

BORE HOLE LOG

W. I. (RECORD)  
 WASHINGTON  
 DATE DRILLED: MAY 23, JUN 10, 1978  
 TOTAL DEPTH: 500 m  
 588.7 m  
 COMPANY: J. S. JARVIS CORP., 155-45 45th St., JAMAICA, N.Y. 11434  
 DRILLER: J. S. JARVIS CORP., 155-45 45th St., JAMAICA, N.Y. 11434  
 LOGGERS: J. S. JARVIS CORP., 155-45 45th St., JAMAICA, N.Y. 11434  
 DRILL MASTER: J. S. JARVIS CORP., 155-45 45th St., JAMAICA, N.Y. 11434  
 CORE NO. 100  
 DATE: MAY 23, 1978

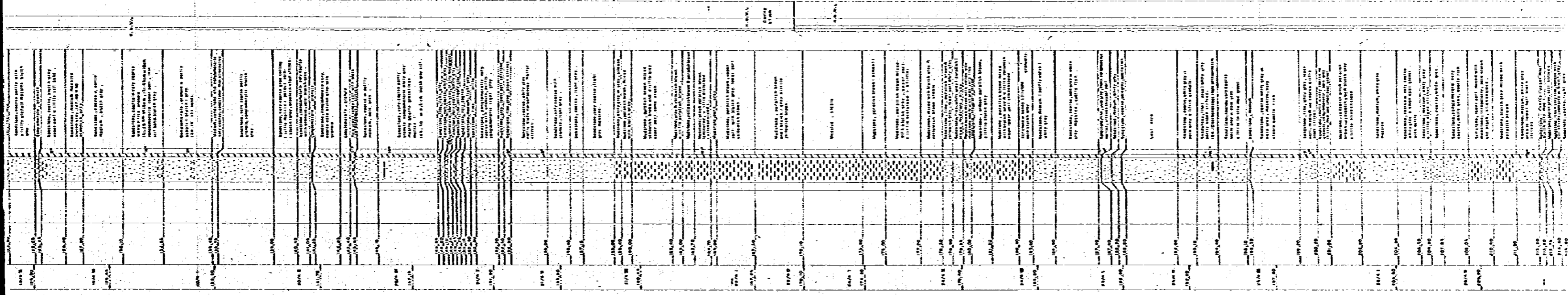
JAPAN INTERNATIONAL COOPERATION AGENCY  
 The Agency for the Reconstruction of Durable Earthquake  
 Bore Hole Log  
 Date: July 1978

DEPTH (m)	DEPTH (ft)	ROCK DESCRIPTION	REMARKS
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DEPTH (m)	DEPTH (ft)	ROCK DESCRIPTION	REMARKS
0.00	0.00	GRAVELLY SAND	
1.00	3.28	GRAVELLY SAND	
2.00	6.56	GRAVELLY SAND	
3.00	9.84	GRAVELLY SAND	
4.00	13.12	GRAVELLY SAND	
5.00	16.40	GRAVELLY SAND	
6.00	19.68	GRAVELLY SAND	
7.00	22.96	GRAVELLY SAND	
8.00	26.24	GRAVELLY SAND	
9.00	29.52	GRAVELLY SAND	
10.00	32.80	GRAVELLY SAND	
11.00	36.08	GRAVELLY SAND	
12.00	39.36	GRAVELLY SAND	
13.00	42.64	GRAVELLY SAND	
14.00	45.92	GRAVELLY SAND	
15.00	49.20	GRAVELLY SAND	
16.00	52.48	GRAVELLY SAND	
17.00	55.76	GRAVELLY SAND	
18.00	59.04	GRAVELLY SAND	
19.00	62.32	GRAVELLY SAND	
20.00	65.60	GRAVELLY SAND	
21.00	68.88	GRAVELLY SAND	
22.00	72.16	GRAVELLY SAND	
23.00	75.44	GRAVELLY SAND	
24.00	78.72	GRAVELLY SAND	
25.00	82.00	GRAVELLY SAND	
26.00	85.28	GRAVELLY SAND	
27.00	88.56	GRAVELLY SAND	
28.00	91.84	GRAVELLY SAND	
29.00	95.12	GRAVELLY SAND	
30.00	98.40	GRAVELLY SAND	
31.00	101.68	GRAVELLY SAND	
32.00	104.96	GRAVELLY SAND	
33.00	108.24	GRAVELLY SAND	
34.00	111.52	GRAVELLY SAND	
35.00	114.80	GRAVELLY SAND	
36.00	118.08	GRAVELLY SAND	
37.00	121.36	GRAVELLY SAND	
38.00	124.64	GRAVELLY SAND	
39.00	127.92	GRAVELLY SAND	
40.00	131.20	GRAVELLY SAND	
41.00	134.48	GRAVELLY SAND	
42.00	137.76	GRAVELLY SAND	
43.00	141.04	GRAVELLY SAND	
44.00	144.32	GRAVELLY SAND	
45.00	147.60	GRAVELLY SAND	
46.00	150.88	GRAVELLY SAND	
47.00	154.16	GRAVELLY SAND	
48.00	157.44	GRAVELLY SAND	
49.00	160.72	GRAVELLY SAND	
50.00	164.00	GRAVELLY SAND	
51.00	167.28	GRAVELLY SAND	
52.00	170.56	GRAVELLY SAND	
53.00	173.84	GRAVELLY SAND	
54.00	177.12	GRAVELLY SAND	
55.00	180.40	GRAVELLY SAND	
56.00	183.68	GRAVELLY SAND	
57.00	186.96	GRAVELLY SAND	
58.00	190.24	GRAVELLY SAND	
59.00	193.52	GRAVELLY SAND	
60.00	196.80	GRAVELLY SAND	
61.00	200.08	GRAVELLY SAND	
62.00	203.36	GRAVELLY SAND	
63.00	206.64	GRAVELLY SAND	
64.00	209.92	GRAVELLY SAND	
65.00	213.20	GRAVELLY SAND	
66.00	216.48	GRAVELLY SAND	
67.00	219.76	GRAVELLY SAND	
68.00	223.04	GRAVELLY SAND	
69.00	226.32	GRAVELLY SAND	
70.00	229.60	GRAVELLY SAND	
71.00	232.88	GRAVELLY SAND	
72.00	236.16	GRAVELLY SAND	
73.00	239.44	GRAVELLY SAND	
74.00	242.72	GRAVELLY SAND	
75.00	246.00	GRAVELLY SAND	
76.00	249.28	GRAVELLY SAND	
77.00	252.56	GRAVELLY SAND	
78.00	255.84	GRAVELLY SAND	
79.00	259.12	GRAVELLY SAND	
80.00	262.40	GRAVELLY SAND	
81.00	265.68	GRAVELLY SAND	
82.00	268.96	GRAVELLY SAND	
83.00	272.24	GRAVELLY SAND	
84.00	275.52	GRAVELLY SAND	
85.00	278.80	GRAVELLY SAND	
86.00	282.08	GRAVELLY SAND	
87.00	285.36	GRAVELLY SAND	
88.00	288.64	GRAVELLY SAND	
89.00	291.92	GRAVELLY SAND	
90.00	295.20	GRAVELLY SAND	
91.00	298.48	GRAVELLY SAND	
92.00	301.76	GRAVELLY SAND	
93.00	305.04	GRAVELLY SAND	
94.00	308.32	GRAVELLY SAND	
95.00	311.60	GRAVELLY SAND	
96.00	314.88	GRAVELLY SAND	
97.00	318.16	GRAVELLY SAND	
98.00	321.44	GRAVELLY SAND	
99.00	324.72	GRAVELLY SAND	
100.00	328.00	GRAVELLY SAND	

Scale: 1:100





Unit	Approx. Elevation (ft)	Description
187A	134.00	... ..
187B	133.00	... ..
187C	132.00	... ..
187D	131.00	... ..
187E	130.00	... ..
187F	129.00	... ..
187G	128.00	... ..
187H	127.00	... ..
187I	126.00	... ..
187J	125.00	... ..
187K	124.00	... ..
187L	123.00	... ..
187M	122.00	... ..
187N	121.00	... ..
187O	120.00	... ..
187P	119.00	... ..
187Q	118.00	... ..
187R	117.00	... ..
187S	116.00	... ..
187T	115.00	... ..
187U	114.00	... ..
187V	113.00	... ..
187W	112.00	... ..
187X	111.00	... ..
187Y	110.00	... ..
187Z	109.00	... ..
187AA	108.00	... ..
187AB	107.00	... ..
187AC	106.00	... ..
187AD	105.00	... ..
187AE	104.00	... ..
187AF	103.00	... ..
187AG	102.00	... ..
187AH	101.00	... ..
187AI	100.00	... ..
187AJ	99.00	... ..
187AK	98.00	... ..
187AL	97.00	... ..
187AM	96.00	... ..
187AN	95.00	... ..
187AO	94.00	... ..
187AP	93.00	... ..
187AQ	92.00	... ..
187AR	91.00	... ..
187AS	90.00	... ..
187AT	89.00	... ..
187AU	88.00	... ..
187AV	87.00	... ..
187AW	86.00	... ..
187AX	85.00	... ..
187AY	84.00	... ..
187AZ	83.00	... ..
187BA	82.00	... ..
187BB	81.00	... ..
187BC	80.00	... ..
187BD	79.00	... ..
187BE	78.00	... ..
187BF	77.00	... ..
187BG	76.00	... ..
187BH	75.00	... ..
187BI	74.00	... ..
187BJ	73.00	... ..
187BK	72.00	... ..
187BL	71.00	... ..
187BM	70.00	... ..
187BN	69.00	... ..
187BO	68.00	... ..
187BP	67.00	... ..
187BQ	66.00	... ..
187BR	65.00	... ..
187BS	64.00	... ..
187BT	63.00	... ..
187BU	62.00	... ..
187BV	61.00	... ..
187BW	60.00	... ..
187BX	59.00	... ..
187BY	58.00	... ..
187BZ	57.00	... ..
187CA	56.00	... ..
187CB	55.00	... ..
187CC	54.00	... ..
187CD	53.00	... ..
187CE	52.00	... ..
187CF	51.00	... ..
187CG	50.00	... ..
187CH	49.00	... ..
187CI	48.00	... ..
187CJ	47.00	... ..
187CK	46.00	... ..
187CL	45.00	... ..
187CM	44.00	... ..
187CN	43.00	... ..
187CO	42.00	... ..
187CP	41.00	... ..
187CQ	40.00	... ..
187CR	39.00	... ..
187CS	38.00	... ..
187CT	37.00	... ..
187CU	36.00	... ..
187CV	35.00	... ..
187CW	34.00	... ..
187CX	33.00	... ..
187CY	32.00	... ..
187CZ	31.00	... ..
187DA	30.00	... ..
187DB	29.00	... ..
187DC	28.00	... ..
187DD	27.00	... ..
187DE	26.00	... ..
187DF	25.00	... ..
187DG	24.00	... ..
187DH	23.00	... ..
187DI	22.00	... ..
187DJ	21.00	... ..
187DK	20.00	... ..
187DL	19.00	... ..
187DM	18.00	... ..
187DN	17.00	... ..
187DO	16.00	... ..
187DP	15.00	... ..
187DQ	14.00	... ..
187DR	13.00	... ..
187DS	12.00	... ..
187DT	11.00	... ..
187DU	10.00	... ..
187DV	9.00	... ..
187DW	8.00	... ..
187DX	7.00	... ..
187DY	6.00	... ..
187DZ	5.00	... ..
187EA	4.00	... ..
187EB	3.00	... ..
187EC	2.00	... ..
187ED	1.00	... ..
187EE	0.00	... ..

UP  
DOWN

187A  
187B  
187C







Station	Notes	Station	Notes
387+00	...	400+00	...
388+00	...	401+00	...
389+00	...	402+00	...
390+00	...	403+00	...
391+00	...	404+00	...
392+00	...	405+00	...
393+00	...	406+00	...
394+00	...	407+00	...
395+00	...	408+00	...
396+00	...	409+00	...
397+00	...	410+00	...
398+00	...	411+00	...
399+00	...	412+00	...
400+00	...	413+00	...
401+00	...	414+00	...
402+00	...	415+00	...
403+00	...	416+00	...
404+00	...	417+00	...
405+00	...	418+00	...
406+00	...	419+00	...
407+00	...	420+00	...
408+00	...	421+00	...
409+00	...	422+00	...
410+00	...	423+00	...
411+00	...	424+00	...
412+00	...	425+00	...
413+00	...	426+00	...
414+00	...	427+00	...
415+00	...	428+00	...
416+00	...	429+00	...
417+00	...	430+00	...
418+00	...	431+00	...
419+00	...	432+00	...
420+00	...	433+00	...
421+00	...	434+00	...
422+00	...	435+00	...
423+00	...	436+00	...
424+00	...	437+00	...
425+00	...	438+00	...
426+00	...	439+00	...
427+00	...	440+00	...
428+00	...	441+00	...
429+00	...	442+00	...
430+00	...	443+00	...
431+00	...	444+00	...
432+00	...	445+00	...
433+00	...	446+00	...
434+00	...	447+00	...
435+00	...	448+00	...
436+00	...	449+00	...
437+00	...	450+00	...
438+00	...	451+00	...
439+00	...	452+00	...
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446+00	...	459+00	...
447+00	...	460+00	...
448+00	...	461+00	...
449+00	...	462+00	...
450+00	...	463+00	...
451+00	...	464+00	...
452+00	...	465+00	...
453+00	...	466+00	...
454+00	...	467+00	...
455+00	...	468+00	...
456+00	...	469+00	...
457+00	...	470+00	...

Vertical Curve Data

Stationing

Grade

Notes

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Station	Remarks	Depth (ft)	Soil Description
428+	Surface, top of soil	0.00	Topsoil, dark brown, silty clay
430+	Subsoil, top of clay	1.00	Subsoil, dark brown, silty clay
432+	Clay, top of sand	2.00	Clay, dark brown, silty
434+	Sand, top of gravel	3.00	Sand, medium, silty
436+	Gravel, top of rock	4.00	Gravel, medium, silty
438+	Rock, top of bedrock	5.00	Bedrock, gray, silty
440+	Bedrock, top of shale	6.00	Shale, gray, silty
442+	Shale, top of sandstone	7.00	Sandstone, gray, silty
444+	Sandstone, top of limestone	8.00	Limestone, gray, silty
446+	Limestone, top of shale	9.00	Shale, gray, silty
448+	Shale, top of sandstone	10.00	Sandstone, gray, silty
450+	Sandstone, top of limestone	11.00	Limestone, gray, silty
452+	Limestone, top of shale	12.00	Shale, gray, silty
454+	Shale, top of sandstone	13.00	Sandstone, gray, silty
456+	Sandstone, top of limestone	14.00	Limestone, gray, silty
458+	Limestone, top of shale	15.00	Shale, gray, silty
460+	Shale, top of sandstone	16.00	Sandstone, gray, silty
462+	Sandstone, top of limestone	17.00	Limestone, gray, silty
464+	Limestone, top of shale	18.00	Shale, gray, silty
466+	Shale, top of sandstone	19.00	Sandstone, gray, silty
468+	Sandstone, top of limestone	20.00	Limestone, gray, silty
470+	Limestone, top of shale	21.00	Shale, gray, silty
472+	Shale, top of sandstone	22.00	Sandstone, gray, silty
474+	Sandstone, top of limestone	23.00	Limestone, gray, silty
476+	Limestone, top of shale	24.00	Shale, gray, silty
478+	Shale, top of sandstone	25.00	Sandstone, gray, silty
480+	Sandstone, top of limestone	26.00	Limestone, gray, silty
482+	Limestone, top of shale	27.00	Shale, gray, silty
484+	Shale, top of sandstone	28.00	Sandstone, gray, silty
486+	Sandstone, top of limestone	29.00	Limestone, gray, silty
488+	Limestone, top of shale	30.00	Shale, gray, silty
490+	Shale, top of sandstone	31.00	Sandstone, gray, silty
492+	Sandstone, top of limestone	32.00	Limestone, gray, silty
494+	Limestone, top of shale	33.00	Shale, gray, silty
496+	Shale, top of sandstone	34.00	Sandstone, gray, silty
498+	Sandstone, top of limestone	35.00	Limestone, gray, silty
500+	Limestone, top of shale	36.00	Shale, gray, silty



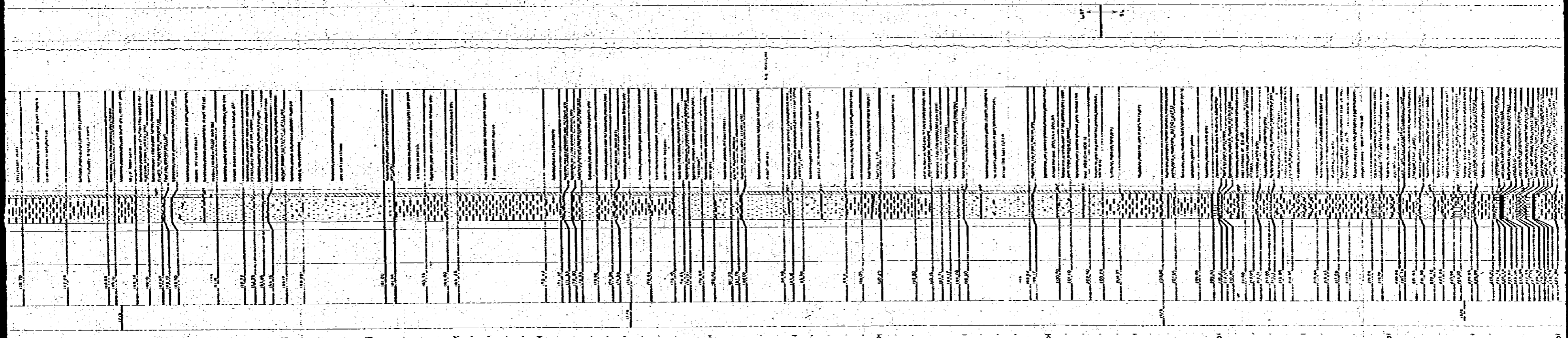
**BORE HOLE LOG**

HOLE NO. 100  
 AREA: MARSH  
 DATE DRILLED: AUG 27 - SEP 2, 1970  
 TOTAL DEPTH: 347.00m  
 NO. OF LOGS: 1325-217  
 COORDINATE: Y=834009  
 X=9504309  
 TANKA, NAGASAKI, WASHIDA JAWA  
 TANGIRI, K SOGOONO SOPANO  
 UPAKO BY: PAIDIN, SALIMUN, WABIGI  
 ASS. DRILLER: KOKEN, EP  
 DRILL MACHINE: 81000000

DATE	DEPTH	MEASURE	STRAT. COLUMN	DEPT. DESCRIPTION	SP. SAMPLE

DEPTH (m)	LOG DESCRIPTION	REMARKS
0.00	Surface	
0.50	...	
1.00	...	
1.50	...	
2.00	...	
2.50	...	
3.00	...	
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100.00	...	





1004

1003

1002

1001

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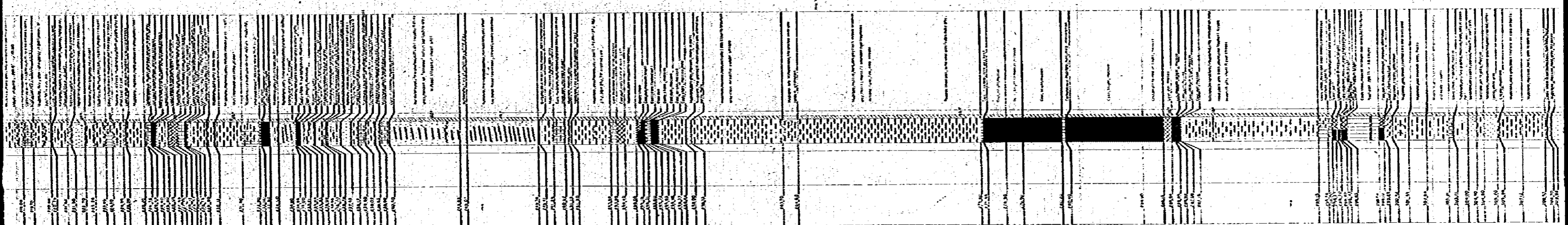
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880

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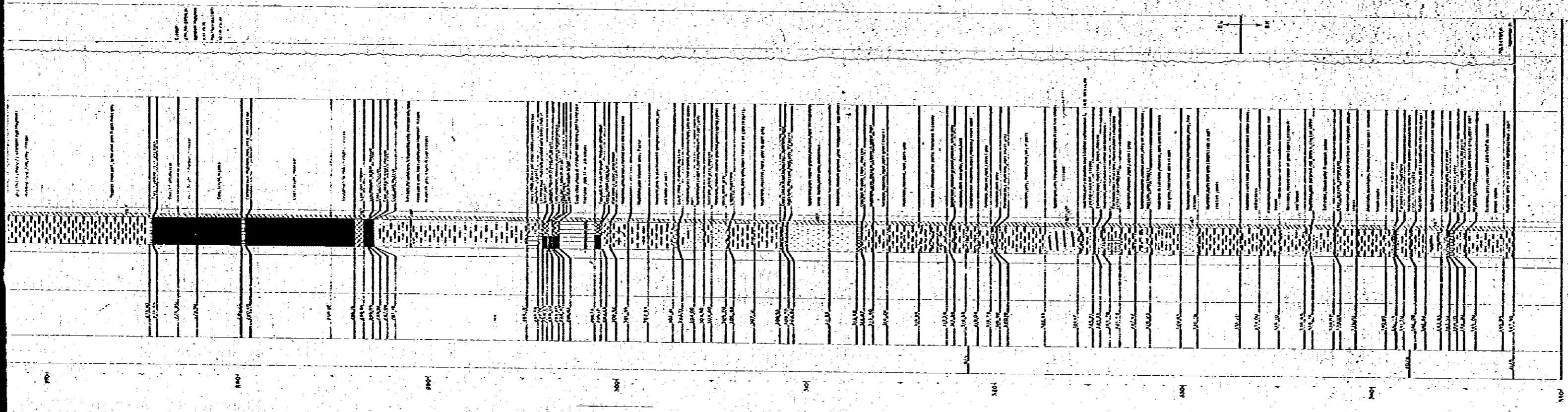
930

940

950

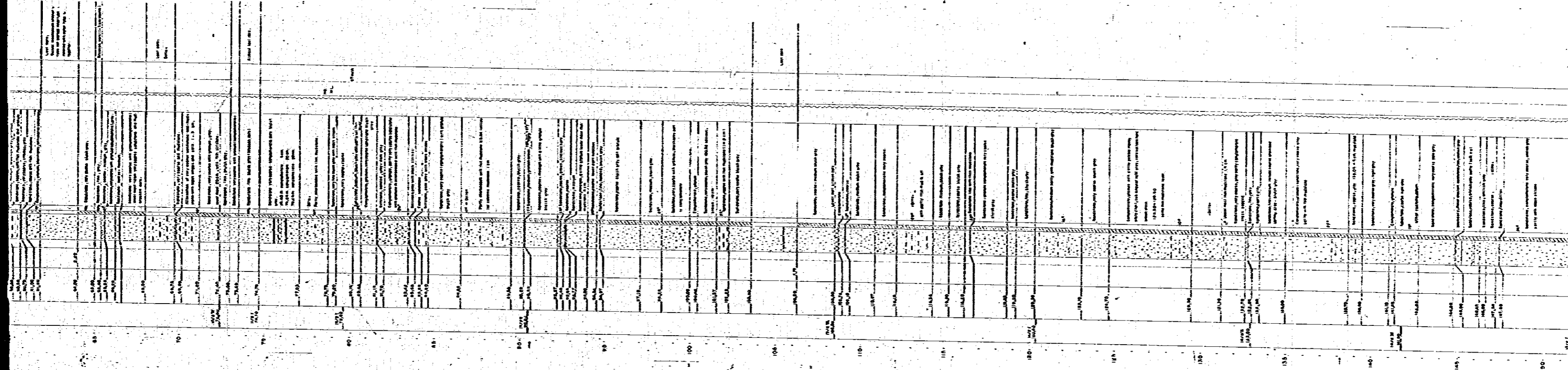
960

1. 1/4" = 1'-0"  
2. 1/8" = 1'-0"  
3. 1/16" = 1'-0"  
4. 1/32" = 1'-0"



100  
200  
300  
400  
500  
600

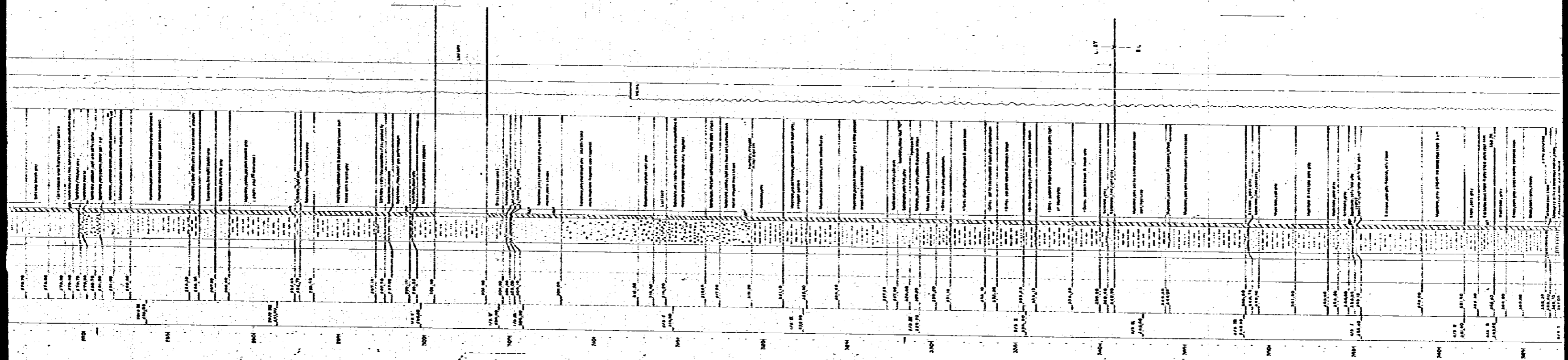








807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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3350

3400

3450

3500

3550

Geological description text for various layers, including terms like 'sandstone', 'shale', 'conglomerate', and 'limestone'. The text is organized into columns corresponding to the layers in the diagram.

NO.	DESCRIPTION	AMOUNT	DATE	INITIALS
100	...	...	...	...
101	...	...	...	...
102	...	...	...	...
103	...	...	...	...
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108	...	...	...	...
109	...	...	...	...
110	...	...	...	...
111	...	...	...	...
112	...	...	...	...
113	...	...	...	...
114	...	...	...	...
115	...	...	...	...
116	...	...	...	...
117	...	...	...	...
118	...	...	...	...
119	...	...	...	...
120	...	...	...	...
121	...	...	...	...
122	...	...	...	...
123	...	...	...	...
124	...	...	...	...
125	...	...	...	...
126	...	...	...	...
127	...	...	...	...
128	...	...	...	...
129	...	...	...	...
130	...	...	...	...
131	...	...	...	...
132	...	...	...	...
133	...	...	...	...
134	...	...	...	...
135	...	...	...	...
136	...	...	...	...
137	...	...	...	...
138	...	...	...	...
139	...	...	...	...
140	...	...	...	...
141	...	...	...	...
142	...	...	...	...
143	...	...	...	...
144	...	...	...	...
145	...	...	...	...
146	...	...	...	...
147	...	...	...	...
148	...	...	...	...
149	...	...	...	...
150	...	...	...	...
151	...	...	...	...
152	...	...	...	...
153	...	...	...	...
154	...	...	...	...
155	...	...	...	...
156	...	...	...	...
157	...	...	...	...
158	...	...	...	...
159	...	...	...	...
160	...	...	...	...
161	...	...	...	...
162	...	...	...	...
163	...	...	...	...
164	...	...	...	...
165	...	...	...	...
166	...	...	...	...
167	...	...	...	...
168	...	...	...	...
169	...	...	...	...
170	...	...	...	...
171	...	...	...	...
172	...	...	...	...
173	...	...	...	...
174	...	...	...	...
175	...	...	...	...
176	...	...	...	...
177	...	...	...	...
178	...	...	...	...
179	...	...	...	...
180	...	...	...	...
181	...	...	...	...
182	...	...	...	...
183	...	...	...	...
184	...	...	...	...
185	...	...	...	...
186	...	...	...	...
187	...	...	...	...
188	...	...	...	...
189	...	...	...	...
190	...	...	...	...
191	...	...	...	...
192	...	...	...	...
193	...	...	...	...
194	...	...	...	...
195	...	...	...	...
196	...	...	...	...
197	...	...	...	...
198	...	...	...	...
199	...	...	...	...
200	...	...	...	...

Item No.	Description	Quantity	Unit	Price	Total
4800	...	...	...	...	...
4801	...	...	...	...	...
4802	...	...	...	...	...
4803	...	...	...	...	...
4804	...	...	...	...	...
4805	...	...	...	...	...
4806	...	...	...	...	...
4807	...	...	...	...	...
4808	...	...	...	...	...
4809	...	...	...	...	...
4810	...	...	...	...	...
4811	...	...	...	...	...
4812	...	...	...	...	...
4813	...	...	...	...	...
4814	...	...	...	...	...
4815	...	...	...	...	...
4816	...	...	...	...	...
4817	...	...	...	...	...
4818	...	...	...	...	...
4819	...	...	...	...	...
4820	...	...	...	...	...
4821	...	...	...	...	...
4822	...	...	...	...	...
4823	...	...	...	...	...
4824	...	...	...	...	...
4825	...	...	...	...	...
4826	...	...	...	...	...
4827	...	...	...	...	...
4828	...	...	...	...	...
4829	...	...	...	...	...
4830	...	...	...	...	...
4831	...	...	...	...	...
4832	...	...	...	...	...
4833	...	...	...	...	...
4834	...	...	...	...	...
4835	...	...	...	...	...
4836	...	...	...	...	...
4837	...	...	...	...	...
4838	...	...	...	...	...
4839	...	...	...	...	...
4840	...	...	...	...	...
4841	...	...	...	...	...
4842	...	...	...	...	...
4843	...	...	...	...	...
4844	...	...	...	...	...
4845	...	...	...	...	...
4846	...	...	...	...	...
4847	...	...	...	...	...
4848	...	...	...	...	...
4849	...	...	...	...	...
4850	...	...	...	...	...
4851	...	...	...	...	...
4852	...	...	...	...	...
4853	...	...	...	...	...
4854	...	...	...	...	...
4855	...	...	...	...	...
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4860	...	...	...	...	...
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4879	...	...	...	...	...
4880	...	...	...	...	...
4881	...	...	...	...	...
4882	...	...	...	...	...
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4884	...	...	...	...	...
4885	...	...	...	...	...
4886	...	...	...	...	...
4887	...	...	...	...	...
4888	...	...	...	...	...
4889	...	...	...	...	...
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4900	...	...	...	...	...

END OF HOUSE

**BORE HOLE LOG**

Wk 2  
 WARTUNG  
 DATE DRILLED: JULI 7, 1978  
 TOTAL DEPTH: 512.80m  
 RL COLLAR: 453.33m  
 COORDINATE: X = 18256.304 Y = 18250.763  
 DRILLER: TANAKA, M. GABARATI, YOSHIDA, ISAO  
 LOADED BY: T. NEDISH, B. SUMANTRI, SUPARDI  
 AREA: MASJO, SALIMUN, MAJO  
 DRILLER MACHINE: KÖRNER, EP - IV

JAWAI INTERNATIONAL COOPERATION AGENCY  
 (The Agency for the implementation of cooperation work)  
 BORE HOLE LOG

Scale 1:100  
 Date: July 1978  
 No. of Pages: 1

DATE TIME	DEPTH	APPARENT THICKNESS	STRAT. COLUMN	ROCK DESCRIPTION	REMARKS DRILLING CHINA
	0				
	10.4				
	20.4				
	30.4				
	40.4				
	50.4				
	60.4				
	70.4				
	80.4				
	90.4				
	100.4				
	110.4				
	120.4				
	130.4				
	140.4				
	150.4				
	160.4				
	170.4				
	180.4				
	190.4				
	200.4				
	210.4				
	220.4				
	230.4				
	240.4				
	250.4				
	260.4				
	270.4				
	280.4				
	290.4				
	300.4				
	310.4				
	320.4				
	330.4				
	340.4				
	350.4				
	360.4				
	370.4				
	380.4				
	390.4				
	400.4				
	410.4				
	420.4				
	430.4				
	440.4				
	450.4				
	460.4				
	470.4				
	480.4				
	490.4				
	500.4				
	512.80				





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**BORE HOLE LOG**

W.C. No. 77  
 AREA: WARINGIN  
 DATE DRILLED: NOV/20 - DEC. 17, 1978  
 NO. 74, 18774  
 PL. COLLECTOR: 537, 60, m  
 COMMENTS: 303, 100, m  
 KIT: 6373, 104 V. - 18346, 3A1  
 TANKA, NAGASAKI, YOSHIDA, MORI  
 Y. ITO, K. SUGIYAMA  
 GEOLOGIST: MASIO, RAJIBUSARVA  
 APP. DRILLER: KOKEN, CP - 111, 100  
 DRILL MACHINE:

JAMA INTERNATIONAL CORPORATION (JIC)  
 HAS BEEN THE ASSIGNEE OF THE OIL AND GAS  
 RIGHTS IN THE AREA OF THE BORE HOLE LOG  
 Bore Hole Log  
 No. 74, 18774  
 Date: NOV. 20, 1978  
 Drilled by: KOKEN, CP - 111, 100

DATE	DEPTH	APPARENT TEMPERATURE	STRAT. COLUMN	ROCK DESCRIPTION	REMARKS
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DATE	DEPTH	APPARENT TEMPERATURE	STRAT. COLUMN	ROCK DESCRIPTION	REMARKS
11/21/78	0.0				
	5.0			GRAVELLY, MEDIUM SAND, LIGHT	
	10.0			GRAVELLY, MEDIUM SAND, LIGHT	
	15.0			GRAVELLY, MEDIUM SAND, LIGHT	
	20.0			GRAVELLY, MEDIUM SAND, LIGHT	
	25.0			GRAVELLY, MEDIUM SAND, LIGHT	
	30.0			GRAVELLY, MEDIUM SAND, LIGHT	
	35.0			GRAVELLY, MEDIUM SAND, LIGHT	
	40.0			GRAVELLY, MEDIUM SAND, LIGHT	
	45.0			GRAVELLY, MEDIUM SAND, LIGHT	
	50.0			GRAVELLY, MEDIUM SAND, LIGHT	
	55.0			GRAVELLY, MEDIUM SAND, LIGHT	
	60.0			GRAVELLY, MEDIUM SAND, LIGHT	
	65.0			GRAVELLY, MEDIUM SAND, LIGHT	
	70.0			GRAVELLY, MEDIUM SAND, LIGHT	
	75.0			GRAVELLY, MEDIUM SAND, LIGHT	
	80.0			GRAVELLY, MEDIUM SAND, LIGHT	
	85.0			GRAVELLY, MEDIUM SAND, LIGHT	
	90.0			GRAVELLY, MEDIUM SAND, LIGHT	
	95.0			GRAVELLY, MEDIUM SAND, LIGHT	
	100.0			GRAVELLY, MEDIUM SAND, LIGHT	

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 12/31/78



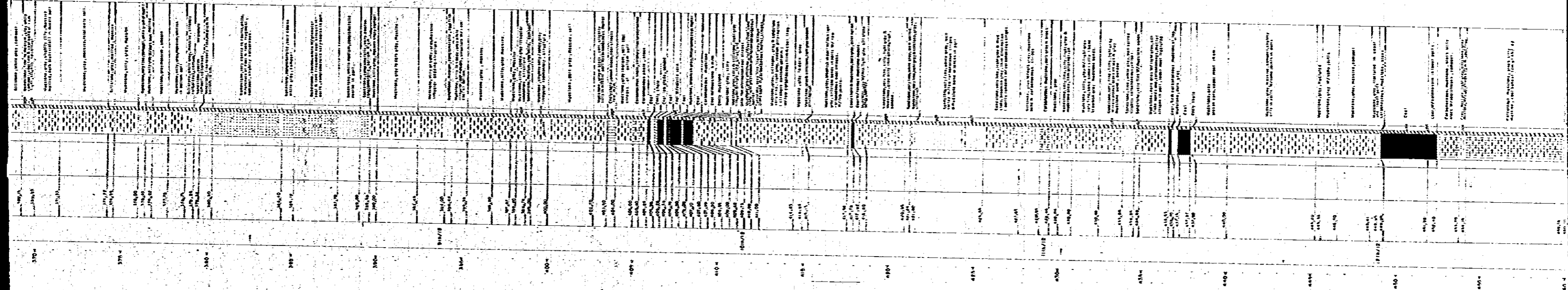






379*	379A	379B	379C	379D	379E	379F	379G	379H	379I	379J	379K	379L	379M	379N	379O	379P	379Q	379R	379S	379T	379U	379V	379W	379X	379Y	379Z
380*	380A	380B	380C	380D	380E	380F	380G	380H	380I	380J	380K	380L	380M	380N	380O	380P	380Q	380R	380S	380T	380U	380V	380W	380X	380Y	380Z
381*	381A	381B	381C	381D	381E	381F	381G	381H	381I	381J	381K	381L	381M	381N	381O	381P	381Q	381R	381S	381T	381U	381V	381W	381X	381Y	381Z
382*	382A	382B	382C	382D	382E	382F	382G	382H	382I	382J	382K	382L	382M	382N	382O	382P	382Q	382R	382S	382T	382U	382V	382W	382X	382Y	382Z
383*	383A	383B	383C	383D	383E	383F	383G	383H	383I	383J	383K	383L	383M	383N	383O	383P	383Q	383R	383S	383T	383U	383V	383W	383X	383Y	383Z
384*	384A	384B	384C	384D	384E	384F	384G	384H	384I	384J	384K	384L	384M	384N	384O	384P	384Q	384R	384S	384T	384U	384V	384W	384X	384Y	384Z
385*	385A	385B	385C	385D	385E	385F	385G	385H	385I	385J	385K	385L	385M	385N	385O	385P	385Q	385R	385S	385T	385U	385V	385W	385X	385Y	385Z
386*	386A	386B	386C	386D	386E	386F	386G	386H	386I	386J	386K	386L	386M	386N	386O	386P	386Q	386R	386S	386T	386U	386V	386W	386X	386Y	386Z
387*	387A	387B	387C	387D	387E	387F	387G	387H	387I	387J	387K	387L	387M	387N	387O	387P	387Q	387R	387S	387T	387U	387V	387W	387X	387Y	387Z
388*	388A	388B	388C	388D	388E	388F	388G	388H	388I	388J	388K	388L	388M	388N	388O	388P	388Q	388R	388S	388T	388U	388V	388W	388X	388Y	388Z
389*	389A	389B	389C	389D	389E	389F	389G	389H	389I	389J	389K	389L	389M	389N	389O	389P	389Q	389R	389S	389T	389U	389V	389W	389X	389Y	389Z
390*	390A	390B	390C	390D	390E	390F	390G	390H	390I	390J	390K	390L	390M	390N	390O	390P	390Q	390R	390S	390T	390U	390V	390W	390X	390Y	390Z

379\* 379A 379B 379C 379D 379E 379F 379G 379H 379I 379J 379K 379L 379M 379N 379O 379P 379Q 379R 379S 379T 379U 379V 379W 379X 379Y 379Z  
 380\* 380A 380B 380C 380D 380E 380F 380G 380H 380I 380J 380K 380L 380M 380N 380O 380P 380Q 380R 380S 380T 380U 380V 380W 380X 380Y 380Z  
 381\* 381A 381B 381C 381D 381E 381F 381G 381H 381I 381J 381K 381L 381M 381N 381O 381P 381Q 381R 381S 381T 381U 381V 381W 381X 381Y 381Z  
 382\* 382A 382B 382C 382D 382E 382F 382G 382H 382I 382J 382K 382L 382M 382N 382O 382P 382Q 382R 382S 382T 382U 382V 382W 382X 382Y 382Z  
 383\* 383A 383B 383C 383D 383E 383F 383G 383H 383I 383J 383K 383L 383M 383N 383O 383P 383Q 383R 383S 383T 383U 383V 383W 383X 383Y 383Z  
 384\* 384A 384B 384C 384D 384E 384F 384G 384H 384I 384J 384K 384L 384M 384N 384O 384P 384Q 384R 384S 384T 384U 384V 384W 384X 384Y 384Z  
 385\* 385A 385B 385C 385D 385E 385F 385G 385H 385I 385J 385K 385L 385M 385N 385O 385P 385Q 385R 385S 385T 385U 385V 385W 385X 385Y 385Z  
 386\* 386A 386B 386C 386D 386E 386F 386G 386H 386I 386J 386K 386L 386M 386N 386O 386P 386Q 386R 386S 386T 386U 386V 386W 386X 386Y 386Z  
 387\* 387A 387B 387C 387D 387E 387F 387G 387H 387I 387J 387K 387L 387M 387N 387O 387P 387Q 387R 387S 387T 387U 387V 387W 387X 387Y 387Z  
 388\* 388A 388B 388C 388D 388E 388F 388G 388H 388I 388J 388K 388L 388M 388N 388O 388P 388Q 388R 388S 388T 388U 388V 388W 388X 388Y 388Z  
 389\* 389A 389B 389C 389D 389E 389F 389G 389H 389I 389J 389K 389L 389M 389N 389O 389P 389Q 389R 389S 389T 389U 389V 389W 389X 389Y 389Z  
 390\* 390A 390B 390C 390D 390E 390F 390G 390H 390I 390J 390K 390L 390M 390N 390O 390P 390Q 390R 390S 390T 390U 390V 390W 390X 390Y 390Z



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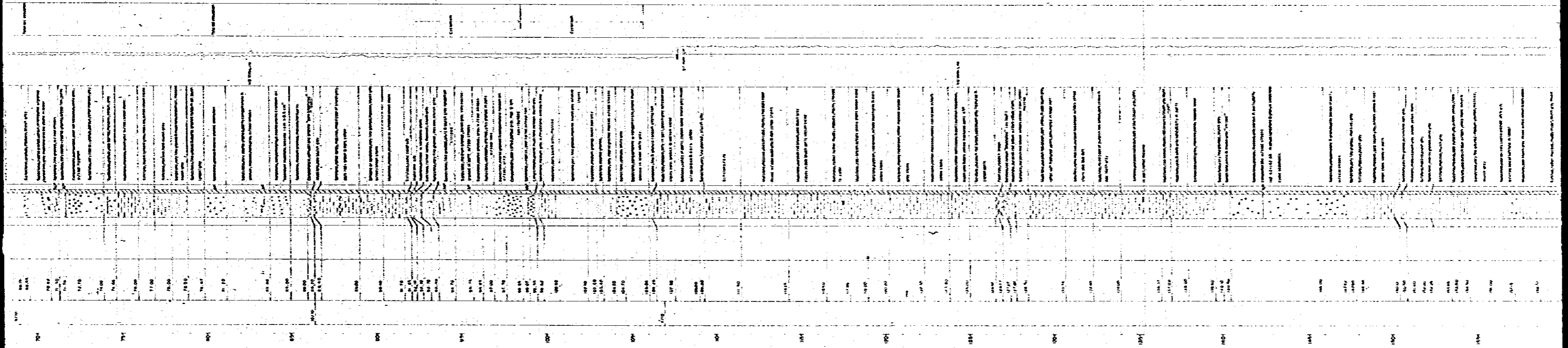
HOLE NO. **W-8**  
 DATE DRILLED **OCT 15 - OCT 28, 78**  
 TOTAL DEPTH **499.357m**  
 LOCATION **X=16004360 Y=19388466**  
 OPERATOR **TANAKA, NAZAKI, YOSHIDA**  
 DRILLER **T. NEGISHI, K. SOEJONG**  
 LOGGED BY **MASUDA, PAIDI, SUKARTO**  
 DRILL MACHINE **ROKEM, EP-2W**

JAPAN INTERNATIONAL COOPERATION AGENCY  
 THE BUREAU FOR THE INVESTIGATION OF MINERAL RESOURCES  
 BORE HOLE LOG

DATE: 1978  
 TIME: 11:00  
 SHEET NO. 1 OF 1

DEPTH (m)	DIAMETER (mm)	REMARKS	REMARKS
0.00	100	Surface	
0.10	100	Topsoil	
0.20	100	Subsoil	
0.30	100	Clay	
0.40	100	Sand	
0.50	100	Gravel	
0.60	100	Coarse sand	
0.70	100	Medium sand	
0.80	100	Fine sand	
0.90	100	Silt	
1.00	100	Clay	
1.10	100	Shale	
1.20	100	Sandstone	
1.30	100	Gravelly sandstone	
1.40	100	Coarse sandstone	
1.50	100	Medium sandstone	
1.60	100	Fine sandstone	
1.70	100	Siltstone	
1.80	100	Claystone	
1.90	100	Shale	
2.00	100	Sandstone	
2.10	100	Gravelly sandstone	
2.20	100	Coarse sandstone	
2.30	100	Medium sandstone	
2.40	100	Fine sandstone	
2.50	100	Siltstone	
2.60	100	Claystone	
2.70	100	Shale	
2.80	100	Sandstone	
2.90	100	Gravelly sandstone	
3.00	100	Coarse sandstone	
3.10	100	Medium sandstone	
3.20	100	Fine sandstone	
3.30	100	Siltstone	
3.40	100	Claystone	
3.50	100	Shale	
3.60	100	Sandstone	
3.70	100	Gravelly sandstone	
3.80	100	Coarse sandstone	
3.90	100	Medium sandstone	
4.00	100	Fine sandstone	
4.10	100	Siltstone	
4.20	100	Claystone	
4.30	100	Shale	
4.40	100	Sandstone	
4.50	100	Gravelly sandstone	
4.60	100	Coarse sandstone	
4.70	100	Medium sandstone	
4.80	100	Fine sandstone	
4.90	100	Siltstone	
5.00	100	Claystone	
5.10	100	Shale	
5.20	100	Sandstone	
5.30	100	Gravelly sandstone	
5.40	100	Coarse sandstone	
5.50	100	Medium sandstone	
5.60	100	Fine sandstone	
5.70	100	Siltstone	
5.80	100	Claystone	
5.90	100	Shale	
6.00	100	Sandstone	
6.10	100	Gravelly sandstone	
6.20	100	Coarse sandstone	
6.30	100	Medium sandstone	
6.40	100	Fine sandstone	
6.50	100	Siltstone	
6.60	100	Claystone	
6.70	100	Shale	
6.80	100	Sandstone	
6.90	100	Gravelly sandstone	
7.00	100	Coarse sandstone	
7.10	100	Medium sandstone	
7.20	100	Fine sandstone	
7.30	100	Siltstone	
7.40	100	Claystone	
7.50	100	Shale	
7.60	100	Sandstone	
7.70	100	Gravelly sandstone	
7.80	100	Coarse sandstone	
7.90	100	Medium sandstone	
8.00	100	Fine sandstone	
8.10	100	Siltstone	
8.20	100	Claystone	
8.30	100	Shale	
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9.30	100	Gravelly sandstone	
9.40	100	Coarse sandstone	
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9.60	100	Fine sandstone	
9.70	100	Siltstone	
9.80	100	Claystone	
9.90	100	Shale	
10.00	100	Sandstone	

DEPTH (m)	DIAMETER (mm)	REMARKS	REMARKS
0.00	100	Surface	
0.10	100	Topsoil	
0.20	100	Subsoil	
0.30	100	Clay	
0.40	100	Sand	
0.50	100	Gravel	
0.60	100	Coarse sand	
0.70	100	Medium sand	
0.80	100	Fine sand	
0.90	100	Silt	
1.00	100	Clay	
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1.60	100	Fine sandstone	
1.70	100	Siltstone	
1.80	100	Claystone	
1.90	100	Shale	
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2.10	100	Gravelly sandstone	
2.20	100	Coarse sandstone	
2.30	100	Medium sandstone	
2.40	100	Fine sandstone	
2.50	100	Siltstone	
2.60	100	Claystone	
2.70	100	Shale	
2.80	100	Sandstone	
2.90	100	Gravelly sandstone	
3.00	100	Coarse sandstone	
3.10	100	Medium sandstone	
3.20	100	Fine sandstone	
3.30	100	Siltstone	
3.40	100	Claystone	
3.50	100	Shale	
3.60	100	Sandstone	
3.70	100	Gravelly sandstone	
3.80	100	Coarse sandstone	
3.90	100	Medium sandstone	
4.00	100	Fine sandstone	
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4.60	100	Coarse sandstone	
4.70	100	Medium sandstone	
4.80	100	Fine sandstone	
4.90	100	Siltstone	
5.00	100	Claystone	
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6.60	100	Claystone	
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8.60	100	Coarse sandstone	
8.70	100	Medium sandstone	
8.80	100	Fine sandstone	
8.90	100	Siltstone	
9.00	100	Claystone	
9.10	100	Shale	
9.20	100	Sandstone	
9.30	100	Gravelly sandstone	
9.40	100	Coarse sandstone	
9.50	100	Medium sandstone	
9.60	100	Fine sandstone	
9.70	100	Siltstone	
9.80	100	Claystone	
9.90	100	Shale	
10.00	100	Sandstone	



Page No.	Date	Description	Particulars	Amount
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1895	1888-01	...	...	...
	1888-02	...	...	...
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1898	1888-07	...	...	...
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1899	1888-09	...	...	...
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1900	1888-11	...	...	...
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1901	1888-13	...	...	...
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1908	1888-27	...	...	...
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1910	1888-31	...	...	...
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1911	1888-33	...	...	...
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1912	1888-35	...	...	...
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1913	1888-37	...	...	...
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1914	1888-39	...	...	...
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1915	1888-41	...	...	...
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1916	1888-43	...	...	...
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1917	1888-45	...	...	...
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1918	1888-47	...	...	...
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Page No.	Page Title	Page Content
1001	1001	1001
1002	1002	1002
1003	1003	1003
1004	1004	1004
1005	1005	1005
1006	1006	1006
1007	1007	1007
1008	1008	1008
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Item No.	Description	Quantity	Unit	Price	Total
1001	...	...	...	...	...
1002	...	...	...	...	...
1003	...	...	...	...	...
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