BE-208	(C-30-11)18bdd	313311	4229442	152	20	56
Black Mtns.	345	AMAX98	Beaver	BE-209	(C-30-11)22a	318952	4228732	29	21	297
Black Mtns.	186	AMAX98	Beaver	BE-210	(C-30-11)26d	319869	4225792	35	19	157
Black Mtns.	108	AMAX98	Beaver	BE-211	(C-30-11)27b	317992	4226922	91	20	65
Black Mtns.	118	AMAX98	Beaver	BE-212	(C-30-11)30d	313460	4226159	28	17	84
Black Mtns.	274	AMAX98	Beaver	BE-213	(C-30-11)32a	315044	4225245	64	24	122
Black Mtns.	347	AMAX98	Beaver	BE-214	(C-30-11)34b	317970	4225557	37	18	133
Black Mtns.	289	AMAX98	Beaver	BE-215	(C-30-11)34cb	317744	4224463	63	19	72
Black Mtns.	224	AMAX98	Beaver	BE-216	(C-30-11)36a	321432	4225113	67	20	82
Thermo HS	129	AMAX98	Beaver	BE-217	(C-30-12)01b	311223	4233972	38	15	32
Thermo HS	348	AMAX98	Beaver	BE-218	(C-30-12)04d	307187	4232579	40	17	94
Thermo HS	E-5a	REPU77	Beaver	BE-219	(C-30-12)08cbb	304578	4230915	46	15	33
Thermo HS	EV-1410	REPU77	Beaver	BE-220	(C-30-12)09daa	307811	4231673	152	24	51
Thermo HS	116	AMAX98	Beaver	BE-221	(C-30-12)11b	309475	4232269	40	17	82
Thermo HS	EV-1033	REPU77	Beaver	BE-222	(C-30-12)12bcb	311107	4231866	152	21	61
Thermo HS	E-20	REPU77	Beaver	BE-223	(C-30-12)17dcc	306147	4229279	116	27	133
Thermo HS	EV-1622	REPU77	Beaver	BE-224	(C-30-12)20caa	305274	4228359	152	22	100
Thermo HS	349	AMAX98	Beaver	BE-225	(C-30-12)20d	305956	4227645	29	12	63

REGION_LOC	HOLE_NAME	PUB_REF	COUNTY	MAPNO	TRS	UTM_E (m)	UTM_N (m)	DEPTH (m)	BHT (°C)	UCGRAD (°C/km)
Thermo HS	E-22	REPU77	Beaver	BE-226	(C-30-12)21cbc	306103	4227647	552	51	70
Thermo HS	350	AMAX98	Beaver	BE-227	(C-30-12)22c	308274	4228156	29	22	494
Thermo HS	119	AMAX98	Beaver	BE-228	(C-30-12)23b	309400	4229084	265	14	222
Black Mtns.	346	AMAX98	Beaver	BE-229	(C-30-12)25d	312473	4226292	30	18	187
Thermo HS	352	AMAX98	Beaver	BE-230	(C-30-12)27a	309218	4226923	30	15	94
Thermo HS	351	AMAX98	Beaver	BE-231	(C-30-12)27c	307878	4226622	32	26	331
Thermo HS	E-10	REPU77	Beaver	BE-232	(C-30-12)29ccc	304449	4226077	143	31	136
Thermo HS	E-23	REPU77	Beaver	BE-233	(C-30-12)29ccc	304460	4226085	750	32	120
Thermo HS	353	AMAX98	Beaver	BE-234	(C-30-12)29d	305347	4226349	29	14	110
Thermo HS	57-29	REPU77	Beaver	BE-235	(C-30-12)29dcb	305495	4226452	2221	160	49
Thermo HS	EV-232	REPU77	Beaver	BE-236	(C-30-12)29ddd	305976	4226141	152	30	124
Thermo HS	250	AMAX98	Beaver	BE-237	(C-30-12)32d	305515	4224968	68	20	111
Thermo HS	251	AMAX98	Beaver	BE-238	(C-30-12)34a	308561	4225840	67	24	121
Black Mtns.	249	AMAX98	Beaver	BE-239	(C-30-12)36a	312456	4225194	67	19	66
Black Mtns.	113	AMAX98	Beaver	BE-240	(C-30-12)36dd	312295	4224276	63	26	131
Escalante Des.	BM-4	CHAP813	Beaver	BE-241	(C-30-12)36ddc	312234	4224333	65	26	163
Thermo HS	320	AMAX98	Beaver	BE-242	(C-30-13)02c	300290	4233152	123	18	22
Thermo HS	E-6	REPU77	Beaver	BE-243	(C-30-13)02cbc	299780	4232623	128	17	24
Thermo HS	E-7	REPU77	Beaver	BE-244	(C-30-13)17abb	296530	4231090	143	23	51
Thermo HS	EV-540	REPU77	Beaver	BE-245	(C-30-13)24add	302892	4228566	152	24	60
Thermo HS	E-12	REPU77	Beaver	BE-246	(C-30-13)34abb	299628	4226185	137	18	57
Thermo HS	EV-411	REPU77	Beaver	BE-247	(C-30-13)36aaa	302827	4226082	152	23	41
Wasatch Front	UT/GH-B	MURP792	Box Elder	BO-1	(B-07-02)14ddd	413842	4576460	27	59	633
Wasatch Front	Christensen 1-9	HENR00	Box Elder	BO-2	(B-09-03)24da	406199	4594483	1829	107	58
Great Salt Lake	Chesapeak Energy Co. #1A	HENR00	Box Elder	BO-3	(B-09-03)27cc	402021	4592995	1408	97	69
Little Mountain	RDH-21	AMAX98	Box Elder	BO-4	(B-10-01)01acc	397002	4609256	19	16	240
Little Mountain	RDH-13	AMAX98	Box Elder	BO-5	(B-10-03)18baa	397734	4606824	147	17	34
Little Mountain	RDH-14	AMAX98	Box Elder	BO-6	(B-10-03)18bcb	397566	4606183	152	17	32
Little Mountain	RDH-27	AMAX98	Box Elder	BO-7	(B-10-03)18dcb	397841	4605601	152	19	36
Little Mountain	RDH-9	AMAX98	Box Elder	BO-8	(B-10-03)19bda	397727	4604604	106	21	64
Little Mountain	RDH-8	AMAX98	Box Elder	BO-9	(B-10-03)19cbb	397016	4604425	112	38	200
Little Mountain	RDH-22	AMAX98	Box Elder	BO-10	(B-10-04)01cad	396189	4608956	37	14	53

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Little Mountain	RDH-17	AMAX98	Box Elder	BO-11	(B-10-04)11dcd	394900	4606843	66	19	NA
Little Mountain	RDH-18	AMAX98	Box Elder	BO-12	(B-10-04)12abd	396501	4608064	17	12	20
Little Mountain	RDH-23a	AMAX98	Box Elder	BO-13	(B-10-04)12bba	395671	4608275	23	14	32
Little Mountain	RDH-23b	AMAX98	Box Elder	BO-14	(B-10-04)12cab	395960	4607538	24	15	13
Little Mountain	RDH-15	AMAX98	Box Elder	BO-15	(B-10-04)13dad	396926	4605703	141	24	66
Little Mountain	RDH-16	AMAX98	Box Elder	BO-16	(B-10-04)14cdc	394886	4605333	27	20	100
Little Mountain	RDH-6	AMAX98	Box Elder	BO-17	(B-10-04)23dda	395236	4604140	30	22	500
Little Mountain	RDH-7	AMAX98	Box Elder	BO-18	(B-10-04)24aca	396577	4604642	142	28	96
Little Mountain	RDH-26	AMAX98	Box Elder	BO-19	(B-10-04)24bcd	395824	4604486	152	27	78
Little Mountain	RDH-1	AMAX98	Box Elder	BO-20	(B-10-04)24dcd	395864	4603742	12	47	2000
Little Mountain	RDH-2	AMAX98	Box Elder	BO-21	(B-10-04)25aad	396809	4603395	42	38	546
Wasatch Front	C(M)/GH-A	MURP792	Box Elder	BO-22	(B-11-02)29dad	409573	4612296	67	61	263
Wasatch Front	BEP-05	KLAU842	Box Elder	BO-23	(B-11-03)05	397832	4619760	43	14	34
Wasatch Front	BEP-06	KLAU842	Box Elder	BO-24	(B-11-04)03	392186	4619287	86	14	18
Wasatch Front	BEP-07	KLAU842	Box Elder	BO-25	(B-11-04)04	392019	4618981	90	15	21
Curlew Valley	TG-14	DAVI842	Box Elder	BO-26	(B-11-12)04cbc	407567	4627432	65	15	44
Curlew Valley	TG-15	DAVI842	Box Elder	BO-27	(B-11-12)05dbb	323556	4629013	56	14	75
Wasatch Front	BEP-10	KLAU842	Box Elder	BO-28	(B-12-02)03	412530	4629281	88	20	11
Wasatch Front	BEP-02	KLAU842	Box Elder	BO-29	(B-12-03)11	404294	4627477	35	15	27
Wasatch Front	BEP-01	KLAU842	Box Elder	BO-30	(B-12-04)22	392818	4622979	37	13	64
Wasatch Front	BEP-12	KLAU842	Box Elder	BO-31	(B-13-02)28	411414	4630498	184	22	65
Wasatch Front	UDY/GH-B	MURP792	Box Elder	BO-32	(B-13-03)23bdb	403762	4633880	82	45	325
Wasatch Front	BEP-13	KLAU842	Box Elder	BO-33	(B-13-03)28	401654	4632168	30	15	185
Hansel Valley	TG-01	DAVI842	Box Elder	BO-34	(B-13-06)30bbc	367963	4631848	93	17	86
Curlew Valley	TG-09	DAVI842	Box Elder	BO-35	(B-13-07)23bcd	365110	4633506	65	14	46
Curlew Valley	TG-10	DAVI842	Box Elder	BO-36	(B-13-09)01bcd	349088	4638486	101	8	39
Curlew Valley	TG-06	DAVI842	Box Elder	BO-37	(B-13-10)11dcd	338430	4636283	39	13	65
Curlew Valley	TG-07	DAVI842	Box Elder	BO-38	(B--13-10)34dd	336945	4629806	22	15	44
Curlew Valley	TG-13	DAVI842	Box Elder	BO-39	(B-13-11)10cdc	326466	4636626	82	17	59
Wasatch Front	BEP-04	KLAU842	Box Elder	BO-40	(B-14-02)11	403303	4636403	66	19	140
Wasatch Front	BEP-11	KLAU842	Box Elder	BO-41	(B-14-03)35	404409	4639749	130	14	10
Curlew Valley	TG-12	DAVI842	Box Elder	BO-42	(B-14-08)06abb	351382	4648930	43	16	135

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Curlew Valley	TG-11	DAVI842	Box Elder	BO-43	(B-14-08)28bbb	353757	4642400	51	11	44
Curlew Valley	TG-03	DAVI842	Box Elder	BO-44	(B-14-09)02dbb	347839	4629658	100	24	267
Curlew Valley	TG-08	DAVI842	Box Elder	BO-45	(B-14-09)04cbb	344111	4648129	76	20	119
Curlew Valley	TG-16	DAVI842	Box Elder	BO-46	(B-14-09)10ada	347215	4646797	27	12	11
Curlew Valley	TG-05	DAVI842	Box Elder	BO-47	(B-14-10)15bbb	336114	4645871	105	14	NA
Curlew Valley	TG-02	DAVI842	Box Elder	BO-48	(B-15-08)36cba	358945	4649546	29	10	18
Curlew Valley	TG-04	DAVI842	Box Elder	BO-49	(B-15-09)28dbd	345213	4651129	134	42	182
Great Salt Lake	Indian Cove - State of Utah #1	HENR00	Box Elder	BO-50	(B-GSL)	364637	4573531	2399	148	62
Great Salt Lake	Indian Cove - State of Utah #1	HENR00	Box Elder	BO-50	(B-GSL)	364637	4573531	1076	76	71
Great Salt Lake	State of Utah "J" #1	HENR00	Box Elder	BO-51	(B-GSL)	361828	4584823	2073	138	67
Great Salt Lake	State of Utah "L" #1	HENR00	Box Elder	BO-52	(B-GSL)	365275	4559593	3490	167	48
Great Salt Lake	State of Utah "Q" #1	HENR00	Box Elder	BO-53	(B-GSL)	346667	4601767	1488	65	44
Great Salt Lake	State of Utah K#1	HENR00	Box Elder	BO-54	(B-GSL)	347046	4588530	1279	58	45
Great Salt Lake	State of Utah P #1	HENR00	Box Elder	BO-55	(B-GSL)	353203	4578451	2391	108	45
Great Salt Lake	W ROZEL STATE UNIT #1	HENR00	Box Elder	BO-56	(B-GSL)	355092	4585022	2591	105	41
Wasatch Front	BEP-03	KLAU842	Box Elder	BO-57	(C-12-02)02	414043	4628308	82	20	135
Wasatch Front	BEP-09	KLAU842	Box Elder	BO-58	(C-13-03)22	403070	4632797	72	24	129
Cache Valley	CVG-06	DEVR82	Cache	CA-1	(A-09-01)10add	432194	4598067	41	12	32
Cache Valley	CVG-03	DEVR82	Cache	CA-2	(A-10-01)16bbd	429450	4606610	85	13	15
Cache Valley	CVG-04	DEVR82	Cache	CA-3	(A-10-01)23baa	433144	4614946	199	16	40
Cache Valley	CVG-01	DEVR82	Cache	CA-4	(A-10-01)26bbb	432295	4603518	53	11	NA
Cache Valley	CVG-02	DEVR82	Cache	CA-5	(A-10-01)27dad	432078	4602565	49	11	NA
Cache Valley	CVG-07	DEVR82	Cache	CA-6	(A-11-01)03acd	431952	4619166	112	11	NA
Cache Valley	CVG-09	DEVR82	Cache	CA-7	(A-12-01)27aaa	432386	4622848	38	33	297
Cache Valley	CVG-10	DEVR82	Cache	CA-8	(A-13-01)03adb	429057	4643366	125	14	36
Cache Valley	CVG-08	DEVR82	Cache	CA-9	(A-13-01)35cdc	432840	4629605	127	16	52
Cache Valley	Steven Szot 1	HENR00	Cache	CA-10	(A-14-01)30ba	426485	4642404	2721	122	45
Cache Valley	CVG-05	DEVR82	Cache	CA-11	(B-10-01)13bca	424447	4606350	34	11	29
Cache Valley	CVG-12	DEVR82	Cache	CA-12	(B-14-01)28cdb	419929	4641142	54	16	36
Cache Valley	CVG-11	DEVR82	Cache	CA-13	(B-15-02)32dda	409740	4649271	179	13	31
Book Cliffs	Stone Cabin #4-A-19	HENR00	Carbon	CR-1	(D-12-15)19aa	566375	4399588	2193	64	29
Book Cliffs	Stobin Federal 21-22	HENR00	Carbon	CR-2	(D-12-15)22ba	566410	4401509	2135	65	31

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Wasatch Plateau	Wildcat Canyon Fed #1	HENR00	Carbon	CR-3	(D-13-08)23cc	499880	4391188	1445	47	32
Wasatch Plateau	Wildcat Canyon Fed #1	HENR00	Carbon	CR-3	(D-13-08)23cc	499880	4391188	969	36	37
Book Cliffs	Jack Canyon 101	HENR00	Carbon	CR-4	(D-13-16)04ab	575003	4397037	4124	114	28
Book Cliffs	Jack Canyon 101	HENR00	Carbon	CR-4	(D-13-16)04ab	575003	4397037	5460	155	28
Book Cliffs	Jack Canyon 101	HENR00	Carbon	CR-4	(D-13-16)04ab	575003	4397037	968	36	38
Wasatch Plateau	Gordon Creek #1	HENR00	Carbon	CR-5	(D-14-08)19dc	494358	4381835	3106	74	24
Wasatch Plateau	Gordon Creek #1	HENR00	Carbon	CR-5	(D-14-08)19dc	494358	4381835	3555	87	25
Wasatch Plateau	State of Utah "S" #1	HENR00	Carbon	CR-6	(D-14-08)33ad	497792	4379325	1246	53	43
Mancos Lowland	Pinnacle Peak Unit #2	HENR00	Carbon	CR-7	(D-14-09)19dd	504182	4381812	960	40	41
Mancos Lowland	Gov't W.A. Drew #1	HENR00	Carbon	CR-8	(D-14-09)34cc	508041	4378596	4241	54	13
Mancos Lowland	State #1-16	HENR00	Carbon	CR-9	(D-14-11)16dc	526753	4383400	3701	96	26
Mancos Lowland	State #1-16	HENR00	Carbon	CR-9	(D-14-11)16dc	526753	4383400	1919	60	31
Uinta Mtns.	Clay Basin Unit Well 59-S	HENR00	Daggett	DG-1	(A-03-24)16cc	649777	4538740	1833	46	25
Uinta Mtns.	Clay Basin Unit #24-S	HENR00	Daggett	DG-2	(A-03-24)21cb	649895	4537909	1765	50	28
Uinta Mtns.	Clay Basin Unit #62	HENR00	Daggett	DG-3	(A-03-24)21cc	651055	4537167	1707	54	32
Uinta Mtns.	Clay Basin Unit #28-S	HENR00	Daggett	DG-4	(A-03-24)22db	652232	4537657	1800	62	34
Uinta Mtns.	Clay Basin Unit Well 46-S	HENR00	Daggett	DG-5	(A-03-24)26bc	653010	4536696	1859	49	27
Uinta Mtns.	12-29 Clay Basin Fed	HENR00	Daggett	DG-6	(A-03-25)29bc	657902	4536666	2222	68	31
Hill AFB	HAFB-1	GLEN807	Davis	DA-1	(A-04-01)16cdd	419351	4547315	390	13	NA
Hill AFB	HAFB-2	GLEN807	Davis	DA-2	(A-04-01)20adb	418505	4546769	994	40	80
Wasatch Plateau	Clear Creek Unit 1	HENR00	Emery	EM-1	(D-14-07)19cd	484182	4381782	2852	81	28
Mancos Lowland	Skyline Spjut #16-1	HENR00	Emery	EM-2	(D-16-11)16ba	526239	4365119	2880	82	28
Book Cliffs	Wilcox #1-24	HENR00	Emery	EM-3	(D-16-15)24dd	569871	4362559	2615	74	28
Book Cliffs	Wilcox #1-24	HENR00	Emery	EM-3	(D-16-15)24dd	569871	4362559	3867	117	30
Book Cliffs	Range Creek Fed Unit #2	HENR00	Emery	EM-4	(D-17-16)27bd	569356	4348837	2027	59	29
Wasatch Plateau	Fed 41-33	HENR00	Emery	EM-5	(D-18-07)33aa	488354	4340558	3746	99	27
Mancos Lowland	Lawrence 15-1	HENR00	Emery	EM-6	(D-18-08)01dc	502562	4347530	2965	98	33
Book Cliffs	Range Creek Fed #1	HENR00	Emery	EM-7	(D-18-16)06ab	571007	4349406	4307	112	26
Book Cliffs	Range Creek Fed #1	HENR00	Emery	EM-7	(D-18-16)06ab	571007	4349406	2269	63	28
Green River Des.	Texaco Gov't Weber #1	HENR00	Emery	EM-8	(D-23-13)13db	548684	4295534	1890	57	30
Green River Des.	Jessies Twist Fed #1-9	HENR00	Emery	EM-9	(D-23-14)09dd	553737	4296843	1663	59	36
Green River Des.	IRON WASH FEDERAL #1	HENR00	Emery	EM-10	(D-24-13)03db	545386	4289090	1159	41	35

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Green River Des.	Fed #11-24-13	HENR00	Emery	EM-11	(D-24-13)11ac	547332	4287814	1287	42	33
Green River Des.	Fed Armstrong #1	HENR00	Emery	EM-12	(D-24-14)10aa	555464	4288255	2220	82	37
Green River Des.	Fed #1-29MW	HENR00	Emery	EM-13	(D-24-15)29ba	561351	4283315	2572	60	24
Green River Des.	Ruby#1	HENR00	Emery	EM-14	(D-24-16)15ca	574761	4286204	1405	42	30
Green River Des.	Gruver Fed #1-22	HENR00	Emery	EM-15	(D-24-16)22ba	574424	4285025	1402	53	38
Green River Des.	Temple Wash Govt. 998-A-#1	HENR00	Emery	EM-16	(D-25-13)11bb	547466	4278349	1577	48	30
Green River Des.	Paradox #1-12	HENR00	Emery	EM-17	(D-25-13)12ba	549520	4278306	1506	46	31
Green River Des.	N Spring Cr. Fed #1	HENR00	Emery	EM-18	(D-26-15)21ab	562907	4265672	1879	66	35
High Plateaus	Allen Fee #1	HENR00	Garfield	GA-1	(C-31-02)03cc	412120	4220663	1768	76	43
High Plateaus	Forest Cr. Divide Unit #1	HENR00	Garfield	GA-2	(C-31-02)28ba	411188	4215569	1122	52	47
High Plateaus	Boulder Mtn. Fed #1	HENR00	Garfield	GA-3	(C-31-04)18ba	455538	4218579	2654	64	24
High Plateaus	Black Canyon #1	HENR00	Garfield	GA-4	(C-32-02)23db	414583	4206477	3367	108	32
High Plateaus	Dixie Unit #2	HENR00	Garfield	GA-5	(C-33-04)02cc	384942	4202446	3138	86	27
High Plateaus	Dixie Unit #2	HENR00	Garfield	GA-5	(C-33-04)02cc	384942	4202446	4653	150	32
High Plateaus	Dixie Unit #2	HENR00	Garfield	GA-5	(C-33-04)02cc	384942	4202446	2360	76	32
High Plateaus	Clay Creek Fed 13-29	HENR00	Garfield	GA-6	(C-34-02)29cc	408763	4185257	3828	98	26
High Plateaus	Clay Creek Fed 13-29	HENR00	Garfield	GA-6	(C-34-02)29cc	408763	4185257	2941	77	26
High Plateaus	Dixie #1-19	HENR00	Garfield	GA-7	(C-34-04)19ca	381026	4188109	2829	73	26
Henry Mtns.	Fed Apple #22-7	HENR00	Garfield	GA-8	(D-31-09)22ac	508681	4216387	1905	54	28
Henry Mtns.	Fed Apple Bush Flats #22-4	HENR00	Garfield	GA-9	(D-31-09)22bb	507830	4216653	2074	49	24
Henry Mtns.	Ellen Unit #1	HENR00	Garfield	GA-10	(D-31-09)24cd	511969	4216247	2454	54	22
Henry Mtns.	Poison Sprs Unit #2 USA	HENR00	Garfield	GA-11	(D-31-12)04aa	536136	4221966	1329	45	34
Henry Mtns.	Dirty Devil Fed #1	HENR00	Garfield	GA-12	(D-31-13)07ac	542213	4219488	1448	42	29
Henry Mtns.	Garfield Fed #1	HENR00	Garfield	GA-13	(D-31-13)08bc	543221	4219571	1297	43	33
High Plateaus	Fed Harvey #1-10R	HENR00	Garfield	GA-14	(D-32-01)10bb	431386	4210347	1525	55	36
Henry Mtns.	Fed Cave Flat #24-7	HENR00	Garfield	GA-15	(D-33-09)24ac	511751	4196897	1903	52	27
Henry Mtns.	Hog Canyon #1	HENR00	Garfield	GA-16	(D-33-13)08bb	543084	4200564	2021	49	24
Kaiparowits Plat	Upper Valley #22	HENR00	Garfield	GA-17	(D-36-01)14bd	432875	4170091	2465	63	26
Kaiparowits Plat	Upper Valley Unit #39	HENR00	Garfield	GA-18	(D-36-01)24cb	434252	4168005	2176	62	28
Kaiparowits Plat	Trap Canyon #1	HENR00	Garfield	GA-19	(D-37-02)19ab	436514	4159344	2326	52	22
Book Cliffs	One Eye State 17-3	HENR00	Grand	GR-1	(D-17-21)17bd	618726	4354338	2988	100	33
Book Cliffs	Bogart Canyon 14-4	HENR00	Grand	GR-2	(D-18-20)35bc	613228	4339915	2460	73	30

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Book Cliffs	Rattlesnake Canyon 2-12	HENR00	Grand	GR-3	(D-19-19)02cb	604027	4336868	1460	45	31
Book Cliffs	Rattlesnake Canyon 2-12	HENR00	Grand	GR-3	(D-19-19)02cb	604027	4336868	2483	77	31
Mancos Lowland	Federal 1-26	HENR00	Grand	GR-4	(D-21-17)26ad	586102	4312255	2521	68	27
Book Cliffs	Blaze A No.1	HENR00	Grand	GR-5	(D-21-18)12ca	596378	4316614	2291	75	33
Book Cliffs	Blaze A No.1	HENR00	Grand	GR-5	(D-21-18)12ca	596378	4316614	1765	62	35
Book Cliffs	#1 Salt Valley N.W. Unit	HENR00	Grand	GR-6	(D-21-18)23bc	594801	4313842	2375	71	30
Mancos Lowland	Govt Smoot #3	HENR00	Grand	GR-7	(D-23-17)17da	581540	4295715	2648	72	27
Mancos Lowland	Gorman Fed #1	HENR00	Grand	GR-8	(D-23-17)21ba	582323	4294747	2742	74	27
Mancos Lowland	Fed Skyline #1A S.W.	HENR00	Grand	GR-9	(D-23-17)21dd	583134	4293567	2704	73	27
Mancos Lowland	Shell Quintana Fed #1-1	HENR00	Grand	GR-10	(D-24-17)01ca	587093	4289037	2786	79	28
Salt Anticline	Salt Valley #1	HENR00	Grand	GR-11	(D-24-20)16ba	611319	4287064	2666	60	23
Salt Anticline	Salt Valley #1	HENR00	Grand	GR-11	(D-24-20)16ba	611319	4287064	3449	78	23
Salt Anticline	Salt Valley #1	HENR00	Grand	GR-11	(D-24-20)16ba	611319	4287064	3206	75	23
Salt Anticline	Conoco Federal #31-1	HENR00	Grand	GR-12	(D-24-23)31db	637969	4281143	3442	67	20
Salt Anticline	Onion Creek Fed No.1	HENR00	Grand	GR-13	(D-24-25)18bc	655484	4286750	5752	141	24
Salt Anticline	Onion Creek Fed No.1	HENR00	Grand	GR-13	(D-24-25)18bc	655484	4286750	3843	97	25
Green River Des.	Quintana 1-35	HENR00	Grand	GR-14	(D-25-18)35cd	595395	4270732	2478	54	22
Salt Anticline	Moab Fed 16-9	HENR00	Grand	GR-15	(D-25-20)09dd	612268	4277055	3037	59	19
Salt Anticline	Gold Bar Unit No.2	HENR00	Grand	GR-16	(D-25-20)23cd	614513	4274112	2951	71	24
Salt Anticline	Arches Fed. 1	HENR00	Grand	GR-17	(D-25-21)18cb	617650	4275790	2439	55	22
Green River Des.	Mineral Canyon Federal 1-3	HENR00	Grand	GR-18	(D-26-19)03ad	604156	4269587	2492	52	21
Green River Des.	USA Sunburst #1	HENR00	Grand	GR-19	(D-26-19)14cc	604767	4265544	2470	55	22
Green River Des.	Mineral Canyon #1-14	HENR00	Grand	GR-20	(D-26-19)14dc	605576	4265654	2487	52	21
Canyonlands	Coors USA No.1-10-LC	HENR00	Grand	GR-21	(D-26-20)10cd	613207	4267357	2597	66	25
Black Mtns.	252	AMAX98	Iron	IR-1	(C-31-11)02ba	319415	4223915	60	30	268
Black Mtns.	59	AMAX98	Iron	IR-2	(C-31-11)03db	318004	4223180	704	59	28
Black Mtns.	279	AMAX98	Iron	IR-3	(C-31-11)07d	313324	4221010	65	16	52
Black Mtns.	290	AMAX98	Iron	IR-4	(C-31-11)09b	315859	4222140	20	16	198
Black Mtns.	291	AMAX98	Iron	IR-5	(C-31-11)09b	315799	4221820	63	25	178
Black Mtns.	BM-3	CHAP813	Iron	IR-6	(C-31-11)09bcd	315878	4221429	65	25	178
Black Mtns.	51-A	AMAX98	Iron	IR-7	(C-31-11)10a	318352	4222251	710	42	NA
Black Mtns.	62-A	AMAX98	Iron	IR-8	(C-31-11)10cb	317320	4221996	485	56	81

REGION_LOC	HOLE_NAME	PUB_REF	COUNTY	MAPNO	TRS	UTM_E (m)	UTM_N (m)	DEPTH (m)	BHT (°C)	UCGRAD (°C/km)
Black Mtns.	288	AMAX98	Iron	IR-9	(C-31-11)14b	319265	4220332	83	21	110
Black Mtns.	222	AMAX98	Iron	IR-10	(C-31-11)16b	315857	4220108	67	18	90
Black Mtns.	342	AMAX98	Iron	IR-11	(C-31-11)18a	313521	4220006		18	43
Black Mtns.	BM-1	CHAP813	Iron	IR-12	(C-31-11)18adb	313700	4220169	75	17	49
Black Mtns.	160	AMAX98	Iron	IR-13	(C-31-11)19a	313060	4218684	42	15	72
Black Mtns.	BM-2	CHAP813	Iron	IR-14	(C-31-11)19c	312613	4217562	45	15	78
Black Mtns.	171	AMAX98	Iron	IR-15	(C-31-11)27b	317601	4216516	45	13	39
Black Mtns.	223	AMAX98	Iron	IR-16	(C-31-11)29c	314134	4216128	67	15	44
Black Mtns.	343	AMAX98	Iron	IR-17	(C-31-12)01a	312108	4223403		31	145
Thermo HS	354	AMAX98	Iron	IR-18	(C-31-12)01b	310951	4224185		25	119
Thermo HS	126	AMAX98	Iron	IR-19	(C-31-12)03d	308436	4222789	28	19	204
Thermo HS	355	AMAX98	Iron	IR-20	(C-31-12)04a	306951	4223391	38	15	72
Black Mtns.	183	AMAX98	Iron	IR-21	(C-31-12)15c	307784	4219318	30	15	65
Black Mtns.	221	AMAX98	Iron	IR-22	(C-31-12)16a	306944	4219771	92	19	64
Black Mtns.	280	AMAX98	Iron	IR-23	(C-31-12)25d	311895	4216113	60	15	58
Black Mtns.	115	AMAX98	Iron	IR-24	(C-31-12)29ad	305727	4216558	63	18	90
Black Mtns.	BM-7	CHAP813	Iron	IR-25	(C-31-12)29da	305744	4216557	68	18	84
Black Mtns.	322	AMAX98	Iron	IR-26	(C-31-12)32d	305592	4214229	53		119
Black Mtns.	278	AMAX98	Iron	IR-27	(C-31-12)33d	306886	4214606	63	17	58
Black Mtns.	114	AMAX98	Iron	IR-28	(C-31-12)35d	310103	4214156	45	16	75
Escalante Des.	EV-122	REPU77	Iron	IR-29	(C-31-13)02ddb	300628	4222700	152	21	68
Escalante Des.	E-14	REPU77	Iron	IR-30	(C-31-13)06caa	293009	4222570	146	19	31
Escalante Des.	E-13	REPU77	Iron	IR-31	(C-31-13)10daa	299302	4220796	140	18	71
Escalante Des.	E-15	REPU77	Iron	IR-32	(C-31-13)20dac	296005	4217659	143	23	62
Escalante Des.	E-16	REPU77	Iron	IR-33	(C-31-14)13cdc	292910	4219298	107	17	32
Escalante Des.	E-18	REPU77	Iron	IR-34	(C-31-14)16dda	288077	4219430	152	18	40
Escalante Des.	LUND-1	CHAP813	Iron	IR-35	(C-31-14)32dd	285966	4214854	32	19	132
Escalante Des.	EV-3122	REPU77	Iron	IR-36	(C-31-14)36daa	292743	4215224	95	14	39
Escalante Des.	ED-7	CHAP813	Iron	IR-37	(C-31-16)10db	269619	4222153	100	17	51
Black Mtns.	281	AMAX98	Iron	IR-38	(C-32-12)02c	309431	4212828	89	22	89
Escalante Des.	321	AMAX98	Iron	IR-39	(C-32-12)16d	306813	4209803		16	28
Escalante Des.	LUND-2	CLEM812	Iron	IR-40	(C-32-14)03dd	289321	4213179	93	15	40

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Escalante Des.	EV-3312	REPU77	Iron	IR-41	(C-32-14)03ddd	289459	4212994	96	14	41
Escalante Des.	EVG-02	KLAU823	Iron	IR-42	(C-32-14)10cbd	288262	4211963	30	15	46
Escalante Des.	ED-8	CHAP813	Iron	IR-43	(C-32-15)22cd	278701	4208574	100	20	57
Escalante Des.	EVG-06	KLAU823	Iron	IR-44	(C-32-15)31bbb	273351	4206656	30	15	83
Escalante Des.	ED-6	CHAP813	Iron	IR-45	(C-32-16)28ccc	266779	4207239	100	20	56
Escalante Des.	EVG-03	KLAU823	Iron	IR-46	(C-32-16)28ccc	266774	4207242	165	26	70
Escalante Des.	HV-1	CHAP813	Iron	IR-47	(C-32-19)26ccc	240822	4208022	60	13	49
Escalante Des.	ED-9	CHAP813	Iron	IR-48	(C-33-14)32dd	285704	4195461	100	19	46
Escalante Des.	Table Butte Unit #1	HENR00	Iron	IR-49	(C-33-15)36bb	281246	4196611	5643	208	37
Escalante Des.	Table Butte Unit #1	HENR00	Iron	IR-49	(C-33-15)36bb	281246	4196611	2258	87	39
Escalante Des.	EVG-05	KLAU823	Iron	IR-50	(C-33-16)02bbb	266655	4202186	57	23	138
Beryl	381	AMAX98	Iron	IR-51	(C-33-16)08c	264764	4201966	60	21	77
Beryl	382	AMAX98	Iron	IR-52	(C-33-16)10	267402	4201924	65	34	172
Beryl	415	AMAX98	Iron	IR-53	(C-33-16)11	269023	4202022	33	29	766
Beryl	417	AMAX98	Iron	IR-54	(C-33-16)13	271645	4201393	45	17	101
Beryl	416	AMAX98	Iron	IR-55	(C-33-16)14	268709	4201476	28	17	38
Escalante Des.	EVG-07	KLAU823	Iron	IR-56	(C-33-16)24cca	271729	4199266	50	14	114
Escalante Des.	EVG-04	KLAU823	Iron	IR-57	(C-33-17)02ddc	261817	4203868	60	23	138
Beryl	335	AMAX98	Iron	IR-58	(C-33-17)19ddd	254973	4198176	55	19	102
Beryl	379	AMAX98	Iron	IR-59	(C-33-17)25	262281	4197039	32	16	53
Beryl	380	AMAX98	Iron	IR-60	(C-33-17)26ddd	260935	4196145	24	17	150
Escalante Des.	ED-11	CHAP813	Iron	IR-61	(C-34-12)04aa	306623	4194663	100	19	50
Escalante Des.	EDE-1	CHAP813	Iron	IR-62	(C-34-13)08abd	294903	4195503	76	14	30
Escalante Des.	ED-10	CHAP813	Iron	IR-63	(C-34-14)36cc	290555	4185497	92	18	46
Escalante Des.	EVG-08	KLAU823	Iron	IR-64	(C-34-15)01bac	281540	4195081	65	16	60
Escalante Des.	EDC-1	CHAP813	Iron	IR-65	(C-34-15)16ccc	276070	4190776	30	13	41
Escalante Des.	EDC-2	CHAP813	Iron	IR-66	(C-34-16)0cbb	269747	4194916	59	15	31
Escalante Des.	EVG-09	KLAU823	Iron	IR-67	(C-34-16)17cda	265517	4191419	68	16	63
Escalante Des.	EVG-01	KLAU823	Iron	IR-68	(C-34-16)18cdb	263526	4191507	100	20	78
Escalante Des.	EVG-10	KLAU823	Iron	IR-69	(C-34-16)18cdb	263434	4191326	58	18	114
Escalante Des.	EDC-3	CHAP813	Iron	IR-70	(C-34-16)18cdc	263528	4191128	64	16	68
Escalante Des.	EVG-11	KLAU823	Iron	IR-71	(C-34-16)22abb	268729	4190835	44	11	NA

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Escalante Des.	EDC-4	CHAP813	Iron	IR-72	(C-34-16)22bad	268438	4190621	67	15	66
Escalante Des.	EVG-13	KLAU823	Iron	IR-73	(C-34-16)28bcc	266390	4188588	66	12	NA
Escalante Des.	EVG-14	KLAU823	Iron	IR-74	(C-34-16)31ccd	263312	4186269	60	13	38
Beryl	334	AMAX98	Iron	IR-75	(C-34-17)07	254799	4192628	65	12	NA
Escalante Des.	EVG-12	KLAU823	Iron	IR-76	(C-34-17)24bdb	262094	4190685	85	13	NA
Escalante Des.	EVG-15	KLAU823	Iron	IR-77	(C-35-16)06bbc	263016	4186154	60	12	NA
Escalante Des.	EVG-16	KLAU823	Iron	IR-78	(C-35-17)01bcc	261288	4185680	58	11	10
Escalante Des.	EVG-18	KLAU823	Iron	IR-79	(C-35-17)01ddc	262559	4183884	58	14	33
Escalante Des.	EVG-17	KLAU823	Iron	IR-80	(C-35-17)03ccc	258104	4184817	58	15	20
Escalante Des.	EVG-20	KLAU823	Iron	IR-81	(C-35-17)12acc	262190	4183865	43	11	NA
Escalante Des.	EVG-19	KLAU823	Iron	IR-82	(C-35-17)12bcc	261310	4183920	45	11	NA
Escalante Des.	EVG-22	KLAU823	Iron	IR-83	(C-35-17)16aca	257601	4182702	55	14	73
Escalante Des.	EVG-21	KLAU823	Iron	IR-84	(C-35-17)18abd	254227	4182925	55	15	35
Escalante Des.	ED-2	CHAP813	Iron	IR-85	(C-35-17)21dd	257780	4180188	70	16	51
Escalante Des.	ED-3	CHAP813	Iron	IR-86	(C-35-20)24cc	232228	4180978	102	19	82
Escalante Des.	IRON-1	CHAP813	Iron	IR-87	(C-36-14)27cdb	287171	4168039	80	14	28
Escalante Des.	IRON-2	CHAP813	Iron	IR-88	(C-36-14)34caa	287465	4166766	55	13	24
Newcastle	NC-12	CHAP813	Iron	IR-89	(C-36-15)10ba	277153	4174133	118	18	21
Newcastle	NC-09	BLAC973	Iron	IR-90	(C-36-15)16cb	275264	4171792	91	53	445
Newcastle	NC-27	BLAC906	Iron	IR-91	(C-36-15)17bb	273724	4172441	18	20	100
Newcastle	NC-17	BLAC906	Iron	IR-92	(C-36-15)17cad	274400	4171893	18	31	847
Newcastle	NC-13	BLAC973	Iron	IR-93	(C-36-15)17dac	274880	4171575	121	73	920
Newcastle	NC-16	BLAC906	Iron	IR-94	(C-36-15)17dca	274507	4171552	18	32	931
Newcastle	NC-08	CHAP813	Iron	IR-95	(C-36-15)17dd	275058	4171414	78	88	846
Newcastle	NC-25	BLAC906	Iron	IR-96	(C-36-15)19a	273260	4171168	18	35	800
Newcastle	NC-26	BLAC906	Iron	IR-97	(C-36-15)19a	272724	4171174	18	22	100
Newcastle	NC-11	BLAC973	Iron	IR-98	(C-36-15)19a	273106	4170789	152	90	1173
Newcastle	NC-23	BLAC906	Iron	IR-99	(C-36-15)19d	273278	4169750	15	25	200
Newcastle	NC-21	BLAC906	Iron	IR-100	(C-36-15)20a	274432	4170550	18	50	800
Newcastle	NC-07	BLAC973	Iron	IR-101	(C-36-15)20aa	275166	4170941	91	43	282
Newcastle	NC-15	BLAC973	Iron	IR-102	(C-36-15)20aa	274851	4171148	100	90	925
Newcastle	NC-22	BLAC906	Iron	IR-103	(C-36-15)20b	274147	4170904	18	39	500

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Newcastle	NC-10	CHAP813	Iron	IR-104	(C-36-15)20bb	273726	4170793	152	104	1833
Newcastle	MN-07	UTAH03	Iron	IR-105	(C-36-15)20bca	273877	4170613	152	112	1267
Newcastle	CHR-1	BLAC906	Iron	IR-106	(C-36-15)20bcb	273745	4170643	152	121	NA
Newcastle	MN-06	UTAH03	Iron	IR-107	(C-36-15)20bcb	273745	4170643	152	109	1517
Newcastle	NC-20	BLAC906	Iron	IR-108	(C-36-15)20c	274779	4170525	23	45	800
Newcastle	NC-24	BLAC906	Iron	IR-109	(C-36-15)20c	273739	4170015	18	50	800
Newcastle	NC-05	CHAP813	Iron	IR-110	(C-36-15)20ca	274201	4170104	36	86	1869
Newcastle	NC-19	BLAC906	Iron	IR-111	(C-36-15)20cac	274194	4169990	15	80	4258
Newcastle	NC-18	BLAC906	Iron	IR-112	(C-36-15)20cad	274357	4169980	13	80	4960
Newcastle	NC-06	CHAP813	Iron	IR-113	(C-36-15)20cc	273821	4169750	127	93	381
Newcastle	NC-14	BLAC906	Iron	IR-114	(C-36-15)20dbb	274467	4170284	65	96	6697
Newcastle	NC-04	CHAP813	Iron	IR-115	(C-36-15)29bb	273587	4168839	91	33	199
Newcastle	NC-02	CHAP813	Iron	IR-116	(C-36-15)29dc	274545	4168151	89	23	89
Newcastle	NC-03	CHAP813	Iron	IR-117	(C-36-15)30da	273378	4168541	89	26	116
Escalante Des.	ED-1	CHAP813	Iron	IR-118	(C-37-18)36ccd	251547	4165655	101	19	74
Spor Mt.	SM-5	CHAP786	Juab	JU-1	(C-12-12)19cca	307275	4404075		27	177
Drum Mtns.	T-109	SASS996	Juab	JU-2	(C-13-11)17bd	318928	4395459	152	20	49
Spor Mt.	SM-4	CHAP786	Juab	JU-3	(C-13-12)05dca	309990	4398454	72	20	95
Spor Mt.	SM-1	CHAP786	Juab	JU-4	(C-13-12)06aaa	308873	4399404	88	19	65
Spor Mt.	SM-2	CHAP786	Juab	JU-5	(C-13-12)06aaa	308873	4399437	83	17	63
Spor Mt.	SM-3	CHAP786	Juab	JU-6	(C-13-12)09dbc	311376	4396565	81	21	91
Drum Mtns.	T-104	SASS996	Juab	JU-7	(C-13-12)15cd	312626	4395054	153	34	126
Drum Mtns.	T-103	SASS996	Juab	JU-8	(C-13-12)18ac	308209	4395719	64	28	193
Spor Mt.	Spor-Mt	COST732	Juab	JU-9	(C-13-12)05db	309990	4398454			56
Drum Mtns.	T-096	SASS996	Juab	JU-10	(C-13-13)18cc	297613	4395249	96	26	106
Drum Mtns.	T-097	SASS996	Juab	JU-11	(C-13-14)17ca	299511	4385758	96	31	164
Gunnison Plat.	WXC Howard #2	HENR00	Juab	JU-12	(C-14-01)05ad	435681	4386252	2847	72	25
Gunnison Plat.	WXC Howard #2	HENR00	Juab	JU-12	(C-14-01)05ad	435681	4386252	3275	110	34
Juab Valley	WXC-Howard 1-A	HENR00	Juab	JU-13	(C-14-01)05ba	417485	4386358	3699	119	32
Drum Mtns.	T-108	SASS996	Juab	JU-14	(C-14-11)06dd	317904	4388448	96	17	46
Drum Mtns.	T-111	SASS996	Juab	JU-15	(C-14-11)10dd	322869	4386483	96	21	89
Drum Mtns.	T-094	SASS996	Juab	JU-16	(C-14-11)19ad	317947	4384191	154	50	179

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Drum Mtns.	T-113	SASS996	Juab	JU-17	(C-14-11)21cd	320511	4383575	96	17	53
Drum Mtns.	T-079	SASS996	Juab	JU-18	(C-14-11)31bb	316593	4381446	96	29	175
Drum Mtns.	T-107	SASS996	Juab	JU-19	(C-14-12)01aa	316639	4389405	96	18	46
Drum Mtns.	T-106	SASS996	Juab	JU-20	(C-14-12)14aa	314986	4386112	154	41	153
Drum Mtns.	T-072	SASS996	Juab	JU-21	(C-14-12)19cc	307021	4383679	96	37	128
Drum Mtns.	T-119	SASS996	Juab	JU-22	(C-14-12)21bb	310375	4384928	154	47	171
Drum Mtns.	T-071	SASS996	Juab	JU-23	(C-14-12)23dd	314756	4383711	96	33	246
Drum Mtns.	T-117	SASS996	Juab	JU-24	(C-14-12)26bb	313626	4383183	152	55	195
Drum Mtns.	T-102	SASS996	Juab	JU-25	(C-14-12)27dd	313022	4381902	149	50	226
Drum Mtns.	T-118	SASS996	Juab	JU-26	(C-14-12)29dd	309873	4381979	145	38	140
Drum Mtns.	T-100	SASS996	Juab	JU-27	(C-14-13)11cb	303995	4387495	96	39	108
Drum Mtns.	T-099	SASS996	Juab	JU-28	(C-14-13)15db	303124	4385887	96	29	202
Drum Mtns.	T-098	SASS996	Juab	JU-29	(C-14-13)21ac	301458	4384597	153	43	188
Drum Mtns.	T-085	SASS996	Juab	JU-30	(C-14-13)24aa	306791	4384795	96	17	84
Drum Mtns.	T-086	SASS996	Juab	JU-31	(C-14-13)25cc	305605	4382048	154	45	197
Drum Mtns.	T-073	SASS996	Juab	JU-32	(C-14-13)28ad	301844	4382921	96	30	168
Gunnison Plat.	WXC State#1	HENR00	Juab	JU-33	(C-15-01)36ba	414676	4358085	2726	80	29
Gunnison Plat.	WXC State#1	HENR00	Juab	JU-33	(C-15-01)36ba	414676	4358085	3350	116	35
Juab Valley	WXC-State #2	HENR00	Juab	JU-34	(C-15-02)01cc	411429	4376247	2314	72	31
Gunnison Plat.	Sevier Bridge Unit #1	HENR00	Juab	JU-35	(C-16-01)11dc	423584	4364197	2744	97	35
Gunnison Plat.	WXC Barton #1	HENR00	Juab	JU-36	(C-16-01)32db	418450	4358089	4242	142	33
Gunnison Plat.	WXC Barton #1	HENR00	Juab	JU-36	(C-16-01)32db	418450	4358089	3616	122	34
Gunnison Plat.	WXC Barton #1	HENR00	Juab	JU-36	(C-16-01)32db	418450	4358089	2946	105	36
Juab Valley	Monroe 13-7	HENR00	Juab	JU-37	(C-16-02)13ac	412057	4364130	4789	138	29
Juab Valley	Monroe 13-7	HENR00	Juab	JU-37	(C-16-02)13ac	412057	4364130	3400	103	30
Gunnison Plat.	Chicken Creek Federal #16-34	HENR00	Juab	JU-39	(D-15-01)16cd	430228	4372669	2079	47	23
Gunnison Plat.	Chicken Creek Federal #16-34	HENR00	Juab	JU-39	(D-15-01)16cd	430228	4372669	2454	66	27
Gunnison Plat.	Gunnison State #1	HENR00	Juab	JU-40	(D-16-01)15aa	432197	4363751	3389	76	22
Gunnison Plat.	Gunnison State #1	HENR00	Juab	JU-40	(D-16-01)15aa	432197	4363751	4607	116	25
Drum Mtns.	T-076	SASS996	Juab	JU-41	(C-13-14)34ab	303013	4381559	96	23	104
Drum Mtns.	T-078	SASS996	Juab	JU-42	(C-14-12)33ba	310751	4381587	96	48	211
Drum Mtns.	T-057	SASS996	Juab	JU-43	(C-14-12)34dc	312700	4380429	96	28	150

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Drum Mtns.	T-077	SASS996	Juab	JU-44	(C-14-13)20cd	309079	4383516	153	50	246
Drum Mtns.	T-056	SASS996	Juab	JU-45	(C-14-13)35dc	304537	4380631	95	35	159
Drum Mtns.	T-053	SASS996	Millard	MI-1	(C-15-09)20bc	337669	4374090	96	16	24
Drum Mtns.	T-044	SASS996	Millard	MI-2	(C-15-10)13da	325914	4375493	96	18	46
Drum Mtns.	T-043	SASS996	Millard	MI-3	(C-15-10)18bd	326782	4375844	96	36	252
Drum Mtns.	T-052	SASS996	Millard	MI-4	(C-15-10)22aa	332092	4374764	96	24	71
Drum Mtns.	T-046	SASS996	Millard	MI-5	(C-15-10)31ca	326523	4370667	96	16	26
Little Drum-Keg	UT-18C	TEPL823	Millard	MI-6	(C-15-11)01dd	325272	4378658	80	15	26
Drum Mtns.	T-080	SASS996	Millard	MI-7	(C-15-11)05bd	318697	4379509	96	24	128
Drum Mtns.	T-058	SASS996	Millard	MI-8	(C-15-11)06cc	316699	4378667	96	30	197
Drum Mtns.	T-082	SASS996	Millard	MI-9	(C-15-11)07cc	316746	4377000	96	45	166
Drum Mtns.	T-115	SASS996	Millard	MI-10	(C-15-11)09ba	320382	4378026	153	32	137
Drum Mtns.	T-081	SASS996	Millard	MI-11	(C-15-11)10bb	321385	4378002	154	34	128
Drum Mtns.	T-114	SASS996	Millard	MI-12	(C-15-11)15ab	322349	4376314	96	30	181
Drum Mtns.	T-116	SASS996	Millard	MI-13	(C-15-11)17cc	318024	4375304	153	43	182
Drum Mtns.	T-093	SASS996	Millard	MI-14	(C-15-11)29ac	318976	4373061	153	39	142
Little Drum-Keg	UT-18B	TEPL823	Millard	MI-15	(C-15-11)30bb	317225	4371803	150	70	310
Drum Mtns.	T-062	SASS996	Millard	MI-16	(C-15-11)30bd	317078	4372883	96	34	204
Drum Mtns.	T-059	SASS996	Millard	MI-17	(C-15-12)07db	307900	4377548	96	24	164
Drum Mtns.	T-095	SASS996	Millard	MI-18	(C-15-12)09ad	311352	4378019	96	27	140
Drum Mtns.	T-083	SASS996	Millard	MI-19	(C-15-12)11bb	313506	4378188	154	39	122
Drum Mtns.	T-MX-60A	SASS996	Millard	MI-20	(C-15-12)19ad	308089	4374767	372	30	98
Little Drum-Keg	UT-18A	TEPL823	Millard	MI-21	(C-15-12)19da	308182	4374570	150	26	104
Drum Mtns.	T-084	SASS996	Millard	MI-22	(C-15-12)23bd	313847	4374515	96	31	164
Drum Mtns.	T-092	SASS996	Millard	MI-23	(C-15-12)25bc	314847	4373159	96	38	224
Drum Mtns.	T-061	SASS996	Millard	MI-24	(C-15-12)27ac	312692	4372988	154	28	133
Drum Mtns.	T-060	SASS996	Millard	MI-25	(C-15-12)29ca	309077	4372965	96	19	84
Drum Mtns.	T-101	SASS996	Millard	MI-26	(C-15-13)01ac	306089	4379667	96	37	197
Drum Mtns.	T-074	SASS996	Millard	MI-27	(C-15-13)04dd	301745	4379036	96	18	60
Drum Mtns.	T-075	SASS996	Millard	MI-28	(C-15-13)14cb	303737	4376209	96	17	69
Tule Valley	TV-04	SASS996	Millard	MI-29	(C-15-15)30b	278409	4374116	55	15	29
Tule Valley	TV-05	SASS996	Millard	MI-30	(C-15-15)33cac	281290	4370479	30	13	95

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Drum Mtns.	T-049	SASS996	Millard	MI-31	(C-16-09)19ad	336427	4364159	96	17	16
Drum Mtns.	T-048	SASS996	Millard	MI-32	(C-16-09)31cc	335340	4360296	96	18	38
Drum Mtns.	T-051	SASS996	Millard	MI-33	(C-16-10)01ad	334959	4369373	96	17	26
Drum Mtns.	T-050	SASS996	Millard	MI-34	(C-16-10)10cb	331322	4367045	154	17	22
Drum Mtns.	T-047	SASS996	Millard	MI-35	(C-16-10)31ca	326017	4360870	155	29	97
Drum Mtns.	T-045	SASS996	Millard	MI-36	(C-16-11)04cb	319741	4368971	96	22	86
Drum Mtns.	T-089	SASS996	Millard	MI-37	(C-16-11)07aa	317142	4368292	95	24	102
Drum Mtns.	T-066	SASS996	Millard	MI-38	(C-16-11)23da	323241	4363856	96	20	80
Drum Mtns.	T-087	SASS996	Millard	MI-39	(C-16-12)04ab	310299	4370159	96	17	58
Drum Mtns.	T-063	SASS996	Millard	MI-40	(C-16-12)09cc	309532	4366957	96	16	44
Drum Mtns.	T-088	SASS996	Millard	MI-41	(C-16-12)11cc	312641	4367326	96	16	44
Drum Mtns.	T-064	SASS996	Millard	MI-42	(C-16-12)12ac	314806	4367829	96	26	137
Drum Mtns.	T-091	SASS996	Millard	MI-43	(C-16-12)23ba	312898	4364876	96	16	38
Drum Mtns.	T-065	SASS996	Millard	MI-44	(C-16-12)25cc	314238	4362068	96	18	77
Tule Valley	367/TV-14	AMAX98	Millard	MI-45	(C-16-14)	292966	4365937			31
Tule Valley	TV-14	SASS996	Millard	MI-46	(C-16-14)	293110	4365933	61	16	26
Tule Valley	377/TV-06	AMAX98	Millard	MI-47	(C-16-16)34b	273176	4361858	60	14	5
Tule Valley	TV-06	SASS996	Millard	MI-48	(C-16-16)34b	272737	4361689	61	14	57
Tule Valley	418/TV-07	AMAX98	Millard	MI-49	(C-16-16)36c	276154	4360483	35	14	22
Tule Valley	TV-07	SASS996	Millard	MI-50	(C-16-16)36c	275853	4360117	47	14	22
Confusion Basin	BISHOP SPRINGS UNIT #1	HENR00	Millard	MI-51	(C-16-17)08cb	259930	4367978	4120	100	24
Drum Mtns.	T-MX-67C	SASS996	Millard	MI-52	(C-17-09)19dd	336461	4353462	42	14	75
Drum Mtns.	T-MX-67B	SASS996	Millard	MI-53	(C-17-10)27bc	330150	4352820	58	19	66
Drum Mtns.	T-MX-67A	SASS996	Millard	MI-54	(C-17-10)29dc	327723	4352318	59	18	93
Drum Mtns.	T-067	SASS996	Millard	MI-55	(C-17-11)01cd	323976	4358287	96	22	69
Tule Valley	369/TV-01	AMAX98	Millard	MI-56	(C-17-14)07c	287432	4357945	44	14	117
Tule Valley	TV-01	SASS996	Millard	MI-57	(C-17-14)07c	287722	4357934	46	14	104
Tule Valley	368/TV-02	AMAX98	Millard	MI-58	(C-17-14)08d	289733	4357882	60	20	161
Tule Valley	TV-02	SASS996	Millard	MI-59	(C-17-14)08d	288866	4357717	61	20	164
Tule Valley	TV-03	SASS996	Millard	MI-60	(C-17-14)09b	290461	4358229	49	17	58
Tule Valley	366	AMAX98	Millard	MI-61	(C-17-14)09d	291021	4357659	60	18	55
Tule Valley	370/TV-15	AMAX98	Millard	MI-62	(C-17-15)19d	278705	4354389	60	27	147

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Tule Valley	TV-15	SASS996	Millard	MI-63	(C-17-15)19d	278855	4354477	55	26	228
Tule Valley	371/TV-08	AMAX98	Millard	MI-64	(C-17-15)29a	279680	4353161	60	16	62
Tule Valley	TV-08	SASS996	Millard	MI-65	(C-17-15)29a	280250	4352957	61	16	108
Tule Valley	372/TV-09	AMAX98	Millard	MI-66	(C-17-15)34b	282221	4351424	60	29	270
Tule Valley	TV-09	SASS996	Millard	MI-67	(C-17-15)34b	282652	4351408	61	28	208
Confusion Basin	FEDERAL 1-28	HENR00	Millard	MI-68	(C-17-19)28aa	242568	4354521	2372	93	39
Tule Valley	373/TV-10	AMAX98	Millard	MI-69	(C-18-14)08d	289159	4347157	60	35	319
Tule Valley	TV-11	SASS996	Millard	MI-70	(C18-14)30bad	287189	4343656	58	20	88
Tule Valley	TV-10	SASS996	Millard	MI-71	(C-18-14)8d	288883	4347720	58	34	332
Tule Valley	375	AMAX98	Millard	MI-72	(C-18-15)01d	286327	4349089	45	13	27
Tule Valley	TV-16	SASS996	Millard	MI-73	(C-18-15)20cbb	278583	4344894	46	13	27
Confusion Basin	State AB #1	HENR00	Millard	MI-74	(C-18-16)02cc	273999	4349225	3515	96	27
Gunnison Plat.	WXC USA #1-2	HENR00	Millard	MI-75	(C-19-02)24cb	411282	4333028	5398	138	26
Gunnison Plat.	WXC USA #1-2	HENR00	Millard	MI-75	(C-19-02)24cb	411282	4333028	1563	47	30
Sevier-Blackrock	SB-ST-2	SASS996	Millard	MI-76	(C-19-06)21bbb	367078	4334896	522	48	64
Tule Valley	374/TV-17	AMAX98	Millard	MI-77	(C-19-15)01a	285524	4340591	55	13	12
Tule Valley	TV-12	SASS996	Millard	MI-78	(C-19-15)11bda	283856	4338749	47	11	16
Sevier-Blackrock	Fed #2	HENR00	Millard	MI-79	(C-20-08)28bc	347514	4323095	4018	141	35
Sevier-Blackrock	SB-ST-1	SASS996	Millard	MI-80	(C-20-08)29ddb	346958	4322681	474	56	98
Black Rock Des	112	AMAX98	Millard	MI-81	(C-21-07)24a	362552	4315169	68	13	68
Meadow-Hatton	264	AMAX98	Millard	MI-82	(C-22-05)30c	373277	4302524	90	12	10
Meadow-Hatton	263	AMAX98	Millard	MI-83	(C-22-05)32d	375268	4301138	100	13	25
Meadow-Hatton	259	AMAX98	Millard	MI-84	(C-22-06)01c	371445	4308925	93	15	35
Black Rock Des	255	AMAX98	Millard	MI-85	(C-22-06)05b	362499	4310086	35	13	32
Meadow-Hatton	109B	AMAX98	Millard	MI-86	(C-22-06)11b	370331	4308144		12	211
Meadow-Hatton	265	AMAX98	Millard	MI-87	(C-22-06)11c	369803	4307698	18	14	113
Meadow-Hatton	422	AMAX98	Millard	MI-88	(C-22-06)11c	369833	4307386	96	21	86
Meadow-Hatton	109A	AMAX98	Millard	MI-89	(C-22-06)11d	371097	4307776		18	54
Meadow-Hatton	120	AMAX98	Millard	MI-90	(C-22-06)20b	364713	4305707	42	15	19
Meadow-Hatton	254	AMAX98	Millard	MI-91	(C-22-06)22b	368113	4305661	25	15	50
Meadow-Hatton	424	AMAX98	Millard	MI-92	(C-22-06)23d	370844	4304495	92	18	44
Meadow-Hatton	344	AMAX98	Millard	MI-93	(C-22-06)35d	370712	4300645	25	67	11

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Sevier-Blackrock	Hole in Rock #1	HENR00	Millard	MI-94	(C-22-07)30cd	353907	4302680	3160	99	31
Meadow-Hatton	164	AMAX98	Millard	MI-95	(C-23-06)03cd	368596	4299203		30	29
Meadow-Hatton	258	AMAX98	Millard	MI-96	(C-23-06)08a	365441	4299034	97	17	50
Meadow-Hatton	227	AMAX98	Millard	MI-97	(C-23-06)10ba	368592	4298959	34	27	374
Black Rock Des	282	AMAX98	Millard	MI-98	(C-23-06)21a	367016	4295089	97	14	30
Black Rock Des	260	AMAX98	Millard	MI-99	(C-23-06)27cd	368560	4292832	55	16	35
Black Rock Des	256	AMAX98	Millard	MI-100	(C-23-07)06b	353452	4300612	92	16	42
Black Rock Des	247	AMAX98	Millard	MI-101	(C-23-07)11a	360560	4298453	67	16	42
Black Rock Des	245	AMAX98	Millard	MI-102	(C-23-07)21ab	355346	4295427	65	16	38
Black Rock Des	248	AMAX98	Millard	MI-103	(C-23-07)24b	361875	4295177	67	19	43
Black Rock Des	372	AMAX98	Millard	MI-104	(C-23-07)30b	352927	4294272			28
Black Rock Des	243	AMAX98	Millard	MI-105	(C-23-07)33d	353448	4289056	61	17	50
Twin Peaks	266	AMAX98	Millard	MI-106	(C-23-08)15d	349032	4296910	97	16	26
Twin Peaks	201	AMAX98	Millard	MI-107	(C-23-08)22cd	348715	4295317	76	32	290
Twin Peaks	277	AMAX98	Millard	MI-108	(C-23-08)26b	350789	4293812	69	16	39
Twin Peaks	185	AMAX98	Millard	MI-109	(C-23-08)28b	346596	4294470	32	19	151
Black Rock Des	244	AMAX98	Millard	MI-110	(C-23-08)32b	357371	4291627	62	18	60
Twin Peaks	159	AMAX98	Millard	MI-111	(C-23-08)33dc	346761	4291769	90	22	108
Twin Peaks	297	AMAX98	Millard	MI-112	(C-23-08)34bb	348053	4292965	97	30	150
Twin Peaks	295	AMAX98	Millard	MI-113	(C-23-08)35b	350160	4292259	95	17	45
Twin Peaks	202	AMAX98	Millard	MI-114	(C-23-08)36bb	351366	4293058	95	17	31
Twin Peaks	TP7	CARR812	Millard	MI-115	(C-23-09)	339005	4292066	90	19	50
Confusion Basin	Antelope Valley State 36-22	HENR00	Millard	MI-116	(C-23-18)36bd	255474	4295120	2928	51	17
Black Rock Des	238	AMAX98	Millard	MI-117	(C-24-06)05a	365881	4290147	98	19	55
Black Rock Des	359	AMAX98	Millard	MI-118	(C-24-06)09b	366562	4288725	89	30	150
Black Rock Des	357	AMAX98	Millard	MI-119	(C-24-06)15b	367706	4286952	84	22	125
Black Rock Des	237	AMAX98	Millard	MI-120	(C-24-06)17c	364973	4286299	78	19	62
Black Rock Des	253	AMAX98	Millard	MI-121	(C-24-06)19cb	362829	4285004	75	39	294
Black Rock Des	360	AMAX98	Millard	MI-122	(C-24-06)30b	363266	4284108	93	38	250
Black Rock Des	386	AMAX98	Millard	MI-123	(C-24-06)31caa	363329	4282146	58	34	412
Black Rock Des	257	AMAX98	Millard	MI-124	(C-24-06)31cc	362626	4281799	65	34	277
Black Rock Des	107	AMAX98	Millard	MI-125	(C-24-06)31d	363861	4281256	110	51	488

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Black Rock Des	235	AMAX98	Millard	MI-126	(C-24-07)01ab	362275	4290219			41
Black Rock Des	127	AMAX98	Millard	MI-127	(C-24-07)05b	355000	4290737		25	139
Black Rock Des	242	AMAX98	Millard	MI-128	(C-24-07)07b	354888	4292227	67	18	62
Black Rock Des	239	AMAX98	Millard	MI-129	(C-24-07)10b	358429	4289010	65	18	83
Black Rock Des	292	AMAX98	Millard	MI-130	(C-24-07)21bb	356489	4286070	95	20	73
Black Rock Des	234	AMAX98	Millard	MI-131	(C-24-07)22b	358665	4285687	60	17	74
Black Rock Des	236	AMAX98	Millard	MI-132	(C-24-07)24bd	361846	4285509	92	53	407
Black Rock Des	204	AMAX98	Millard	MI-133	(C-24-07)29ca	355079	4283642	99	29	174
Cove Creek	296	AMAX98	Millard	MI-134	(C-24-07)31cc	353243	4281733	65	26	218
Black Rock Des	275	AMAX98	Millard	MI-135	(C-24-07)34ab	358739	4282977	75	35	243
Black Rock Des	361	AMAX98	Millard	MI-136	(C-24-07)35b	359833	4282347	100	33	302
Black Rock Des	262	AMAX98	Millard	MI-137	(C-24-07)36ab	362140	4282928	49	29	300
Black Rock Des	110	AMAX98	Millard	MI-138	(C-24-07)36c	361658	4281727		40	290
Twin Peaks	TP3	CARR812	Millard	MI-139	(C-24-08)	343102	4289131	152	21	45
Twin Peaks	TP4	CARR812	Millard	MI-140	(C-24-08)	343714	4287532	58	19	87
Twin Peaks	TP6	CARR812	Millard	MI-141	(C-24-08)	347538	4289234	151	19	43
Twin Peaks	TP8	CARR812	Millard	MI-142	(C-24-08)	346121	4285653	130	21	56
Twin Peaks	184	AMAX98	Millard	MI-143	(C-24-08)02ad	350739	4290661	114	20	56
Twin Peaks	298	AMAX98	Millard	MI-144	(C-24-08)03c	348273	4290374	65	17	50
Twin Peaks	439	AMAX98	Millard	MI-145	(C-24-08)05b	344777	4291208	62	16	32
Twin Peaks	203	AMAX98	Millard	MI-146	(C-24-08)08cd	345706	4288436	98	19	46
Twin Peaks	182	AMAX98	Millard	MI-147	(C-24-08)09ab	347789	4289162	149	20	39
Black Rock Des	178	AMAX98	Millard	MI-148	(C-24-08)13d	352654	4286573	53	19	102
Twin Peaks	241	AMAX98	Millard	MI-149	(C-24-08)15c	348779	4287278	65	16	68
Twin Peaks	180	AMAX98	Millard	MI-150	(C-24-08)20dd	346335	4285460	130	21	50
Black Rock Des	293	AMAX98	Millard	MI-151	(C-24-08)25d	352950	4283770	60	18	105
Black Rock Des	294	AMAX98	Millard	MI-152	(C-24-08)26d	351176	4284769	63	17	77
Black Rock Des	166	AMAX98	Millard	MI-153	(C-24-08)27d	349120	4284152		20	155
Twin Peaks	TP1	CARR812	Millard	MI-154	(C-24-09)	336344	4290755	49	18	53
Twin Peaks	181	AMAX98	Millard	MI-155	(C-24-09)12cc	341902	4288700	150	21	23
Cove Creek	179	AMAX98	Millard	MI-156	(C-24-09)24cd	342361	4285105	50	13	12
Cove Creek	124	AMAX98	Millard	MI-157	(C-24-09)26d	340769	4283782	75	18	62

REGION_LOC	HOLE_NAME	PUB_REF	COUNTY	MAPNO	TRS	UTM_E (m)	UTM_N (m)	DEPTH (m)	BHT (°C)	UCGRAD (°C/km)
Confusion Basin	Ensign Oil and Gas #1-16	HENR00	Millard	MI-158	(C-24-19)16cb	240626	4289546	3700	82	22
Black Rock Des	387	AMAX98	Millard	MI-159	(C-25-06)04ba	366376	4281010	435	91	187
Cove Fort	261	AMAX98	Millard	MI-160	(C-25-06)06da	364164	4280185	63	36	290
Cove Fort	272	AMAX98	Millard	MI-161	(C-25-06)07d	363977	4278368	65	23	180
Cove Fort	207	AMAX98	Millard	MI-162	(C-25-06)18da	363991	4277147	80	34	250
Cove Fort	208	AMAX98	Millard	MI-163	(C-25-06)19bc	362700	4276037	98	41	290
Cove Fort	270	AMAX98	Millard	MI-164	(C-25-06)19dd	363911	4275006	64	32	320
Cove Fort	111	AMAX98	Millard	MI-165	(C-25-06)21bc	365872	4275605	26	25	445
Cove Fort	66-28	HUTT92	Millard	MI-166	(C-25-06)28	366838	4273480		157	293
Cove Fort	FORMINCO	GLEN822	Millard	MI-167	(C-25-06)29aa	365541	4274612	320		NA
Cove Fort	14-29	GLEN822	Millard	MI-168	(C-25-06)29bc	364148	4274114	799	85	NA
Cove Fort	267	AMAX98	Millard	MI-169	(C-25-06)29da	365360	4273682	55	29	192
Cove Fort	34-30	HUTT92	Millard	MI-170	(C-25-06)30	363549	4273713	758	102	122
Cove Fort	273	AMAX98	Millard	MI-171	(C-25-06)30cc	362921	4273657	65	32	270
Cove Fort	210	AMAX98	Millard	MI-172	(C-25-06)32bb	363889	4273219	98	41	297
Cove Fort	31-33	GLEN822	Millard	MI-173	(C-25-06)33ba	366039	4273105	1591	140	NA
Cove Fort	156	AMAX98	Millard	MI-174	(C-25-07)02cc	359694	4279863	550	91	188
Cove Creek	364	AMAX98	Millard	MI-175	(C-25-07)07a	354464	4279946	47	30	334
Cove Fort	370	AMAX98	Millard	MI-176	(C-25-07)10b	357992	4279160	115	51	300
Cove Fort	358	AMAX98	Millard	MI-177	(C-25-07)12b	361005	4279685	94	24	140
Cove Fort	206	AMAX98	Millard	MI-178	(C-25-07)12bc	361521	4278832	98	41	185
Cove Fort	423	AMAX98	Millard	MI-179	(C-25-07)13b	361036	4277475	65	18	90
Cove Creek	328	AMAX98	Millard	MI-180	(C-25-07)16b	356422	4278001	250	88	176
Cove Creek	371	AMAX98	Millard	MI-181	(C-25-07)17b	355011	4277949	122	40	200
Cove Creek	356	AMAX98	Millard	MI-182	(C-25-07)19b	353082	4276308	92	18	82
Cove Creek	143	AMAX98	Millard	MI-183	(C-25-07)20b	355118	4276692	122	45	271
Cove Fort	187	AMAX98	Millard	MI-184	(C-25-07)22dc	358889	4275215	144	28	257
Cove Fort	209	AMAX98	Millard	MI-185	(C-25-07)24cc	361122	4274920	98	23	200
Cove Fort	158	AMAX98	Millard	MI-186	(C-25-07)26a	360703	4274339	120	20	55
Cove Creek	362	AMAX98	Millard	MI-187	(C-25-07)29a	355655	4274562	90	78	1818
Cove Creek	230	AMAX98	Millard	MI-188	(C-25-07)29bd	355286	4274402	60	24	220
Cove Fort	176	AMAX98	Millard	MI-189	(C-25-07)35c	359444	4272086	38	16	95

REGION_LOC	HOLE_NAME	PUB_REF	COUNTY	MAPNO	TRS	UTM_E (m)	UTM_N (m)	DEPTH (m)	BHT (°C)	UCGRAD (°C/km)
Cove Creek	167	AMAX98	Millard	MI-190	(C-25-08)01cc	351521	4280399	124	43	230
Cove Creek	175	AMAX98	Millard	MI-191	(C-25-08)07c	343050	4278541	62	18	44
Cove Creek	168	AMAX98	Millard	MI-192	(C-25-08)12dd	352567	4279070	134	49	277
Cove Creek	233	AMAX98	Millard	MI-193	(C-25-08)13b	351930	4278027	60	23	150
Cove Creek	369	AMAX98	Millard	MI-194	(C-25-08)14c	350358	4277324	104	29	215
Milford Valley	18	AMAX98	Millard	MI-195	(C-25-08)18a	334678	4278754	120	19	57
Cove Creek	142	AMAX98	Millard	MI-196	(C-25-08)21a	347345	4276881	65	20	100
Cove Creek	363	AMAX98	Millard	MI-197	(C-25-08)22c	347953	4275427	98	20	54
Cove Creek	365	AMAX98	Millard	MI-198	(C-25-08)23c	350176	4275518	100	21	72
Cove Creek	231	AMAX98	Millard	MI-199	(C-25-08)24cd	351991	4275662	65	20	116
Cove Creek	232	AMAX98	Millard	MI-200	(C-25-08)27da	349538	4274009	60	23	84
Cove Creek	366	AMAX98	Millard	MI-201	(C-25-08)35c	350123	4272655	80	16	36
Milford Valley	19	AMAX98	Millard	MI-202	(C-25-10)26c	330955	4274813	150	22	75
Cove Fort	47-6	HUTT92	Millard	MI-203	(C-26-06)06	363522	4270572		158	388
Cove Fort	271	AMAX98	Millard	MI-204	(C-26-07)01ad	362210	4270806	95	39	275
Cove Fort	22-2	AMAX98	Millard	MI-205	(C-26-07)02bb	359874	4271279	1220	96	152
Cove Fort	157	AMAX98	Millard	MI-206	(C-26-07)06b	352971	4271692	42	13	34
Cove Creek	151	AMAX98	Millard	MI-207	(C-26-08)04b	346461	4272103	80	17	63
Milford Valley	123	AMAX98	Millard	MI-208	(C-26-09)05b	334806	4272335	148	22	35
Roosevelt HS	197	AMAX98	Millard	MI-209	(C-26-09)05c	335295	4271514	67	19	60
Roosevelt HS	UU76TG2	SILL772	Millard	MI-210	(C-26-09)05cdb	335074	4270964	68	19	54
Milford Valley	21	AMAX98	Millard	MI-211	(C-26-10)04b	327198	4271918	97	16	37
Tule Valley	TV-17	SASS996	Millard	MI-212	(C-19-15)01a	285685	4341328	61	13	4
Wasatch Back	Gulf - Amoco No.1 East Canyon	HENR00	Morgan	MO-1	(A-02-03)27db	449945	4524340	2758	71	26
Wasatch Back	Amoco - Marathon W 1 Unit #1	HENR00	Morgan	MO-2	(A-05-06)07bb	472961	4559165	2637	54	21
Wasatch Back	Amoco - Marathon W 1 Unit #1	HENR00	Morgan	MO-2	(A-05-06)07bb	472961	4559165	3410	96	28
Wasatch Back	Champlin 432 Amoco C #1	HENR00	Morgan	MO-3	(A-06-05)01dd	472698	4569435	4228	91	22
Wasatch Back	Champlin 432 Amoco C #1	HENR00	Morgan	MO-3	(A-06-05)01dd	472698	4569435	2817	67	24
Wasatch Back	Deseret Working Interest Unit #1	HENR00	Morgan	MO-4	(A-06-05)02cb	469843	4569835	4215	93	22
Wasatch Back	Deseret Working Interest Unit #1	HENR00	Morgan	MO-4	(A-06-05)02cb	469843	4569835	5318	124	23
Wasatch Back	Champlin 473 Amoco B#1	HENR00	Morgan	MO-5	(A-07-05)25ca	471832	4572880	4285	105	25
Wasatch Back	Champlin 473 Amoco B#1	HENR00	Morgan	MO-5	(A-07-05)25ca	471832	4572880	4546	113	25

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Wasatch Back	Champlin 473 Amoco B#1	HENR00	Morgan	MO-5	(A-07-05)25ca	471832	4572880	2966	75	25
High Plateaus	Antimony Canyon #1	HENR00	Piute	PI-1	(C-30-02)30ad	408537	4224764	2416	88	37
High Plateaus	Rocky Ford Unit #1	HENR00	Piute	PI-2	(C-30-03)27cd	395756	4224963	2848	67	23
Bear River	Champlin 388 B #1	HENR00	Rich	RI-1	(A-06-07)35bd	489663	4561953	2611	53	20
Bear River	1-10 Thousand Dollar	HENR00	Rich	RI-2	(A-09-05)10cc	469613	4596713	1410	52	37
Bear River	Chournos #19-1	HENR00	Rich	RI-3	(A-09-06)19aa	474594	4594318	2810	66	24
Bear River	Chournos #19-1	HENR00	Rich	RI-3	(A-09-06)19aa	474594	4594318	1616	47	29
Bear River	Putnam #23-1	HENR00	Rich	RI-4	(A-09-06)23bd	480219	4594245	3795	88	23
Bear River	Putnam #23-1	HENR00	Rich	RI-4	(A-09-06)23bd	480219	4594245	4323	101	23
Bear River	Sugarloaf 11-6	HENR00	Rich	RI-5	(A-10-06)11ac	480355	4607123	4275	86	20
Bear River	Sugarloaf 11-6	HENR00	Rich	RI-5	(A-10-06)11ac	480355	4607123	4634	100	22
Bear River	Sugarloaf 11-6	HENR00	Rich	RI-5	(A-10-06)11ac	480355	4607123	2662	63	24
Crawford Mtns.	Mud Springs 1-8	HENR00	Rich	RI-6	(A-10-08)08dd	495559	4606620	2735	71	26
Crawford Mtns.	Bridger Cr. Unit Fed. 2-20	HENR00	Rich	RI-7	(A-10-08)20da	495649	4603778	2377	60	25
Bear River	Otter Creek 1-21	HENR00	Rich	RI-8	(A-12-06)21ab	477632	4623718	3140	58	19
Bear Lake	South Eden Canyon #1-15	HENR00	Rich	RI-9	(A-13-06)15bd	478423	4634984	3659	71	19
Bear Lake	South Eden Canyon #1-15	HENR00	Rich	RI-9	(A-13-06)15bd	478423	4634984	3250	66	20
Bear Lake	South Eden Canyon #1-15	HENR00	Rich	RI-9	(A-13-06)15bd	478423	4634984	4800	111	23
Bear River	Hogback Ridge #20-1	HENR00	Rich	RI-10	(A-13-07)20da	485971	4632878	2985	82	28
Bear River	Sohio Red Knoll 33-B	HENR00	Rich	RI-11	(A-13-07)33bd	486688	4630168	3741	88	24
Bear River	Sohio Red Knoll 33-B	HENR00	Rich	RI-11	(A-13-07)33bd	486688	4630168	2322	58	25
Bear Lake	Eden State 2-41	HENR00	Rich	RI-12	(A-14-06)02aa	481279	4648077	4759	115	24
Bear Lake	Eden State 2-41	HENR00	Rich	RI-12	(A-14-06)02aa	481279	4648077	4950	120	24
Bear River	S. Rabbit Cr. Nebeker No.14-44	HENR00	Rich	RI-13	(A-14-07)14dd	490849	4643917	2995	64	21
Bear River	S. Rabbit Cr. Nebeker No.14-44	HENR00	Rich	RI-13	(A-14-07)14dd	490849	4643917	2440	57	23
Bear River	S. Rabbit Cr. Nebeker No.14-44	HENR00	Rich	RI-13	(A-14-07)14dd	490849	4643917	3707	92	25
Wasatch Front	JVG-27	KLAU842	Salt Lake	SL-1	(A-01-01)31cca	425175	4514291	89	14	-38
Wasatch Front	Gillmore Fee #1	HENR00	Salt Lake	SL-2	(B-01-01)16dc	419428	4518226	1173	63	54
Wasatch Front	Saltair #1	HENR00	Salt Lake	SL-3	(B-01-02)29cb	407301	4515049	995	67	67
Crystal Hot Spr	SF-1	BLAI812	Salt Lake	SL-4	(B-04-01)12bbc	423064	4482307	154	60	NA
Crystal Hot Spr	USP/TH-1	BLAI812	Salt Lake	SL-5	(B-04-01)12bbd	423132	4482307	306	60	NA
Wasatch Front	JVG-15	KLAU842	Salt Lake	SL-6	(C-01-01)34dda	421565	4504892	57	13	24

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Wasatch Front	JVG-24	KLAU842	Salt Lake	SL-7	(C-02-01)05ccd	417757	4502891	219	24	56
Wasatch Front	JVG-12	KLAU842	Salt Lake	SL-8	(C-02-01)05dac	409385	4503299	91	18	34
Wasatch Front	JVG-14	KLAU842	Salt Lake	SL-9	(C-02-01)09ccc	418332	4501408	139	17	16
Wasatch Front	JVG-23	KLAU842	Salt Lake	SL-10	(C-02-01)23cab	421928	4497639	65	15	25
Wasatch Front	JVG-10	KLAU842	Salt Lake	SL-11	(C-02-02)08acd	408133	4501127	79	13	18
Wasatch Front	JVG-13	KLAU842	Salt Lake	SL-12	(C-02-02)09bca	408821	4501452	49	13	18
Wasatch Front	JVG-20	KLAU842	Salt Lake	SL-13	(C-02-02)22ddd	411666	4497509	179	17	40
Wasatch Front	JVG-22	KLAU842	Salt Lake	SL-14	(C-03-01)06cdd	415411	4492059	231	20	65
Wasatch Front	JVG-06	KLAU842	Salt Lake	SL-15	(C-03-01)11cad	422153	4491653	45	15	47
Wasatch Front	JVG-21	KLAU842	Salt Lake	SL-16	(C-03-01)21daa	419647	4488274	68	13	27
Wasatch Front	JVG-09	KLAU842	Salt Lake	SL-17	(C-03-02)33cad	409041	4484796	128	18	64
Crystal Hot Spr	CGH-C	MURP79	Salt Lake	SL-18	(C-04-01)11add	422843	4482293	85	77	325
Crystal Hot Spr	CGH-B	MURP79	Salt Lake	SL-19	(C-04-01)12bac	423345	4482450	73	36	98
Crystal Hot Spr	CGH-A	MURP79	Salt Lake	SL-20	(C-04-01)12bbd	423162	4482318	67	68	254
Crystal Hot Spr	CGH-E	MURP79	Salt Lake	SL-21	(C-04-01)12bcc	422987	4482139	61	86	4300
Crystal Hot Spr	CGH-D	MURP79	Salt Lake	SL-22	(C-04-01)12bcd	423153	4481917	72	55	1705
Wasatch Front	JVG-07	KLAU842	Salt Lake	SL-23	(C-04-01)27abb	420584	4476960	95	15	33
Wasatch Front	JVG-25	KLAU842	Salt Lake	SL-24	(C-04-02)03cbc	410051	4482841	160	20	52
Wasatch Front	JVG-11	KLAU842	Salt Lake	SL-25	(C-04-02)09bad	409115	4481132	159	20	46
Wasatch Front	JVG-08	KLAU842	Salt Lake	SL-26	(C-04-02)09caa	409202	4482674	57	16	58
Wasatch Front	JVG-29	KLAU842	Salt Lake	SL-27	(D-01-01)26ddc	432407	4504930	99	18	80
Wasatch Front	JVG-28	KLAU842	Salt Lake	SL-28	(D-01-01)35dcc	432078	4504966	159	17	50
Wasatch Front	JVG-30	KLAU842	Salt Lake	SL-29	(D-02-01)02bbb	431906	4501859	95	11	NA
Wasatch Front	JVG-01	KLAU842	Salt Lake	SL-30	(D-02-01)07dab	426057	4501171	83	13	13
Wasatch Front	JVG-16	KLAU842	Salt Lake	SL-31	(D-02-01)32dbd	427370	4493632	145	11	NA
Wasatch Front	JVG-18	KLAU842	Salt Lake	SL-32	(D-02-01)33dca	428970	4493650	217	11	NA
Wasatch Front	JVG-02	KLAU842	Salt Lake	SL-33	(D-02-01)34	430443	4495512	277	12	26
Wasatch Front	JVG-26	KLAU842	Salt Lake	SL-34	(D-02-01)34acb	430302	4494913	169	10	NA
Wasatch Front	JVG-03	KLAU842	Salt Lake	SL-35	(D-03-01)07caa	426125	4491801	65	14	23
Wasatch Front	JVG-19	KLAU842	Salt Lake	SL-36	(D-03-01)18cba	425312	4490111	99	22	102
Wasatch Front	JVG-17	KLAU842	Salt Lake	SL-37	(D-03-01)20bcd	426513	4488190	159	19	47
Wasatch Front	JVG-04	KLAU842	Salt Lake	SL-38	(D-03-01)21caa	428510	4488037	218	13	4

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Wasatch Front	JVG-05	KLAU842	Salt Lake	SL-39	(D-03-01)29bdb	427646	4486291	43	20	103
Canyonlands	HATCH POINT 27-1A	HENR00	San Juan	SJ-1	(D-27-21)27ca	622259	4253294	2448	59	24
Canyonlands	LION MESA #2-34	HENR00	San Juan	SJ-2	(D-27-21)34ca	611192	4251679	2568	59	23
La Sal Mtns.	Dixie Unit #2	HENR00	San Juan	SJ-3	(D-27-24)15bb	651340	4257918	4682	84	18
La Sal Mtns.	Dixie Unit #2	HENR00	San Juan	SJ-3	(D-27-24)15bb	651340	4257918	1041	37	36
Lisbon Prong	Lisbon C-910	HENR00	San Juan	SJ-4	(D-30-24)10dc	651481	4227538	2710	70	26
Lisbon Prong	Lisbon No. B-614A	HENR00	San Juan	SJ-5	(D-30-24)14ba	652661	4227260	2772	63	23
Lisbon Prong	Lisbon D-715	HENR00	San Juan	SJ-6	(D-30-24)15ad	651814	4226623	2560	70	27
Lisbon Prong	Calvert USA #1 (Lisbon E-718)	HENR00	San Juan	SJ-7	(D-30-25)18bc	655323	4226878	2825	68	24
Blanding Basin	NIELSON "A" #1	HENR00	San Juan	SJ-8	(D-37-22)25bb	636517	4156107	2438	71	29
Blanding Basin	FEDERAL 34-32	HENR00	San Juan	SJ-9	(D-37-23)34ad	643567	4154228	2644	90	34
Wasatch Back	Mount Baldy Unit 1	HENR00	Sanpete	SA-1	(D-12-03)24aa	454543	4401611	4636	130	28
Gunnison Plat.	Chris's Canyon Unit #1	HENR00	Sanpete	SA-2	(D-16-01)33ca	429968	4358121	3352	60	18
Gunnison Plat.	Chris's Canyon Unit #1	HENR00	Sanpete	SA-2	(D-16-01)33ca	429968	4358121	5094	120	24
Wasatch Plateau	United State "E" No.1	HENR00	Sanpete	SA-3	(D-19-03)27ab	451580	4331388	3731	76	20
Wasatch Plateau	United State "E" No.1	HENR00	Sanpete	SA-3	(D-19-03)27ab	451580	4331388	5678	126	22
Wasatch Plateau	United State "E" No.1	HENR00	Sanpete	SA-3	(D-19-03)27ab	451580	4331388	5103	120	24
High Plateaus	Sigurd Unit #1	HENR00	Sevier	SE-1	(C-22-01)14cb	423289	4304778	2765	97	35
High Plateaus	Salina Unit #1	HENR00	Sevier	SE-1	(C-22-01)33aa	421187	4300138	5300	162	31
High Plateaus	Salina Unit #1	HENR00	Sevier	SE-1	(C-22-01)33aa	421187	4300138	2829	96	34
Tushar Mtns.	Paxton #1	HENR00	Sevier	SE-2	(C-24-04)28bc	390980	4282216	3079	79	26
Tushar Mtns.	Paxton #1	HENR00	Sevier	SE-2	(C-24-04)28bc	390980	4282216	4394	113	26
Tushar Mtns.	Paxton #1	HENR00	Sevier	SE-2	(C-24-04)28bc	390980	4282216	3995	111	28
Monroe-Red Hill	RH1	MASE783	Sevier	SE-10	(C-25-03)	404257	4276551		52	591
Monroe-Red Hill	RH2	MASE783	Sevier	SE-11	(C-25-03)	404114	4277008	65	72	NA
Monroe-Red Hill	RH3	MASE783	Sevier	SE-12	(C-25-03)	403829	4277200	48	57	778
Monroe-Red Hill	RH4	MASE783	Sevier	SE-13	(C-25-03)	404110	4276642	90	72	100
Monroe-Red Hill	RH5	MASE783	Sevier	SE-14	(C-25-03)	403968	4276455	46	49	628
Monroe-Red Hill	M2	MASE783	Sevier	SE-3	(C-25-03)	403809	4275536	61	37	336
Monroe-Red Hill	M3	MASE783	Sevier	SE-4	(C-25-03)	403740	4275537	72	62	725
Monroe-Red Hill	M4	MASE783	Sevier	SE-5	(C-25-03)	403661	4275537	40	52	615
Monroe-Red Hill	M5	MASE783	Sevier	SE-6	(C-25-03)	403664	4275726	38	57	739

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Monroe-Red Hill	M6	MASE783	Sevier	SE-7	(C-25-03)	403946	4274613	75	32	238
Monroe-Red Hill	MC1	MASE783	Sevier	SE-8	(C-25-03)	404249	4275897	110	72	130
Monroe-Red Hill	MC2	MASE783	Sevier	SE-9	(C-25-03)	404249	4275897	275	74	30
Wasatch Plateau	Wasatch Plateau #1-25	HENR00	Sevier	SE-15	(D-21-01)25ba	435093	4312075	1116	62	55
Wasatch Plateau	United States D #1	HENR00	Sevier	SE-16	(D-22-03)20bd	447940	4303634	2992	83	28
High Plateaus	Maple Springs #1	HENR00	Sevier	SE-17	(D-23-02)03dd	442279	4298114	2904	84	29
High Plateaus	Maple Springs #1	HENR00	Sevier	SE-17	(D-23-02)03dd	442279	4298114	1215	37	31
Wasatch Plateau	#1 Johnson Livestock etal	HENR00	Sevier	SE-18	(D-23-03)28cb	449159	4292163	3370	94	28
High Plateaus	Paradise Lake 5-1A	HENR00	Sevier	SE-19	(D-25-04)05cd	456521	4278737	1229	48	39
High Plateaus	South Mountain Terrill 1A-1	HENR00	Sevier	SE-20	(D-26-03)01bd	453600	4270054	3348	75	22
High Plateaus	South Mountain Terrill 1A-1	HENR00	Sevier	SE-20	(D-26-03)01bd	453600	4270054	1786	47	26
High Plateaus	South Mountain Terrill 1A-1	HENR00	Sevier	SE-20	(D-26-03)01bd	453600	4270054	2480	67	27
Bear River	Champlin 435 Amoco A-1	HENR00	Summit	SU-1	(A-02-09)01da	511062	4531338	1703	53	31
Wasatch Plateau	UPRR 33-1	HENR00	Summit	SU-2	(A-03-07)33dd	487104	4532340	2210	61	28
Wasatch Plateau	Champlin 475 Amoco "A" #1	HENR00	Summit	SU-3	(A-04-05)17cc	465144	4546787	1286	39	30
Great Salt Lake	State of Utah H #1	HENR00	Tooele	TO-1	(B-GSL)	374777	4540168	1519	71	47
Great Salt Lake	Federal #1	HENR00	Tooele	TO-2	(C-01-17)34ba	266509	4509006	1301	73	56
Uinta Extension	Six Mile Ranch #1	HENR00	Tooele	TO-3	(C-02-0419ba	386162	4498744	1570	49	31
Uinta Extension	Sabie Creek Unit 14-12	HENR00	Tooele	TO-4	(C-07-04)14cb	392170	4451114	1233	45	37
Uinta Extension	Rush Valley Unit 17-10	HENR00	Tooele	TO-5	(C-07-04)17db	388297	4451148	1392	49	35
Uinta Extension	Faust Unit 19-3	HENR00	Tooele	TO-6	(C-07-04)19ba	386157	4450381	986	46	46
Great Salt Lake	State of Utah N #1	HENR00	Tooele	TO-7	(C-GSL)	389852	4511990	1509	58	38
Great Salt Lake	State of Utah N #1	HENR00	Tooele	TO-7	(C-GSL)	389852	4511990	1830	72	39
Great Salt Lake	State of Utah N #1	HENR00	Tooele	TO-7	(C-GSL)	389852	4511990	2000	111	56
Eureka	ET-5	ROY 684	Utah	UT-1	(C-10-02)15dcd	410304	4422526			84
Wasatch Front	Banks #1	HENR00	Utah	UT-2	(D-08-02)13cb	443034	4440958	3961	122	31
Fifthwater	DH101	POWE902	Utah	UT-3	(D-08-06)19	473362	4438449	586		40
Fifthwater	DH103	POWE902	Utah	UT-4	(D-08-06)19	473635	4438470	619		43
Wasatch Back	Cottonwood Canyon #1	HENR00	Utah	UT-5	(D-09-06)07bc	474428	4433462	3959	102	26
Wasatch Back	Cottonwood Canyon #1	HENR00	Utah	UT-5	(D-09-06)07bc	474428	4433462	4568	128	28
Wasatch Back	Cottonwood Canyon #1	HENR00	Utah	UT-5	(D-09-06)07bc	474428	4433462	2708	90	33
Wasatch Back	Fed #1-G24	HENR00	Utah	UT-6	(D-11-04)24ac	463778	4410841	2243	58	26

REGION_LOC	HOLE_NAME	PUB_REF	COUNTY	MAPNO	TRS	UTM_E (m)	UTM_N (m)	DEPTH (m)	BHT (°C)	UCGRAD (°C/km)
Wasatch Plateau	Indianola Unit #1	HENR00	Utah	UT-7	(D-11-05)27dc	469433	4408574	3950	88	22
Wasatch Plateau	Indianola Unit #1	HENR00	Utah	UT-7	(D-11-05)27dc	469433	4408574	5190	126	24
Midway	GW-2	KOHL792	Wasatch	WS-1	(D-03-04)26bbc	460126	4486846	80	38	70
Midway	GW-1	KOHL792	Wasatch	WS-2	(D-03-04)27bdd	459218	4486518	65	24	NA
Midway	GW-3	KOHL792	Wasatch	WS-3	(D-03-04)35bba	460458	4485513	77	43	NA
Midway	GW-4	KOHL792	Wasatch	WS-4	(D-04-04)	460624	4485001	52	12	26
Wasatch Back	West Daniels Land #1	HENR00	Wasatch	WS-5	(D-05-05)11bb	469808	4472393	5264	109	21
Wasatch Back	Current Creek Federal 1-26	HENR00	Wasatch	WS-6	U(C-01-11)26db	492307	4467608	2190	53	24
Uinta Basin	M.A. Smith Oil Investment	HENR00	Wasatch	WS-7	U(C-03-09)16cb	507488	4451547	3081	71	23
Wasatch Back	Exxon Strawberry #1	HENR00	Wasatch	WS-8	U(C-04-11)30ca	485484	4438482	5542	133	24
Wasatch Back	Exxon Strawberry #1	HENR00	Wasatch	WS-8	U(C-04-11)30ca	485484	4438482	3608	100	28
Wasatch Back	Strawberry River #2	HENR00	Wasatch	WS-9	U(C-04-12)26aa	482852	4439309	1513	58	39
Wasatch Back	Buffalo Canyon Unit	HENR00	Wasatch	WS-10	U(C-05-12)13da	484960	4432113	4136	112	27
Wasatch Back	Buffalo Canyon Unit	HENR00	Wasatch	WS-10	U(C-05-12)13da	484960	4432113	3024	85	28
Escalante Des.	ED-4	CHAP813	Washington	WA-1	(C-37-15)03aca	277724	4165844	100	18	51
Grand Staircase	Imperial Fed #19-1	HENR00	Washington	WA-2	(C-40-11)19cc	310095	4128936	737	51	69
St. George Basi	Fed #1-13	HENR00	Washington	WA-3	(C-40-13)13bc	298882	4131507	900	36	40
St. George Basi	TG-06	BUDD862	Washington	WA-4	(C-40-16)08bbc	262774	4133807		70	150
St. George Basi	TG-10	BUDD862	Washington	WA-5	(C-42-13)06bdb	290734	4115219		23	27
St. George Basi	TG-09	BUDD862	Washington	WA-6	(C-42-13)07bdb	290180	4113678		20	6
St. George Basi	TG-13	BUDD862	Washington	WA-7	(C-42-13)18bbc	290308	4112365		20	1
St. George Basi	TG-08	BUDD862	Washington	WA-8	(C-42-13)33aad	294582	4107563		20	19
St. George Basi	TG-11	BUDD862	Washington	WA-9	(C-42-14)15aba	285903	4112564		20	7
St. George Basi	TG-12	BUDD862	Washington	WA-10	(C-42-14)15dbd	286292	4111766		18	34
St. George Basi	TG-16	BUDD862	Washington	WA-11	(C-42-15)10bcd	275698	4113940		27	NA
St. George Basi	TG-18	BUDD862	Washington	WA-12	(C-42-16)14daa	268581	4112123		19	NA
St. George Basi	TG-07	BUDD862	Washington	WA-13	(C-43-14)17cdd	282434	4101794		22	19
St. George Basi	TG-02	BUDD862	Washington	WA-14	(C-43-15)07bbb	270180	4104872		18	NA
St. George Basi	TG-14	BUDD862	Washington	WA-15	(C-43-15)10cca	275453	4103698		20	21
St. George Basi	TG-03	BUDD862	Washington	WA-16	(C-43-15)11ddd	278373	4103421		21	22
St. George Basi	TG-15	BUDD862	Washington	WA-17	(C-43-15)12bdd	279105	4104157		20	8
St. George Basi	TG-01	BUDD862	Washington	WA-18	(C-43-15)16dcc	274201	4101821		20	24

REGION_LOC	HOLE_NAME	PUB_REF	COUNTY	MAPNO	TRS	UTM_E (m)	UTM_N (m)	DEPTH (m)	BHT (°C)	UCGRAD (°C/km)
St. George Basi	TG-05	BUDD862	Washington	WA-19	(C-43-15)24dcc	279443	4100073		21	22
St. George Basi	TG-04	BUDD862	Washington	WA-20	(C-43-15)25ddd	279856	4098474		17	NA
Green River Des	USA Fed #1	HENR00	Wayne	WY-1	(D-26-16)31cc	568558	4261313	1521	50	33
High Plateaus	Deadman Hollow Unit #1	HENR00	Wayne	WY-2	(D-27-01)23ba	432696	4255887	2415	73	30
High Plateaus	Fish Lake 1-1	HENR00	Wayne	WY-3	(D-27-03)01ca	453444	4259690	3470	82	24
San Rafael Swel	Fed #11-4	HENR00	Wayne	WY-4	(D-27-07)04bb	484974	4260546	1482	60	41
Green River Des	Hanksville Unit #1	HENR00	Wayne	WY-5	(D-27-11)06da	521813	4259618	2194	49	22
High Plateaus	Tanner 1-27	HENR00	Wayne	WY-6	(D-28-03)27dd	450822	4243195	2165	80	37
Henry Mtns.	Federal NO. 22-6	HENR00	Wayne	WY-7	(D-28-10)36dd	520314	4241661	1012	36	36
Green River Des	Biddlecome Ranch Fed #11-20	HENR00	Wayne	WY-8	(D-28-14)20bb	551116	4246203	1542	42	27
Canyonlands	DU-1 - USA #1	HENR00	Wayne	WY-9	(D-28-17)27bb	583283	4244906	1547	51	33
Henry Mtns.	Henry Basin Fed #17-6	HENR00	Wayne	WY-10	(D-29-11)17bd	522494	4237495	1130	40	35
High Plateaus	Lion Mt #1	HENR00	Wayne	WY-11	(D-30-05)19ab	464946	4227054	1292	35	27
Henry Mtns.	USA Pexco #1	HENR00	Wayne	WY-12	(D-30-12)19bb	523793	4232705	1794	51	28
Henry Mtns.	Burr Desert #2	HENR00	Wayne	WY-13	(D-30-12)21bc	534039	4226906	1776	41	23
Green River Des	Burr Desert #1	HENR00	Wayne	WY-14	(D-30-12)24ad	539610	4226587	881	38	43
Green River Des	Dirty Devil Unit #4	HENR00	Wayne	WY-15	(D-30-14)15dd	543664	4233188	773	36	47
Wasatch Front	GSLM/GH-A	MURP792	Weber	WE-1	(B-06-03)06cab	396932	4570923	73	22	144