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ms. 76-702-B

USGS-OFR-76-702B

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UNITED STATES (DEPARTMENT OF THE INTERIOR)

GEOLOGICAL SURVEY.

[Reports - Open file series]

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

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Iwamoto

By

de Donald L. Peterson, and *1928-* Jerry H. Hassemer, *1934-*

Open-File Report 76-702B
1976

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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 pedes-
tal 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

PAGE 1

WENDEL-AMEDEL GRAVITY SURVEY
BY DONALD L. PETERSON
DENSITY: 2.67

K.G.P.A. CALIFORNIA
BASE VALUE=979823.28

STATION IDENTIFICATION		LATITUDE	LOCATION LONGITUDE	ELEV.	ST.	OBSERVED GRAVITY	STD. GRV.	TERRAIN CORRECTIONS	FREE-AIR	BOUGUER	SPECIAL	BOUGUER ANOMALY	SPEC. FIELD
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	4096.0	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 20.71	-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	