

MICROFILMED

TO .....

HERE .....

June/1979.

Contents

- 1) Report
- 2) a) Station elevation map.  $2'' = 1 \text{ mi}$ .
- b) Gravity Bouguer map.  $2'' = 1 \text{ mi}$ , CI 5 mg.  
with location of gravity lines
- c) Bouguer Gravity Map by E. B. Galloper  
 $2'' = 1 \text{ mi}$ , CI 0.2 mg.
- d) 3 plates Gravity lines 1-4 }  $2'' = 1 \text{ mi}$ .
- e) " " 5-8 }  $1'' = 50' \text{ vert.}$
- f) " " 9-12 }  $2'' = 1 \text{ mi horiz.}$
- g) Residual Gravity  $2'' = 1 \text{ mi}$ , CI 0.2 mg.

## SURVEY AND FIELD PROCEDURE

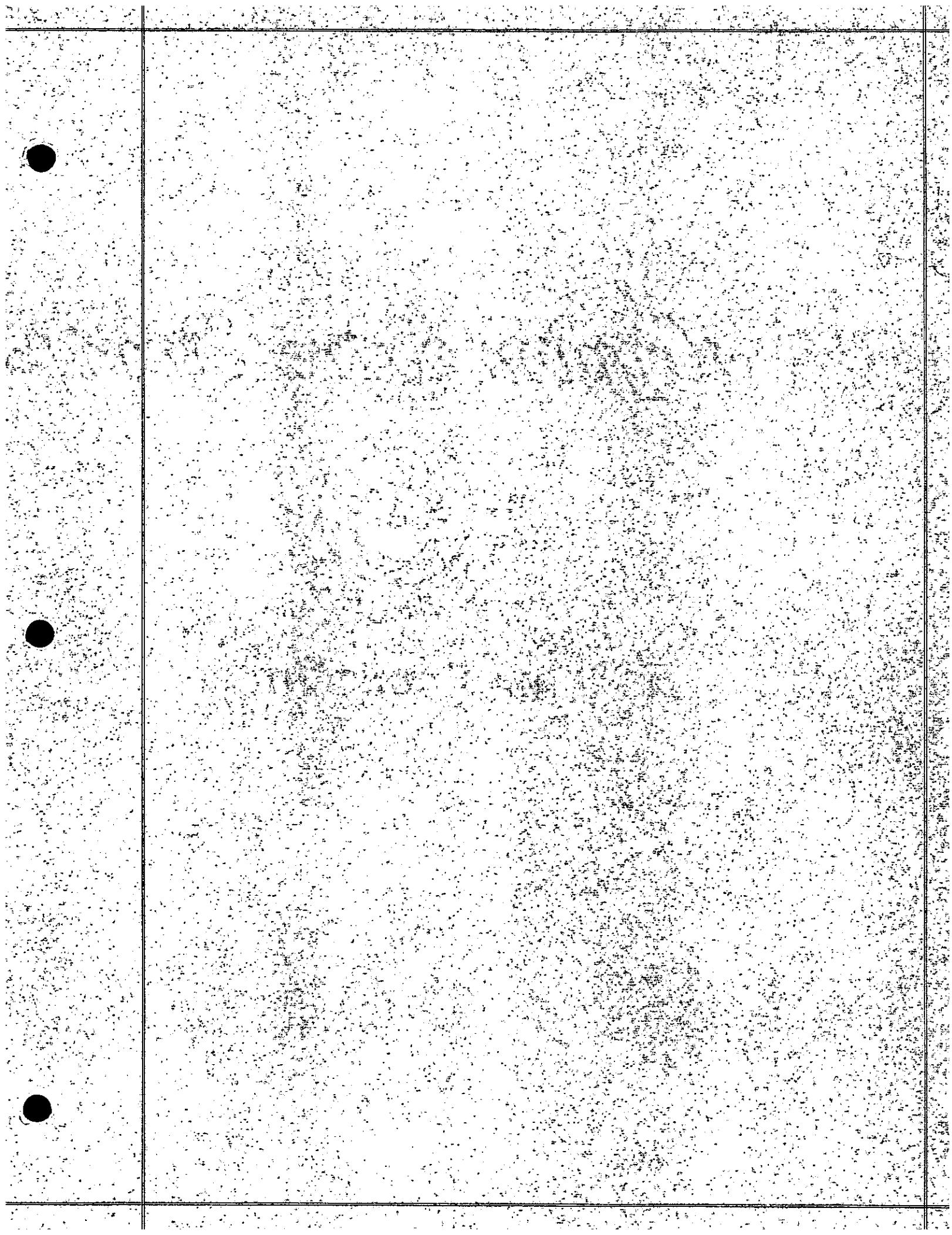
The topographic survey was carried out by transit with a vertical closure limit of one tenth of a foot per mile. Lines extending outside loops were double surveyed. Distances were measured by the Stadia method. Bearings were obtained by celestial observations.

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

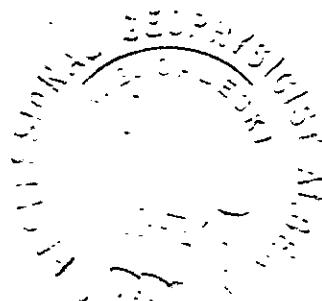
1. 90 miles of gravity line completed.
2. Gravity measurements are highly influenced by intrabasement changes.
3. Three local positives, "A", "B" and "C", were defined and related to intrabasement sources.
4. One positive, "D", exists in the north part of the area. It may be related to a structural high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

Respectfully submitted by:

*Robert B. Galeski*

ROBERT B. GALESKI, P. GEOPH.

RBG/jp



SHEET NO. 1

**OVERLAND EXPLORATION SERVICES LTD.**  
**GRAVITY METER CALCULATION SHEET**

Houston-Hudsons Bay -1

Inst. No. 4806

## Density

Date Sept. 17th. 1967.

Meter Const. 0.08340

Comb. I

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
Base 1	8:40	1044.0	0	1044.0	281.00	18.12	+5.30	1000.00	1023.42			
2	8:50	1034.3	+1	1034.4	283.00	18.25	+5.47	999.20	1022.42			
3	9:15	1034.1	+3	1034.4	283.50	18.29	+5.40	999.20	1022.89			
4	9:25	1037.2	+4	1037.6	283.20	18.26	+5.30	999.47	1023.03			
5	9:35	1041.5	+5	1042.0	282.00	18.19	+5.10	999.83	1023.12			
6	9:45	1042.0	+6	1042.6	282.40	18.22	+4.98	999.88	1023.08			
7	10:20	1043.0	+9	1043.9	282.50	18.22	+4.80	999.99	1023.01			
8	10:35	1040.4	+1.0	1041.4	282.70	18.23	+4.82	999.78	1022.83			
9	10:45	1043.1	+1.1	1044.2	282.20	18.20	+4.73	1000.02	1022.95			
Base 1	11:40	1042.3	+1.7	1044.0	281.00	18.12	+5.30	1000.00	1023.42			
												Meter shut down - too windy.

Job Houston-Hudson Bay -1Inst. No. 4886

Density

Date Sept. 18th, 1967. Meter Const. 0.08340 Comb. Free Air-Corr. Const. .0645

STN	TIME	INST. READING	DIURNAL CORR.	ELEVATION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
Base 1	8:30	1054.4	0	1054.4	281.00	18.12	+5.30	1000.00	1023.42		
10	8:40	1055.3	+.1	1055.4	281.50	18.16	+5.21	1000.03	1023.45		
11	8:50	1055.6	+.1	1055.7	283.30	18.27	+5.20	1000.11	1023.58		
12	8:55	1058.7	+.1	1058.8	281.50	18.16	+5.08	1000.37	1023.61		
13	9:00	1056.5	+.2	1056.7	281.90	18.18	+5.08	1000.19	1023.45		
14	9:10	1059.8	+.2	1060.0	282.30	18.21	+4.90	1000.47	1023.58		
15	9:15	1063.7	+.2	1063.9	282.00	18.12	+4.76	1000.79	1023.67		
16	9:25	1064.3	+.3	1064.6	282.10	18.13	+4.75	1000.85	1023.73		
17	9:30	1060.3	+.3	1060.6	282.50	18.22	+4.86	1000.52	1023.60		
18	9:40	1060.3	+.3	1060.6	282.20	18.20	+4.80	1000.52	1023.52		
19	9:50	1062.7	+.4	1063.1	281.80	18.18	+4.70	1000.73	1023.61		
20	10:00	1062.4	+.4	1061.6	281.60	18.17	+4.70	1000.60	1023.47		
21	10:05	1066.6	+.5	1065.1	282.00	18.19	+4.48	1000.89	1023.56		
22	10:10	1066.3	+.5	1066.8	282.00	18.19	+4.34	1001.03	1023.56		
23	10:15	1073.0	+.6	1073.6	281.50	18.16	+4.13	1001.60	1023.89		
24	10:30	1077.0	+.7	1077.7	281.40	18.15	+3.90	1001.94	1023.99		
25	10:35	1076.0	+.7	1076.7	281.50	18.16	+3.88	1001.66	1023.90		
26	10:40	1078.5	+.7	1079.3	282.00	18.19	+3.77	1002.08	1024.04		
27	10:45	1075.0	+.8	1075.8	282.20	18.20	+3.85	1001.77	1023.82		
28	11:10	1068.6	+.10	1069.6	283.40	18.22	+4.00	1001.27	1023.49		

**OVERLAND EXPLORATION SERVICES LTD.**  
**GRAVITY METER CALCULATION SHEET**

Job Houston-Hudsons Bey-67-39 Inst. No. #816 Density \_\_\_\_\_  
 Date Sept. 18th, 1967. Meter Const. 0.08340 Comb. Free Air-Corr. Const. .0645

SHEET NO. 4OVERLAND EXPLORATION SERVICES LTD.  
GRAVITY METER CALCULATION SHEET

Job

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

Density

Date Sept. 19th, 1967.Comb. Free Air-Corr. Const. .0645Meter Const. 0.08340

STN	TIME	INST. READING	DIURNAL CORR.	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	18.30	+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	+.26	1086.1	273.80	17.66	+4.30	1001.77	1023.73		
221	1:45	1083.4	+.28	1086.2	275.50	17.77	+4.30	1001.78	1023.85		

SHEET NO. 5

OVERLAND EXPLORATION SERVICES LTD.  
GRAVITY METER CALCULATION SHEET

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.	LAT. 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	10:43	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	12:23	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 EXPLORATION SERVICES LTD.**  
**GRAVITY METER CALCULATION SHEET**

SHEET NO.

6

Hudsons Bay--67-39

Inst. No. #806

### Density

Date    8/29/1987    1000'    Meter Const 0.08340

Comb. Free Air-Corr. Const. 0615

6

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVA- TION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
50	2:18	1094.7	+3.0	1097.7	274.70	17.72	+3.91	1002.74	1024.37			
51	2:23	1090.7	+3.0	1093.7	274.70	17.72	+4.08	1002.40	1024.20			
52	2:28	1095.9	+3.0	1098.9	274.40	17.70	+3.93	1002.84	1024.47			
53	2:35	1096.9	+3.1	1100.0	274.35	17.70	+3.89	1002.93	1024.52			
54	2:41	1095.4	+3.1	1098.5	274.45	17.70	+4.02	1002.80	1024.52			
55	2:45	1089.3	+3.2	1092.5	274.50	17.71	+4.24	1002.30	1024.25			
56	3:51	1081.5	+3.2	1084.7	274.60	17.71	+4.53	1001.65	1023.89			
57	3:58	1077.2	+3.3	1080.5	275.20	17.75	+4.70	1001.30	1023.75			
58	3:03	1077.7	+3.3	1081.0	274.50	17.71	+4.69	1001.34	1023.74			
59	3:10	1077.8	+3.3	1081.1	276.10	17.81	+4.57	1001.35	1023.73			
R 219	3:17	1081.6	+3.4	1085.0	273.20	17.62	+4.47	1001.58	1023.77			

Job n. Houston-Hudsons Bay-67-39

Inst. No. #806

Date Sept. 20th, 1967.

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

SIN	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	1024.20			
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	1025.64			
480	11:31	1141.0	0	1141.0	279.05	18.00	+2.40	1005.14	1025.54			

SHEET NO. 8OVERLAND EXPLORATION SERVICES LTD.  
GRAVITY METER CALCULATION SHEETJob Houston-Hudsons Bay-67-39 Inst. No. #806Date Sept. 20th, 1967. Meter Const. 0.08340 DensityDate Sept. 20th, 1967. 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
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	1157.8	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. 9

Houston-Hudsons Bay-67-39

Density  
Inst. No. 4806

Density

Date Sept. 20th, 1967.

Meter Const. 0.08340 Comb. H

Comb. Free Air-Corr. Const. 064

SIN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVA- TION	COMB. CGR.	LAT. CORR.	BOUGER VALUE	F	G	REMARKS
424	3:45	1147.9	+.9	1148.8	281.10	18.13	+1.29	1005.79	1025.21		
423	3:52	1144.8	+1.0	1145.8	281.35	18.15	+1.42	1005.54	1025.11		
422	4:01	1142.2	+1.0	1143.2	283.50	18.29	+1.52	1005.32	1025.13		
421	4:10	1137.0	+1.0	1138.0	284.65	18.36	+1.73	1004.89	1024.98		
420	4:18	1130.0	+1.0	1131.0	285.05	18.39	+1.98	1004.30	1024.67		
419	4:25	1125.7	+1.1	1126.8	285.55	18.42	+2.18	1003.95	1024.55		
418	4:32	1122.1	+1.1	1123.2	286.00	18.45	+2.37	1003.65	1024.47		
417	4:41	1119.0	+1.1	1120.1	285.85	18.44	+2.55	1003.39	1024.38		
415	4:49	1111.2	+1.1	1112.3	285.20	18.40	+2.93	1002.74	1024.07		
414	4:56	1107.5	+1.2	1108.7	284.70	18.36	+3.10	1002.44	1023.90		
413	5:04	1104.5	+1.2	1105.7	284.25	18.33	+3.30	1002.19	1023.82		
412	5:10	1100.6	+1.2	1101.8	283.95	18.31	+3.47	1001.87	1023.65		
Base 1	6:50	1078.1	+1.3	1079.4	281.00	18.12	+5.30	1000.00	1023.42		

**OVERLAND EXPLORATION SERVICES LTD.**  
**GRAVITY METER CALCULATION SHEET**

SHEET NO. 10

Job Houston-Hindson Bay- 67-39

Inst. No. #806 Density

Date Sept. 21st., 1967.

Meter Const. 0.08340 Comb. I

Comb. Free Air-Corr. Const. .0645

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STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVA- TION	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	-.1	1073.6	287.70	18.56	+5.25	999.19	1023.00			
224	10:55	1076.5	-.1	1076.4	283.10	18.26	+5.24	999.42	1022.92			
225	11:00	1069.0	-.1	1068.9	286.85	18.50	+5.29	998.81	1022.60			
226	11:05	1071.8	-.2	1071.6	282.90	18.25	+5.31	999.02	1022.58			
227	12:00	1065.8	-.6	1065.2	283.90	18.31	+5.60	998.49	1022.40			
228	12:05	1060.0	-.6	1059.4	288.90	18.63	+5.79	998.01	1022.43			
229	12:07	1062.3	-.7	1061.6	283.50	18.29	+5.89	998.19	1022.37			
230	12:10	1057.2	-.7	1056.5	289.60	18.68	+5.78	997.76	1022.22			
231	12:15	1056.4	-.7	1055.7	286.15	18.46	+5.73	997.70	1021.89			
232	12:20	1055.0	-.8	1054.2	287.50	18.54	+5.70	997.57	1021.81			
233	12:25	1053.2	-.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	-.2	1070.8	283.90	18.31	+5.31	998.96	1022.58			
60	11:10	1077.0	-.2	1066.8	284.90	18.38	+5.50	998.62	1022.50			
61	11:15	1064.8	-.2	1064.6	284.80	18.37	+5.75	998.44	1022.56			
62	11:25	1065.9	-.3	1065.6	283.70	18.30	+5.91	998.52	1022.73			
63	11:35	1061.9	-.4	1061.5	284.40	18.34	+5.90	998.18	1022.42			
64	11:40	1066.3	-.5	1065.8	284.15	18.33	+5.78	998.54	1022.65			
65	11:50	1066.1	-.5	1065.6	284.60	18.36	+5.68	998.52	1022.56			
R 227	12:00	1065.8	-.6	1065.2	283.90	18.31	+5.60	998.49	1022.40			

SHEET NO. 11

OVERLAND EXPLORATION SERVICES LTD.  
GRAVITY METER CALCULATION SHEET

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

Date Sept. 21st., 1967. Meter Const. 0.08340 Density

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
91	4:10	1070.0	-1.9	1068.1	283.90	18.31	+5.39	998.73	1022.43			
92	4:20	1073.0	-2.0	1071.0	283.90	18.31	+5.20	998.97	1022.48			
93	4:25	1079.5	-2.0	1079.3	284.50	18.35	+5.29	999.99	1023.63			
94	4:30	1072.1	-2.0	1070.1	284.20	18.33	+5.21	999.22	1022.76			
R 226	4:35	1082.3	-2.0	1080.3	283.90	18.25	+5.31	1000.07	1023.63			
<hr/>												
Kidney Lake												
/ 229	12:07	1062.3	-.7	1061.6	283.50	18.29	+5.89	998.19	1022.37			
66	12:30	1060.8	-.9	1059.9	284.50	18.35	+5.89	998.37	1022.61			
67	12:40	1058.5	-.9	1057.6	286.50	18.48	+6.00	997.86	1022.34			
68	12:45	1055.4	-.9	1054.5	285.70	18.43	+6.09	997.92	1022.44			
69	12:50	1058.0	-1.0	1057.0	284.50	18.35	+6.20	997.81	1022.36			
70	1:00	1051.0	-1.0	1050.0	285.10	18.39	+6.36	997.55	1022.30			
71	1:10	1056.7	-1.1	1055.6	284.50	18.35	+6.52	997.70	1022.57			
72	1:20	1054.3	-1.2	1053.1	284.50	18.35	+6.76	997.49	1022.60			
73	1:25	1054.3	-1.2	1053.1	284.50	18.35	+6.90	997.49	1022.74			
74	1:30	1048.4	-1.2	1047.2	285.15	18.39	+6.83	997.31	1022.58			
75	1:35	1052.1	-1.3	1050.8	285.60	18.42	+6.56	997.61	1022.59			
76	1:45	1052.1	-1.3	1050.8	284.50	18.35	+6.76	997.29	1022.40			
77	1:50	1048.1	-1.3	1046.8	284.80	18.37	+7.08	996.96	1022.41			
78	2:05	1047.2	-1.4	1045.8	284.30	18.34	+7.20	996.87	1022.41			
79	2:10	1047.1	-1.4	1045.7	284.50	18.35	+7.14	996.87	1022.36			
80	2:20	1047.3	-1.4	1045.9	284.50	18.35	+7.00	996.89	1022.24			

**OVERLAND EXPLORATION SERVICES LTD.**  
**GRAVITY METER CALCULATION SHEET**

SHEET NO. 12

Houston-Kinidsons Bay=67-39

Inst. No. 8886 Density —

Date Sept. 21st., 1967. Meter Const. 0.00340 Comb. I

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
81	2:30	1047.4	-1.5	1045.9	284.50	18.35	+6.85	996.89	1022.09			
82	2:40	1049.2	-1.5	1047.7	284.50	18.35	+6.68	997.04	1022.07			
83	2:45	1050.9	-1.6	1049.3	284.00	18.32	+6.55	997.17	1022.04			
84	2:50	1056.2	-1.6	1054.6	283.80	18.31	+6.42	997.93	1022.66			
85	2:55	1053.6	-1.6	1052.0	283.50	18.29	+6.40	997.40	1022.09			
86	3:00	1057.0	-1.6	1055.4	283.50	18.29	+6.40	997.68	1022.37			
87	3:05	1052.6	-1.7	1050.9	285.25	18.40	+6.23	997.62	1022.25			
88	3:10	1058.2	-1.7	1056.5	285.55	18.41	+6.10	997.77	1022.28			
89	3:20	1062.0	-1.7	1060.3	283.50	18.29	+6.01	998.09	1022.39			
90	3:25	1058.4	-1.8	1056.6	284.10	18.33	+5.90	998.10	1022.33			
R 229	3:30	1063.1	-1.8	1061.3	283.50	18.29	+5.89	998.19	1022.37			

SHEET NO. 13OVERLAND EXPLORATION SERVICES LTD.  
GRAVITY METER CALCULATION SHEETJob Rouletton-Ruddson Bay-67-39Inst. No. #806Date Sept. 22nd., 1967. Meter Const. 0.08340

Density

Date Sept. 22nd., 1967. Meter Const. 0.08340 Comb. Free Air-Corr. Const. .0645

STN	TIME	INST. READING	DIURNAL CORR.	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		
B	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		

SHEET NO. 14

OVERLAND EXPLORATION SERVICES LTD.  
GRAVITY METER CALCULATION SHEET

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.	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			
R	457	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		

SHEET NO. 15

OVERLAND EXPLORATION SERVICES LTD.  
GRAVITY METER CALCULATION SHEET

Job Houston-Hudson Bay-67-39

Inst. No. 4806

Date Sept. 24th, 1967.

Meter Const. 0.08340

Density

Date Sept. 24th, 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
Base 1	12:15	1115.0	0	1115.0	281.00	18.12	+5.30	1000.00	1023.42			
Base 1	12:20	1115.0	.3	1115.0	281.00	18.12	+5.20	1000.00	1023.42			
R 201	12:48	1104.5	+.1	1104.6	289.00	18.64	+5.57	999.03	1023.24			
234	12:50	1100.8	+.1	1100.9	291.05	18.77	+5.70	998.82	1023.29			
235	12:55	1100.1	+.2	1100.3	287.00	18.51	+5.89	998.77	1023.17			
236	1:00	1097.7	+.2	1097.9	285.35	18.40	+6.06	998.57	1023.03			
237	1:05	1098.0	+.2	1098.2	286.35	18.48	+6.27	998.60	1023.35			
238	1:10	1093.5	+.2	1093.7	282.05	18.19	+6.46	998.22	1022.87			
239	1:15	1096.7	+.2	1096.9	282.05	18.19	+6.67	998.49	1023.35			
240	1:20	1097.3	+.3	1097.6	280.30	18.08	+6.80	998.55	1023.43			
241	1:25	1096.4	+.3	1096.7	277.85	17.92	+7.00	998.47	1023.39			
242	1:30	1096.7	+.3	1097.0	278.85	17.99	+7.18	998.50	1023.67			
243	1:35	1098.2	+.3	1098.5	277.75	17.91	+7.29	998.62	1023.82			
244	1:40	1097.4	+.3	1097.7	280.05	18.06	+7.50	998.56	1024.12			
245	1:45	1096.1	+.4	1096.5	281.80	18.18	+7.70	998.62	1024.50			
246	1:50	1098.7	+.4	1099.1	281.30	18.14	+7.89	998.67	1024.70			
247	1:55	1099.3	+.4	1099.7	281.45	18.15	+8.00	998.72	1024.87			
R 239	2:30	1097.7	+.5	1097.2	282.05	18.19	+6.67	998.52	1023.38			
R 234	2:50	1101.0	+.6	1100.4	291.05	18.77	+5.70	998.78	1023.25			
Base 1	4:30	1114.0	+.1.0	1115.0	281.00	18.12	+5.30	1000.00	1023.42			

Job Houston-Hudson Bay-67-39

Inst. No.

#806

Density

Date Sept. 26th, 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 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			

SHEET NO. 17

OVERLAND EXPLORATION SERVICES LTD.  
GRAVITY METER CALCULATION SHEET

Job Houston-Hudsons Bay-67-39Date Sept. 26th, 1967.

Density

Inst. No. 4806Comb. Free Air-Corr. Const. .0645Meter Const. 0.08940

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVA- TION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS	
519	3:04	1247.9	-.7	1247.2	277.40	17.89	-2.18	1010.11	1025.82				
518	3:13	1247.1	-.7	1246.4	278.20	17.94	-2.29	1010.05	1025.70				
517	3:21	1246.8	-.7	1246.1	278.55	17.97	-2.43	1010.02	1025.56				
516	3:30	1247.3	-.8	1246.5	278.75	17.98	-2.60	1010.06	1025.44				
515	3:38	1250.6	-.8	1249.8	278.60	17.97	-2.83	1010.33	1025.47				
514	3:47	1254.0	-.8	1253.2	275.30	17.76	-3.02	1010.61	1025.35				
513	3:55	1257.4	-.8	1256.6	275.05	17.74	-3.22	1010.90	1025.42				
512	4:02	1260.0	-.9	1259.1	276.40	17.83	-3.43	1011.11	1025.51				
511	4:10	1263.3	-.9	1262.4	276.40	17.83	-3.67	1011.38	1025.54				
510	4:17	1265.1	-.9	1264.2	277.20	17.88	-3.88	1011.53	1025.53				
509	4:24	1268.3	-.9	1267.4	276.85	17.86	-4.07	1011.80	1025.59				
508	4:30	1270.6	-.9	1269.7	276.15	17.81	-4.25	1011.99	1025.55				
507	4:39	1274.3	-.9	1273.4	275.50	17.77	-4.47	1012.30	1025.60				
506	4:47	1276.0	-.9	1275.1	275.60	17.78	-4.69	1012.44	1025.53				
505	4:55	1277.3	-.9	1276.4	275.20	17.75	-4.90	1012.55	1025.40				
504	5:01	1279.0	-.9	1278.1	275.45	17.77	-5.07	1012.69	1025.39				
Base	2	6:38	1290.0	-1.0	1289.0	271.00	17.48	-7.27	1013.60	1023.81			

Job Houston-Hudsons Bay-67-39

Inst. No. #806

Density

Date Sept. 27th, 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
<b>Mood Lake</b>												
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			
<b>Cut off from Mood Lake to High Lake</b>												
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			



Job Houston-Budsons Bay-67-39

Inst. No. #806

Date Sept. 27th, 1967.

Meter Const. 0.08340

Comb. Free Air-Corr. Const. .0645

Density

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVA- TION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS	
135	3:50	1325.9	-1.3	1324.6	274.55	17.71	-8.12	1016.36	1025.95				
136	3:55	1327.3	-1.3	1326.0	275.80	17.80	-7.88	1016.48	1026.40				
137	4:00	1324.6	-1.3	1323.3	275.00	17.74	-7.62	1016.25	1026.37				
138	4:10	1323.8	-1.3	1322.5	274.60	17.71	-7.50	1016.19	1026.40				
139	4:15	1320.4	-1.3	1319.1	274.35	17.70	-7.40	1015.90	1026.20				
140	4:25	1320.0	-1.3	1318.7	274.00	17.67	-7.28	1015.87	1026.26				
141	4:45	1320.9	-1.4	1319.5	275.00	17.74	-7.04	1015.94	1026.64				
142	4:55	1321.9	-1.4	1320.5	275.65	17.78	-7.20	1016.00	1026.60				
143	5:10	1323.1	-1.4	1321.7	275.00	17.74	-7.15	1016.12	1026.71				
144	5:15	1323.0	-1.4	1321.6	276.00	17.80	-7.43	1016.11	1026.48				
145	5:20	1328.0	-1.4	1326.6	273.95	17.67	-7.68	1016.53	1026.52				
146	5:25	1331.3	-1.5	1329.8	272.45	17.57	-7.81	1016.79	1026.55				
147	5:35	1331.4	-1.5	1329.9	272.50	17.58	-8.00	1016.80	1026.38				
148	6:00	1332.0	-1.5	1330.5	272.00	17.54	-8.14	1016.85	1026.25				
149	6:15	1332.8	-1.6	1331.2	272.00	17.54	-8.28	1016.91	1026.17				
150	6:30	1333.0	-1.7	1331.3	272.00	17.54	-8.38	1016.92	1026.08				
151	6:45	1331.1	-1.7	1329.4	273.00	17.54	-8.51	1016.76	1025.79				
Base	2	9:25	1294.0	-2.5	1291.5	271.00	17.48	-7.27	1013.60	1023.81			

Job Houston-Hudsons Bay-67-39Inst. No. #806Date Sept. 28th, 1967.Meter Const. 0.08340Comb. Free Air-Corr. Const. .0645

Density

STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVA- TION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
Base	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	272.60	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	273.90	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	273.30	17.61	-10.82	1016.69	1023.48			
172	12:35	1336.3	+.5	1336.8	273.00	17.61	-10.82	1016.75	1023.54			
173	12:40	1336.3	+.5	1336.8	273.00	17.61	-10.66	1016.75	1023.60			

SHEET NO. 22

OVERLAND EXPLORATION SERVICES LTD.  
GRAVITY METER CALCULATION SHEET

Job Houston-Hudsons Bay-67-39 Inst. No. #8066

Date Sept. 28th, 1967. Meter Const. 0.08340 Density

Date Sept. 28th, 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
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			

SHEET NO. 23

**OVERLAND EXPLORATION SERVICES LTD.**  
**GRAVITY METER CALCULATION SHEET**

Job Houston-Hudsons Bay-67-39

Inst. No. #806 Density

Date Sept. 28th, 1967.

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

Meter Const. 0.08340 Comb. F

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STN	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVA- TION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS	
198	4:20	1323.4	+1.4	1324.8	277.00	17.87	-9.82	1015.75	1023.80				
199	4:25	1323.7	+1.4	1325.1	276.00	17.80	-9.70	1015.78	1023.88				
200	4:30	1325.7	+1.4	1326.1	273.60	17.65	-9.52	1015.86	1023.99				
300	4:45	1323.5	+1.4	1324.9	273.25	17.62	-9.33	1015.76	1024.05				
301	4:50	1322.6	+1.4	1324.0	273.00	17.61	-9.18	1015.68	1024.11				
302	4:55	1321.0	+1.4	1322.4	273.00	17.61	-9.00	1015.55	1024.16				
304	5:00	1320.6	+1.4	1322.0	273.10	17.62	-8.85	1015.52	1024.29				
305	5:05	1320.0	+1.4	1321.4	273.20	17.63	-8.70	1015.47	1024.40				
306	5:10	1319.1	+1.4	1320.5	273.00	17.61	-8.52	1015.39	1024.48				
R	117	5:15	1318.1	+1.4	1319.5	273.35	17.61	-8.39	1015.31	1024.58			
R	117	5:30	1318.0	+1.4	1319.4	273.35	17.61	-8.39	1015.30	1024.56			
Base	2	6:40	1297.5	+1.5	1299.0	271.00	17.48	-7.27	1013.60	1023.81			

SHEET NO. 24OVERLAND EXPLORATION SERVICES LTD.  
GRAVITY METER CALCULATION SHEETJob Houston-Buddens Bay-67-39Date Sept. 29th, 1967. Inst. No. #806Meter Const. 0.08340Comb. Free Air-Corr. Const. .0645

Density

Date Sept. 29th, 1967. Inst. No. 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	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	1014.26	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	3:28	1300.5	-1.0	1299.5	272.00	17.48	-7.27	1013.60	1023.81			

SHEET NO. 25

OVERLAND EXPLORATION SERVICES LTD.  
GRAVITY METER CALCULATION SHEET

Job Houston-Hudson Bay-67-39

Date Oct. 1st., 1967.

Meter Const. 0.08340

Density

Inst. No. #806

Comb. Free Air-Corr. Const. .0645

STN	TIME	INST. READING	DIURNAL CORR.	ELEVA- TION	COMB. CCRR.	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		

SHEET NO. 26

OVERLAND EXPLORATION SERVICES LTD.  
GRAVITY METER CALCULATION SHEET

Job Houston-Hudson Bay-67-39

Inst. No. #806

Meter Const. 0.08340

Density

Date Oct. 1st, 1967

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
272	12:15	1316.9	-.7	1316.2	269.50	17.38	-6.55	1013.32	1024.15			
577	12:22	1313.4	-.7	1312.7	272.30	17.56	-6.34	1013.02	1024.24			
578	12:30	1310.5	-.7	1309.8	275.55	17.77	-6.15	1012.78	1024.40			
579	12:37	1310.6	-.8	1309.8	275.05	17.74	-6.00	1012.78	1024.52			
580	12:45	1310.3	-.8	1309.5	273.70	17.65	-5.86	1012.76	1024.55			
581	12:53	1311.0	-.8	1310.2	273.30	17.63	-5.77	1012.82	1024.68			
582	1:00	1310.6	-.8	1309.8	272.50	17.58	-5.63	1012.78	1024.73			
583	1:08	1309.4	-.8	1308.6	272.50	17.58	-5.47	1012.68	1024.79			
584	1:15	1307.9	-.8	1307.1	272.50	17.58	-5.30	1012.56	1024.84			
631	2:47	1315.8	-.7	1315.1	273.45	17.64	-6.56	1013.22	1024.30			
632	2:52	1313.0	-.7	1312.3	274.80	17.72	-6.35	1012.99	1024.36			
633	2:59	1311.4	-.7	1310.7	275.30	17.76	-6.14	1012.86	1024.48			
634	3:07	1310.4	-.7	1309.7	275.35	17.76	-6.00	1012.77	1024.53			
635	3:14	1323.3	-.7	1322.6	274.00	17.67	-6.93	1013.85	1024.59			
636	3:23	1322.2	-.7	1321.5	274.00	17.67	-6.78	1013.76	1024.65			
637	3:30	1320.3	-.7	1319.6	273.75	17.66	-6.62	1013.60	1024.64			
638	3:37	1319.1	-.7	1318.4	274.00	17.67	-6.47	1013.50	1024.70			
639	3:44	1318.1	-.7	1317.4	273.25	17.69	-6.29	1013.42	1024.25			
640	3:50	1317.6	-.7	1316.9	273.70	17.65	-6.20	1013.37	1024.82			
Base 2	5:20	1320.4	-.8	1319.6	270.00	17.48	-7.27	1013.60	1023.81			

Job Houston Hudsons Bay-67-39

Inst. No.

Density

Date Oct., 2nd., 1967.

Meter Const.

#806

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
Base 2	8:00	1322.1	.0	1322.1	270.00	17.48	-7.27	1013.60	1023.81			
R 259	8:42	1319.1	.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	1319.0	.0	1319.0	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	17.64	-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	1022.48			
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			

SHEET NO. 28OVERLAND EXPLORATION SERVICES LTD.  
GRAVITY METER CALCULATION SHEETJob Houston-Hudson Bay 67-39 Inst. No. #806Date Oct. 2nd., 1967. Meter Const. 0.08340 DensityComb. 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	
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. 29

Job Houston-Hudsons Bay 67-39

Inst. No. #806

Date Oct. 2nd., 1967.

Meter Const. 0.08340

Density

Comb. Free Air-Corr. Const. .2645

SIN	TIME	INST. READING	DIURNAL CORR.	CORK READING	ELEVA- TION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS	
555	3:18	1328.3	-8	1327.5	269.70	17.40	-9.87	1014.05	1021.58				
556	3:24	1327.8	-8	1327.0	270.30	17.43	-9.99	1014.01	1021.45				
557	3:33	1329.0	-9	1328.1	270.50	17.45	-10.18	1014.10	1021.37				
547	4:20	1333.4	-1.0	1332.4	270.00	17.42	-9.58	1014.46	1022.30				
546	4:28	1337.2	-1.0	1336.2	270.00	17.42	-9.72	1014.78	1022.48				
545	4:36	1336.3	-1.0	1335.3	271.10	17.49	-9.58	1014.70	1022.61				
544	4:43	1324.6	-1.0	1333.6	271.00	17.48	-9.39	1014.56	1022.65				
543	4:50	1333.6	-1.0	1332.6	270.50	17.45	-9.26	1014.48	1022.67				
542	4:58	1330.3	-1.0	1329.3	271.20	17.49	-9.10	1014.20	1022.59				
541	5:05	1329.0	-1.0	1328.0	270.30	17.43	-8.98	1014.09	1022.54				
540	5:12	1327.3	-1.0	1326.3	270.60	17.45	-8.80	1013.95	1022.60				
539	5:19	1325.4	-1.0	1324.4	270.55	17.45	-8.65	1013.79	1022.59				
538	5:26	1322.3	-1.0	1321.3	272.90	17.60	-8.48	1013.53	1022.65				
537	5:33	1324.0	-1.0	1323.0	273.05	17.61	-8.39	1013.68	1022.90				
536	5:39	1320.5	-1.1	1319.4	274.80	17.72	-8.20	1013.37	1022.89				
535	5:46	1320.5	-1.1	1319.4	273.20	17.62	-8.01	1013.37	1022.98				
Base	2	6:08	1323.2	-1.1	1322.1	270.00	17.42	-7.27	1013.60	1023.81			

SHEET NO. 30

OVERLAND EXPLORATION SERVICES LTD.  
GRAVITY METER CALCULATION SHEET

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.	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		

Job Houston-Buffons Bay-67-39

Date Oct. 3rd, 1963. Inst. No. 6806

Meter Const. 0.00349 Density 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	
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	11:58	1302.4	-.4	1302.0	277.36	17.89	-4.09	1011.65	1025.45				
650	11:57	1312.3	-.4	1311.9	278.05	17.93	-4.92	1012.47	1025.48				
R	510	12:05	1312.6	-.5	1312.1	277.80	17.88	-4.87	1012.49	1025.50			
651	12:13	1303.2	-.5	1301.7	277.50	17.91	-3.90	1011.52	1025.62				
652	12:20	1304.3	-.5	1303.8	277.50	17.90	-4.02	1011.50	1025.68				
653	12:28	1304.9	-.5	1304.4	278.40	17.96	-4.07	1011.55	1025.74				
654	12:35	1304.1	-.5	1303.6	278.65	17.99	-4.02	1011.70	1025.75				
655	12:43	1304.8	-.6	1304.2	279.10	18.00	-3.99	1011.93	1025.84				
656	12:50	1304.9	-.6	1304.4	279.05	18.00	-3.93	1011.82	1025.90				
657	1:00	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	1026.09				
659	1:16	1304.3	-.7	1303.6	278.30	17.95	-3.60	1011.76	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	1012.41	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	275.20	17.77	-4.63	1012.65	1025.79				
662	2:10	1317.3	-1.0	1316.3	274.35	17.70	-4.69	1012.64	1025.65				
661	2:17	1316.6	-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				

SHEET NO. 32OVERLAND EXPLORATION SERVICES LTD.  
GRAVITY METER CALCULATION SHEETJob Houston-Rudsons Bay-67-39Date Oct. 3rd., 1967. Inst. No. #306Meter Const. 0.08340

Density

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
285	2:41	1318.9	-1.2	1317.7	273.95	17.67	-5.28	1012.96	1025.35			
284	2:49	1318.2	-1.3	1316.9	273.80	17.66	-5.24	1012.89	1025.31			
283	2:56	1315.7	-1.3	1314.4	275.45	17.77	-5.25	1012.68	1025.20			
282	3:05	1317.1	-1.4	1315.7	276.10	17.81	-5.42	1012.79	1025.18			
281	3:15	1317.4	-1.4	1316.0	276.15	17.81	-5.60	1012.82	1025.03			
280	3:23	1317.3	-1.5	1315.8	277.40	17.89	-5.78	1012.80	1024.91			
279	3:30	1319.3	-1.6	1317.7	277.00	17.87	-5.93	1012.96	1024.90			
278	3:38	1318.7	-1.6	1317.1	276.25	17.82	-6.02	1012.91	1024.71			
277	3:46	1318.9	-1.7	1317.2	275.85	17.79	-6.20	1012.92	1024.51			
276	3:54	1319.3	-1.7	1317.6	275.40	17.76	-6.28	1012.95	1024.43			
275	4:02	1322.7	-1.7	1321.0	272.15	17.55	-6.38	1013.23	1024.40			
274	4:10	1321.7	-1.8	1319.9	272.80	17.60	-6.42	1013.14	1024.32			
273	4:20	1322.5	-1.8	1320.7	272.00	17.54	-6.55	1013.21	1024.20			
R 100	4:26	1324.3	-1.9	1322.4	271.50	17.51	-6.66	1013.35	1024.20			
Base 2	4:54	1327.3	-1.9	1325.4	270.00	17.48	-7.27	1013.60	1023.81			

SHEET NO. 33OVERLAND EXPLORATION SERVICES LTD.  
GRAVITY METER CALCULATION SHEETJob Houston-Burdons Bay-67-39Date Oct. 5th, 1967.Inst. No. #806

Density

Meter Const. .008340Comb. Free Air-Corr. Const. .0645

SITE	TIME	INST. READING	DIURNAL CORR.	CORR. READING	ELEVA- TION	COMB. CORR.	LAT. CORR.	BASE VALUE	BOUGER VALUE	F	G	REMARKS
Base	2	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			
R	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			

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

Date Oct. 5th, 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	
292	2:06	1330.2	-1.2	1329.0	274.20	17.69	-5.57	1013.47	1025.59				
293	2:14	1331.0	-1.2	1329.8	274.10	17.68	-5.66	1013.54	1025.56				
294	2:23	1332.6	-1.2	1331.4	273.50	17.64	-5.85	1013.68	1025.47				
295	2:35	1334.3	-1.3	1333.0	273.35	17.63	-5.96	1013.81	1025.48				
296	2:42	1337.1	-1.3	1335.8	272.85	17.60	-6.18	1014.04	1025.46				
297	2:50	1339.6	-1.3	1338.3	272.90	17.60	-6.36	1014.25	1025.49				
298	3:01	1338.3	-1.3	1337.0	273.60	17.65	-6.46	1014.14	1025.33				
299	3:10	1336.6	-1.4	1335.2	273.10	17.61	-6.45	1013.99	1025.15				
299A	3:20	1333.9	-1.4	1332.5	273.50	17.64	-6.21	1013.77	1025.20				
R 500	3:26	1333.8	-1.4	1332.4	273.50	17.64	-6.20	1013.76	1025.20				
Base	2	4:50	1331.9	-1.4	1330.5	270.00	17.48	-7.27	1013.60	1023.81			

SHEET NO. 35

OVERLAND EXPLORATION SERVICES LTD.  
GRAVITY METER CALCULATION SHEET

Job Houston-Hudsons Bay-67-39

Date Oct. 7th, 1967. Inst. No. #806

Meter Const. 0.08340 Density 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
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	-.1	1339.1	273.90	17.67	-6.78	1013.74	1024.63		
	605	10:53	1340.6	-.1	1340.5	274.20	17.69	-6.95	1013.86	1024.60		
	606	11:01	1341.7	-.1	1341.6	274.05	17.68	-7.09	1013.95	1024.54		
	607	11:10	1341.8	-.2	1341.6	276.50	17.83	-7.20	1013.95	1024.58		
	608	11:19	1343.9	-.2	1343.7	275.30	17.76	-7.24	1014.13	1024.65		
	609	11:27	1345.9	-.2	1345.7	274.95	17.73	-7.39	1014.29	1024.63		
	610	11:35	1350.2	-.2	1350.0	273.90	17.67	-7.54	1014.65	1024.78		
	611	11:43	1352.3	-.2	1352.1	273.50	17.64	-7.70	1014.83	1024.77		
	612	11:55	1356.9	-.2	1356.7	272.20	17.56	-7.93	1015.21	1024.84		
	613	12:04	1358.1	-.2	1357.9	272.75	17.59	-8.11	1015.31	1024.79		
	614	11:15	1358.8	-.2	1358.6	272.00	17.54	-8.19	1015.37	1024.72		
R	609	11:48	1345.5	-.2	1345.3	274.95	17.73	-7.39	1014.26	1024.60		
	689	11:56	1344.8	-.2	1344.6	275.00	17.74	-7.21	1014.20	1024.73		
	690	12:05	1344.0	-.2	1343.8	275.15	17.75	-7.00	1014.13	1024.80		
	691	12:13	1343.8	-.3	1343.5	275.50	17.77	-6.99	1014.11	1024.89		
	692	12:20	1343.9	-.3	1343.6	275.50	17.77	-6.92	1014.12	1024.97		
	693	12:28	1343.6	-.3	1343.3	277.00	17.87	-6.81	1014.09	1025.15		
	694	12:36	1344.2	-.3	1343.9	277.40	17.89	-6.70	1014.14	1025.33		
	695	12:45	1345.5	-.3	1345.2	275.80	17.79	-6.58	1014.25	1025.46		
	696	12:53	1345.6	-.3	1345.3	275.65	17.78	-6.44	1014.26	1025.60		
	697	1:02	1346.6	-.3	1346.3	277.30	17.89	-6.45	1014.34	1025.78		
	698	1:12	1347.0	-.4	1346.6	277.80	17.92	-6.31	1014.37	1025.98		

**OVERLAND EXPLORATION SERVICES LTD.**  
**GRAVITY METER CALCULATION SHEET**

SHEET NO. 36

Job Houston-Hudsons Bay-67-39

Inst. No. 4806 Density —

No. 4806 Density —

Date Oct - 7th, 1967.

Meter Const. : 0.08340 Comb. I

Comb. Int. : 0.08340

Comb. Free Air-Corr. Const. 0645

Job HUSTRON-HUNDSONS BAY-67-39


Inst. No. 4996

Date Meter Const. 0.08340

Density

Comb. Free Air-Corr. Const. .0645

STN	TIME	INST. READING	DIURNAL CORR.	CORK. READING	ELEVA- TION	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	-6.87	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	1000.62	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			

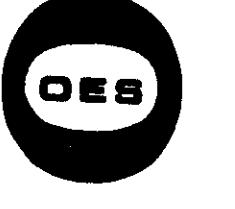



OVERLAND  
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FOR  
HOUSTON OILS LTD.

GRAVITY BOUGUER MAP  
KASKATAMA RIVER AREA

SCALE: 2" = 1 MILE CONTOUR INTERVAL .50 MILLIGALS




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ELEVATION MAP  
KASKATAMA RIVER AREA

SCALE: 2" = 1 MILE




INTERPRETATION BY  
R.B.GALESKI

OVERLAND  
EXPLORATION SERVICES LTD.

FOR  
HOUSTON OILS LTD.  
BOUGUER GRAVITY

KASKATAMA RIVER AREA

SCALE: 2" = 1 MILE CONTOUR INTERVAL: 0.2 Mgal.



INTERPRETATION BY  
RBGALESKI

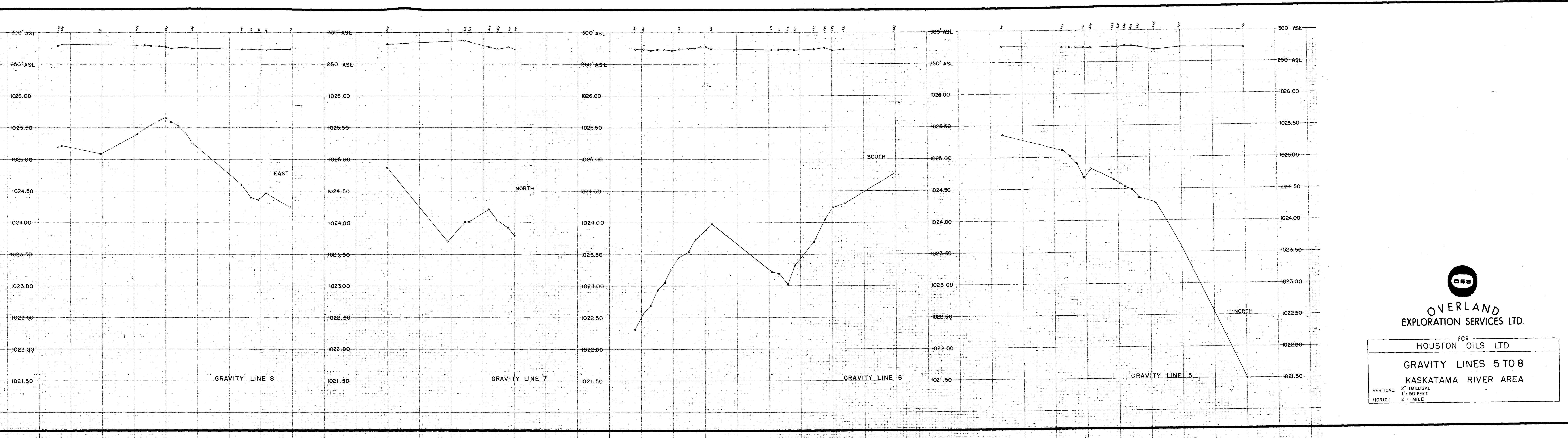
OVERLAND  
EXPLORATION SERVICES LTD.

FOR  
HOUSTON OILS LTD.

RESIDUAL GRAVITY  
KASKATAMA RIVER AREA

SCALE: 2° = 1 MILE

CONTOUR INTERVAL: 0.2 Mgal



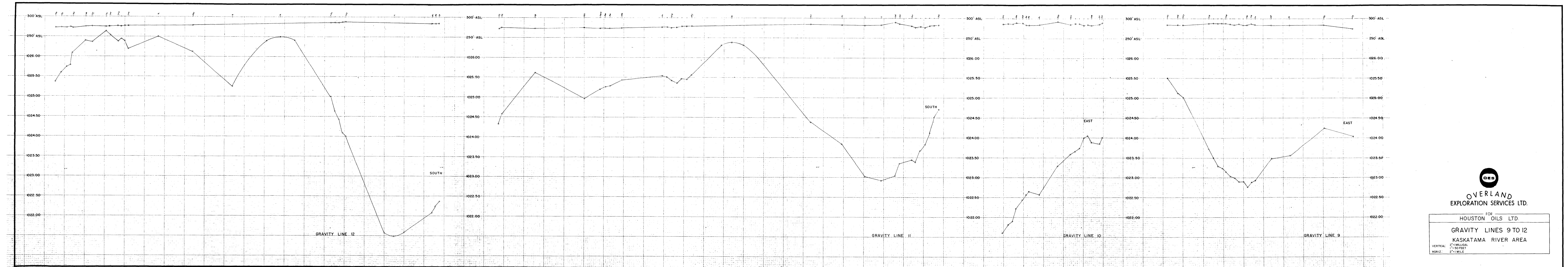
OVERLAND  
EXPLORATION SERVICES LTD.

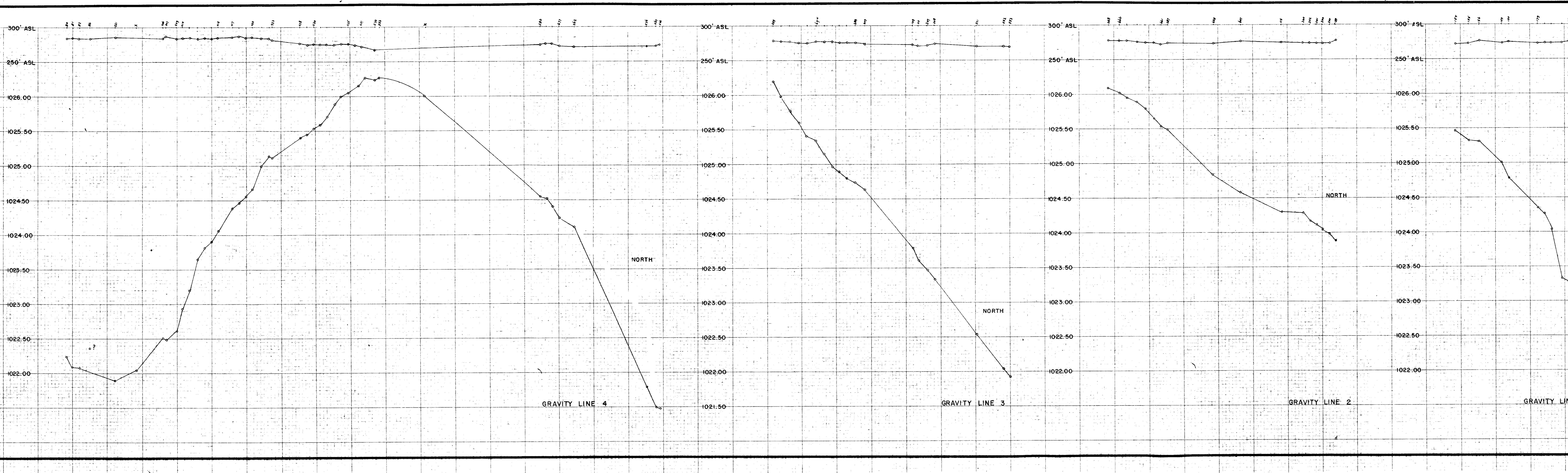
FOR  
HOUSTON OILS LTD.

GRAVITY LINES 5 TO 8

KASKATAMA RIVER AREA

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





FOR	HOUSTON OILS LTD.
GRAVITY LINES 1 TO 4	
KASKATAMA RIVER AREA	

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



OVERLAND  
EXPLORATION SERVICES LTD.