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Principal facts for a gravity survey of
Wendel-Amedee Known Geothermal Resource
Area, California

By

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This report is preliminary and has not been
edited or reviewed for conformity with U.S.
Geological Survey standards and nomenclature.

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

PRINCIPAL FACTS FOR A GRAVITY SURVEY OF WENDEL-AMEDEE KNOWN GEOTHERMAL RESOURCE AREA, CALIFORNIA

Explanation of the headings of the columns of the accompanying table of principal facts:

Station identification	Gravity Survey Station Number
Latitude	North latitude in degrees, minutes and hundredths of minutes
Longitude	West longitude in degrees, minutes and hundredths of minutes
Elev.	Elevation in feet (to convert to meters, multiply by 0.3048)
ST	State
Observed Gravity	Observed gravity in milligals
ST. GRV.	Theoretical gravity computed using the "Geodetic Reference System 1967"
Free-Air	Free-air correction in milligals
Bouguer	Bouguer correction in milligals (includes elevation and curvature correction)
Bouguer Anomaly	Simple Bouguer Anomaly in milligals for an assumed density of 2.67 grams per cc

These data are referenced to the A.C.I.C. station located at Doyle, just east of the Western Pacific railroad track, 150 feet north of the station, in the foundation of a water tank, on the second pedestal from the south side. Reading taken on ground 3.7 feet below U.S. Coast and Geodetic Survey benchmark disk Y-141. (A.C.I.C. reference number 2002-1)

Reference:

"Geodetic Reference System 1967", International Assn. of Geodesy, Special Publication No. 3.

BOUGUER GRAVITY DATA

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WENDEL-AMEDEE GRAVITY SURVEY K.G.R.A. CALIFORNIA
 BY DONALD L. PETERSON BASE VALUE=979823.28
 DENSITY: 2.67

STATION IDENTIFICATION	LATITUDE	LOCATION		ELEV.	ST.	OBSERVED GRAVITY		CORRECTIONS			BOUGUER ANOMALY	SPEC. FIELD
		LONGITUDE				STD. GRV.	TERRAIN	FREE-AIR	BOUGUER	SPECIAL		
WENDEL, WA01	40 20.88	-120 13.90		4009.0	CA	979823.28	-980199.99		376.97	-138.00		-137.74
WENDEL, WA02	40 21.17	-120 11.79		4095.0	CA	979822.00	-980200.42		385.14	-140.98		-134.26
WENDEL, WA03	40 19.93	-120 11.03		4049.0	CA	979819.98	-980198.58		380.73	-139.37		-137.24
WENDEL, WA04	40 19.17	-120 11.45		4024.0	CA	979820.18	-980197.45		378.38	-138.51		-137.40
WENDEL, WA05	40 18.59	-120 11.05		4015.0	CA	979821.10	-980196.59		377.53	-138.20		-136.16
WENDEL, WA06	40 18.31	-120 11.58		3980.0	CA	979818.30	-980196.17		374.24	-137.00		-140.63
WENDEL, WA01	40 20.88	-120 13.90		4009.0	CA	979823.28	-980199.99		376.97	-138.00		-137.74
WENDEL, WA01	40 20.88	-120 13.90		4009.0	CA	979823.28	-980199.99		376.97	-138.00		-137.74
WENDEL, WA07	40 22.03	-120 14.30		4054.0	CA	979826.36	-980201.70		381.20	-139.54		-133.68
WENDEL, WA08	40 21.81	-120 14.08		4053.0	CA	979825.94	-980201.38		381.10	-139.51		-133.85
WENDEL, WA09	40 21.88	-120 13.77		4073.0	CA	979825.14	-980201.48		382.98	-140.19		-133.55
WENDEL, WA10	40 21.93	-120 13.44		4104.0	CA	979823.06	-980201.56		385.90	-141.25		-133.85
WENDEL, WA11	40 22.02	-120 13.10		4149.0	CA	979819.79	-980201.69		390.13	-142.80		-134.57
WENDEL, WA12	40 22.10	-120 12.61		4190.0	CA	979817.06	-980201.81		393.98	-144.20		-134.97
WENDEL, WA13	40 22.13	-120 12.10		4267.0	CA	979812.41	-980201.85		401.22	-146.84		-135.06
WENDEL, WA14	40 22.28	-120 11.68		4363.0	CA	979806.64	-980202.08		410.24	-150.13		-135.33
WENDEL, WA15	40 22.49	-120 11.22		4501.0	CA	979798.21	-980202.39		423.21	-154.86		-135.83
WENDEL, WA16	40 22.50	-120 10.90		4604.0	CA	979791.75	-980202.40		432.90	-158.39		-136.14
WENDEL, WA17	40 22.41	-120 10.49		4767.0	CA	979780.89	-980202.27		448.22	-163.97		-137.13
WENDEL, WA01	40 20.88	-120 13.90		4009.0	CA	979823.28	-980199.99		376.97	-138.00		-137.74
WENDEL, WA01	40 20.88	-120 13.90		4009.0	CA	979823.28	-980199.99		376.97	-138.00		-137.74
WENDEL, WA18	40 20.21	-120 14.81		3997.0	CA	979819.26	-980199.00		375.84	-137.59		-141.49
WENDEL, WA19	40 19.80	-120 13.01		4010.0	CA	979819.09	-980198.39		377.06	-138.03		-140.27
WENDEL, WA20	40 19.50	-120 13.42		3997.0	CA	979817.03	-980197.94		375.84	-137.59		-142.66
WENDEL, WA21	40 21.30	-120 10.76		4829.0	CA	979773.49	-980200.62		454.04	-166.09		-139.18
WENDEL, WA22	40 23.42	-120 13.58		4679.0	CA	979789.69	-980203.77		439.95	-160.96		-135.09
WENDEL, WA23	40 23.51	-120 15.94		4112.0	CA	979827.47	-980203.91		386.65	-141.53		-131.32
WENDEL, WA24	40 23.56	-120 16.59		4091.0	CA	979827.29	-980203.98		384.68	-140.81		-132.82
WENDEL, WA25	40 22.87	-120 15.94		4054.0	CA	979826.14	-980202.95		381.20	-139.54		-135.15
WENDEL, WA01	40 20.88	-120 13.90		4009.0	CA	979823.28	-980199.99		376.97	-138.00		-137.74
WENDEL, WA01	40 20.88	-120 13.90		4009.0	CA	979823.28	-980199.99		376.97	-138.00		-137.74
WENDEL, WA26	40 17.85	-120 10.44		4015.0	CA	979820.75	-980195.49		377.53	-138.20		-135.41
WENDEL, WA27	40 18.13	-120 10.09		4089.0	CA	979817.23	-980195.90		384.49	-140.74		-134.92
WENDEL, WA28	40 18.42	-120 9.90		4318.0	CA	979803.50	-980196.33		406.01	-148.59		-135.41
WENDEL, WA29	40 18.80	-120 9.70		4610.0	CA	979784.98	-980196.90		433.46	-158.59		-137.05
WENDEL, WA01	40 20.88	-120 13.90		4094.0	CA	979823.28	-980199.99		384.96	-140.91		-132.66