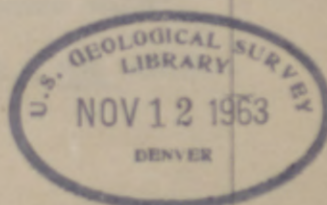


9-1257(200)
R290
no. 63-18

Principal facts for a gravity
survey made in northeastern Oklahoma
and southeastern Kansas during 1948 1)

by

* Kenneth L. Cook, U. S. Geological Survey
**
and ** Albert J. Hoskinson and George R. Shelton
U. S. Coast and Geodetic Survey



- * Responsible for gravity observations.
- ** Responsible for pendulum control; station positions
and elevations; and data reduction.

1) These principal facts were used in preparation of
Kenneth L. Cook's paper, "Regional gravity survey of
northeastern Oklahoma and southeastern Kansas" published in
Geophysics, 1956, v. 21, no. 1, p. 88 - 106.

This report has not been edited or
reviewed for conformity to Geological
Survey standards.

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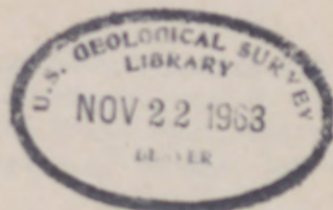
Please change one number in your copy of the subject tabulation.

On page 22 - Kansas - Station CCC-18, in the last column under "Free-air anomaly (mgals)" - the value should be -21.3 not -22.3.

/s/ JH

John R. Henderson
Geophysicist

copy to



Superseded by:

*Cook, K. L., Hoskinson, A. J., and Skelton, G. R.,
1971, Principal facts for a gravity survey
made in northeastern Oklahoma and
southeastern Kansas during 1948. NTIS,
PB-203-960, 24 p. (Library does not
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2. Bedrock reconnaissance map of the northern one-third of Wesley quadrangle, Maine, by D. M. Larrabee. 1 map. On file in Room 1, 270 Dartmouth St., Boston, Mass.; Maine Geological Survey, Dept. of Economic Development, State House, Augusta, Maine. Copies from which reproductions can be made at private expense are available in the USGS Library, 1033 GSA Bldg., Washington, D. C.

3. Geology of the salt deposits and the salt industry of northern Chile, by George E. Ericksen. 164 p., 36 figs., and 32 tables.

4. Principal facts for a gravity survey made in northeastern Oklahoma and southeastern Kansas during 1948, by Kenneth L. Cook, A. J. Hoskinson, and G. R. Shelton. 24 pages, 1 table. Oklahoma Geological Survey, 163 Gould Hall, University of Oklahoma, Norman, Okla.; State Geological Survey, University of Kansas, Lawrence, Kansas.

OKLAHOMA

County and Station No.	Latitude	Longitude	Elevation (feet)	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Leflore						
A-1	34° 59.5'	94° 31.4'	530	979.7448	979.6302	-64.7
A-3A	35 00.0	94 40.6	518	.7455	.6263	-70.5
A-3	34 59.2	94 37.8	487	.7444	.6324	-66.2
A-4	34 58.4	94 45.0	503	.7433	.6298	-66.2
A-5	34 57.4	94 49.9	555	.7419	.6244	-65.3
Latimer						
A-6	34 56.9	94 55.6	570	979.7412	979.6204	-67.2
A-7	34 57.0	95 01.9	586	.7413	.6200	-66.2
A-8	34 56.8	95 08.7	648	.7410	.6201	-59.9
A-10	34 55.5	95 14.1	606	.7392	.6211	-61.1
Pittsburg						
A-14	35 00.0	95 36.3	647	979.7455	979.6458	-38.8
A-15	35 00.0	95 44.5	627	.7455	.6526	-33.9
A-17	34 57.1	95 51.6	647	.7414	.6493	-31.2
A-18A	34 56.6	95 56.8	654	.7407	.6457	-33.5
A-18	34 56.6	96 01.1	747	.7407	.6496	-20.8
Hughes						
A-19	34 54.3	96 06.0	724	979.7375	979.6527	-16.7
Seminole						
A-24	35 00.0	96 30.7	900	979.7455	979.6713	+10.5
A-26	35 00.0	96 42.5	926	.7455	.6793	+20.9
Pottawatomie						
A-27	34 59.2	96 48.6	1022	979.7444	979.6750	+26.7
A-29	35 00.0	96 55.4	1061	.7455	.6721	+26.4
Leflore						
B-3	35 02.7	94 37.7	505	979.7494	979.6400	-61.9
Haskell						
B-8	35 06.5	95 06.2	547	979.7547	979.6526	-50.6
B-9	35 06.1	95 12.3	522	.7541	.6538	-51.2
Latimer						
B-10	35 03.4	95 19.1	924	979.7504	979.6273	-36.2
Pittsburg						
B-12	35 04.7	95 29.4	636	979.7522	979.6548	-37.6
B-13	35 04.4	95 33.8	673	.7518	.6537	-34.8
B-14	35 07.2	95 40.7	621	.7557	.6665	-30.8

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OKLAHOMA

County and Station No.	Latitude	Longitude	Elevation (feet)	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Hughes B-20	35° 05.5'	96° 09.5'	882	979.7533	979.6629	- 7.4
Seminole B-24	35° 04.3'	96° 29.5'	958	979.7516	979.6700	+ 8.5
B-26	35° 04.3'	96° 40.2'	928	.7516	.6792	+14.9
Pottawatomie B-29	35° 04.4'	96° 55.0'	1000	979.7518	979.6774	+19.7
Lefflore C-3	35° 07.3'	94° 39.0'	517	979.7558	979.6592	-48.0
Haskell C-7	35° 09.3'	94° 56.9'	623	979.7865 ⁵⁸⁶	979.6554	-44.6
C-9	35° 10.5'	95° 13.8'	627	.7604	.6623	-39.1
C-11	35° 07.5'	95° 19.9'	645	.7562	.6560	-39.5
Pittsburg C-11A	35° 07.6'	95° 22.4'	622	979.7563	979.6600	-37.8
Hughes C-19	35° 06.9'	96° 05.9'	752	979.7553	979.6714	-13.2
C-21	35° 08.6'	96° 14.8'	791	.7577	.6776	- 5.7
Seminole C-24	35° 08.7'	96° 29.5'	849	979.7579	979.6804	+ 2.4
C-26	35° 08.7'	96° 40.2'	924	.7579	.6826	+11.6
Pottawatomie C-29	35° 08.7'	96° 55.7	1084	979.7579	979.6750	+19.1
Lefflore D-2	35° 15.1'	94° 34.6'	515	979.7669	979.6783	-40.2
D-3A	35° 11.4'	94° 40.3'	461	.7617	.6707	-47.6
D-3	35° 14.4'	94° 40.3'	504	.7659	.6770	-41.5
D-4	35° 11.4'	94° 46.0'	507	.7617	.6677	-46.3
D-5	35° 10.1'	94° 51.6'	577	.7598	.6604	-45.1
Haskell D-10	35° 14.8'	95° 14.3'	559	979.7665	979.6806	-33.3
D-11	35° 14.8'	95° 22.8'	673	.7665	.6738	-29.4
Pittsburg D-12	35° 14.3'	95° 30.4'	566	979.7658	979.6810	-31.6
D-14	35° 11.3'	95° 38.5'	625	.7615	.6752	-27.5

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OKLAHOMA

County and Station No.	Latitude	Longitude	Elevation (feet)	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
McIntosh D-13	35 14.8	95 34.8	594	979.7665	979.6820	-28.6
Hughes D-19	35 11.3	96 304.3	700	979.7615	979.6806	-15.1
D-21	35 13.0	96 14.7	734	.7639	.6857	- 9.2
Seminole D-24	35 13.0	96 28.6	954	979.7639	979.6769	+ 2.7
D-26	35 13.0	96 40.3	863	.7639	.6899	+ 7.2
Pottawatomie D-29	35 13.0	96 56.5	1048	979.7639	979.6806	+15.3
Leflore E-1	35 17.2	94 30.2	445	979.7699	979.6877	-40.3
E-4A	35 19.3	94 45.6	534	.7728	.6899	-32.7
E-4	35 15.7	94 45.9	495	.7678	.6797	-41.5
Haskell E-5	35 15.7	94 49.8	550	979.7678	979.6795	-36.6
E-6	35 15.7	94 54.0	516	.7678	.6822	-37.1
E-7	35 15.7	95 00.5	545	.7678	.6818	-34.7
E-8A	35 19.2	95 03.7	548	.7727	.6923	-28.9
E-8	35 19.2	95 07.9	584	.7727	.6900	-27.8
E-9	35 15.3	95 11.1	584	.7672	.6786	-33.7
Muskogee E-10	35 17.4	95 14.0	518	979.7702	979.6900	-31.5
McIntosh E-16	35 15.7	95 50.4	721	979.7678	979.6809	-19.1
E-18	35 15.8	95 56.8	825	.7679	.6753	-15.0
Hughes E-19	35 16.3	96 02.3	732	979.7686	979.6845	-15.2
E-20	35 16.8	96 11.5	872	.7693	.6793	- 8.0
Seminole E-24	35 17.4	96 27.5	929	979.7702	979.6814	- 1.4
E-26	35 17.4	96 40.2	1048	.7702	.6820	+10.4
Pottawatomie E-29	35 16.6	96 55.9	1022	979.7690	979.6855	+12.6

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OKLAHOMA

County and Station No.	Latitude	Longitude	Elevation (feet)	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Laflora F-1A	35° 21.6'	94° 24.9'	420	979.7761	979.6879	-48.7
Sequoyah F-1	35 23.5	94 28.7	398	979.7788	979.7102	-31.2
F-2	35 23.9	94 34.0	470	.7794	.7059	-29.4
F-3	35 23.9	94 39.5	465	.7794	.7069	-28.8
F-5	35 23.0	94 48.7	516	.7781	.7020	-27.6
Haskell F-7	35 23.5	95 02.7	550	979.7788	979.7048	-22.3
Muskogee F-10	35 21.7	95 16.2	577	979.7763	979.6976	-24.4
McIntosh F-13	35 20.4	95 34.8	579	979.7744	979.6966	-23.3
Okfuskee F-18	35 19.6	96 01.7	691	979.7732	979.6921	-16.1
F-20	35 21.7	96 07.2	769	.7763	.6902	-13.7
Seminole F-24	35 21.7	96 27.5	852	979.7763	979.6917	-4.4
F-26	35 21.7	96 40.3	914	.7763	.6964	+ 6.1
Pottawatomie F-29	35 21.7	96 54.8	1094	979.7763	979.6880	+14.6
Sequoyah G-4	35 26.3	94 44.6	517	979.7828	979.7123	-21.9
G-5	35 27.7	94 50.0	522	.7848	.7174	-18.3
G-6	35 27.8	94 55.3	501	.7849	.7206	-17.2
Muskogee G-10	35 26.1	95 16.2	549	979.7825	979.7104	-20.5
McIntosh G-11	35 27.9	95 21.8	624	979.7851	979.7094	-17.0
G-12A	35 24.4	95 27.1	613	.7801	.7021	-20.3
G-12	35 27.9	95 27.1	660	.7851	.7070	-16.0
G-13	35 24.4	95 33.2	669	.7801	.7069	-10.3
Okfuskee G-21	35 25.6	96 07.1	782	979.7818	979.6961	-12.1
G-20	35 26.1	96 15.8	881	.7825	.6946	- 5.0
G-22	35 25.6	96 22.2	931	.7818	.6923	- 1.9

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OKLAHOMA

County and Station No.	Latitude		Longitude		Elevation (feet)	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Pottawatomie	°	'	°	'				
G-26	35	26.0	96	39.9	1010	979.7824	979.6965	+ 9.1
G-29	35	26.0	96	54.8	977	.7824	.6994	+ 8.9
Sequoyah								
H-4	35	32.5	94	44.7	920	979.7916	979.7941	- 1.0
H-7	35	29.7	95	01.7	580	.7876	.7200	-13.0
H-8	35	31.5	95	06.7	488	.7902	.7266	-17.7
Muskogee								
H-9	35	29.6	95	11.9	480	979.7874	979.7225	-19.8
H-10	35	30.4	95	18.5	590	.7886	.7184	-14.7
McIntosh								
H-13	35	28.7	95	31.4	626	979.7862	979.7102	-17.1
H-14	35	30.4	95	38.2	570	.7886	.7122	-22.8
Okmulgee								
H-18	35	30.4	95	57.2	702	979.7886	979.7101	-12.5
Okfuskee								
H-21	35	30.4	96	15.8	779	979.7886	979.7084	- 6.9
H-22	35	28.7	96	23.3	977	.7862	.6937	- 0.6
H-24	35	29.4	96	28.6	859	.7872	.7042	- 2.2
H-25	35	30.3	96	33.9	994	.7884	.6987	+ 3.8
Lincoln								
H-26	35	29.8	96	41.0	1044	979.7877	979.6974	+ 7.9
H-27	35	30.3	96	47.4	995	.7884	.7013	+ 6.5
H-28	35	30.1	96	53.8	900	.7882	.7068	+ 3.3
Sequoyah								
I-3	35	35.5	94	41.0	1323	979.7958	979.6832	+11.8
Muskogee								
I-9	35	35.9	95	08.3	712	979.7964	979.7228	- 6.6
I-11	35	34.9	95	19.1	567	.7950	.7279	-13.8
I-14	35	34.9	95	39.5	671	.7950	.7153	-16.6
McIntosh								
I-13	35	33.1	95	31.4	602	979.7924	979.7195	-16.3
Okmulgee								
I-18	35	34.9	95	57.7	643	979.7950	979.7199	-14.6
I-19	35	36.6	96	03.0	642	.7974	.7226	-14.4
I-20	35	35.7	96	09.2	652	.7962	.7181	-16.8

OKLAHOMA

County and Station No.	Latitude	Longitude	Elevation feet	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Okfuskee						
I-21	35° 34.8'	96° 15.7'	800	979.7948	979.7157	- 3.9
I-23	35 33.1	96 23.3	770	.7924	.7141	- 5.9
Lincoln						
I-26	35 34.7	96 39.8	832	979.7947	979.7142	- 2.2
I-28	35 34.7	96 53.2	928	.7947	.7042	- 0.2
Adair						
J-3	35 39.7	94 41.0	1035	979.8018	979.7143	+ 9.9
J-4	35 41.3	94 45.9	796	.8041	.7287	- 0.5
Muskogee						
J-11	35 40.1	95 22.3	593	979.8024	979.7360	-10.6
J-12	35 39.2	95 25.6	591	.8011	.7328	-12.7
J-14	35 39.2	95 39.0	624	.8011	.7256	-16.8
Okmulgee						
J-17	35 39.2	95 53.5	787	979.8011	979.7217	- 5.4
J-18	35 39.3	95 58.8	641	.8012	.7250	-15.9
Okfuskee						
J-23	35 37.4	96 23.4	719	979.7986	979.7240	- 7.0
Lincoln						
J-26	35 39.1	96 39.9	822	979.8010	979.7185	- 5.2
J-28	35 39.0	96 53.3	810	.8008	.7164	- 8.2
Adair						
K-5	35 45.4	94 47.9	712	979.8100	979.7373	- 5.7
Muskogee						
K-9	35 42.1	95 11.6	539	979.8052	979.7456	- 8.9
K-12A	35 42.7	95 23.4	576	.8061	.7416	-10.3
K-12	35 45.4	95 26.6	650	.8100	.7383	-10.6
K-13	35 45.8	95 31.9	592	.8105	.7404	-14.4
K-14	35 43.6	95 38.4	576	.8074	.7360	-17.2
Okmulgee						
K-17	35 43.5	95 52.4	850	979.8072	979.7242	- 3.0
K-19	35 43.5	96 04.1	705	.8072	.7306	-10.3
Creek						
K-21	35 44.4	96 13.7	717	979.8086	979.7354	- 5.8
K-23	35 43.5	96 23.3	807	.8072	.7297	- 1.6

OKLAHOMA

County and Station No.	Latitude	Longitude	Elevation feet	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Lincoln						
K-26	35° 44.3'	96° 39.9'	832	979.8084	979.7221	- 8.0
K-27	35 42.6	96 47.3	931	.8060	.7128	- 5.6
K-28	35 45.2	96 53.2	1003	.8097	.7107	- 4.7
Adair						
L-1	35 48.3	94 30.2	1112	979.8141	979.7235	+14.0
L-3	35 44.4	94 38.7	1083	.8086	.7184	+11.7
L-4	35 46.3	94 42.6	935	.8112	.7230	- 0.3
Cherokee						
L-8	35 47.9	95 07.7	590	979.8136	979.7488	- 9.3
Muskogee						
L-9A	35 46.0	95 11.4	575	979.8108	979.7488	- 7.9
L-9	35 48.0	95 10.7	566	.8137	.7489	-11.6
L-10	35 46.2	95 16.0	513	.8111	.7519	-10.9
L-14	35 48.0	95 40.0	588	.8137	.7405	-17.9
Oklmulgee						
L-17	35 47.8	95 52.3	735	979.8134	979.7374	- 6.9
L-19	35 47.8	96 04.0	755	.8134	.7350	- 7.4
Creek						
L-21	35 48.7	96 15.8	775	979.8147	979.7393	- 2.5
L-23	35 49.1	96 24.4	799	.8152	.7395	- 0.5
L-24	35 48.3	96 31.7	900	.8141	.7280	- 1.4
Adair						
M-4	35 50.9	94 40.9	922	979.8178	979.7293	- 1.8
Cherokee						
M-5	35 55.8	94 50.2	755	979.8248	979.7515	- 2.3
M-7	35 51.0	95 00.2	907	.8179	.7379	+ 5.3
Wagoner						
M-12	35 52.3	95 26.8	557	979.8198	979.7574	-10.0
M-13	35 52.3	95 31.0	622	.8198	.7474	-13.9
M-15	35 52.3	95 43.8	681	.8198	.7411	-14.6
Tulsa						
M-17	35 52.3	95 53.4	613	979.8198	979.7500	-12.1
Creek						
M-19	35 52.3	96 03.6	724	979.8198	979.7442	- 7.5
M-23	35 54.1	96 23.2	920	.8223	.7389	+ 3.1

OKLAHOMA

County and Station No.	Latitude	Longitude	Elevation feet	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Lincoln						
M-26	35° 50.4'	96° 39.9'	933	979.8171	979.7247	- 4.6
M-28	35 50.4	96 52.6	948	.8171	.7220	- 5.9
Adair						
N-5	35 57.9	94 46.8	793	979.8278	979.7527	- 0.5
Cherokee						
N-6	35 55.4	94 53.2	983	979.8242	979.7431	+11.4
N-7	35 52.5	94 58.5	740	.8201	.7445	- 6.0
N-8	35 54.9	95 04.9	764	.8235	.7458	- 5.8
N-9	35 55.8	95 10.3	604	.8248	.7584	- 9.6
N-10	35 55.8	95 15.6	576	.8248	.7592	-11.4
Wagoner						
N-11	35 57.6	95 18.8	543	979.8274	979.7629	-13.4
N-12	35 57.6	95 26.4	648	.8271	.7654	- 1.1
N-14	35 56.7	95 34.9	561	.8261	.7597	-13.6
Tulsa						
N-17	35 56.7	95 53.2	607	979.8261	979.7568	-12.2
Creek						
N-19	35 56.7	96 03.8	691	979.8261	979.7562	- 4.9
N-21	35 55.2	96 16.8	731	.8239	.7537	- 1.4
Lincoln						
N-26	35 54.7	96 39.7	874	979.8232	979.7361	- 4.9
N-28	35 54.7	96 52.5	990	.8232	.7269	- 3.2
Adair						
O-2A	36 02.7	94 35.0	1101	979.8346	979.7422	+11.2
O-2	35 59.2	94 34.0	1123	.8297	.7349	+10.8
Cherokee						
O-6	36 01.8	94 54.8	773	979.8333	979.7625	+ 1.9
Wagoner						
O-11	36 01.0	95 22.0	609	979.8322	979.7661	- 8.8
O-14	36 01.0	95 34.9	558	.8322	.7708	- 8.9
Tulsa						
O-16	36 01.1	95 47.8	719	979.8323	979.7542	-10.5
O-17	36 01.1	95 53.2	723	.8323	.7555	- 8.8

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County and Station No.	Latitude	Longitude	Elevation feet	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Creek						
O-19	36° 01.5	96° 06.1	688	979.8329	979.7669	- 1.3
O-20	35 59.3	96 11.5	830	.8298	.7535	+ 1.8
O-21	35 59.3	96 15.8	936	.8298	.7480	+ 6.2
O-23	36 00.0	96 22.2	916	.8308	.7500	+ 5.4
O-24	36 00.2	96 29.7	912	.8311	.7461	+ 0.8
Payne						
O-26	35 59.1	96 39.0	879	979.8295	979.7437	- 3.1
O-27	35 59.1	96 43.8	928	.8295	.7402	- 2.0
O-28	35 59.1	96 52.3	878	.8295	.7425	- 4.4
O-29	35 59.1	96 57.7	990	.8295	.7362	- 0.2
Adair						
P-2	36 07.7	94 34.4	929	979.8418	979.7607	+ 6.3
Cherokee						
P-5	36 06.4	94 49.6	822	979.8400	979.7666	+ 3.9
Mayes						
P-11	36 05.5	95 21.8	618	979.8386	979.7736	- 6.9
Tulsa						
P-17	36 05.3	95 53.1	766	979.8384	979.7611	- 5.3
P-20	36 06.3	--	780	.8398	.7652	--
Creek						
P-23	36 07.1	96 24.4	866	979.8409	979.7614	+ 2.0
P-24	36 05.4	96 29.7	857	.8385	.7597	+ 1.8
P-25	36 07.1	96 34.6	872	.8409	.7606	+ 1.7
Payne						
P-26	36 07.0	96 40.6	888	979.8408	979.7590	+ 1.7
P-27	36 07.8	96 45.9	811	.8418	.7626	- 2.9
P-28	36 07.8	96 51.2	977	.8418	.7526	+ 2.7
P-29	36 07.0	96 56.6	895	.8408	.7518	- 4.8
P-30	36 07.0	97 01.9	929	.8408	.7464	- 7.0
Delaware						
Q-2	36 10.7	94 33.8	1175	979.8461	979.7506	+15.0
Q-3	36 10.7	94 37.5	1119	.8461	.7543	+13.5
Q-4	36 11.5	94 42.6	900	.8472	.7681	+ 6.6
Mayes						
Q-11	36 09.7	95 20.9	641	979.8447	979.7768	- 7.6
Q-9	36 11.5	95 11.1	661	.8472	.7780	- 7.0
Q-12	36 09.8	95 26.4	630	.8448	.7768	- 8.7

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County and Station No.	Latitude	Longitude	Elevation feet	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Rogers						
Q-13	36° 09.7'	95° 31.7'	591	979.8447	979.7781	-11.0
Q-14	36 09.7	95 37.2	556	.8447	.7804	-12.0
Q-15	36 09.6	95 42.4	682	.8445	.7718	- 8.6
Q-16	36 09.6	95 47.8	732	.8445	.7669	- 8.7
Tulsa						
Q-17	36 09.7	95 53.1	700	979.8447	979.7716	- 7.3
Q-18	36 11.8	95 58.4	625	.8477	.7784	-10.5
Q-21A	36 08.4	96 12.5	695	.8428	.7747	- 2.7
Q-21	36 09.8	96 16.8	691	.8448	.7783	- 1.5
Delaware						
R-4A	36 14.1	94 45.7	1148	979.8509	979.7554	+12.5
R-4	36 15.8	94 45.7	1209	.8534	.7541	+14.4
R-5	36 12.4	94 46.8	1149	.8486	.7497	+ 9.2
R-6	36 12.4	94 53.2	1104	.8486	.7547	+ 9.9
R-7A	36 12.4	94 57.5	1182	.8486	.7487	+11.3
Mayes						
R-7	36 13.3	95 01.7	994	979.8498	979.7600	+ 3.7
R-8	36 12.9	95 07.1	914	.8493	.7660	+ 2.7
Tulsa						
R-17	36 14.2	95 52.0	598	979.8511	979.7845	-10.4
Pawnee						
R-22	36 12.6	96 18.3	780	979.8488	979.7782	+ 2.8
R-23	36 14.7	96 24.6	802	.8518	.7798	+ 3.4
R-25	36 12.2	96 34.5	928	.8483	.7688	+ 7.8
Payne						
R-30	36 12.2	97 04.1	1037	979.8483	979.7454	- 5.4
Mayes						
S-8	36 19.9	95 04.5	957	979.6593	979.7726	+ 3.3
S-9	36 17.6	95 09.8	997	.8559	.7926	- 7.1
S-10	36 18.4	95 15.3	668	.8571	.7896	- 4.7
S-11	36 18.5	95 20.6	609	.8572	.7911	- 8.8
S-12	36 18.5	95 26.0	722	.8572	.7819	- 7.4
Rogers						
S-13	36 18.5	95 31.6	630	979.8572	979.7865	-11.4
S-14	36 18.5	95 35.6	596	.8572	.7873	-13.8
S-15	36 18.4	95 41.2	610	.8571	.7866	-13.1
S-16	36 19.4	95 47.7	718	.8586	.7832	- 7.9

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County and Station No.	Latitude	Longitude	Elevation (feet)	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Tulsa						
S-17	36° 18.6'	95° 53.0'	669	979.8574	979.7850	- 9.5
S-18	36 17.7	95 53.3	611	.8561	.7890	- 9.6
Pawnee						
S-24	36 19.2	96 27.8	753	979.8583	979.7918	+ 4.3
S-25	36 17.3	96 34.1	758	.8555	.7864	+ 2.2
S-26	36 17.4	96 39.4	906	.8557	.7743	+ 3.8
S-27	36 18.3	96 44.7	944	.8570	.7676	- 0.6
S-28	36 19.2	96 52.2	941	.8583	.7644	- 5.4
Noble						
S-29	36 18.3	96 57.5	822	979.8570	979.7612	-12.8
S-30	36 17.5	97 04.0	942	.8558	.7553	-11.9
Delaware						
T-6	36 24.8	94 52.4	1084	979.8663	979.7731	+ 8.8
Mayes						
T-8	36 24.6	95 02.7	838	979.8660	979.7859	- 1.3
T-10	36 22.8	95 15.3	698	.8634	.7921	- 5.6
Rogers						
T-13	36 22.8	95 33.7	697	979.8634	979.7895	- 8.3
T-16	36 23.7	95 47.7	599	.8648	.7967	-11.8
Tulsa						
T-17	36 23.0	95 53.0	661	979.8637	979.7922	- 9.3
T-18	36 22.3	95 59.3	631	.8627	.7980	- 5.3
Osage						
T-19	36 21.7	96 04.6	643	979.8619	979.8013	- 0.1
T-20	36 21.7	96 08.5	666	.8619	.8035	+ 4.2
T-21	36 22.1	96 16.5	865	.8624	.7950	+14.0
T-22	36 24.3	96 23.4	781	.8656	.8036	+11.5
Osage						
T-22A	36 21.0	96 24.6	1012	979.8609	979.7814	+15.7
T-23	36 24.8	96 28.2	1071	.8663	.7842	+18.6
Pawnee						
T-27	36 24.4	96 47.8	1008	979.8658	979.7673	- 3.7
T-28	36 24.4	96 54.4	1013	.8658	.7635	- 7.0
T-29	36 24.4	96 58.7	1012	.8658	.7612	- 9.4
Noble						
T-30	36 24.4	97 03.9	922	979.8658	979.7638	-15.3

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County and Station No.	Latitude	Longitude	Elevation (feet)	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Delaware						
U-3	36° 25.4	94° 36.3	1057	979.8672	979.7826	+14.8
U-4	36 25.2	94 42.0	1150	.8669	.7739	+15.2
U-5	36 25.5	94 47.3	1061	.8673	.7769	+ 9.4
U-7	36 25.5	94 57.1	944	.8673	.7817	+ 3.2
Mayes						
U-10	36 26.3	95 16.3	681	979.8684	979.7963	- 8.0
U-11	36 26.4	95 20.8	647	.8686	.7970	-10.7
U-12	36 26.4	95 26.0	806	.8686	.7865	- 6.3
Rogers						
U-15	36 27.2	95 42.6	650	979.8698	979.7979	-10.8
Washington						
U-17	36 28.0	95 52.9	623	979.8709	979.8037	- 8.6
Osage						
U-18	36 26.3	95 59.9	654	979.8684	979.8062	- 0.7
U-22	36 28.7	96 22.6	765	.8719	.8137	+13.8
Osage						
U-24	36 26.5	96 34.0	866	979.8688	979.7947	+ 7.4
U-26	36 29.0	96 40.5	958	.8723	.7834	+ 1.2
Noble						
U-30	36 28.7	97 03.9	912	979.8719	979.7692	-16.9
Delaware						
V-3	36 32.4	94 37.0	1002	979.8772	979.7931	+10.1
Craig						
V-10	36 33.3	95 13.2	708	979.8785	979.8026	- 9.3
Rogers						
V-12	36 31.6	95 26.1	715	979.8760	979.7999	- 8.8
V-13	36 33.3	95 31.6	718	.8785	.8013	- 9.7
V-14	36 31.5	95 36.8	611	.8759	.8051	-13.3
V-15	36 31.5	95 42.2	683	.8759	.8014	-10.3
Washington						
V-17	36 31.5	95 52.9	620	979.8759	979.8091	- 8.5

County and Station No.	Latitude	Longitude	Elevation (feet)	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Osage						
V-19	36° 29.5	96° 03.2	697	979.8730	979.8126	+ 5.2
V-20	36 33.2	96 08.3	803	.8784	.8170	+14.1
V-22	36 32.3	96 19.6	904	.8770	.8137	+21.7
Osage						
V-28	36 30.4	96 51.1	829	979.8744	979.7844	-12.0
Delaware						
W-3	36 34.9	94 37.0	959	979.8808	979.8061	+15.5
W-4	36 35.8	94 43.7	828	.8821	.8068	+ 2.6
W-5	36 37.5	94 48.8	764	.8846	.8106	- 2.1
W-7	36 37.6	94 58.8	835	.8847	.8044	- 1.8
Craig						
W-8	36 37.7	95 03.7	741	979.8848	979.8106	- 4.5
W-10	36 37.7	95 12.9	726	.8848	.8085	- 8.0
Washington						
W-17	36 34.9	95 53.0	624	979.8808	979.8129	- 9.2
Osage						
W-20	36 37.5	96 06.7	1019	979.8846	979.8093	+20.5
Osage						
W-22	36 35.7	96 17.6	936	979.8820	979.8181	+24.1
Osage						
W-26	36 33.1	96 40.4	936	979.8782	979.7915	+ 1.3
W-27	36 34.2	96 46.1	830	.8798	.7936	- 8.1
W-28	36 33.9	96 51.1	932	.8794	.7824	- 9.3
Kay						
W-30	36 37.4	97 04.6	926	979.8844	979.7778	-19.5
Ottawa						
X-5	36 41.9	94 50.2	867	979.8909	979.8089	- 0.4
X-7	36 42.0	94 55.7	810	.8910	.8134	- 1.4
Craig						
X-9	36 42.8	95 08.5	777	979.8922	979.8133	- 5.8
X-11	36 41.8	95 22.8	741	.8907	.8122	- 8.8
Nowata						
X-12	36 42.1	95 26.9	734	979.8912	979.8139	- 8.3
X-13	36 42.1	95 32.4	645	.8912	.8192	-11.3
X-14	36 40.2	95 38.8	674	.8884	.8162	- 8.8

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County and Station No.	Latitude	Longitude	Elevation (feet)	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Washington X-18	36° 40.2'	95° 57.2'	702	979.8884	979.8151	- 7.3
Osage X-19	36 40.4	96 01.0	1026	979.8887	979.7999	+ 7.7
X-22	36 39.5	96 19.8	809	.8874	.8297	+18.4
X-23	36 40.0	96 25.6	1070	.8881	.8106	+23.1
Osage X-25	36 40.8	96 33.8	1075	979.8893	979.8015	+13.3
X-27	36 41.7	96 45.6	996	.8906	.7905	- 6.4
X-28	36 41.8	96 51.1	1101	.8907	.7806	- 6.5
X-29	36 41.2	96 55.4	1029	.8899	.7816	-11.5
Nowata Y-13	36 46.4	95 32.4	741	979.8974	979.8176	-10.1
Y-14	36 43.8	95 37.8	676	.8936	.8185	-11.5
Washington Y-17	36 43.7	95 52.9	799	979.8935	979.8108	- 7.5
Osage Y-18	36 44.3	96 00.0	696	979.8944	979.8202	- 8.7
Y-19	36 45.2	96 04.8	734	.8957	.8257	- 1.0
Y-20	36 45.9	96 10.4	985	.8967	.8186	+14.5
Y-22	36 44.4	96 17.9	814	.8945	.8353	+17.4
Kay Y-30	36 42.7	97.04.0	955	979.8920	979.7855	-16.7
Ottawa Z-3	36 50.1	94 37.0	848	979.9027	979.8233	+ 0.4
Z-4	36 48.3	94. 43.9	765	.9001	.8277	- 0.4
Craig Z-9	36 48.2	95 08.6	788	979.9000	979.8201	- 5.8
Nowata Z-13	36 51.2	95 32.8	665	979.9043	979.8273	-14.5
Z-14	36 48.1	95 38.6	754	.8998	.8184	-10.5
Washington Z-18	36 49.0	95. 55.8	701	979.9011	979.8230	-12.2
Osage Z-20	36 49.5	96 07.5	982	979.9018	979.8159	+ 6.5
Z-21	36 49.3	96 15.5	872	.9016	.8335	+13.9

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County and Station No.	Latitude	Longitude	Elevation (feet)	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Osage Z-26	36° 47.8'	96° 40.3'	1170	979.8994	979.7918	+ 2.5
Kay Z-30	36 46.9	97 04.0	1057	979.8981	979.7804	- 18.3
Ottawa AA-4	36 52.4	94 40.7	860	979.9060	979.8237	- 1.4
AA-5	36 52.4	94 47.3	840	.9060	.8296	+ 2.6
AA-7	36 51.6	94 56.7	802	.9048	.8278	- 1.6
Craig AA-8	36 52.5	95 05.2	834	979.9062	979.8239	- 4.0
AA-10	36 53.4	95 16.1	899	.9075	.8217	- 1.2
AA-11	36 53.4	95 21.7	828	.9075	.8249	- 4.7
Nowata AA-12	36 53.3	95 28.0	838	979.9075	979.8168	- 11.7
AA-14	36 52.4	95 38.2	730	.9060	.8257	- 11.6
Washington AA-18	36 54.2	95 55.4	753	979.9086	979.8264	- 11.4
Osage AA-20	36 53.8	96 07.2	817	979.9080	979.8298	- 1.4
AA-21	36 54.4	96 12.3	794	.9089	.8383	+ 4.1
Osage AA-25	36 52.2	96 33.8	1269	979.9057	979.7940	+ 7.7
AA-26	36 52.2	96 40.3	1158	.9057	.7942	- 2.6
Kay AA-27	36 51.7	96 45.7	1065	979.9050	979.7926	- 12.2
AA-28	36 53.0	96 51.2	1159	.9069	.7833	- 14.6
AA-29	36 53.0	96 56.9	1018	.9069	.7895	- 21.6
AA-30	36 51.3	97 04.1	1098	.9044	.7816	- 19.5
Nowata BB-14	36 57.5	95 37.5	702	979.9134	979.8349	- 12.5
Washington BB-18	36 59.9	95 55.8	728	979.9169	979.8356	- 12.8
Osage BB-25	36 56.6	96 33.8	1257	979.9121	979.7916	- 2.3
BB-26	36 55.6	96 39.1	1193	.9106	.7927	- 5.7
Kay BB-30	36 55.6	97 03.5	1151	979.9106	979.7833	- 19.0

County and Station No.	Latitude		Longitude		Elevation (feet)	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Cherokee	°		°					
CC-3	37	01.6	94	38.7	993	979.9193	979.8259	- 0.0
CC-4	37	01.6	94	42.9	816	.9193	.8371	- 5.4
CC-6	37	02.0	94	53.2	860	.9199	.8343	- 4.7
Lafayette								
CC-9	37	02.7	95	06.2	812	979.9209	979.8405	- 4.0
CC-11	37	02.7	95	17.2	924	.9209	.8364	+ 2.4
CC-12	37	01.8	95	26.9	840	.9196	.8341	- 6.5
Montgomery								
CC-14	37	01.9	95	34.5	723	979.9198	979.8499	- 1.9
CC-15	37	02.0	95	43.6	828	.9199	.8352	- 6.8
CC-17	37	02.0	95	49.6	901	.9199	.8296	- 5.6
Osage								
CC-20	37	00.0	96	11.2	910	979.9170	979.8314	- 0.0
Osage								
CC-26	36	59.9	96	38.9	1175	979.9169	979.7924	-14.0
Kay								
CC-30	36	59.9	97	02.6	1168	979.9169	979.7895	-16.5
Montgomery								
DD-18	37	06.7	95	56.1	769	979.9267	979.8463	- 8.1
Cherokee								
EE-3	37	10.7	94	39.2	896	979.9324	979.8428	- 5.3
EE-4	37	10.7	94	42.5	871	.9324	.8414	- 9.1
EE-6	37	10.7	94	53.3	923	.9324	.8347	-10.9
Labelle								
EE-9	37	10.7	95	06.2	811	979.9324	979.8553	- 0.8
EE-11	37	10.7	95	17.2	878	.9324	.8377	-12.1
EE-12	37	10.7	95	26.9	780	.9324	.8516	- 7.4
Montgomery								
EE-14	37	11.1	95	35.7	768	979.9330	979.8459	-14.9
EE-16	37	09.2	95	47.9	817	.9303	.8506	- 2.9
Montgomery								
FF-16	37	13.6	95	45.8	823	979.9367	979.8442	-15.1
FF-17	37	15.6	95	51.2	805	.9395	.8458	-18.0

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KANSAS

County and Station No.	Latitude		Longitude		Elevation (feet)	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Cherokee	°	'	°	'				
OG-4	37	19.4	94	39.0	895	979.9451	979.8446	+16.3
OG-6	37	19.4	94	49.9	947	.9451	.8432	+12.8
Labette								
OG-8	37	19.5	95	05.2	837	979.9452	979.8499	+16.6
OG-11	37	19.5	95	17.2	883	.9452	.8475	+14.6
Montgomery								
OG-13	37	20.4	95	32.3	851	979.9465	979.8500	+16.5
OG-15	37	19.6	95	42.5	840	.9453	.8486	+17.7
OG-17	37	19.7	95	51.2	894	.9455	.8439	+17.5
Crawford								
II-4	37	28.3	94	39.7	955	979.9580	979.8475	+20.7
II-6	37	28.3	94	49.8	972	.9580	.8497	+16.9
II-8	37	28.2	95	02.0	943	.9578	.8597	+11.3
Neosho								
II-10	37	28.2	95	16.2	996	979.9578	979.8498	+14.3
II-13	37	28.3	95	28.5	1033	.9580	.8482	+12.6
Wilson								
II-15	37	28.3	95	39.1	861	979.9580	979.8566	+20.4
II-17	37	28.4	95	50.0	985	.9581	.8493	+21.8
Crawford								
KK-4	37	37.0	94	39.8	890	979.9706	979.8629	+24.0
KK-6	37	36.1	94	49.8	1010	.9693	.8554	+18.8
KK-8	37	36.9	95	04.2	930	.9705	.8648	+18.2
Neosho								
KK-10	37	36.9	95	15.2	933	979.9705	979.8637	+19.0
KK-12	37	37.0	95	27.2	906	.9706	.8633	+22.1
Wilson								
KK-15	37	37.0	95	39.1	1019	979.9706	979.8563	+18.5
KK-17	37	37.1	95	50.0	918	.9707	.8591	+25.3
KK-18	37	37.1	95	55.4	1000	.9707	.8499	+26.7
Bourbon								
LL-6	37	43.1	94	52.2	993	979.9794	979.8652	+20.8
LL-8	37	43.1	95	03.1	1048	.9794	.8570	+23.8
Wilson								
LL-15	37	42.3	95	41.2	968	979.9783	979.8640	+23.2
LL-17	37	41.2	95	53.9	887	.9787	.8631	+30.2

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County and Station No.	Latitude		Longitude		Elevation (feet)	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Bourbon	°		°					
MS-41	37	46.5	94	42.3	990	979.9844	979.8771	-14.2
MS-4	37	46.5	94	39.5	869	.9844	.8838	-18.9
Allen								
MS-10	37	45.7	95	11.8	1044	979.9832	979.8636	-21.4
Woodson								
MS-14	37	47.5	95	34.6	1035	979.9858	979.8680	-20.4
MS-15	37	46.7	95	42.3	1058	.9847	.8640	-21.2
Bourbon								
MS-6	37	50.8	94	52.7	892	979.9907	979.8876	-19.2
Woodson								
MS-17	37	51.9	95	50.8	1065	979.9923	979.8687	-23.4
MS-18	37	50.3	95	56.8	1014	.9900	.8677	-26.9
Bourbon								
OO-4	37	53.5	94	39.5	892	979.9946	979.8881	-22.6
OO-6	37	54.7	94	49.4	872	.9964	.8907	-23.7
OO-8	37	54.4	95	03.7	1050	.9959	.8731	-24.0
Allen								
OO-9	37	54.4	95	10.3	1098	979.9959	979.8748	-17.8
OO-10	37	54.4	95	13.6	1044	.9959	.8786	-19.1
OO-12	37	55.4	95	22.4	970	.9974	.8907	-15.5
OO-13	37	55.4	95	28.0	1003	.9974	.8867	-16.4
Woodson								
OO-14	37	54.5	95	34.4	1000	979.9960	979.8790	-22.9
OO-16	37	56.3	95	44.2	1066	.9987	.8723	-26.1
Bourbon								
SP-1	37	58.8	94	42.8	858	980.0023	979.8938	-27.8
Linn								
OO-1	38	03.2	94	41.6	889	980.0088	979.8973	-27.9
OO-6	38	03.2	94	52.7	914	.0088	.8960	-26.8
OO-8	38	03.3	95	00.5	1056	.0089	.8839	-25.7
Anderson								
OO-10	38	03.2	95	14.6	1124	980.0088	979.8803	-22.8
OO-12	38	03.2	95	24.6	1036	.0088	.8920	-19.4

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County and Station No.	Latitude	Longitude	Elevation (feet)	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Coffey QQ-14	38° 03.2'	95° 36.6'	983	980.0088	979.8939	-22.4
Coffey RR-16	38 05.8	95 44.4	1029	980.0125	979.8924	-23.3
RR-18	38 06.0	95 55.4	1126	.0128	.8882	-18.7
Greenwood RR-19	38 06.9	96 04.1	1048	980.0142	979.8948	-20.8
RR-20	38 09.2	96 08.5	1077	.0175	.8960	-20.2
RR-21	38 07.9	96 13.4	1160	.0157	.8879	-18.7
Linn SS-4	38 11.0	94 40.6	880	980.0201	979.9072	-30.1
SS-6	38 11.4	94 50.6	1030	.0207	.8971	-26.7
SS-8	38 12.0	95 00.6	933	.0216	.9089	-24.9
Anderson SS-10	38 11.1	95 14.6	1136	980.0202	979.8913	-22.0
SS-13	38 10.2	95 27.8	1110	.0190	.8936	-21.0
Coffey SS-14	38 11.9	95 37.8	1027	980.0215	979.9003	-24.6
SS-16	38 12.8	95 44.4	1020	.0228	.9001	-26.8
Lyon SS-18	38 12.0	95 57.6	1182	980.0216	979.8895	-20.9
Linn TT-4	38 16.2	94 40.8	795	980.0277	979.9189	-34.0
TT-10						
Anderson County TT-10	38 17.3	---	1046	980.0293	979.9111	---
Coffey TT-15	38 18.2	95 44.9	1170	980.0307	979.9003	-20.3
Lyon TT-18	38 16.5	95 57.7	1081	980.0282	979.8988	-27.7
TT-20	38 16.6	96 10.9	1218	.0283	.8939	-19.8
Linn UU-4	38 20.6	94 40.8	868	980.0342	979.9226	-30.0
UU-6	38 20.6	94 51.3	942	.0342	.9208	-24.8
UU-8	38 20.6	95 00.8	1061	.0342	.9106	-23.8
Anderson UU-10	38 20.3	95 15.0	898	980.0338	979.9285	-20.8
UU-12	38 19.0	95 26.2	1001	.0318	.9186	-19.0

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County and Station No.	Latitude	Longitude	Elevation (feet)	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Coffey UU-14	38° 20.8'	95° 36.2'	1164	980.0345	979.9033	-21.7
Lyon UU-18	38 21.6	95 59.4	1077	980.0356	979.9053	-29.0
UU-21	38 19.2	96 15.8	1254	.0321	.8950	-19.1
Franklin VV-12	38 25.0	95 27.4	1062	980.0406	979.9222	-18.5
Coffey VV-14	38 24.3	95 36.2	1104	980.0396	979.9115	-24.3
VV-15A	38 24.3	95 44.9	1137	.0396	.9097	-23.0
VV-15	38 24.3	95 41.7	1085	.0396	.9138	-23.7
VV-17	38 24.4	95 51.6	1156	.0397	.9101	-20.9
Lyon VV-19	38 24.3	96 04.8	1156	980.0396	979.9021	-28.8
VV-20	38 24.3	96 09.2	1144	.0396	.9028	-29.2
VV-21	38 24.4	96 15.8	1147	.0397	.9100	-21.8
Miami WW-4	38 29.3	94 40.7	1060	980.0469	979.9265	-20.7
WW-6	38 29.4	94 51.4	828	.0471	.9434	-25.8
WW-8	38 29.9	95 00.8	909	.0478	.9340	-28.3
Franklin WW-9	38 29.5	95 08.6	1052	980.0472	979.9221	-26.1
WW-10	38 29.5	95 16.3	954	.0472	.9280	-29.5
WW-13	38 29.5	95 28.6	1128	.0472	.9183	-22.8
Osage WW-14	38 30.4	95 33.9	1081	980.0485	979.9204	-26.4
WW-15	38 29.5	95 41.7	1111	.0472	.9183	-24.4
WW-17	38 30.0	95 51.6	1065	.0479	.9206	-27.1
Byron WW-18	38 31.3	96 01.5	1147	980.0498	979.9161	-25.8
WW-19	38 31.3	96 05.9	1278	.0498	.9070	-22.6
WW-21	38 31.3	96 15.8	1166	.0498	.9201	-20.0
Franklin XX-10	38 35.0	95 16.3	931	980.0553	979.9410	-26.7

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County and Station No.	Latitude	Longitude	Elevation (feet)	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Miami						
YY-4	38° 38.2'	94° 40.6'	1123	980.0600	979.9404	-14.0
YY-6	38 38.2	94 51.4	944	.0600	.9496	-21.6
YY-8	38 38.2	95 01.8	1036	.0600	.9416	-21.0
Franklin						
YY-12	38 38.3	95 27.5	982	980.0601	979.9415	-26.2
Osage						
YY-15	38 38.2	95 41.1	1072	980.0600	979.9319	-27.3
YY-17	38 38.2	95 50.5	1103	.0600	.9330	-23.3
Lyon						
YY-18	38 39.1	95 59.7	1141	980.0612	979.9311	-22.8
YY-19	38 39.1	96 06.0	1184	.0612	.9273	-22.5
YY-21	38 39.7	96 16.8	1432	.0622	.9234	-4.1
Johnson						
AAA-4	38 46.0	94 40.1	1093	980.0714	979.9508	-17.8
AAA-6	38 46.0	94 49.1	1088	.0714	.9516	-17.5
AAA-7	38 48.6	94 54.6	1094	.0752	.9577	-14.6
AAA-8	38 47.0	95 01.2	1037	.0729	.9593	-16.1
Douglas						
AAA-9	38 47.1	95 06.9	1079	980.0730	979.9537	-17.8
AAA-10	38 47.1	95 16.3	1013	.0730	.9579	-19.8
AAA-12	38 47.0	95 24.0	1059	.0729	.9545	-18.8
Osage						
AAA-13	38 46.8	95 31.3	1162	980.0726	979.9440	-19.3
AAA-17	38 46.9	95 50.2	1099	.0728	.9448	-24.6
AAA-18	38 45.2	95 55.8	1136	.0702	.9407	-22.6
Waubaunsee						
AAA-19	38 47.9	96 05.8	1341	980.0742	979.9304	-17.7
Johnson						
BBB-4	38 50.4	94 40.1	1021	980.0779	979.9606	-21.3
BBB-5	38 52.9	94 47.8	1080	.0816	.9642	-15.8
Douglas						
BBB-9	38 52.3	95 05.8	913	980.0806	979.9734	-21.3
Waubaunsee						
BBB-19	38 53.1	96 05.3	1370	980.0818	979.9360	-16.9

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County and Station No.	Latitude	Longitude	Elevation (feet)	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (Mgals)
Johnson						
CCC-4	38° 56.5'	94° 40.1'	876	980.0868	979.9763	-28.1
CCC-8	38 56.5	95 02.4	889	.0868	.9805	-22.7
Douglas						
CCC-9	38 56.6	95 08.0	815	980.0869	979.9848	-25.4
CCC-10	38 55.7	95 15.8	854	.0856	.9804	-24.9
CCC-12A	38 55.3	95 27.4	1003	.0850	.9668	-23.9
CCC-12	38 55.3	95 25.7	874	.0850	.9759	-26.9
Shawnee						
CCC-15	38 54.7	95 41.4	1040	980.0842	979.9645	-21.9
CCC-17	38 54.3	95 52.8	1090	.0836	.9580	-23.1
Waubesaunsee						
CCC-18	38 57.8	95 58.0	1092	980.0887	979.9647	-24.3
Johnson						
DDD-6	38 58.6	94 51.2	1028	980.0899	979.9696	-23.6
DDD-7	38 58.7	94 57.6	781	.0900	.9879	-28.7
Leavenworth						
DDD-9	39 02.7	95 09.0	859	980.0960	979.9881	-27.1
Douglas						
DDD-10	38 59.9	95 14.1	821	980.0918	979.9867	-27.9
DDD-12	38 59.2	95 22.4	1052	.0908	.9725	-19.3
DDD-13	39 00.8	95 29.2	1112	.0931	.9754	-13.1
Shawnee						
DDD-15	38 58.7	95 41.4	1020	980.0900	979.9719	-22.2
DDD-17	39 00.8	95 52.8	976	.0931	.9788	-22.5
Wyandotte						
EEE-6	39 04.4	94 52.8	979	980.0984	979.9793	-27.0
Leavenworth						
EEE-7	39 07.0	94 56.8	963	980.1023	979.9807	-31.0
EEE-9	39 06.2	95 05.7	894	.1011	.9909	-26.1
Jefferson						
EEE-11	39 04.0	95 20.1	871	980.0978	979.9869	-29.0
EEE-13	39 04.7	95 28.5	872	.0988	.9900	-26.8
Shawnee						
EEE-15	39 05.2	95 40.3	883	980.0998	979.9872	-29.5
EEE-16	39 05.6	95 43.9	895	.1002	.9886	-27.4

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County and Station No.	Latitude	Longitude	Elevation (feet)	Theor. Grav. (gals)	Obs. Grav. (gals)	Free-air anomaly (mgals)
Wyandotte FFF-5	39° 07.0'	94° 45.6'	941	980.1023	979.9802	-33.6
Leavenworth FFF-9	39 08.3	95 07.5	1080	980.1042	979.9786	-24.0
Leavenworth GGG-7A	39 11.3	94 56.0	959	980.1086	979.9829	-35.5
GGG-7	39 12.1	94 54.0	953	.1098	.9848	-35.4
Jefferson GGG-11	39 12.6	95 18.8	1125	980.1105	979.9762	-28.5
GGG-13	39 13.9	95 32.3	1063	.1125	.9855	-27.0
Shawnee GGG-15	39 12.2	95 40.0	1142	980.1099	979.9802	-22.3
Leavenworth HHH-8	39 17.8	95 00.7	1059	980.1182	979.9837	-34.9
HHH-9	39 15.6	95 07.4	1036	.1149	.9851	-32.4
Leavenworth III-7	39 21.4	94 58.3	836	980.1235	980.0049	-40.0
Jefferson III-10	39 19.5	95 13.6	1115	980.1206	979.9851	-30.6
III-11	39 24.3	95 19.6	1150	.1278	.9917	-27.9
III-13	39 20.4	95 27.3	906	.1220	980.0056	-31.2
Atchison JJJ-9	39 25.1	95 05.0	1064	980.1289	980.0040	-24.8
JJJ-11A	39 27.7	95 15.2	998	.1328	.0091	-29.8
JJJ-11	39 27.7	95 19.7	1129	.1328	.0010	-25.6
Atchison KKK-9	39 32.5	95 07.5	893	980.1398	980.0195	-36.3

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