

MICROFILMED

TO

HERE

June/1979.

Contents

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- 2) Station elevation map. 2" = 1 mi.
- b) Grants Bouguer map 2" = 1 mi / CI 5 mg.
with direction of gravity lines
- c) Bouguer Grants Map by R B Crileske
2" = 1 mi, CI 0.2 mg.
- d) 3 plates Grants lines 1-4 } 2" = 1 mg.
- e) " " 5-8 } 1" = 50' vert.
- f) " " 9-12 } 2" = 1 mi horiz
- g) Residual Grants 2" = 1 mi, CI 0.2 mg

SURVEY AND FIELD PROCEDURE

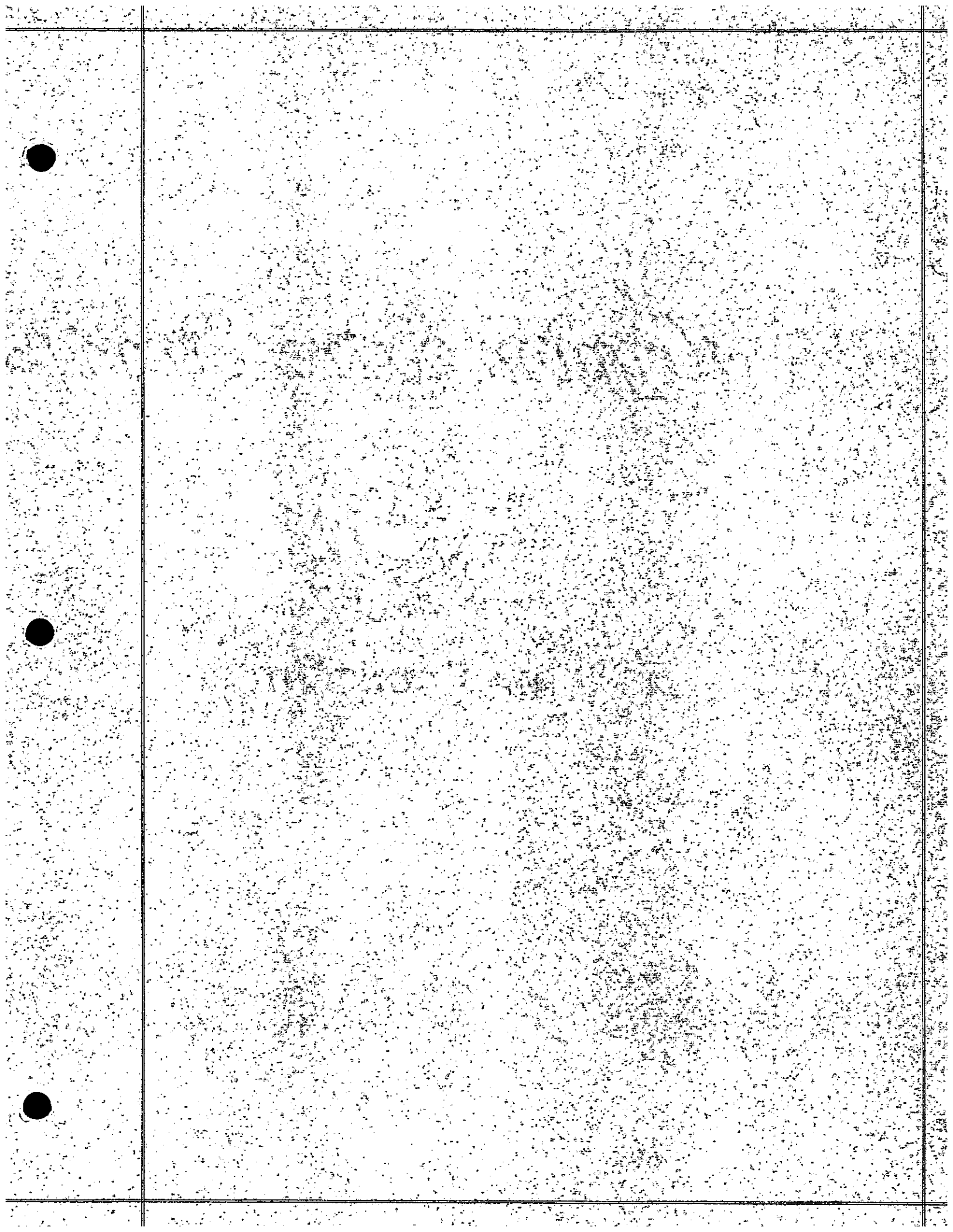
The topographic survey was carried out by transit with a vertical closure limit of one tenth of a foot per mile. Lines extending outside loops were double surveyed. Distances were measured by the Stadia method. Bearings were obtained by celestial observations.

Stations were located on an eight station per mile pattern. All elevation closure ties were adjusted to a zero closure and stations along any adjusted line absorbed the adjustment progressively so that there is no greater adjustment than 0.05 of a foot taken up between any two stations.

The gravity work was carried out with a Worden Master gravity meter using the repeat station check method whereby every new run from base contained several stations repeated from previous runs. This method continuously checks the repeatability of any station and it was found that the widest divergence for any repeat was 0.05 of a milligal with the majority falling in the 0.00 to 0.02 range. Diurnal control was established for the meter runs by checking the base station as many times as practical (at least twice) when metering was done on foot. Daily tidal effects were plotted from published tidal charts and corrected for the latitude and longitude. These corrections were then applied to the daily

readings. The mechanical drift of the meter was established by spot-checking stations by helicopter. It was found that on no station did the helicopter and ground value vary by more than 0.10 milligal, and most stations checked to 0.04 to 0.06 milligal. This check assured that the diurnal mechanical drift was a steady function.

A Bouguer Free Air correction factor of 0.0645 was used in correcting the gravity values.



GRAVITY SURVEY

OF THE

KASKATTAMA RIVER AREA

MANITOBA

FOR

HOUSTON OILS LIMITED

BY

OVERLAND EXPLORATION SERVICES LTD.

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INTRODUCTION

The Kaskattama River area lies in the province of Manitoba southwest of Hudson Bay. It is approximately 50 miles south of Cape Tatnam and 200 miles southeast of the port of Churchill. The center of the surveyed area is approximately longitude 90 degrees and 51 minutes west and latitude 56 degrees and 36 minutes north. All of the work performed in the field lay northwest of the Kaskattama River itself. There were 705 gravity stations surveyed and metered in approximately 90 miles of line.

Bouguer values were computed using an elevation correction factor of .0645. Since maximum elevation change within the area is less than 25 feet, this factor is quite appropriate. Bouguer values were plotted in map and profile form. Analysis of the data was based on the mapped Bouguer values and on residuals obtained both mathematically and graphically. Anomalies are discussed under the following sections.

MAGNETICS

A portion of the block 54 B Manitoba-Ontario airborne magnetometer survey was enlarged to the scale of the Kaskattama gravity maps. A sharp magnetic positive lineation exists in the southern part of the area trending roughly east-west. Depth to source of this trend is about 1 mile. A similar trend north of the area surveyed appears to have a shallower source. As both of these are basement effects, we would expect top of basement within the area surveyed to be shallower than one mile.

Two other basement anomalies occur within the area covered by the gravity survey. One with a broad dome-like shape, is in the central part. It's source may be as deep as two miles probably well within the basement. Gravity anomaly "A" (see Bouguer map) is apparently related to the same source. The second is a small feature in the eastern portion of the north part of the area. Depth is approximately 1 mile. Gravity anomaly "C" appears to be derived from the same source.

BOUGUER MAP

Bouguer values were smoothed and contoured at a 0.2 milligal interval. Gradient is southwest in the southern part and northeast in the northern part of the surveyed area. Bouguer anomaly "A", between the two parts and crossed by only one line, is on the axis of what appears to be a large, deep seated positive regional anomaly. Depth to source is 2 to 3 miles - well within the basement section. This depth estimate corresponds quite closely to one made for the source of the coincident magnetic anomaly, and establishes "A" as a deep intrabasement effect.

RESIDUALS

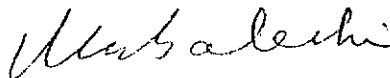
Residuals were computed for all stations within a half mile of the edge of the Bouguer contours. A template designed to suppress anomalies below one mile was used. Resulting values had too little relief for effective contouring. However, a significant number of positive values was obtained in the vicinity of the "D" anomaly (see residual map).

A residual map was actually constructed by graphical methods, and it is attached to this report. Residual positives "B", "C" and "D" can be seen on this map. "B" and "C" coincide roughly with local magnetic positives, and probably are caused by intrabasement changes. The "D" anomaly, however, does not seem to be related to any magnetic basement effects, and it has depth characteristics that suggest source of 0.6 mile or shallower. It could be the result of a local structural high on basement surface and in the overlying sediments.

SUMMARY

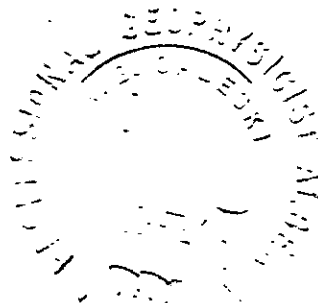
1. 90 miles of gravity line completed.
2. Gravity measurements are highly influenced by intrabasement changes.
3. Three local positives, "A", "B" and "C", were defined and related to intrabasement sources.
4. One positive, "D", exists in the north part of the area. It may be related to a structural high in the sedimentary section.

Respectfully submitted by:



ROBERT B. GALESKI, P. GEOPH.

RBG/jp



OVERLAND EXPLOSION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 4

Job Houston-Hudsons Bay-67-39

Inst. No. #806

Density

Date Sept. 19th, 1967.

Meter Const. 0.08340

Comb. Free Air-Corr. Const. .0645

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVATION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
Base 1	8:30	1064.9	-0	1064.9	281.00	18.12	+5.30	1000.00	1023.42			
201	8:35	1053.3	-0	1053.3	289.00	18.64	+5.57	999.03	1023.24			
202	8:40	1051.99	+1	1052.0	291.45	18.00	+5.62	998.92	1023.34			
203	8:45	1057.9	+1	1058.0	285.95	18.44	+5.70	999.42	1023.56			
204	8:50	1057.4	+1	1057.5	285.55	18.42	+5.79	999.38	1023.59			
205	8:55	1056.4	+2	1056.6	286.40	18.47	+5.88	999.31	1023.66			
206	9:00	1056.8	+2	1057.0	286.80	18.50	+5.90	999.34	1023.74			
207	9:05	1062.7	+2	1062.9	283.15	18.26	+5.90	999.83	1023.99			
208	9:10	1062.5	+3	1062.8	284.10	18.32	+5.90	999.82	1024.04			
209	9:15	1061.5	+3	1061.8	283.10	18.26	+5.88	999.74	1023.88			
210	9:30	1059.5	+5	1060.0	285.50	18.41	+5.78	999.59	1023.78			
211	9:35	1059.0	+5	1059.5	285.40	18.41	+5.89	999.55	1023.85			
212	9:40	1060.0	+6	1060.6	287.50	18.54	+5.83	999.64	1024.01			
213	9:45	1062.5	+6	1063.1	285.90	18.44	+5.72	999.85	1024.01			
214	9:50	1064.0	+7	1064.7	284.55	18.35	+5.60	999.98	1023.93			
215	9:55	1069.0	+7	1069.7	282.10	18.20	+5.48	1000.40	1024.00			
216	10:05	1078.9	+8	1079.7	276.00	17.80	+5.18	1001.23	1024.21			
217	10:10	1080.5	+8	1081.3	274.80	17.72	+4.94	1001.37	1024.03			
218	10:20	1081.3	+9	1082.2	276.20	17.81	+4.66	1001.44	1023.91			
219	10:30	1084.2	+10	1085.2	273.20	17.62	+4.49	1001.69	1023.80			
220	1:30	1083.5	+2.6	1086.1	273.80	17.66	+4.30	1001.77	1023.73			
221	1:45	1083.4	+2.8	1086.2	275.50	17.77	+4.30	1001.78	1023.85			

OVERLAND EXPLOSION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 5

Job Houston-Hudsons Bay-67-39

Inst. No. #806

Density

Date Sept. 19th, 1967.

Meter Const. 0.08340

Comb. Free Air-Corr. Const. .0645

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVA-TION	COMB. CORR.	IAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
222	1:50	1091.3	+2.8	1094.1	271.90	17.54	+4.20	1002.44	1024.18			
R 206	3:40	1054.0	+3.7	1057.7	286.80	18.50	+5.90	999.40	1023.80			
Base 1	4:30	1060.7	+4.2	1064.9	281.00	18.12	+5.30	1000.00	1023.62			
32	10:38	1089.5	+1.1	1090.6	274.55	17.71	+4.30	1002.14	1024.15			
33	10:42	1093.4	+1.1	1094.5	274.40	17.70	+4.31	1002.47	1024.48			
34	10:48	1096.3	+1.2	1097.5	275.10	17.74	+4.08	1002.72	1024.54			
35	10:53	1099.4	+1.2	1100.6	274.95	17.73	+3.89	1002.96	1024.60			
36	10:59	1105.3	+1.3	1107.1	274.80	17.72	+3.52	1003.52	1024.76			
37	11:04	1109.3	+1.3	1110.6	274.50	17.71	+3.33	1003.81	1024.85			
38	11:10	1112.0	+1.4	1113.4	275.15	17.75	+3.16	1004.04	1024.96			
39	11:16	1115.9	+1.4	1117.3	275.45	17.77	+2.92	1004.37	1025.06			
40	11:22	1118.7	+1.5	1120.2	275.30	17.76	+2.73	1004.61	1025.10			
41	11:30	1116.7	+1.5	1118.2	275.80	17.79	+2.76	1004.45	1025.00			
42	11:38	1113.3	+1.6	1114.9	276.05	17.81	+2.89	1004.17	1024.87			
43	11:45	1112.2	+1.7	1114.0	275.50	17.77	+2.99	1004.09	1024.85			
44	11:51	1111.2	+1.7	1112.9	275.45	17.77	+3.02	1004.00	1024.79			
45	12:00	1108.4	+1.8	1110.2	275.30	17.76	+3.19	1003.78	1024.73			
46	12:09	1104.1	+1.9	1106.0	275.75	17.79	+3.43	1003.43	1024.65			
47	12:20	1101.5	+2.0	1103.5	274.65	17.71	+3.67	1003.22	1024.60			
48	12:28	1101.4	+2.1	1103.5	274.50	17.71	+3.72	1003.22	1024.65			
49	2:10	1098.2	+2.9	1101.1	274.20	17.67	+3.71	1003.02	1024.40			

OVERLAND EXPLOSION SERVICES LTD.
GRAVITY METER CALCULATION SHEETJob n Houston-Hudsons Ray-67-39Inst. No. 4806

Density _____

Date Sept. 20th, 1967.Meter Const. 0.08340Comb. Free Air-Corr. Const. .0645

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVA-TION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
Base 1	7:50	1079.4	0	1079.4	281.00	18.12	+5.30	1000.00	1023.42			
487	8:35	1078.1	-1	1078.0	287.40	18.54	+5.69	999.88	1024.11			
488	8:41	1079.9	-1	1079.8	286.90	18.50	+5.50	1000.03	1024.03			
489	8:49	1082.1	-1	1082.0	286.35	18.47	+5.30	1000.22	1023.99			
490	8:55	1085.1	-1	1085.0	285.75	18.43	+5.12	1000.47	1024.02			
491	9:03	1090.0	-1	1089.9	285.20	18.40	+4.92	1000.88	2024.20			
492	9:09	1095.0	-1	1094.9	282.80	18.24	+4.70	1001.29	1024.23			
493	9:15	1101.0	-2	1100.8	281.60	18.16	+4.49	1001.78	1024.43			
494	9:23	1104.6	-2	1104.4	281.45	18.15	+4.32	1002.08	1024.55			
495	9:30	1107.7	-2	1107.5	280.30	18.08	+4.18	1002.34	1024.60			
496	9:38	1112.1	-2	1111.9	277.10	17.87	+4.08	1002.71	1024.66			
497	9:45	1114.9	-2	1115.1	276.40	17.82	+3.99	1002.98	1024.80			
498	9:52	1115.7	-2	1115.5	277.80	17.92	+3.90	1003.01	1024.83			
499	10:00	1090.1	-2	1089.9	278.05	19.93	+3.83	1000.88	1024.64			
499a	10:07	1083.1	-2	1082.9	275.00	17.74	+3.70	1000.29	1024.73			
R 36	10:15	1122.5	-2	1122.3	274.80	17.72	+3.53	1003.58	1024.83			
486	10:46	1134.2	-1	1134.1	275.20	17.75	+2.94	1004.56	1025.25			
485	10:54	1137.2	-1	1137.1	276.00	17.80	+2.80	1004.81	1025.41			
484	11:01	1139.8	-1	1139.7	276.20	17.81	+2.69	1005.03	1025.53			
483	11:09	1140.7	-1	1140.6	275.90	17.80	+2.60	1005.10	1025.50			
482	11:17	1141.6	-1	1141.5	277.40	17.89	+2.58	1005.18	1025.65			
481	11:24	1141.4	0	1141.4	278.35	17.95	+2.49	1005.17	1025.61			
480	11:31	1141.0	0	1141.0	279.05	18.00	+2.40	1005.14	1025.54			

OVERLAND EXPLORATION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 8

Job Houston-Hudsons Bay-67-39

Inst. No. #806

Density

Date Sept. 20th, 1967.

Meter Const. 0.08340

Comb. Free Air-Corr. Const. .0645

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVATION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
479	11:40	1140.1	0	1140.1	280.55	18.10	+2.32	1005.6	1025.48			
478	11:48	1146.7	0	1146.7	280.45	18.09	+2.20	1005.61	1025.40			
477	11:56	1142.3	0	1142.3	281.30	18.14	+2.00	1005.25	1025.33			
476	12:05	144.2	0	1144.2	280.25	18.08	+1.82	1005.40	1025.30			
475	12:50	1146.2	+2	1146.4	280.15	18.07	+1.66	1005.59	1025.32			
474	12:59	1149.4	+2	1149.6	279.65	18.04	+1.51	1005.85	1025.40			
473	1:07	1150.6	+2	1150.8	280.75	18.11	+1.41	1005.95	1025.47			
472	1:15	1153.1	+3	1153.4	279.50	18.03	+1.32	1006.17	1025.52			
471	1:22	1153.9	+3	1154.2	279.10	18.00	+1.28	1006.24	1025.52			
470	1:30	1157.5	+3	157.8	275.45	17.77	+1.18	1006.54	1025.49			
469	1:37	1155.7	+3	1156.0	278.85	17.99	+1.09	1006.39	1025.47			
468	1:45	1157.2	+3	1157.5	279.05	18.00	+0.97	1006.51	1025.48			
467	1:53	1161.5	+4	1161.9	276.40	17.83	+0.80	1006.88	1025.51			
466	2:01	1165.6	-5	1165.1	275.20	17.75	+0.60	1007.15	1025.50			
429	2:10	1166.8	-5	1166.3	274.80	17.72	+0.48	1007.25	1025.45			
430	2:18	1169.7	-5	1169.2	275.15	17.75	+0.29	1007.49	1025.53			
431	2:24	1171.4	+5	1171.9	275.60	17.78	+0.10	1007.71	1025.59			
432	2:33	1173.5	+6	1174.1	275.10	17.74	-0.06	1007.90	1025.70			
R 430	3:05	1168.8	+7	1169.5	275.15	17.75	+0.29	1007.51	1025.55			
428	3:15	1161.2	+8	1162.0	276.40	17.83	+0.68	1006.89	1025.40			
427	3:23	1158.8	+8	1159.6	276.75	17.85	+0.83	1006.69	1025.37			
426	3:30	1154.4	+9	1155.3	277.95	17.93	+0.98	1006.33	1025.24			
425	3:37	1151.3	+9	1152.2	279.00	18.00	+1.12	1006.07	1025.19			

OVERLAND EXPLORATION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 10

Job Houston-Hudson Bay- 67-39

Inst. No. #806

Density

Date Sept. 21st., 1967.

Meter Const. 0.08340

Comb. Free Air-Corr. Const. .0645

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVATION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
Base 1	10:35	1083.3	0	1083.3	281.00	18.12	+5.30	1000.00	1023.42			
223	10:50	1073.7	-0.1	1073.6	287.70	18.56	+5.25	999.19	1023.00			
224	10:55	1076.5	-0.1	1076.4	283.10	18.26	+5.24	999.42	1022.92			
225	11:00	1069.0	-0.1	1068.9	286.85	18.50	+5.29	998.81	1022.60			
226	11:05	1071.8	-0.2	1071.6	282.90	18.25	+5.31	999.02	1022.58			
227	12:00	1065.8	-0.6	1065.2	283.90	18.31	+5.60	998.49	1022.40			
228	12:05	1060.0	-0.6	1059.4	288.90	18.63	+5.79	998.01	1022.43			
229	12:07	1062.3	-0.7	1061.6	283.50	18.29	+5.89	998.19	1022.37			
230	12:10	1057.2	-0.7	1056.5	289.60	18.68	+5.78	997.76	1022.22			
231	12:15	1056.4	-0.7	1055.7	286.15	18.46	+5.73	997.70	1021.89			
232	12:20	1055.0	-0.8	1054.2	287.50	18.54	+5.70	997.57	1021.81			
233	12:25	1053.2	-0.8	1052.4	286.60	18.49	+5.69	997.42	1021.60			
Base 1	5:00	1085.5	-2.2	1083.3	281.00	18.12	+5.30	1000.00	1023.42			
	Small lake											
R 226	11:05	1071.0	-0.2	1070.8	283.90	18.31	+5.31	998.96	1022.58			
60	11:10	1077.0	-0.2	1066.8	284.90	18.38	+5.50	998.62	1022.50			
61	11:15	1064.8	-0.2	1064.6	284.80	18.37	+5.75	998.44	1022.56			
62	11:25	1065.9	-0.3	1065.6	283.70	18.30	+5.91	998.52	1022.73			
63	11:35	1061.9	-0.4	1061.5	284.40	18.34	+5.90	998.18	1022.42			
64	11:40	1066.3	-0.5	1065.8	284.15	18.33	+5.78	998.54	1022.65			
65	11:50	1066.1	-0.5	1065.6	284.60	18.36	+5.68	998.52	1022.56			
R 227	12:00	1065.8	-0.6	1065.2	283.90	18.31	+5.60	998.49	1022.40			

OVERLAND EXPLORATION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 13

Job Houston-Hudsons Bay-67-39

Inst. No. 1806

Density

Date Sept. 22nd., 1967.

Meter Const. 0.08340

Comb. Free Air-Corr. Const. .0643

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVA-TION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
Base 1	7:30	1111.3	0	1111.3	281.00	18.12	+5.30	1000.00	1023.42			
400	8:42	1101.2	-.1	1101.1	285.40	18.41	+5.12	999.15	1022.68			
401	8:50	1103.0	-.1	1102.9	285.70	18.43	+4.98	999.30	1022.71			
402	8:58	1102.9	-.1	1102.8	285.85	18.44	+4.90	999.29	1022.63			
403	9:05	1103.9	-.1	1103.8	286.45	18.48	+4.80	999.37	1022.65			
404	9:12	1104.2	-.1	1104.1	286.55	18.48	+4.70	999.40	1022.58			
405	9:21	1105.8	-.1	1105.7	286.10	18.45	+4.55	999.53	1022.53			
406	9:29	1107.8	-.1	1107.7	284.90	18.38	+4.43	999.70	1022.51			
407	9:36	1107.1	-.1	1107.0	287.05	18.51	+4.33	999.64	1022.48			
408	9:43	1110.2	-.2	1110.0	285.60	18.42	+4.22	999.89	1022.53			
409	9:50	1113.8	-.2	1113.6	284.30	18.34	+4.08	1000.19	1022.61			
410	9:57	1120.1	-.2	1119.9	284.20	18.33	+3.88	1000.72	1022.93			
411	10:03	1124.8	-.2	1124.6	285.25	18.40	+3.69	1001.11	1023.20			
R 412	10:10	1133.2	-.2	1133.0	283.95	18.31	+3.48	1001.81	1023.60			
R 410	10:27	1120.8	-.3	1120.5	284.20	18.33	+3.88	1000.77	1022.98			
439	10:34	1120.5	-.3	1120.2	285.10	18.39	+3.75	1000.74	1022.88			
440	10:41	1119.9	-.3	1119.6	284.55	18.35	+3.73	1000.69	1022.77			
441	10:49	1121.7	-.3	1121.4	284.70	18.36	+3.70	1000.84	1022.90			
442	10:58	1121.2	-.3	1120.9	286.15	18.46	+3.64	1000.80	1022.90			
443	11:06	1124.1	-.3	1123.8	284.85	18.37	+3.58	1001.04	1022.99			
444	11:15	1124.3	-.3	1124.0	286.10	18.45	+3.52	1001.06	1023.03			
445	11:22	1125.6	-.4	1125.2	286.90	18.50	+3.49	1001.16	1023.15			

OVERLAND EXPLORATION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 14

Job Houston-Hudsons Bay-67-39

Inst. No. 4806

Density

Date Sept. 22nd., 1967.

Meter Const. 0.08340

Comb. Free Air-Corr. Const. .0645

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVA-TION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
446	11:30	1127.6	-.4	1127.2	286.70	18.49	+3.43	1001.33	1023.25			
447	11:38	1127.6	-.4	1127.2	287.65	18.55	+3.40	1001.33	1023.28			
448	11:45	1130.1	-.4	1129.7	288.05	18.58	+3.39	1001.53	1023.50			
449	11:53	1134.4	-.4	1134.0	287.50	18.54	+3.30	1001.89	1023.73			
450	12:01	1139.0	-.5	1138.5	287.20	18.52	+3.21	1002.27	1024.00			
451	12:09	1141.6	-.5	1141.1	287.00	18.51	+3.09	1002.49	1024.09			
452	12:17	1147.4	-.5	1146.9	286.45	18.48	+2.97	1002.97	1024.42			
453	12:24	1151.8	-.5	1151.3	286.60	18.49	+2.80	1003.34	1024.63			
454	12:32	1158.8	-.5	1158.3	285.95	18.44	+2.64	1003.92	1025.00			
455	12:42	1156.9	-.6	1156.3	285.90	18.44	+2.74	1003.76	1024.94			
456	12:50	1156.0	-.6	1155.4	284.80	18.43	+2.84	1003.68	1024.95			
457	12:58	1155.4	-.6	1154.8	284.30	18.40	+2.98	1003.63	1025.01			
458	1:06	1151.6	-.7	1150.9	284.40	18.41	+3.19	1003.30	1024.90			
459	1:16	1152.4	-.7	1151.7	284.75	18.37	+3.22	1003.37	1024.96			
460	1:23	1153.1	-.7	1152.4	284.50	18.35	+3.20	1003.43	1024.98			
461	1:30	1157.0	-.8	1156.2	284.50	18.35	+3.08	1003.74	1025.17			
462	1:38	1163.2	-.8	1162.4	284.70	18.36	+2.88	1004.26	1025.50			
463	1:45	1164.9	-.8	1164.1	285.25	18.40	+2.72	1004.40	1025.52			
464	1:53	1166.9	-.9	1166.0	284.90	18.37	+2.59	1004.56	1025.52			
465	2:02	1162.0	-.9	1161.1	285.00	18.38	+2.79	1004.15	1025.32			
466	2:10	1159.1	-1.0	1158.1	284.00	18.32	+2.90	1003.90	1025.12			
467	2:21	1157.4	-1.1	1156.3	284.30	18.34	+2.98	1003.75	1025.07			
Base 1	4:55	1113.2	-1.9	1111.3	281.00	18.12	+5.30	1000.00	1023.42			

OVERLAND EXPLORATION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 16

Job Houston-Hudsons Bay-67-39 Inst. No. #806 Density _____

Date Sept. 26th, 1967. Meter Const. 0.08340 Comb. Free Air-Corr. Const. .0645

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVATION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
Base 2	7:45	1289.0	0	1289.0	271.00	17.48	-7.27	1013.60	1023.81			
R 432	11:45	1223.3	-.4	1222.9	275.10	17.74	-0.06	1008.09	1025.77			
433	12:03	1226.9	-.4	1226.5	275.00	17.74	-0.25	1008.39	1025.88			
434	12:12	1230.0	-.4	1229.6	275.80	17.79	-0.44	1008.65	1026.00			
435	12:20	1233.4	-.4	1233.0	275.15	17.75	-0.63	1008.93	1026.05			
436	12:27	1237.3	-.4	1236.9	274.70	17.72	-0.82	1009.25	1026.15			
437	12:35	1243.1	-.4	1242.7	271.50	17.51	-0.98	1009.74	1026.27			
438	12:43	1247.8	-.4	1247.4	268.45	17.32	-1.20	1010.13	1026.25			
534	12:56	1249.7	-.4	1249.3	267.95	17.29	-1.34	1010.29	1026.24			
533	1:05	1251.0	-.4	1250.6	268.80	17.34	-1.47	1010.40	1026.27			
532	1:12	1246.2	-.4	1245.8	275.35	17.76	-1.58	1010.00	1026.18			
531	1:20	1247.8	-.4	1247.4	276.10	17.81	-1.69	1010.13	1026.25			
530	1:29	1247.8	-.4	1247.4	276.80	17.85	-1.77	1010.13	1026.21			
529	1:37	1249.6	-.4	1249.2	277.55	17.90	-1.88	1010.28	1026.30			
528	1:45	1249.7	-.5	1249.2	278.05	17.93	-1.93	1010.28	1026.28			
527	1:56	1250.3	-.5	1249.8	277.85	17.92	-2.02	1010.33	1026.23			
526	2:02	1250.6	-.5	1250.1	277.30	17.89	-2.08	1010.36	1026.17			
525	2:11	1251.6	-.5	1251.1	277.25	17.88	-2.14	1010.44	1026.18			
524	2:20	1253.8	-.5	1253.3	275.40	17.76	-2.22	1010.62	1026.16			
523	2:30	1252.2	-.5	1251.7	274.90	17.73	-2.13	1010.49	1026.09			
522	2:38	1250.4	-.6	1249.8	275.65	17.78	-2.03	1010.33	1026.08			
521	2:46	1249.1	-.6	1248.5	276.30	17.82	-2.03	1010.22	1026.01			
520	2:55	1247.9	-.6	1247.3	276.90	17.86	-2.08	1010.12	1025.90			

OVERLAND EXPLORATION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 18

Job Houston-Hudsons Bay-67-39 Inst. No. #806 Density

Meter Const. 0.08340 Comb. Free Air-Corr. Const. .0645

Date Sept. 27th, 1967.

SIN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVATION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
	Mood Lake											
Base 2	9:30	1291.5	0	1291.5	271.00	17.48	-7.27	1013.60	1023.81			
95	9:36	1289.9	0	1289.9	271.80	17.53	-7.13	1013.47	1023.87			
96	9:42	1290.3	-.1	1290.2	271.00	17.48	-7.00	1013.49	1023.97			
97	9:46	1289.6	-.2	1289.4	271.00	17.48	-6.83	1013.42	1024.07			
98	9:52	1289.6	-.2	1289.4	271.00	17.48	-6.72	1013.42	1024.18			
98	9:56	1288.3	-.3	1288.0	272.45	17.57	-6.66	1013.31	1024.22			
100	10:01	1288.0	-.4	1287.6	271.50	17.51	-6.62	1013.27	1024.16			
101	10:15	1287.0	-.6	1286.4	275.00	17.74	-6.70	1013.17	1024.21			
102	10:25	1291.0	-.7	1290.3	272.00	17.54	-6.80	1013.50	1024.24			
103	10:30	1290.4	-.8	1289.6	273.90	17.67	-6.94	1013.44	1024.17			
104	10:35	1291.8	-.8	1291.0	273.00	17.61	-7.15	1013.56	1024.02			
105	10:45	1294.2	-.9	1293.3	272.00	17.54	-7.25	1013.75	1024.04			
106	10:51	1296.6	-1.0	1295.6	274.35	17.69	-7.48	1013.94	1024.15			
107	11:05	1300.0	-1.1	1298.9	272.00	17.54	-7.70	1014.22	1024.06			
108	11:10	1301.2	-1.1	1300.1	271.00	17.48	-7.83	1014.32	1023.97			
109	11:15	1300.0	-1.1	1298.9	272.50	17.58	-8.02	1014.22	1023.78			
110	11:30	1301.2	-1.2	1300.0	271.00	17.48	-8.18	1014.31	1023.61			
	Cut off From Mood Lake to Mich Lake											
111	11:35	1299.9	-1.2	1298.7	274.55	17.70	-8.32	1014.20	1023.58			
112	11:40	1302.7	-1.2	1301.5	274.80	17.72	-8.50	1014.43	1023.65			
113	11:45	1305.9	-1.2	1304.7	275.35	17.76	-8.50	1014.70	1023.96			

OVERLAND EXPLORATION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 19

Job Houston-Hudson Bay-67-39

Inst. No. 4806

Density

Date Sept. 27th, 1967.

Meter Const. 0.06340

Comb. Free Air-Corr. Const. .0645

STW	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVATION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
114	11:55	1305.7	-1.2	1304.5	275.90	17.79	-8.40	1014.68	1024.07			
115	12:00	1306.5	-1.1	1305.4	275.25	17.76	-8.22	1014.76	1024.30			
116	12:05	1308.5	-1.1	1307.4	274.60	17.71	-8.25	1014.93	1024.39			
	Mich Lake											
117	12:15	1312.8	-1.0	1311.8	273.35	17.63	-8.39	1015.29	1024.53			
118	12:30	1311.8	-1.0	1310.8	273.90	17.67	-8.27	1015.21	1024.61			
119	12:40	1311.7	-1.0	1310.7	276.15	17.81	-8.30	1015.20	1024.71			
120	12:50	1313.7	-1.0	1314.7	274.70	17.72	-8.49	1015.53	1024.76			
121	1:30	1314.5	-1.0	1313.5	276.00	17.80	-8.60	1015.43	1024.63			
122	1:36	1318.5	-1.1	1317.4	274.60	17.71	-8.70	1015.76	1024.77			
123	1:47	1318.0	-1.1	1316.9	274.45	17.70	-8.62	1015.72	1024.80			
124	1:53	1318.8	-1.1	1317.7	275.00	17.74	-8.68	1015.78	1024.84			
125	2:00	1326.5	-1.1	1325.4	274.00	17.67	-8.85	1016.43	1025.25			
126	2:10	1327.0	-1.1	1325.9	276.00	17.80	-9.02	1016.47	1025.25			
127	2:20	1327.5	-1.1	1326.4	278.55	17.97	-9.10	1016.51	1025.38			
128	2:30	1327.0	-1.1	1325.9	279.00	18.00	-8.93	1016.47	1025.54			
129	2:40	1331.3	-1.1	1330.2	273.15	17.62	-8.64	1016.83	1025.61			
130	2:50	1324.4	-1.1	1323.3	276.40	17.83	-8.66	1016.25	1025.42			
131	3:00	1323.9	-1.1	1322.8	274.75	17.72	-8.56	1016.21	1025.37			
132	3:15	1323.8	-1.2	1322.6	273.05	17.61	-8.40	1016.19	1025.40			
133	3:25	1322.3	-1.2	1321.1	274.90	17.73	-8.30	1016.07	1025.50			
134	3:30	1324.2	-1.2	1323.0	273.00	17.61	-8.33	1016.23	1025.51			

OVERLAND EXPLORATION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 21

Job Houston-Hudsons Bay-67-39

Inst. No. #806

Density

Date Sept. 28th, 1967.

Meter Const. 0.08340

Comb. Free Air-Corr. Const. .0645

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVATION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
Base 2	6:00	1299.0	0	1299.0	271.00	17.48	-7.27	1013.60	1023.81			
R 151	8:40	1337.0	-1	1336.9	272.00	17.54	-8.51	1016.76	1025.79			
152	8:45	1337.2	-1	1337.1	272.00	17.58	-8.62	1016.78	1025.74			
153	8:50	1339.0	-1	1338.9	272.00	17.54	-8.89	1016.93	1025.58			
154	9:00	1340.5	-1	1340.4	272.00	17.54	-9.12	1017.05	1025.47			
155	9:05	1339.7	-1	1339.6	273.10	17.61	-9.28	1016.99	1025.32			
156	9:10	1338.9	-1	1338.8	276.35	17.82	-9.43	1016.92	1025.31			
157	9:17	1343.0	-1	1342.9	272.00	17.54	-9.46	1017.26	1025.34			
158	9:30	1343.0	0	1343.0	273.00	17.61	-9.60	1017.27	1025.28			
159	9:40	1342.0	0	1342.0	273.15	17.62	-9.80	1017.18	1025.00			
160	9:50	1339.2	0	1339.2	275.80	17.79	-9.96	1016.95	1024.78			
161	10:00	1340.1	0	1340.1	274.25	17.69	-10.12	1017.03	1024.60			
162	10:05	1340.1	0	1340.1	275.75	17.79	-10.25	1017.03	1024.57			
163	10:10	1341.3	0	1341.3	272.60	17.58	-10.38	1017.13	1024.33			
164	11:30	1342.9	+2	1343.1	272.10	17.55	-10.36	1017.28	1024.47			
165	11:45	1340.8	+3	1341.1	273.15	17.62	-10.50	1017.11	1024.23			
166	11:50	1340.9	+3	1341.2	273.85	17.66	-10.67	1017.12	1024.11			
167	12:00	1340.2	+3	1340.5	273.40	17.63	-10.70	1017.06	1023.99			
168	12:05	1337.0	+4	1337.4	273.00	17.61	-10.90	1016.80	1023.51			
169	12:15	1336.8	+4	1337.2	273.00	17.61	-11.05	1016.79	1023.35			
170	12:25	1337.4	+4	1337.8	273.00	17.61	-11.01	1016.84	1023.44			
171	12:30	1335.6	+5	1336.1	273.00	17.61	-10.82	1016.69	1023.48			
172	12:35	1336.3	+5	1336.8	273.00	17.61	-10.62	1016.75	1023.54			
173	12:40	1336.3	+5	1336.8	273.00	17.61	-10.68	1016.75	1023.68			

OVERLAND EXPLORATION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 22

Job Houston-Hudsons Bay-67-39

Inst. No. #906

Density

Date Sept. 28th, 1967.

Meter Const. 0.08340

Comb. Free Air-Corr. Const. .0645

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVATION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
174	12:45	1339.4	+6	1340.0	273.50	17.64	-10.60	1017.02	1024.06			
175	12:55	1340.2	+6	1340.8	272.90	17.60	-10.56	1017.09	1024.13			
176	1:00	1339.5	+6	1340.1	273.30	17.62	-10.51	1017.03	1024.14			
177	1:10	1340.5	+7	1341.2	273.75	17.66	-10.58	1017.12	1024.20			
178	1:20	1340.3	+7	1341.0	273.90	17.67	-10.42	1017.10	1024.35			
179	1:30	1341.0	+8	1341.8	273.00	17.61	-10.42	1017.17	1024.36			
180	1:35	1340.0	+8	1340.8	274.05	17.67	-10.49	1017.09	1024.27			
181	1:40	1338.1	+8	1338.9	274.00	17.67	-10.56	1016.93	1024.04			
182	1:45	1332.8	+8	1333.6	274.00	17.67	-10.83	1016.49	1023.33			
183	1:50	1332.6	+8	1333.4	275.10	17.74	-10.93	1016.47	1023.28			
184	2:00	1334.6	+9	1335.5	274.00	17.67	-11.10	1016.64	1023.21			
185	2:05	1331.4	+9	1332.3	274.00	17.67	-11.22	1016.38	1022.83			
186	2:15	1327.0	+9	1327.9	274.40	17.70	-11.41	1016.01	1022.30			
187	3:05	1323.2	+1.2	1324.4	274.00	17.67	-11.51	1015.72	1021.88			
188	3:20	1324.8	+1.2	1326.0	274.10	17.68	-11.33	1015.86	1022.20			
189	3:30	1324.5	+1.3	1325.8	274.00	17.67	-11.20	1015.84	1022.31			
190	3:25	1325.5	+1.3	1326.8	273.80	17.66	-11.03	1015.92	1022.55			
191	3:40	1327.1	+1.3	1328.4	272.00	17.54	-10.91	1016.05	1022.68			
192	3:50	1328.6	+1.3	1329.9	272.05	17.54	-10.79	1016.18	1022.93			
193	3:55	1327.9	+1.3	1329.2	272.00	17.54	-10.61	1016.12	1023.05			
194	4:00	1328.5	+1.3	1329.8	271.95	17.54	-10.45	1016.17	1023.26			
195	4:05	1328.4	+1.3	1329.7	273.00	17.61	-10.32	1016.16	1023.45			
196	4:10	1325.2	+1.4	1326.6	275.00	17.74	-10.10	1015.90	1023.54			
197	4:15	1325.4	+1.4	1326.8	275.00	17.74	-9.94	1015.92	1023.72			

OVERLAND EXPLORATION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 24

Job Houston-Hudsons Bay-67-39

Inst. No. #806

Density

Date Sept. 29th, 1967.

Meter Const. 0.08340

Comb. Free Air-Corr. Const. .0645

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVATION	COMB. CORR.	IAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
Base 2	2:25	1299.5	0	1299.5	272.00	17.48	-7.27	1013.60	1023.81			
R 110	2:36	1308.8	-.1	1308.7	271.00	17.48	-8.18	1014.37	1023.67			
307	2:42	1308.00	-.3	1307.7	272.00	17.54	-8.35	1014.28	1023.47			
308	2:46	1306.0	-.4	1305.6	273.30	17.63	-8.40	1014.11	1023.34			
309	2:50	1306.0	-.5	1305.5	272.00	17.54	-8.30	1014.10	1023.34			
310	2:54	1301.4	-.5	1300.9	272.80	17.60	-8.10	1013.72	1023.22			
311	2:58	1300.1	-.6	1299.5	272.50	17.58	-7.99	1013.60	1023.19			
312	3:04	1296.0	-.7	1295.3	272.50	17.58	-7.80	1013.25	1023.03			
313	3:19	1298.5	-.9	1297.6	272.00	17.54	-7.67	1013.44	1023.31			
314	3:22	1297.8	-.9	1296.9	272.50	17.58	-7.47	1013.38	1023.49			
Base 2	3:28	1300.5	-1.0	1299.5	272.00	17.48	-7.27	1013.60	1023.81			

OVERLAND EXPLORATION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 25

Job Houston-Hudsons Bay-67-39 Inst. No. #806 Density

Date Oct. 1st., 1967.

Meter Const. 0.08340

Comb. Free Air-Corr. Const. .0645

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVATION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
Base 2	9:30	1319.6	0	1319.6	270.00	17.48	-7.27	1013.60	1023.81			
250	9:35	1314.5	0	1314.5	275.10	17.74	-7.25	1013.17	1023.66			
251	9:40	1317.0	-.1	1316.9	273.10	17.61	-7.28	1013.37	1023.70			
252	9:45	1317.1	-.1	1317.0	273.90	17.67	-7.02	1013.38	1024.03			
253	9:50	1315.9	-.2	1315.7	275.70	17.78	-7.00	1013.27	1024.05			
254	9:55	1319.1	-.2	1318.9	271.75	17.53	-6.83	1013.54	1024.24			
255	10:00	1316.5	-.2	1316.3	272.85	17.60	-6.75	1013.32	1024.17			
256	10:05	1321.0	-.3	1320.7	268.80	17.34	-6.75	1013.69	1024.28			
257	10:10	1317.6	-.3	1317.3	272.55	17.58	-6.71	1013.41	1024.28			
258	10:16	1316.3	-.3	1316.0	273.60	17.65	-6.73	1013.30	1024.22			
259	10:22	1316.7	-.3	1316.4	273.15	17.62	-6.73	1013.33	1024.22			
260	10:30	1317.5	-.3	1317.2	271.95	17.54	-6.77	1013.40	1024.17			
261	10:38	1317.4	-.4	1317.0	271.50	17.51	-6.80	1013.38	1024.89			
262	10:45	1317.4	-.4	1317.0	271.50	17.51	-6.78	1013.38	1024.11			
263	10:52	1317.3	-.4	1316.9	270.75	17.46	-6.80	1013.37	1024.03			
264	10:58	1316.9	-.4	1316.5	270.30	17.43	-6.97	1013.34	1023.80			
265	11:07	1315.4	-.5	1314.9	272.10	17.55	-7.10	1013.21	1023.66			
266	11:27	1314.5	-.5	1314.0	272.00	17.54	-7.08	1013.13	1023.59			
267	11:35	1312.5	-.5	1312.0	272.00	17.54	-6.93	1012.97	1023.58			
268	11:42	1312.3	-.6	1311.7	273.40	17.63	-6.67	1012.94	1023.90			
269	11:50	1315.8	-.6	1315.2	269.20	17.36	-6.55	1013.23	1024.04			
270	11:59	1315.0	-.7	1314.3	269.90	17.41	-6.47	1013.16	1024.10			
271	12:06	1315.5	-.7	1314.8	269.50	17.38	-6.41	1013.20	1024.17			

OVERLAND EXPLORATION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 27

Job Houston Hudsons Bay-67-39 Inst. No. #806 Density

Date Oct. 2nd., 1967. Meter Const. 0.08340 Comb. Free Air-Corr. Const. .0645

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVATION	COMB. CORR.	IAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
Base 2	8:00	1322.1	0	1322.1	270.00	17.48	-7.27	1013.60	1023.81			
R 259	8:42	1319.7	0	1319.1	273.15	17.62	-6.73	1013.35	1024.24			
615	8:50	1319.4	0	1319.4	273.65	17.65	-6.92	1013.37	1024.10			
616	8:56	1319.8	0	1319.8	274.10	17.68	-7.10	1013.41	1023.99			
617	9:03	1319.0	0	1319.0	274.00	17.67	-7.27	1013.34	1023.74			
618	9:10	1318.6	0	1318.6	273.55	17.66	-7.38	1013.31	1023.57			
619	9:18	1319.7	0	1319.7	272.90	17.60	-7.52	1013.40	1023.98			
620	9:25	1317.0	-.1	1316.9	272.20	17.56	-7.63	1013.17	1023.10			
621	9:31	1319.3	-.1	1319.2	271.60	17.52	-7.79	1013.36	1023.09			
622	9:39	1318.3	-.1	1318.2	272.45	17.57	-7.94	1013.27	1022.90			
623	9:46	1316.3	-.1	1316.2	273.05	17.61	-8.07	1013.11	1022.65			
624	9:54	1317.9	-.1	1317.8	272.35	17.57	-8.20	1013.24	1022.61			
625	10:01	1319.5	-.1	1319.4	272.90	17.54	-8.44	1013.37	1022.47			
626	10:10	1319.3	-.2	1319.1	272.80	17.60	-8.47	1013.35	1022.46			
627	10:18	1319.2	-.2	1319.0	272.20	17.56	-8.38	1013.34	1022.52			
628	10:24	1318.7	-.2	1318.5	271.90	17.54	-8.12	1013.30	1022.72			
629	10:33	1318.7	-.3	1318.4	272.00	17.54	-8.07	1013.29	1022.76			
630	10:40	1319.2	-.3	1318.9	272.00	17.54	-8.07	1013.33	1022.80			
R 623	10:47	1317.1	-.3	1316.8	273.05	17.61	-8.07	1013.16	1022.70			
558	10:55	1315.9	-.3	1315.6	273.60	17.65	-8.20	1013.06	1022.51			
559	11:04	1316.2	-.4	1315.8	274.80	17.72	-8.40	1013.07	1022.39			
560	11:12	1316.4	-.4	1316.0	275.30	17.76	-8.52	1013.09	1022.33			
561	11:19	1314.7	-.4	1314.3	275.75	17.79	-8.67	1012.95	1022.07			

OVERLAND EXPLORATION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 28

Job Houston-Hudsons Bay 67-39

Inst. No. #806

Density

Date Oct. 2nd., 1967.

Meter Const. 0.08340

Comb. Free Air-Corr. Const. .0645

STW	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVATION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
562	11:26	1314.6	-.4	1314.2	275.40	17.76	-8.80	1012.94	1021.90			
563	11:33	1313.1	-.5	1312.6	275.50	17.77	-8.93	1012.81	1021.65			
564	11:40	1313.9	-.5	1313.4	274.10	17.68	-9.03	1012.87	1021.52			
565	11:49	1314.1	-.5	1313.6	273.75	17.66	-9.10	1012.89	1021.45			
566	11:57	1314.3	-.5	1313.8	273.60	17.65	-9.08	1012.91	1021.48			
567	12:04	1313.9	-.5	1313.4	272.80	17.60	-8.97	1012.87	1021.50			
568	12:11	1313.4	-.5	1312.9	272.10	17.55	-8.83	1012.83	1021.55			
569	12:20	1313.3	-.5	1312.8	272.00	17.54	-8.70	1012.82	1021.66			
570	12:30	1314.5	-.5	1314.0	271.85	17.53	-8.62	1012.92	1021.83			
571	12:36	1313.3	-.5	1312.8	272.00	17.54	-8.49	1012.82	1021.87			
572	12:43	1313.7	-.5	1313.2	272.15	17.55	-8.30	1012.86	1022.11			
573	12:50	1313.6	-.5	1313.1	272.25	17.56	-8.32	1012.85	1022.09			
574	1:00	1314.8	-.5	1314.3	271.90	17.54	-8.41	1012.95	1022.08			
575	1:08	1317.7	-.5	1315.2	271.95	17.54	-8.56	1013.02	1022.00			
576	1:16	1314.8	-.5	1314.3	272.00	17.54	-8.71	1012.95	1021.78			
R 627	2:00	1320.4	-.6	1319.8	272.20	17.56	-8.38	1013.41	1022.59			
548	2:26	1322.4	-.6	1321.8	271.75	17.53	-8.59	1013.57	1022.51			
549	2:35	1323.2	-.7	1322.5	271.30	17.50	-8.66	1013.68	1022.47			
550	2:43	1322.7	-.7	1322.0	270.80	17.47	-8.83	1013.59	1022.23			
551	2:50	1324.3	-.7	1323.6	271.00	17.48	-9.01	1013.73	1022.20			
552	2:57	1326.1	-.7	1325.4	270.50	17.45	-9.30	1013.88	1022.03			
553	3:04	1327.3	-.8	1326.5	270.45	17.44	-9.49	1013.97	1021.92			
554	3:11	1330.6	-.8	1329.8	270.00	17.42	-9.79	1014.24	1021.87			

OVERLAND EXPLORATION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 30

Job Houston-Hudsons Bay-67-39

Inst. No. #806

Density

Date Oct. 3rd., 1967.

Meter Const. 0.08340

Comb. Free Air-Corr. Const. .0645

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVATION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
Base	2	8:10	1325.4	0	1325.4	270.00	17.48	-7.27	1013.60	1023.81		
R	100	8:37	1322.1	0	1322.1	271.50	17.51	-6.62	1013.32	1024.21		
	675	8:45	1319.2	0	1319.2	272.30	17.56	-6.42	1013.08	1024.22		
	676	8:53	1318.1	-.1	1318.0	272.00	17.54	-6.22	1012.98	1024.30		
	677	9:00	1317.0	-.1	1316.9	272.10	17.55	-6.02	1012.89	1024.42		
	678	9:08	1315.8	-.1	1315.7	272.50	17.57	-5.87	1012.79	1024.49		
	679	9:15	1315.1	-.1	1315.0	270.70	17.46	-5.67	1012.73	1024.52		
	680	9:23	1314.5	-.1	1314.4	270.15	17.42	-5.42	1012.68	1024.68		
	681	9:31	1310.6	-.1	1310.5	272.80	17.60	-5.31	1012.36	1024.65		
	682	9:39	1309.2	-.1	1309.1	273.40	17.63	-5.20	1012.24	1024.67		
	683	9:47	1309.9	-.2	1309.7	272.75	17.59	-5.11	1012.29	1024.77		
	684	9:55	1308.0	-.2	1307.8	273.60	17.65	-5.05	1012.13	1024.73		
	641	10:03	1308.2	-.2	1308.0	272.15	17.55	-5.02	1012.15	1024.68		
	685	10:10	1310.7	-.2	1310.5	269.95	17.41	-4.88	1012.36	1024.89		
	686	10:16	1310.5	-.2	1310.3	270.35	17.44	-4.78	1012.34	1025.00		
	687	10:25	1308.9	-.2	1308.7	271.45	17.51	-4.68	1012.21	1025.04		
	688	10:46	1307.8	-.3	1307.5	272.15	17.55	-4.53	1012.11	1025.13		
R	641	10:52	1307.8	-.3	1307.5	272.15	17.55	-5.02	1012.11	1024.64		
	642	10:59	1306.0	-.3	1305.7	275.55	17.77	-4.83	1011.96	1024.90		
	643	11:06	1305.5	-.3	1305.2	275.40	17.76	-4.67	1011.92	1025.01		
	644	11:13	1306.6	-.4	1306.2	273.15	17.62	-4.51	1012.00	1025.11		
	645	11:20	1306.8	-.4	1306.4	272.90	17.60	-4.48	1012.02	1025.14		
	646	11:28	1304.7	-.4	1304.3	275.25	17.75	-4.40	1011.84	1025.19		

OVERLAND EXPLORATION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 31

Job Houston-Budsons Bay-67-39

Inst. No. 4886

Density

Date Oct. 3rd., 1967.

Meter Const. 0-66340

Comb. Free Air-Corr. Const. 0.645

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVATION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
647	11:26	1304.2	-.4	1303.8	276.60	17.84	-4.36	1011.80	1025.28			
648	11:42	1304.5	-.4	1304.1	276.75	17.85	-4.31	1011.82	1025.36			
649	11:50	1302.4	-.4	1302.0	277.55	17.89	-4.09	1011.65	1025.05			
650	11:57	1312.3	-.4	1311.9	278.05	17.93	-4.92	1012.67	1025.68			
510	12:09	1312.6	-.5	1312.1	277.20	17.88	-4.87	1012.69	1025.50			
651	12:13	1309.2	-.5	1308.7	277.50	17.90	-3.90	1011.62	1025.62			
652	12:20	1304.3	-.5	1303.8	277.50	17.90	-4.02	1011.60	1025.68			
653	12:28	1304.9	-.5	1304.4	278.40	17.96	-4.07	1011.85	1025.76			
654	12:29	1304.1	-.5	1303.6	278.65	17.99	-4.02	1011.78	1025.75			
655	12:43	1304.8	-.6	1304.2	279.10	18.00	-3.99	1011.83	1025.84			
656	12:50	1304.9	-.6	1304.2	279.05	18.00	-3.93	1011.83	1025.90			
657	1:09	1305.0	-.6	1304.4	278.80	17.98	-3.83	1011.85	1026.00			
658	1:08	1304.6	-.7	1303.9	279.00	18.00	-3.72	1011.81	1025.89			
659	1:16	1304.3	-.7	1303.6	278.30	17.95	-3.60	1011.78	1026.13			
660	1:24	1301.9	-.7	1301.2	278.45	17.96	-3.42	1011.58	1026.12			
666	1:40	1308.3	-.8	1307.5	277.40	17.89	-3.99	1012.11	1026.01			
665	1:46	1310.3	-.8	1309.5	276.65	17.84	-4.16	1012.27	1025.95			
664	1:53	1319.1	-.9	1312.2	275.95	17.80	-4.61	1012.50	1025.89			
663	2:01	1314.9	-.9	1314.0	275.50	17.77	-4.63	1012.65	1025.79			
662	2:10	1317.3	-1.0	1316.3	274.35	17.70	-4.89	1012.84	1025.65			
661	2:17	1318.6	-1.0	1317.6	273.70	17.65	-5.07	1012.95	1025.53			
287	2:27	1319.9	-1.1	1318.8	274.20	17.69	-5.25	1013.05	1025.49			
286	2:34	1319.6	-1.1	1318.5	274.00	17.67	-5.26	1013.02	1025.43			

OVERLAND EXPLORATION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 33

Job Houston-Hudsons Bay-67-39

Inst. No. #806

Density

Date Oct. 5th, 1967.

Meter Const. 0.08340

Comb. Free Air-Corr. Const. .0645

SIN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVATION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
Bas	9:40	1330.5	0	1330.5	270.00	17.48	-7.27	1013.60	1023.81			
R 105	10:40	1332.7	-.4	1332.3	272.00	17.54	-7.25	1013.75	1024.04			
674	10:48	1333.9	-.4	1333.5	273.80	17.66	-7.29	1013.85	1024.22			
673	10:56	1333.6	-.5	1333.1	274.15	17.68	-7.17	1013.82	1024.33			
672	11:04	1333.3	-.5	1332.8	274.55	17.71	-7.03	1013.79	1024.47			
671	11:13	1331.2	-.5	1330.7	276.10	17.81	-6.90	1013.62	1024.53			
604	11:20	1333.3	-.5	1332.8	273.90	17.67	-6.79	1013.79	1024.67			
603	11:28	1331.7	-.6	1331.1	273.95	17.67	-6.68	1013.65	1024.64			
602	11:36	1328.6	-.6	1328.0	275.75	17.79	-6.59	1013.39	1024.59			
601	11:45	1327.4	-.6	1326.8	274.80	17.72	-6.50	1013.29	1024.51			
600	11:53	1325.9	-.7	1325.2	274.70	17.72	-6.40	1013.16	1024.48			
R 604	12:20	1333.7	-.8	1332.9	273.90	17.67	-6.79	1013.80	1024.68			
670	12:30	1332.3	-.9	1331.4	275.25	17.75	-6.63	1013.68	1024.80			
669	12:39	1331.4	-.9	1330.5	274.85	17.73	-6.49	1013.60	1024.84			
667	12:48	1332.0	-.9	1331.1	273.70	17.65	-6.18	1013.65	1025.12			
500	12:57	1332.3	-1.0	1331.3	273.50	17.64	-6.05	1013.67	1025.26			
501	1:05	1329.5	-1.0	1328.5	273.80	17.66	-5.81	1013.43	1025.28			
502	1:13	1329.6	-1.0	1328.6	273.50	17.64	-5.60	1013.44	1025.48			
503	1:20	1326.8	-1.1	1325.7	274.30	17.69	-5.38	1013.20	1025.51			
288	1:29	1327.4	-1.1	1326.3	272.90	17.60	-5.25	1013.25	1025.60			
289	1:39	1327.3	-1.1	1326.2	273.00	17.61	-5.21	1013.24	1025.64			
290	1:46	1329.0	-1.1	1327.9	273.00	17.61	-5.28	1013.38	1025.71			
291	1:54	1330.0	-1.2	1328.8	273.00	17.61	-5.42	1013.46	1025.65			

OVERLAND EXPLORATION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 35

Job Houston-Hudsons Bay-67-39 Inst. No. #806 Density

Date Oct. 7th, 1967. Meter Const. 0.08340

Comb. Free Air-Corr. Const. .0645

SUN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVATION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
Base	2 9:30	1337.4	0	1337.4	271.00	17.48	-7.27	1013.60	1023.81			
R	604 10:45	1339.2	-0.1	1339.1	273.90	17.67	-6.78	1013.74	1024.63			
	605 10:53	1340.6	-0.1	1340.5	274.20	17.69	-6.95	1013.86	1024.60			
	606 11:01	1341.7	-0.1	1341.6	274.05	17.68	-7.09	1013.95	1024.54			
	607 11:10	1341.8	-0.2	1341.6	276.50	17.83	-7.20	1013.95	1024.58			
	608 11:19	1343.9	-0.2	1343.7	275.30	17.76	-7.24	1014.15	1024.65			
	609 11:27	1345.9	-0.2	1345.7	274.95	17.73	-7.39	1014.29	1024.63			
	610 11:35	1350.2	-0.2	1350.0	273.90	17.67	-7.54	1014.65	1024.78			
	611 11:43	1352.3	-0.2	1352.1	273.50	17.64	-7.70	1014.83	1024.77			
	612 11:55	1356.9	-0.2	1356.7	272.20	17.56	-7.93	1015.21	1024.84			
	613 12:04	1358.1	-0.2	1357.9	272.75	17.59	-8.11	1015.31	1024.79			
	614 11:15	1358.8	-0.2	1358.6	272.00	17.54	-8.19	1015.37	1024.72			
R	609 11:48	1345.5	-0.2	1345.3	274.95	17.73	-7.39	1014.26	1024.60			
	689 11:56	1344.8	-0.2	1344.6	275.00	17.74	-7.21	1014.20	1024.73			
	690 12:05	1344.0	-0.2	1343.8	275.15	17.75	-7.00	1014.13	1024.80			
	691 12:13	1343.8	-0.3	1343.5	275.50	17.77	-6.99	1014.11	1024.89			
	692 12:20	1343.9	-0.3	1343.6	275.50	17.77	-6.92	1014.12	1024.97			
	693 12:28	1343.6	-0.3	1343.3	277.00	17.87	-6.81	1014.09	1025.15			
	694 12:36	1344.2	-0.3	1343.9	277.40	17.89	-6.70	1014.14	1025.33			
	695 12:45	1345.5	-0.3	1345.2	275.80	17.79	-6.58	1014.25	1025.46			
	696 12:53	1345.6	-0.3	1345.3	275.65	17.78	-6.44	1014.26	1025.60			
	697 1:02	1346.6	-0.3	1346.3	277.30	17.89	-6.45	1014.34	1025.78			
	698 1:12	1347.0	-0.4	1346.6	277.80	17.92	-6.31	1014.37	1025.98			

OVERLAND EXPLORATION SERVICES LTD.
GRAVITY METER CALCULATION SHEET

SHEET NO. 37

Job HOUSTON-HUDSONS BAY-67-39

Inst. No. 4996

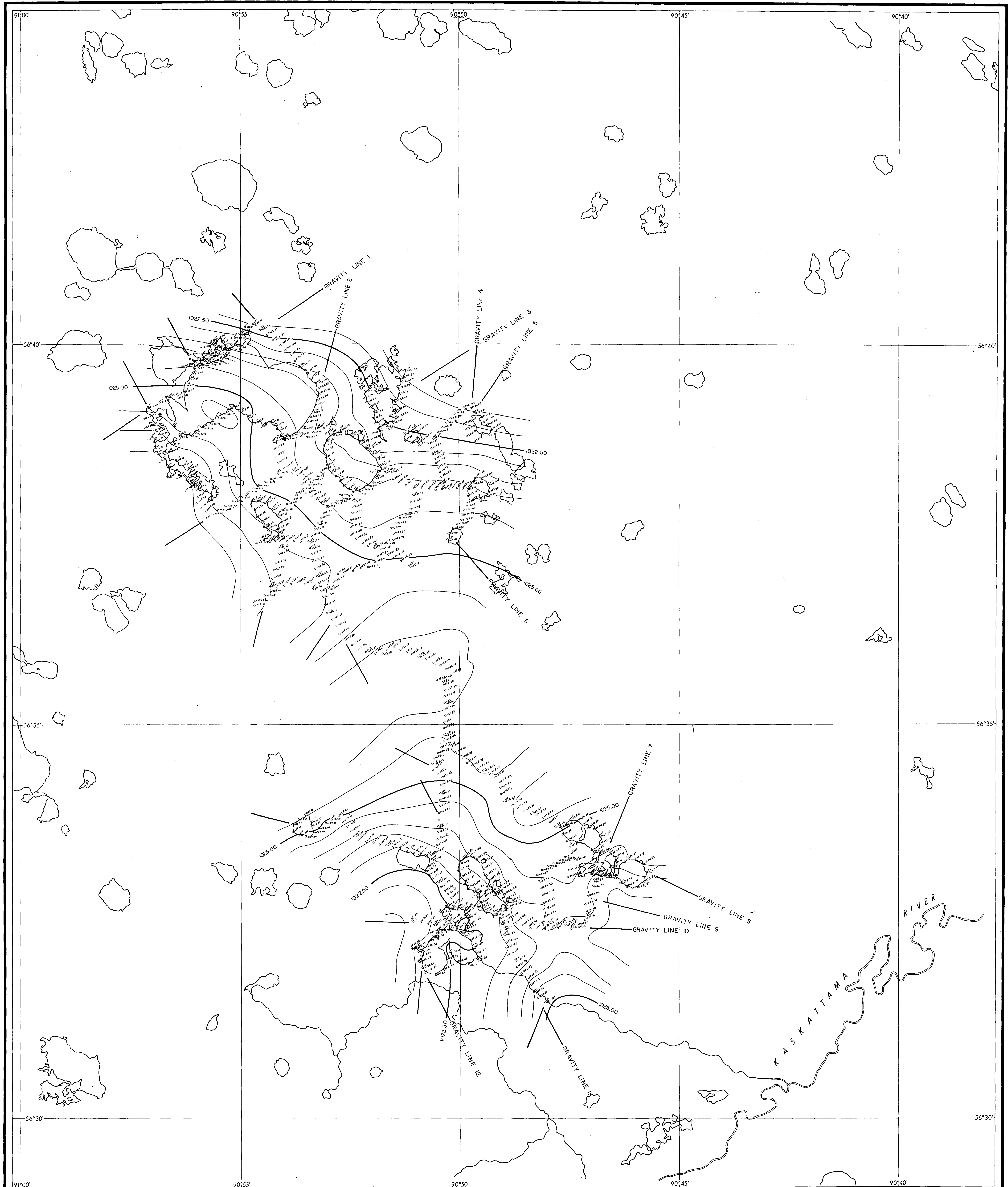
Density

Date

Meter Const. 0.08340

Comb. Free Air-Corr. Const. 0.0645

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVATION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
Base 2	10:10	1339.2	0	1339.2	271.00	17.48	-7.27	1013.60	1023.81			
187	10:17	1363.9	0	1363.9	274.00	17.67	-11.51	1015.66	1021.82			
154	10:28	1379.2	0	1379.2	272.00	17.54	-9.12	1016.94	1025.36			
705	10:40	1364.6	0	1364.6	275.40	17.76	-6.88	1015.72	1026.60			
298	10:47	1345.0	-1	1344.9	273.60	17.65	-6.46	1014.08	1025.27			
277	10:58	1332.0	-1	1331.9	275.85	17.79	-6.20	1012.99	1024.58			
510	11:05	1326.2	-1	1326.1	277.20	17.88	-4.87	1012.51	1025.32			
688	11:15	1321.1	-1	1321.0	272.15	17.55	-4.53	1012.08	1025.10			
270	11:24	1335.3	-1	1335.2	269.90	17.41	-6.47	1013.27	1024.21			
571	11:34	1330.2	-1	1330.1	272.00	17.54	-8.49	1012.84	1021.89			
557	11:45	1346.6	-2	1346.4	270.50	17.45	-10.10	1014.20	1021.47			
Base 2	12:00	1339.4	-2	1339.2	271.00	17.48	-7.27	1013.60	1023.81			
Base 1	2:30	1078.5	0	1078.5	281.00	18.12	+5.30	1000.00	1023.42			
27	2:38	1100.7	0	1100.7	282.20	18.20	+3.85	1001.85	1023.90			
455	2:47	1123.6	0	1123.6	285.90	18.44	+2.74	1003.76	1024.94			
430	2:55	1169.1	0	1169.1	275.15	17.75	+0.29	1007.56	1025.60			
40	3:06	1083.5	0	1083.5	275.30	17.76	+2.73	1000.42	1025.02			
215	3:14	1083.5	0	1083.5	282.10	18.20	+5.48	1000.42	1024.10			
247	3:24	1063.9	0	1063.9	281.45	18.15	+8.00	998.78	1024.93			
80	3:33	1041.9	0	1041.9	284.50	18.35	+7.00	996.95	1022.30			
Base 1	3:42	1078.5	0	1078.5	281.00	18.12	+5.30	1000.00	1023.42			



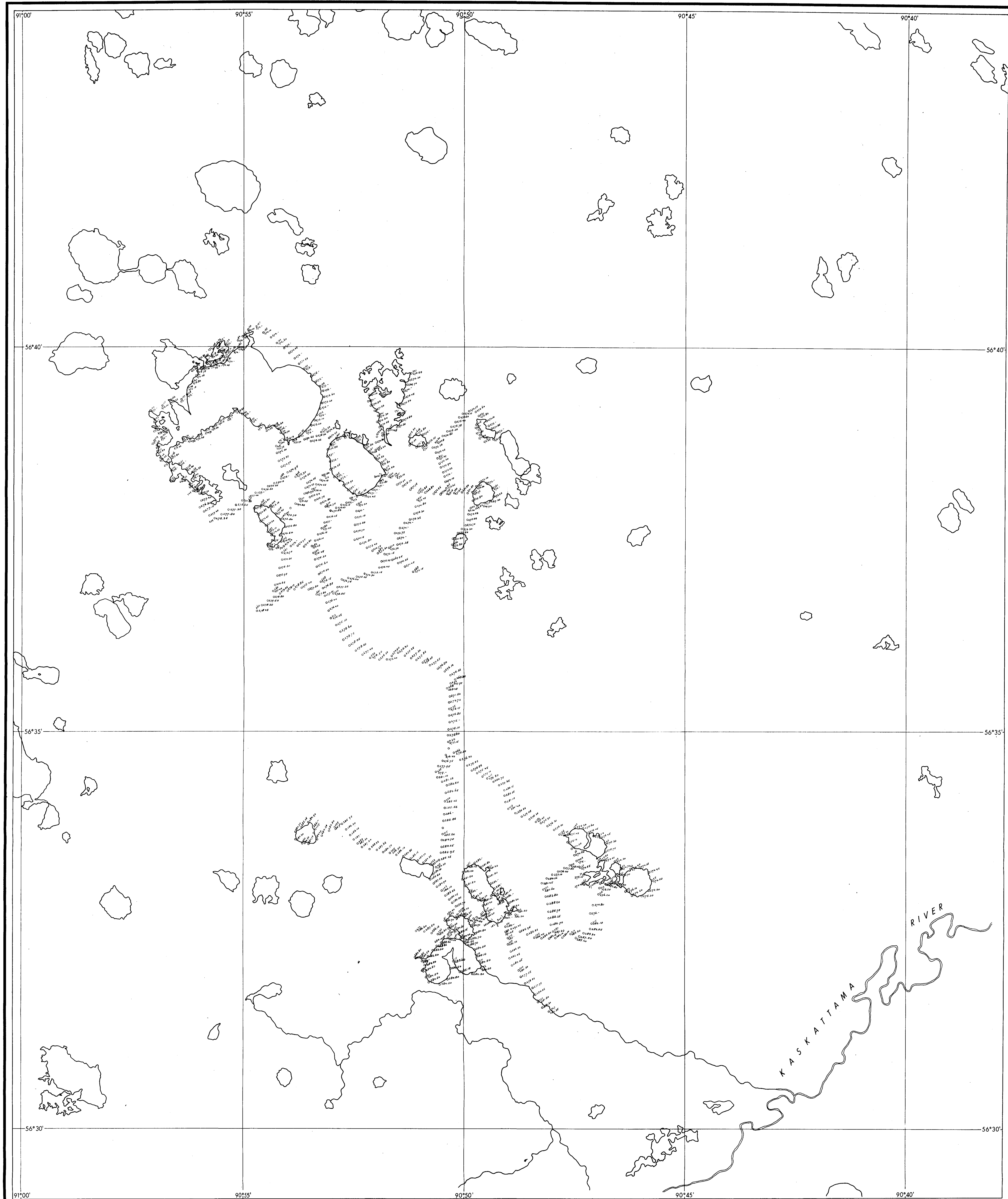
OVERLAND
EXPLORATION SERVICES LTD.

FOR
HOUSTON OILS LTD.

GRAVITY BOUGUER MAP
KASKATAMA RIVER AREA

SCALE: 2" = 1 MILE

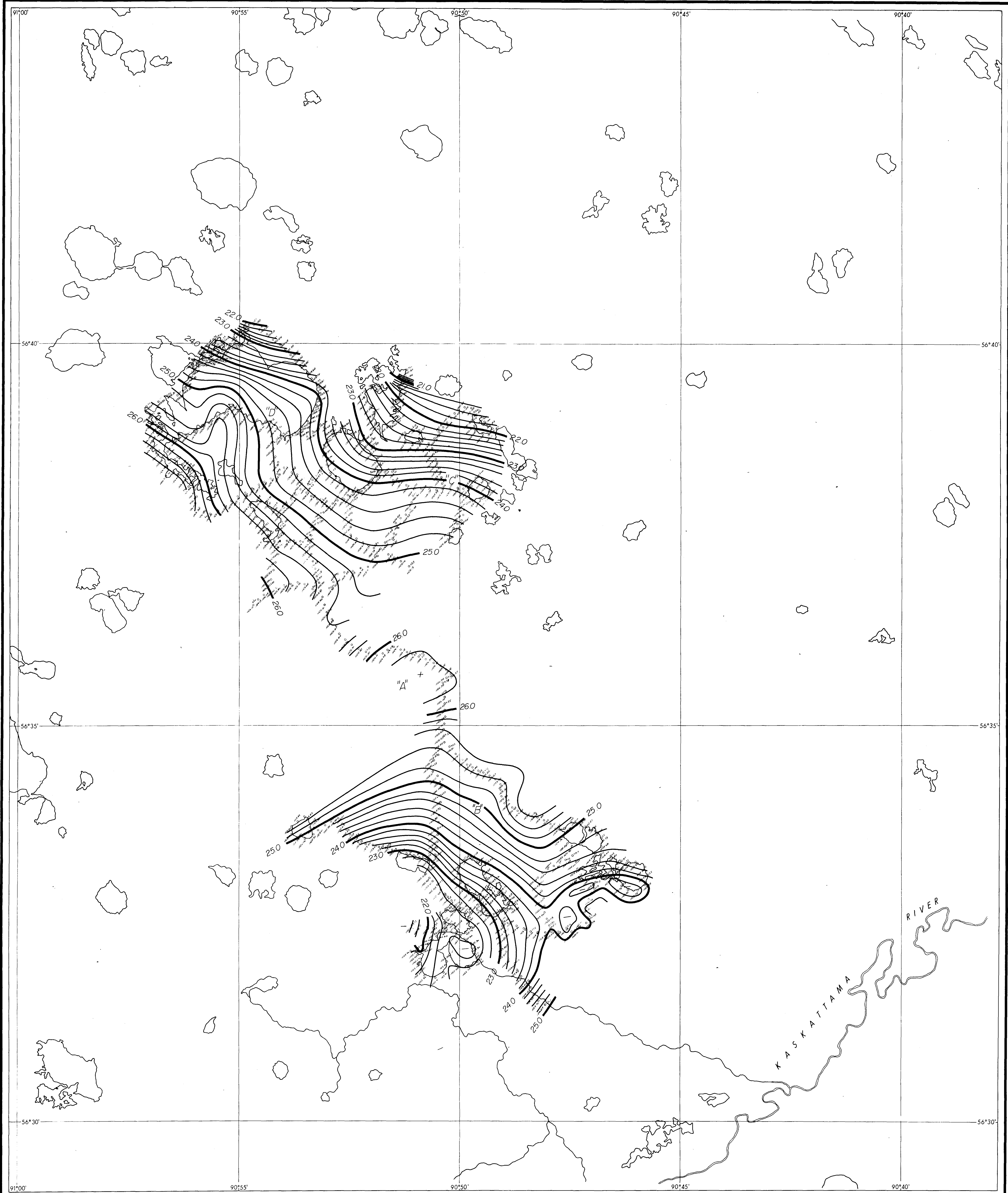
CONTOUR INTERVAL: 50 MILLIGALS



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HOUSTON OILS LTD.
ELEVATION MAP
KASKATAMA RIVER AREA

SCALE: 2" = 1 MILE



INTERPRETATION BY
R.B. GALESKI

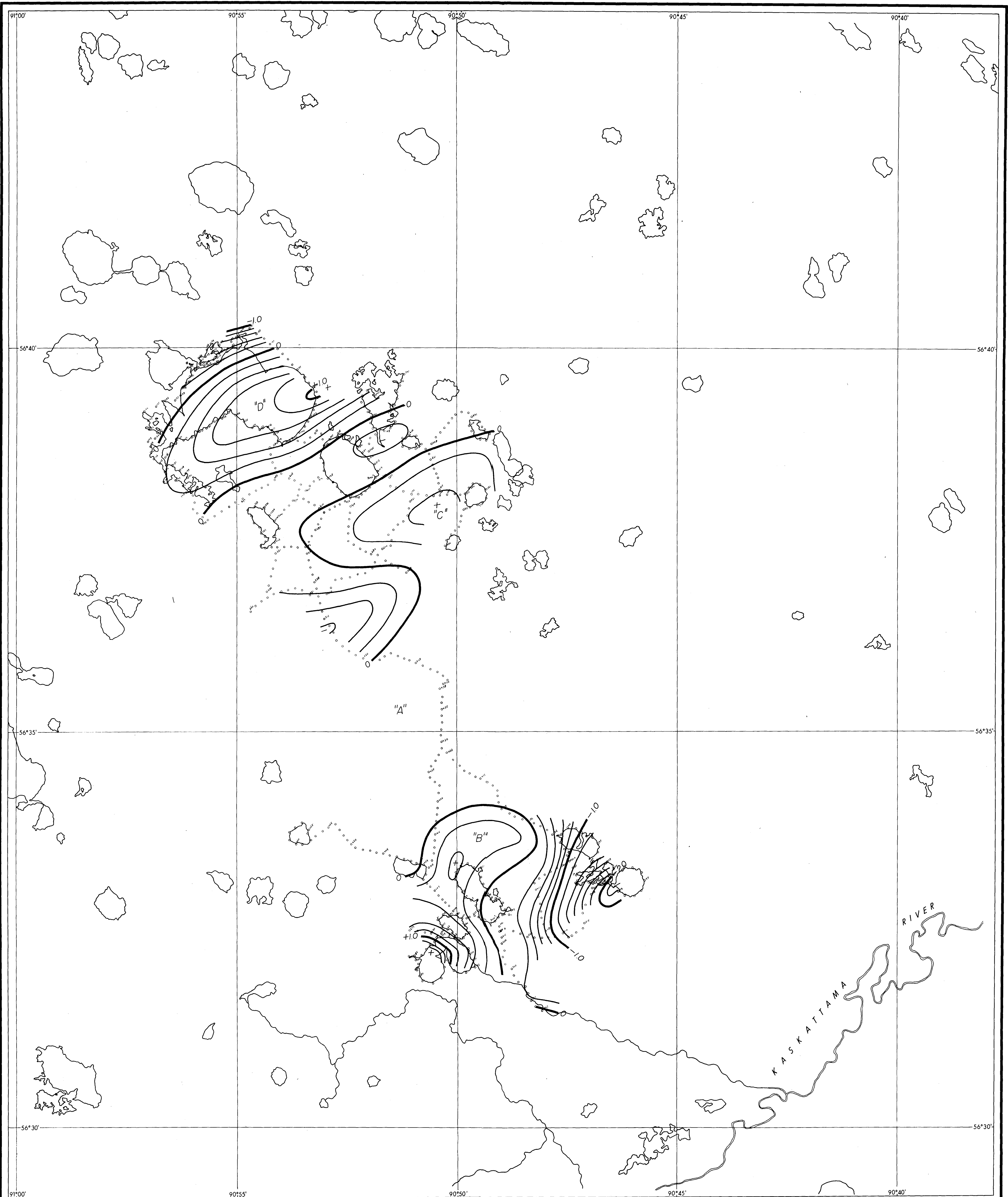
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BOUGUER GRAVITY
KASKATAMA RIVER AREA

SCALE: 2" = 1 MILE

CONTOUR INTERVAL: 0.2 Mgals



INTERPRETATION BY
RBGALESKI

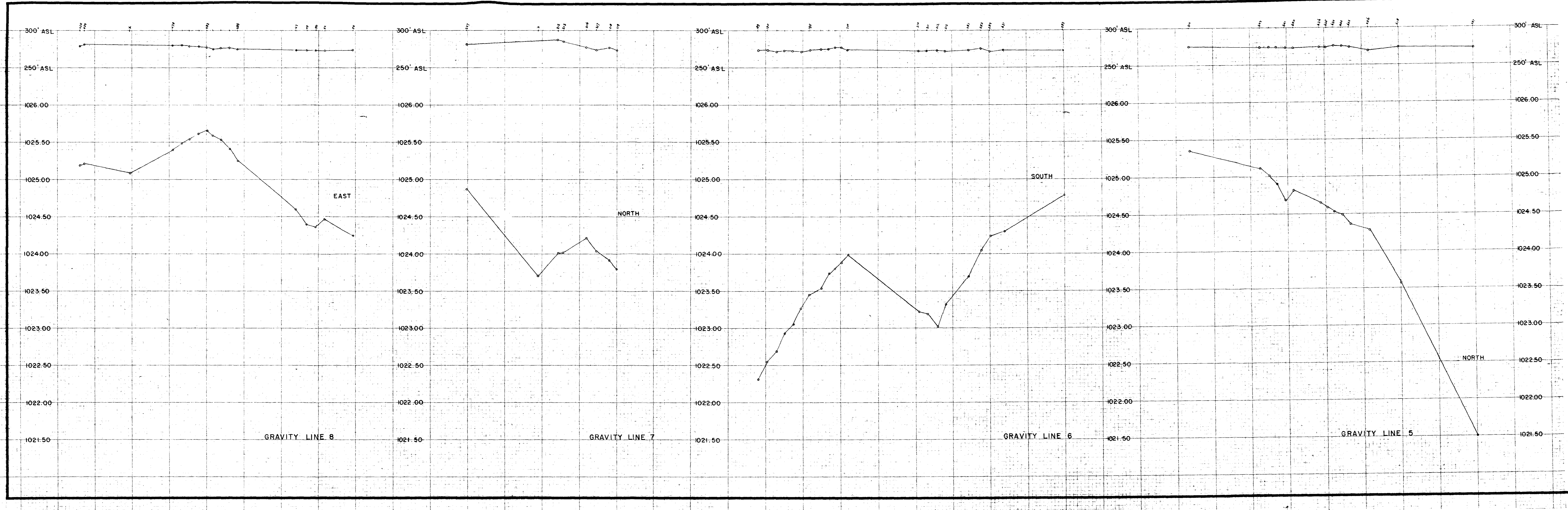
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RESIDUAL GRAVITY
KASKATTAMA RIVER AREA

SCALE: 2" = 1 MILE

CONTOUR INTERVAL: 0.2 Mgals

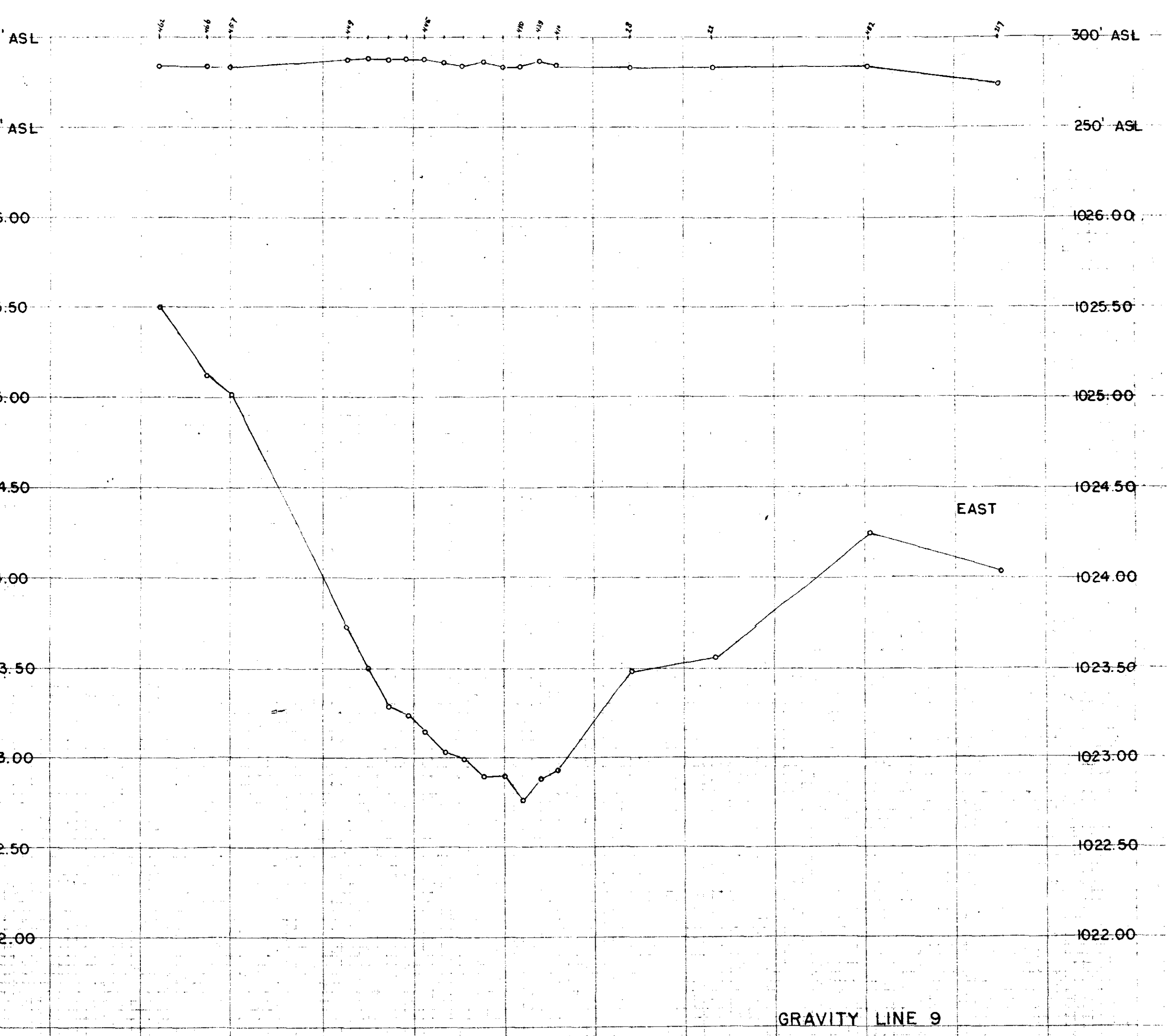
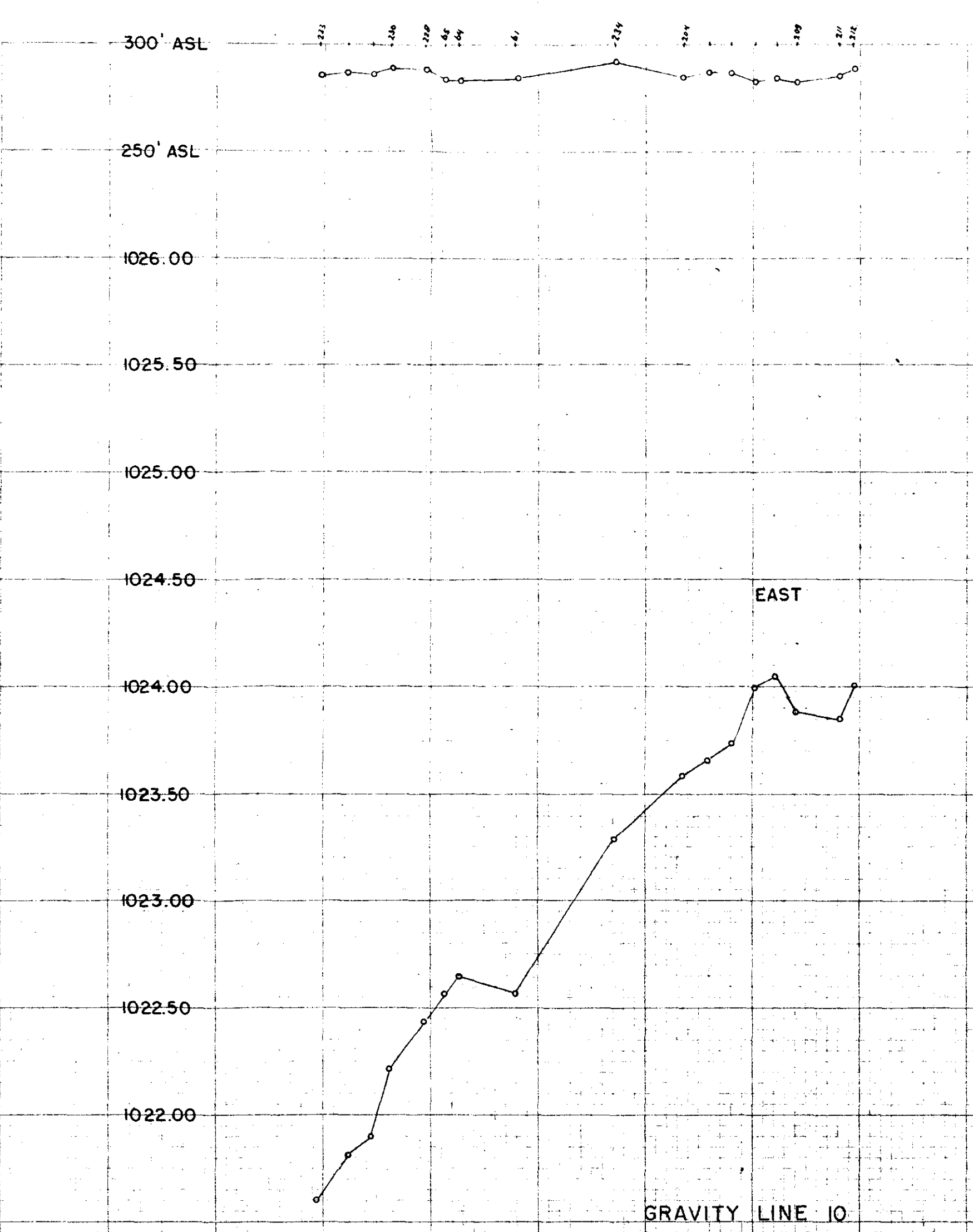
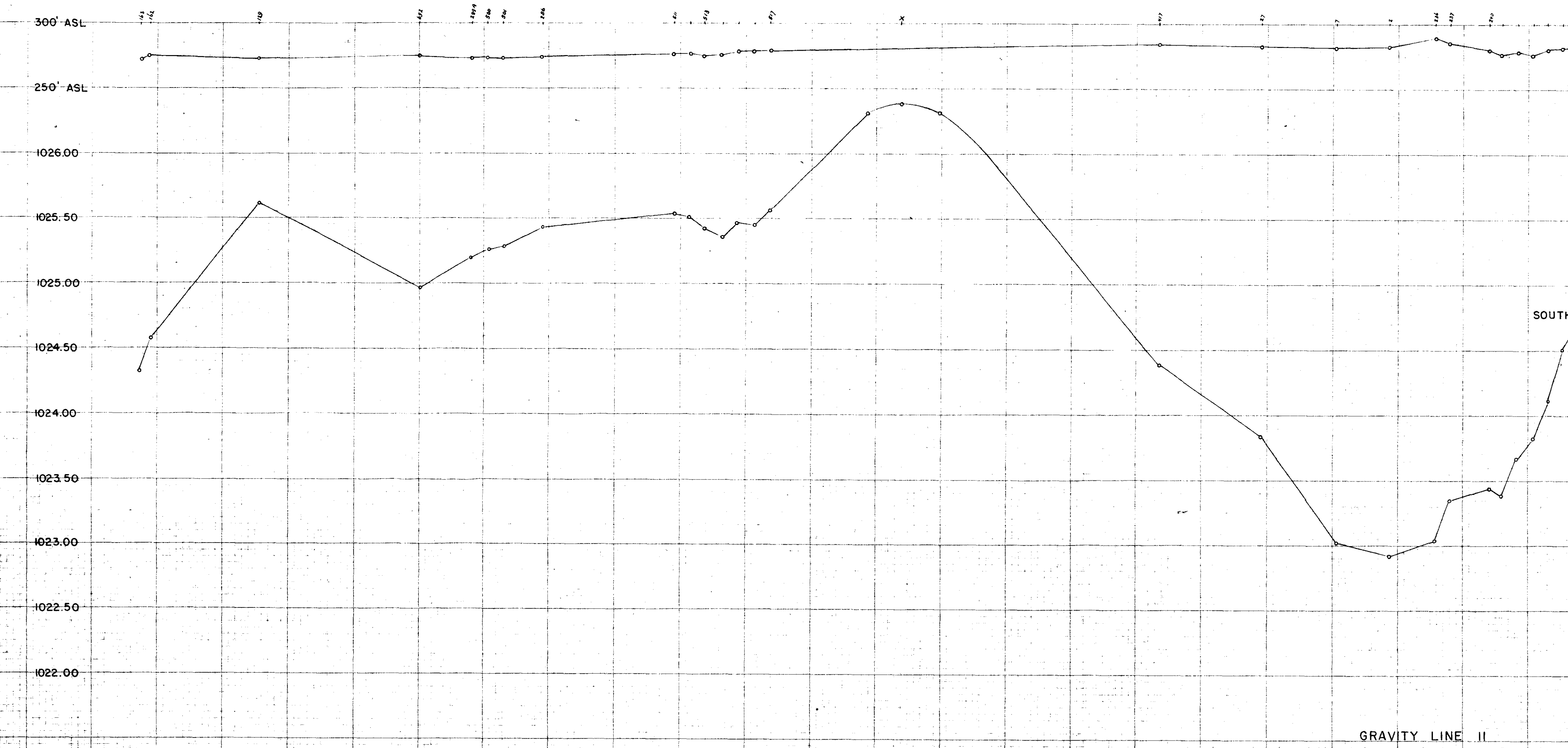
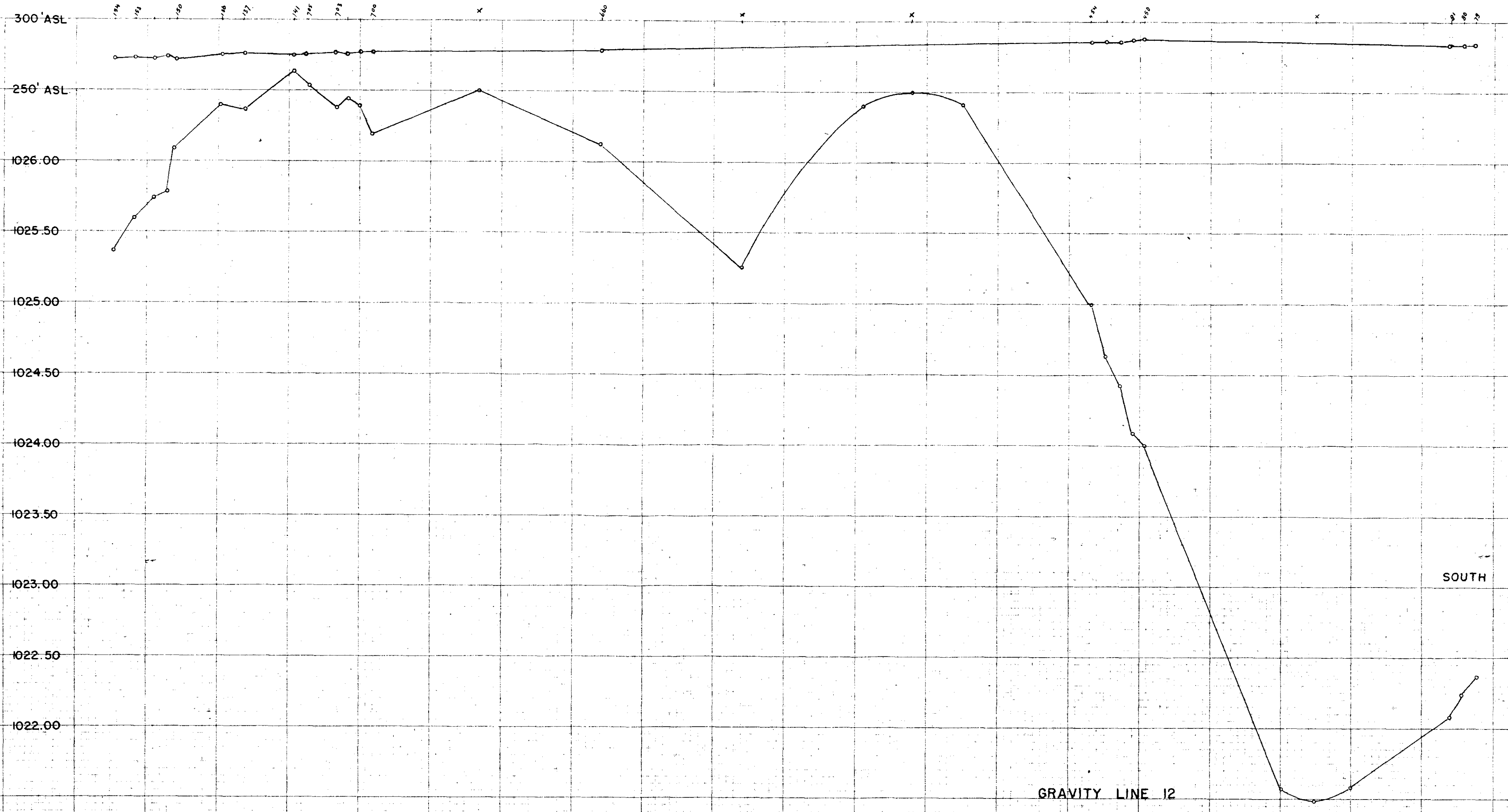



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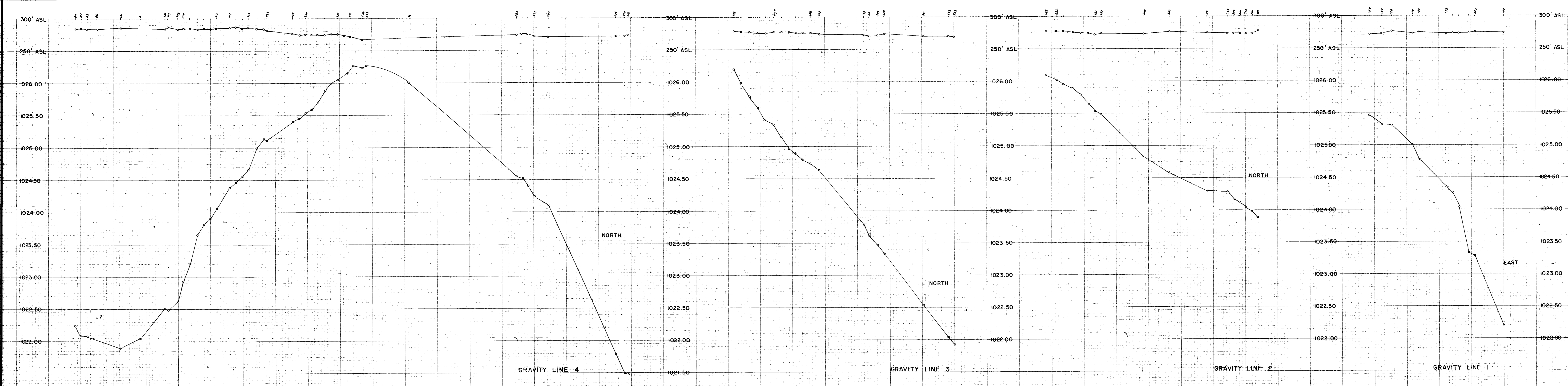
FOR
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GRAVITY LINES 5 TO 8
KASKATAMA RIVER AREA

VERTICAL: 2"=1MILLIGAL
 1"= 50 FEET
 HORIZ.: 2"=1 MILE




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GRAVITY LINES 9 TO 12
KASKATAMA RIVER AREA
 VERTICAL: 2"=100 FEET
 HORIZ: 2"=1 MILE




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GRAVITY LINES 1 TO 4
 KASKATAMA RIVER AREA
 VERTICAL: 2"=1MILLIGAL
 1"= 50 FEET
 HORIZ: 2"=1 MILE